

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080321\  
 Data File : VW019667.D  
 Acq On : 03 Aug 2021 18:42  
 Operator : SY/VA  
 Sample : M2940-01 4PPBLOD  
 Misc : 5.00g/5.00mL/MSVOA\_W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2021

Manual Integrations  
 APPROVED

MMDadoda  
 8/4/2021 7:04:40 PM

Quant Time: Aug 04 07:02:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W080321S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 04 07:01:49 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 7.952          | 168  | 605977              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.842          | 114  | 1052834             | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.634         | 117  | 938957              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.560         | 152  | 457430              | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.305          | 65   | 391988              | 50.844 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 101.680% |        |        |          |
| 35) Dibromofluoromethane     | 7.891          | 113  | 341307              | 49.044 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 98.080%  |        |        |          |
| 50) Toluene-d8               | 10.323         | 98   | 1346433             | 49.509 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 99.020%  |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.615         | 95   | 473037              | 48.749 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 97.500%  |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.020          | 85   | 17802               | 5.237  | ug/l   | 98       |
| 3) Chloromethane             | 2.215          | 50   | 23437               | 5.061  | ug/l   | 91       |
| 4) Vinyl Chloride            | 2.361          | 62   | 31775               | 4.713  | ug/l   | 94       |
| 5) Bromomethane              | 2.788          | 94   | 24885               | 4.931  | ug/l   | 96       |
| 6) Chloroethane              | 2.928          | 64   | 21149               | 4.933  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.263          | 101  | 21118               | 4.125  | ug/l   | 94       |
| 8) Diethyl Ether             | 3.690          | 74   | 14250               | 4.497  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.074          | 101  | 27663               | 4.520  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.269          | 142  | 32452               | 4.115  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.245          | 59   | 8748m               | 26.565 | ug/l   |          |
| 12) 1,1-Dichloroethene       | 4.044          | 96   | 25562               | 4.234  | ug/l   | 93       |
| 13) Acrolein                 | 3.903          | 56   | 6400                | 19.471 | ug/l   | 99       |
| 14) Allyl chloride           | 4.678          | 41   | 37122               | 4.261  | ug/l   | 91       |
| 15) Acrylonitrile            | 5.385          | 53   | 29405               | 21.565 | ug/l   | 96       |
| 16) Acetone                  | 4.147          | 43   | 29350               | 25.766 | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.391          | 76   | 72754               | 4.556  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.684          | 43   | 17789               | 5.245  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.428          | 73   | 37983               | 4.278  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.922          | 84   | 194044              | 19.673 | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.428          | 96   | 29784               | 4.452  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.312          | 45   | 73865               | 3.981  | ug/l # | 88       |
| 23) Vinyl Acetate            | 6.263          | 43   | 192326              | 17.775 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.220          | 63   | 55080               | 4.301  | ug/l   | 97       |
| 25) 2-Butanone               | 7.189          | 43   | 31470               | 19.106 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.171          | 77   | 31760               | 4.469  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.171          | 96   | 31315               | 4.246  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.513          | 49   | 20756               | 4.113  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.543          | 42   | 21136               | 20.013 | ug/l   | 99       |
| 30) Chloroform               | 7.683          | 83   | 57421               | 4.419  | ug/l   | 97       |
| 31) Cyclohexane              | 7.952          | 56   | 58751               | 5.202  | ug/l # | 71       |
| 32) 1,1,1-Trichloroethane    | 7.878          | 97   | 44957               | 4.457  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.086          | 75   | 43479               | 4.214  | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.263          | 43   | 16915               | 4.227  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.067          | 117  | 40585               | 4.246  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.335          | 83   | 49654               | 4.190  | ug/l   | 97       |
| 40) Benzene                  | 8.329          | 78   | 122078              | 4.296  | ug/l   | 100      |

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 Sample : M2940-01 4PPBL0D  
 Misc : 5.00g/5.00mL/MSVOA\_W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2021

Manual Integrations  
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 8/4/2021 7:04:40 PM

Quant Time: Aug 04 07:02:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W080321S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 04 07:01:49 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.482  | 41   | 8405     | 3.727  | ug/l # | 87       |
| 42) 1,2-Dichloroethane        | 8.403  | 62   | 38317    | 4.308  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.433  | 43   | 30152    | 3.972  | ug/l   | 98       |
| 44) Trichloroethene           | 9.098  | 130  | 30526    | 4.176  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.372  | 63   | 28209    | 3.920  | ug/l   | 97       |
| 46) Dibromomethane            | 9.463  | 93   | 15855    | 4.166  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.646  | 83   | 38744    | 4.076  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.439  | 41   | 12082    | 3.582  | ug/l # | 88       |
| 49) 1,4-Dioxane               | 9.488  | 88   | 4091     | 82.579 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.213 | 43   | 76753    | 19.328 | ug/l   | 94       |
| 52) Toluene                   | 10.390 | 92   | 77966    | 4.355  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.610 | 75   | 35873    | 3.865  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.073 | 75   | 42257    | 3.894  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.792 | 97   | 21577    | 4.056  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.646 | 69   | 23129    | 3.615  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.933 | 76   | 37051    | 3.943  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.927  | 63   | 50234    | 16.902 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.969 | 43   | 47987    | 17.922 | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.128 | 129  | 22747    | 3.931  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 19790    | 3.989  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.866 | 164  | 26104    | 4.479  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.658 | 112  | 80024    | 4.295  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.731 | 131  | 25710    | 4.029  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.731 | 91   | 137834   | 4.080  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.841 | 106  | 101438   | 7.860  | ug/l   | 98       |
| 69) o-Xylene                  | 12.164 | 106  | 46389    | 3.880  | ug/l   | 97       |
| 70) Styrene                   | 12.182 | 104  | 75635    | 3.743  | ug/l   | 98       |
| 71) Bromoform                 | 12.347 | 173  | 11571    | 3.775  | ug/l # | 92       |
| 73) Isopropylbenzene          | 12.463 | 105  | 126691   | 3.912  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.274 | 43   | 24621    | 3.614  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 25453    | 4.279  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.768 | 75   | 20902m   | 4.800  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 29259    | 4.116  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.804 | 91   | 166437   | 4.180  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.890 | 91   | 96084    | 4.116  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 109465   | 3.965  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.518 | 75   | 6109m    | 3.608  | ug/l   |          |
| 82) 4-Chlorotoluene           | 12.987 | 91   | 101631   | 4.186  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.207 | 119  | 94070    | 3.965  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 108599   | 3.951  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.383 | 105  | 145935   | 4.051  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.499 | 119  | 117717   | 3.982  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.499 | 146  | 63147    | 4.217  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 66410    | 4.460  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.822 | 91   | 116027   | 3.990  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.091 | 117  | 21675    | 4.019  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.865 | 146  | 52929    | 4.023  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.481 | 75   | 4343     | 4.482  | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.133 | 180  | 34683    | 4.250  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.231 | 225  | 20824    | 4.389  | ug/l   | 98       |
| 95) Naphthalene               | 15.365 | 128  | 57485    | 3.778  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 31990    | 4.434  | ug/l   | 97       |

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 Sample : M2940-01 4PPBLOD  
 Misc : 5.00g/5.00mL/MSVOA\_W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_W  
**ClientSampleId :**  
 LOD-MDL-SOIL-01-QT3-2021

**Manual Integrations**  
**APPROVED**

MMDadoda  
 8/4/2021 7:04:40 PM

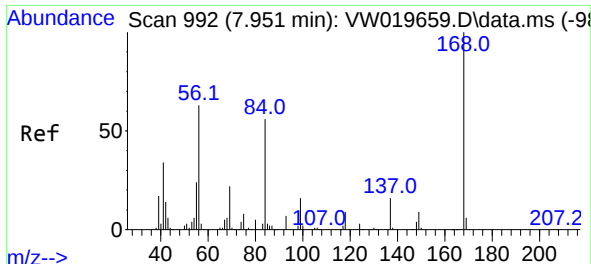
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W080321S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 04 07:01:49 2021  
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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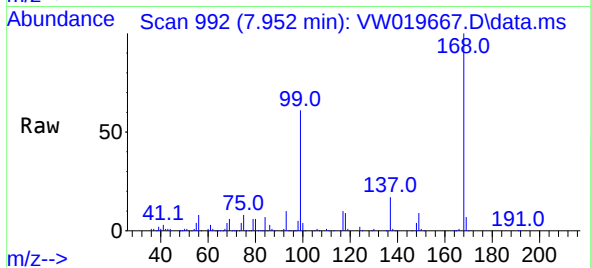
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#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.952 min Scan# 992  
Delta R.T. 0.001 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

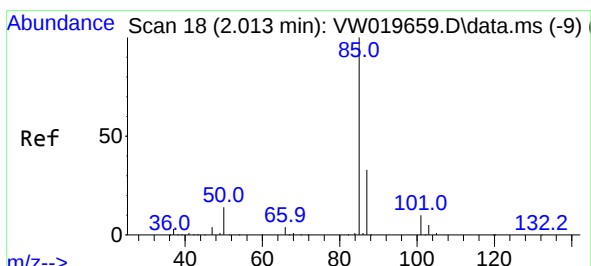
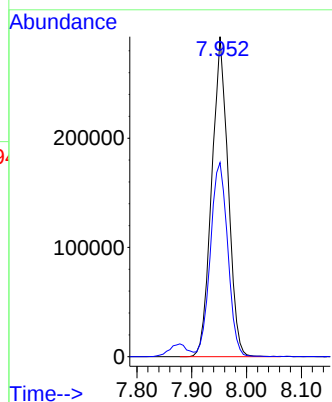
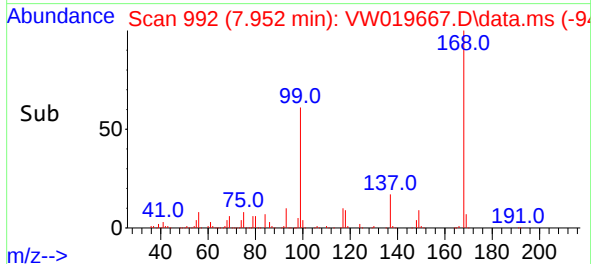
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



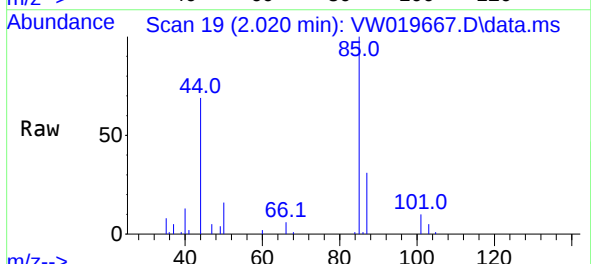
Tgt Ion:168 Resp: 605977  
Ion Ratio Lower Upper  
168 100  
99 60.5 51.9 77.9

Manual Integrations  
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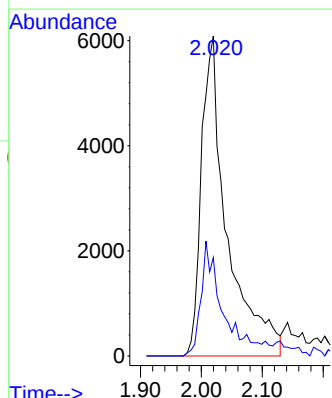
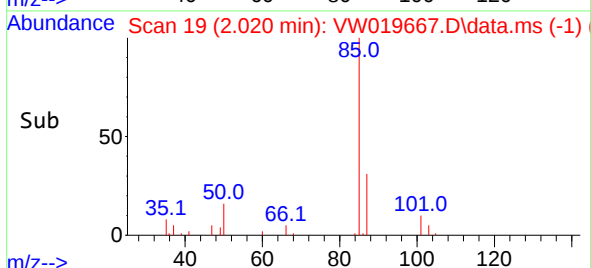
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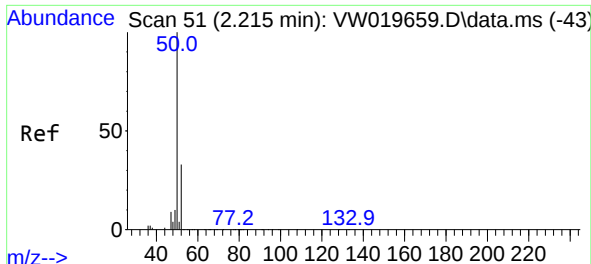


#2  
Dichlorodifluoromethane  
Concen: 5.237 ug/l  
RT: 2.020 min Scan# 19  
Delta R.T. 0.007 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



Tgt Ion: 85 Resp: 17802  
Ion Ratio Lower Upper  
85 100  
87 30.7 15.8 47.4





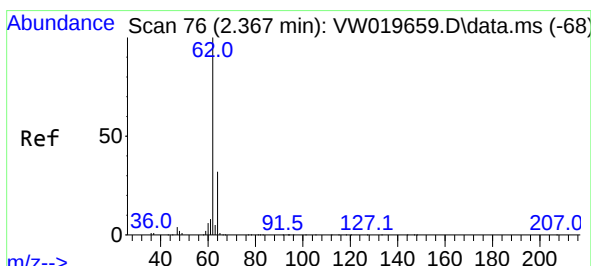
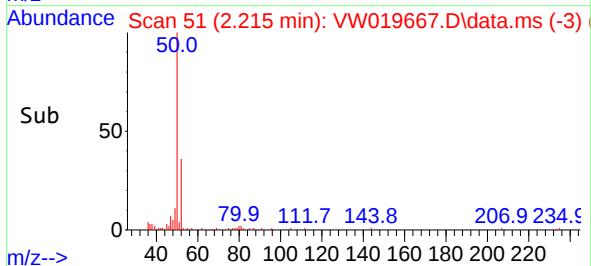
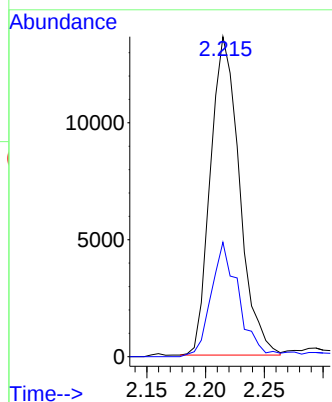
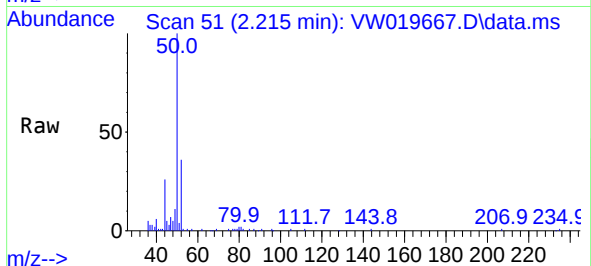
#3  
Chloromethane  
Concen: 5.061 ug/l  
RT: 2.215 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 50 Resp: 23437  
Ion Ratio Lower Upper  
50 100  
52 35.9 25.0 37.4

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

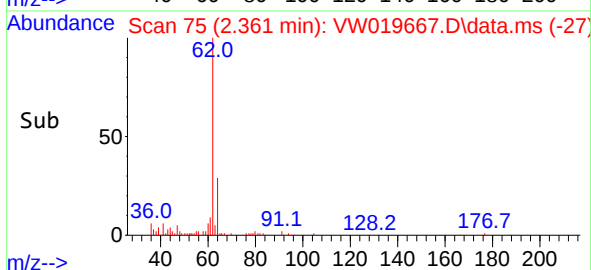
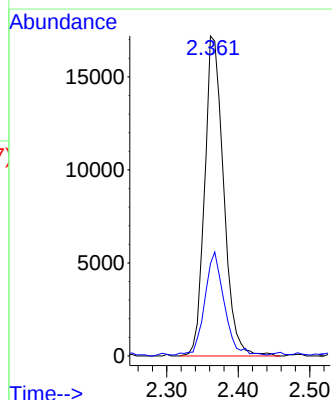
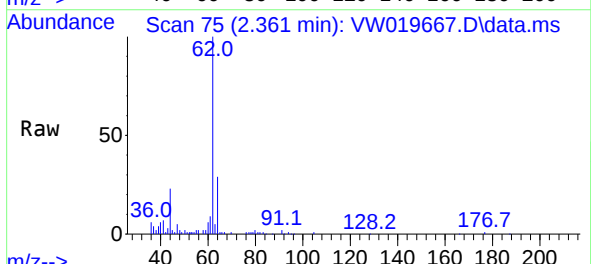
Manual Integrations  
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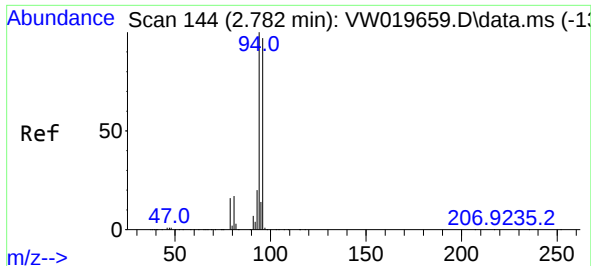
MMDadoda  
8/4/2021 7:04:40 PM



#4  
Vinyl Chloride  
Concen: 4.713 ug/l  
RT: 2.361 min Scan# 75  
Delta R.T. -0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 62 Resp: 31775  
Ion Ratio Lower Upper  
62 100  
64 27.9 25.1 37.7





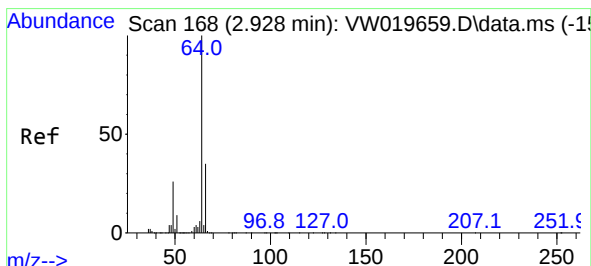
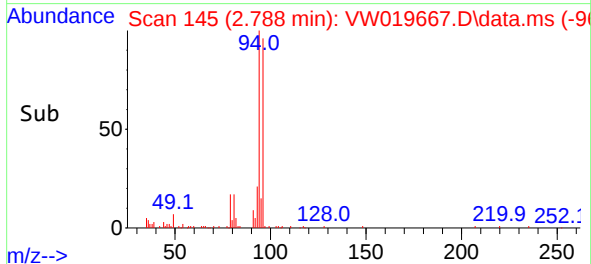
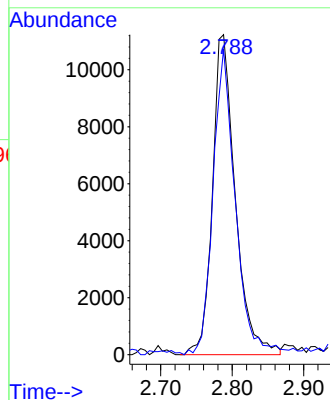
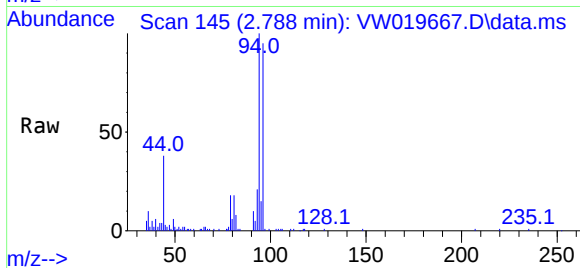
#5  
Bromomethane  
Concen: 4.931 ug/l  
RT: 2.788 min Scan# 145  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 94 Resp: 24885  
Ion Ratio Lower Upper  
94 100  
96 94.8 72.7 109.1

Instrument :  
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LOD-MDL-SOIL-01-QT3-2021

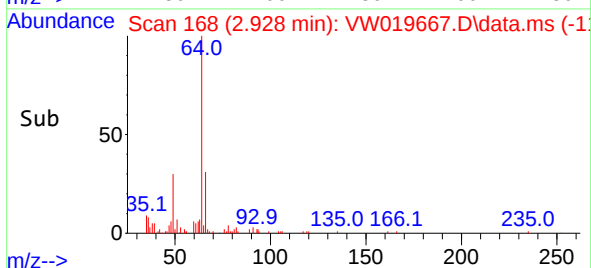
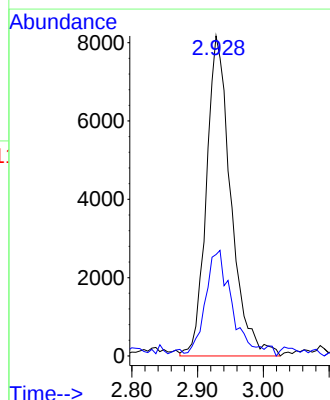
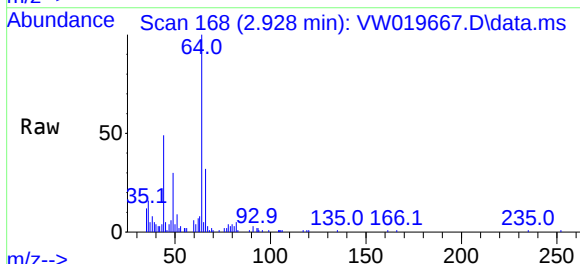
Manual Integrations  
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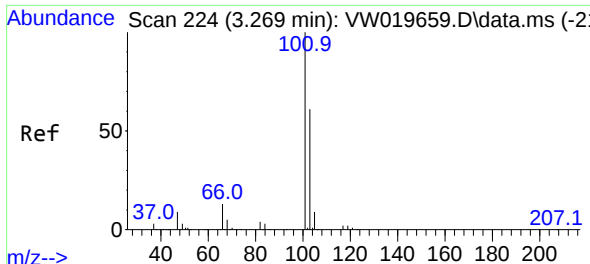
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8/4/2021 7:04:40 PM



#6  
Chloroethane  
Concen: 4.933 ug/l  
RT: 2.928 min Scan# 168  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 64 Resp: 21149  
Ion Ratio Lower Upper  
64 100  
66 30.0 26.9 40.3





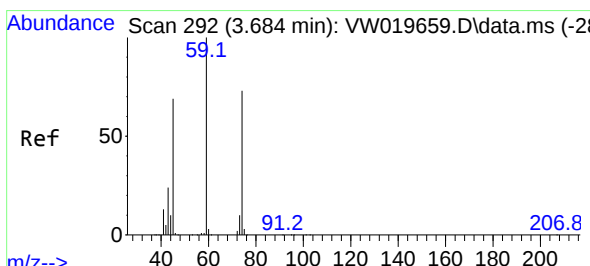
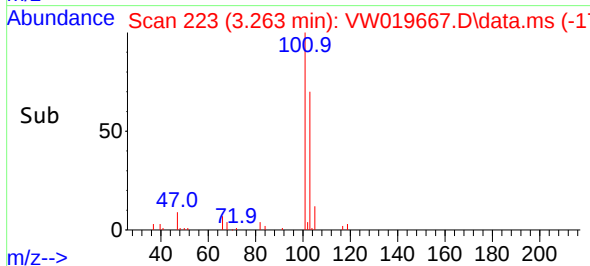
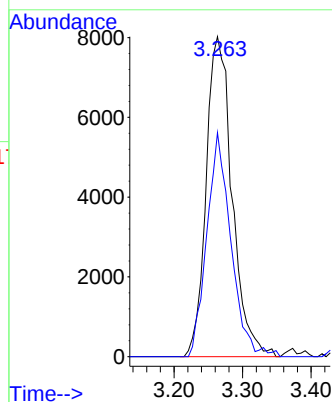
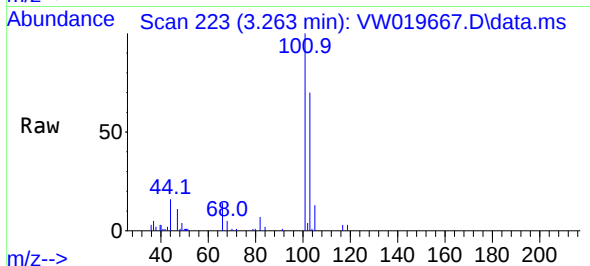
#7  
Trichlorofluoromethane  
Concen: 4.125 ug/l  
RT: 3.263 min Scan# 223  
Delta R.T. -0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion:101 Resp: 21118  
Ion Ratio Lower Upper  
101 100  
103 70.0 52.2 78.2

Instrument :  
MSVOA\_W  
ClientSampleId :  
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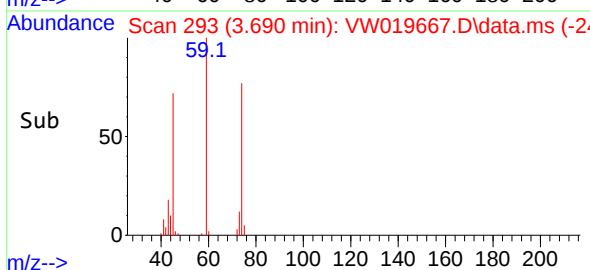
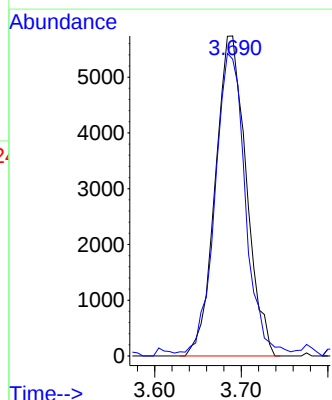
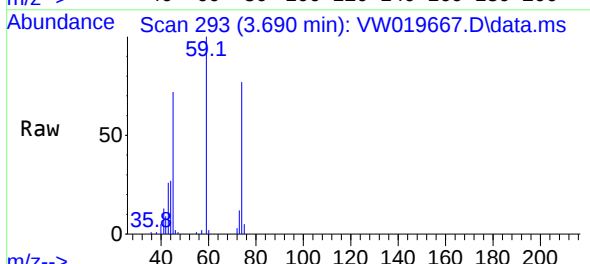
Manual Integrations  
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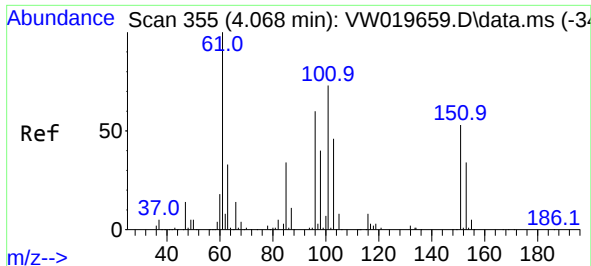
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#8  
Diethyl Ether  
Concen: 4.497 ug/l  
RT: 3.690 min Scan# 293  
Delta R.T. 0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 74 Resp: 14250  
Ion Ratio Lower Upper  
74 100  
45 91.7 48.8 146.3





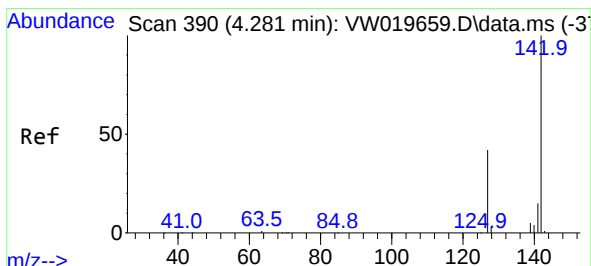
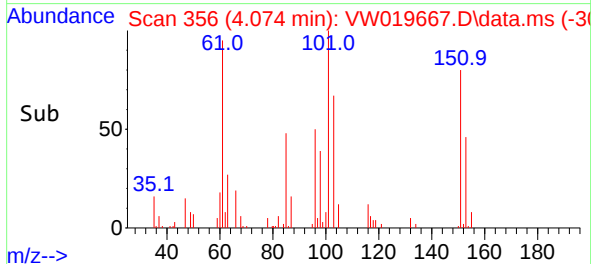
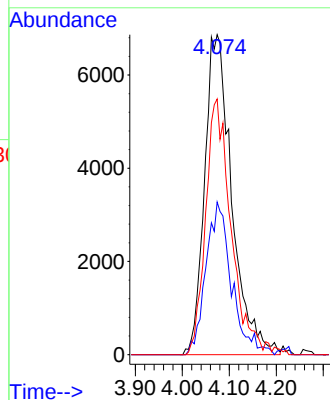
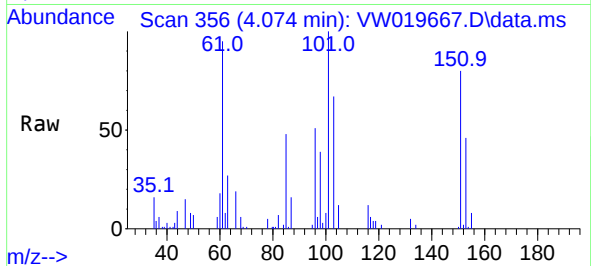
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.520 ug/l  
RT: 4.074 min Scan# 356  
Delta R.T. 0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 27663 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 44.1  | 35.4  | 53.0  |
| 151      | 73.8  | 59.6  | 89.4  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

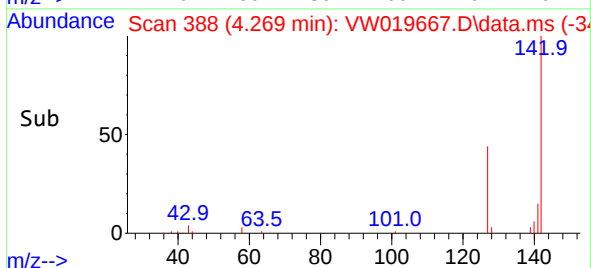
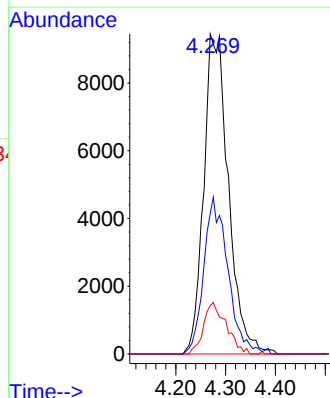
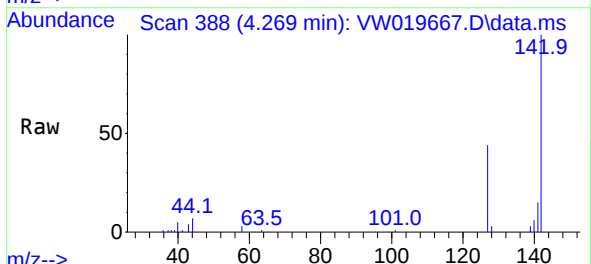
Manual Integrations  
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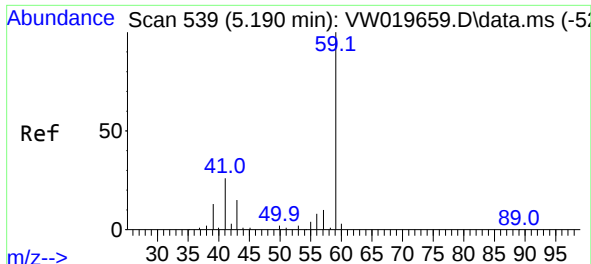
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#10  
Methyl Iodide  
Concen: 4.115 ug/l  
RT: 4.269 min Scan# 388  
Delta R.T. -0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

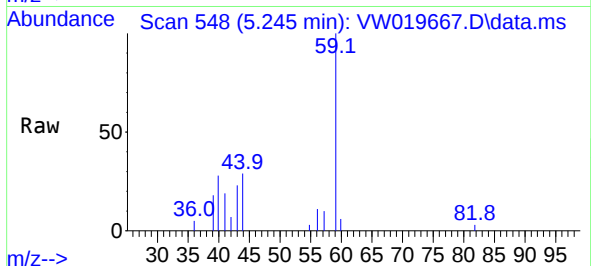
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 32452 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 47.7  | 34.2  | 51.2  |
| 141      | 14.8  | 11.9  | 17.9  |





#11  
Tert butyl alcohol  
Concen: 26.565 ug/l m  
RT: 5.245 min Scan# 548  
Delta R.T. 0.080 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

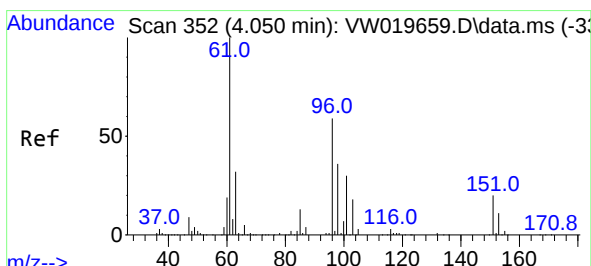
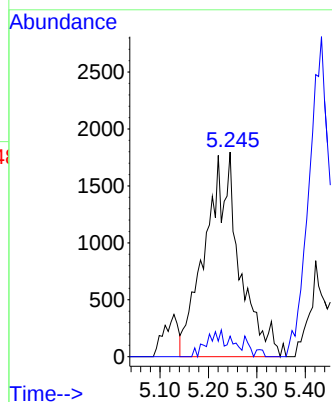
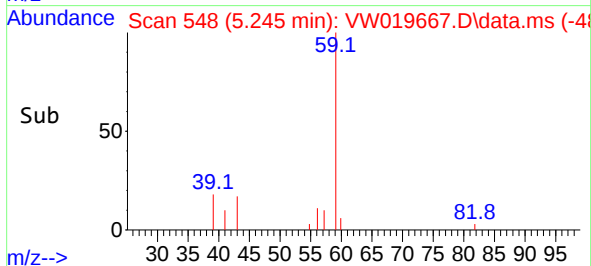
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



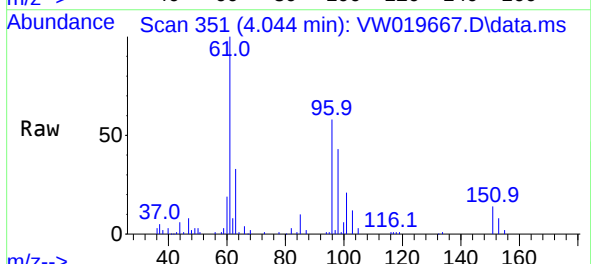
Tgt Ion: 59 Resp: 8748  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

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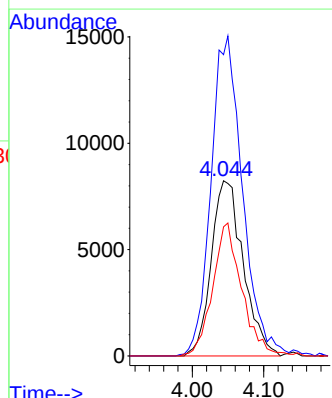
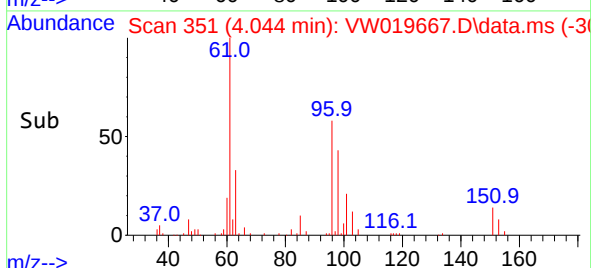
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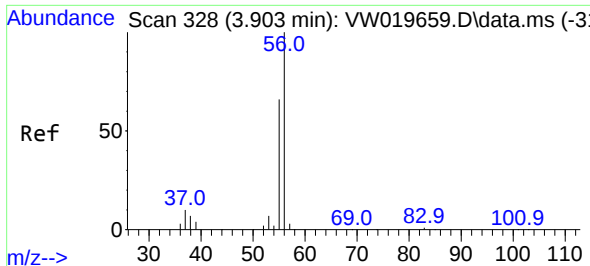


#12  
1,1-Dichloroethene  
Concen: 4.234 ug/l  
RT: 4.044 min Scan# 351  
Delta R.T. -0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



Tgt Ion: 96 Resp: 25562  
Ion Ratio Lower Upper  
96 100  
61 171.1 131.0 196.6  
98 73.7 52.2 78.2





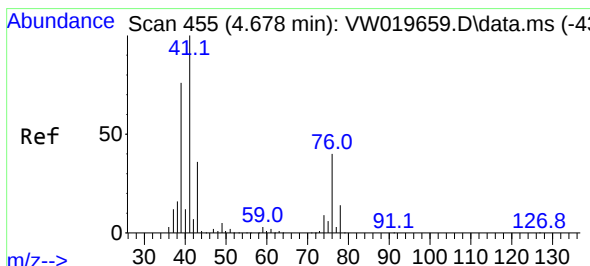
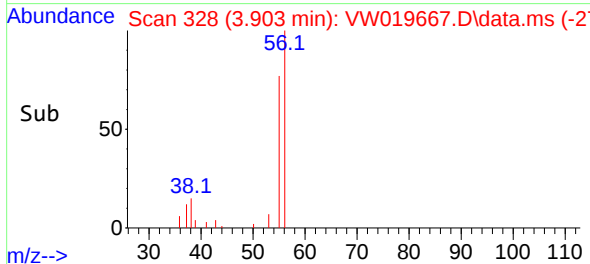
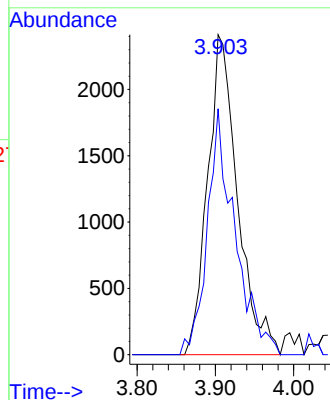
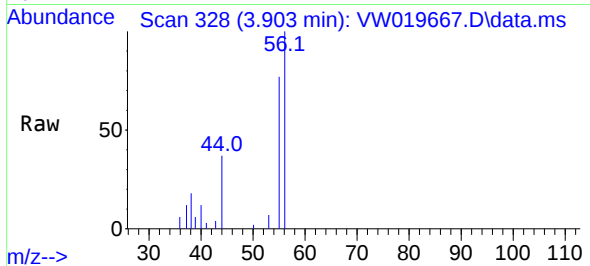
#13  
Acrolein  
Concen: 19.471 ug/l  
RT: 3.903 min Scan# 328  
Delta R.T. 0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 56 Resp: 6400  
Ion Ratio Lower Upper  
56 100  
55 71.0 56.3 84.5

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

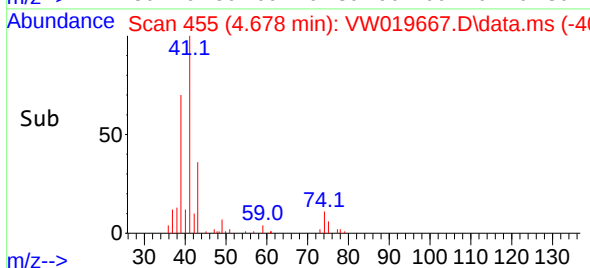
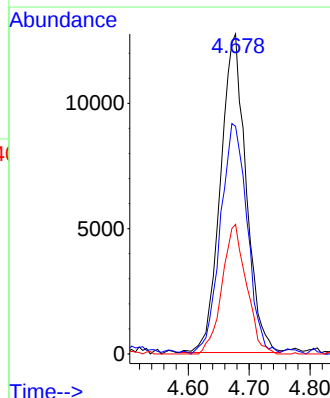
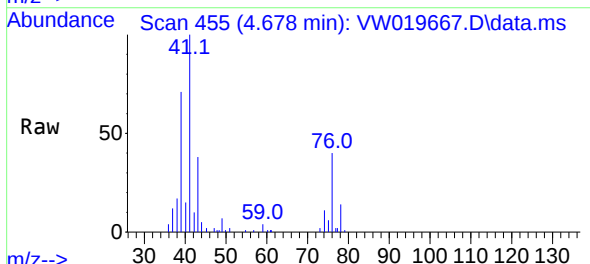
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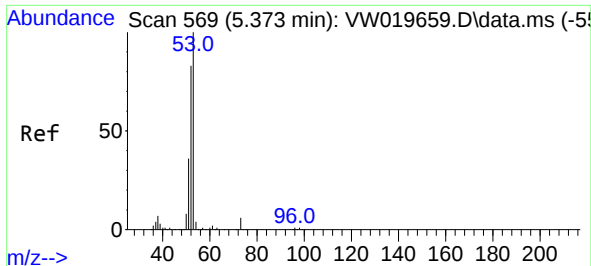
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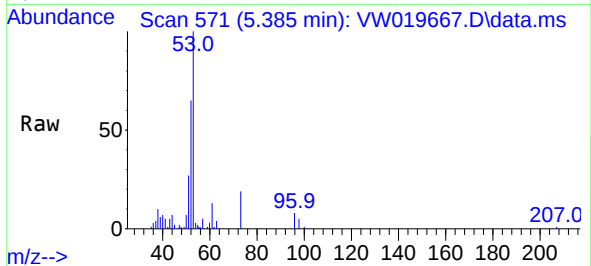
#14  
Allyl chloride  
Concen: 4.261 ug/l  
RT: 4.678 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 41 Resp: 37122  
Ion Ratio Lower Upper  
41 100  
39 76.1 52.2 78.2  
76 38.8 30.1 45.1



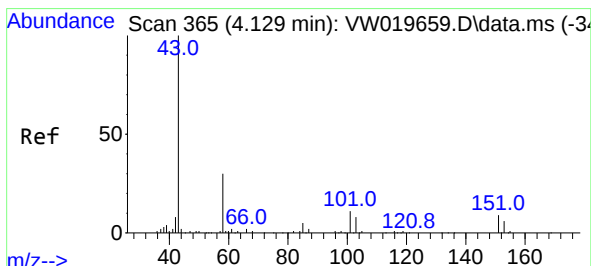
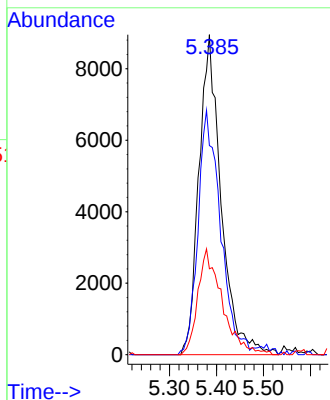
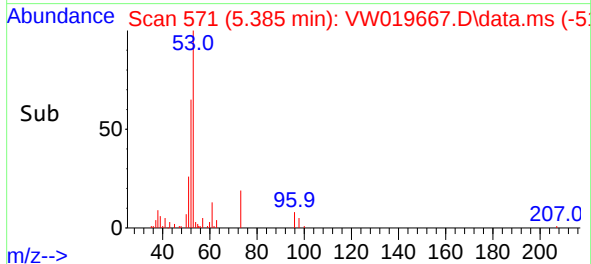


#15  
Acrylonitrile  
Concen: 21.565 ug/l  
RT: 5.385 min Scan# 571  
Delta R.T. 0.019 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

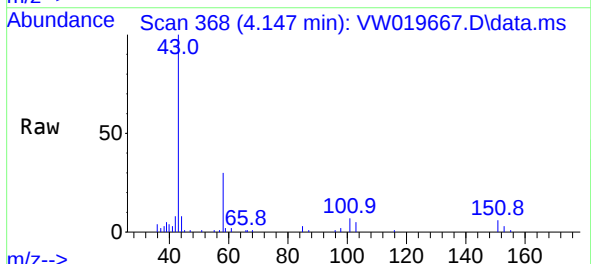


Tgt Ion: 53 Resp: 29405

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 77.4  | 65.9  | 98.9  |
| 51  | 36.3  | 29.2  | 43.8  |

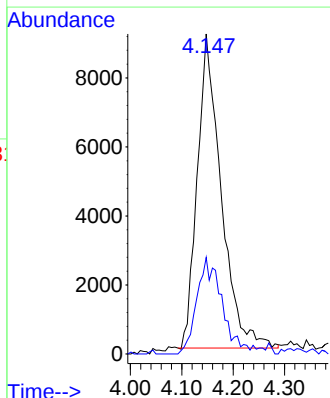
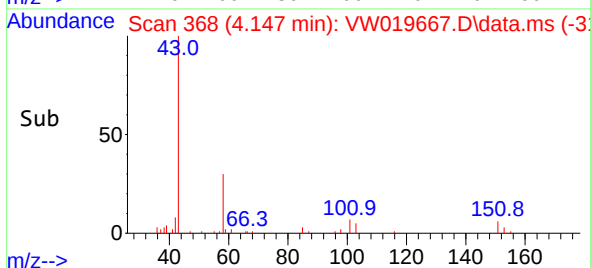


#16  
Acetone  
Concen: 25.766 ug/l  
RT: 4.147 min Scan# 368  
Delta R.T. 0.024 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



Tgt Ion: 43 Resp: 29350

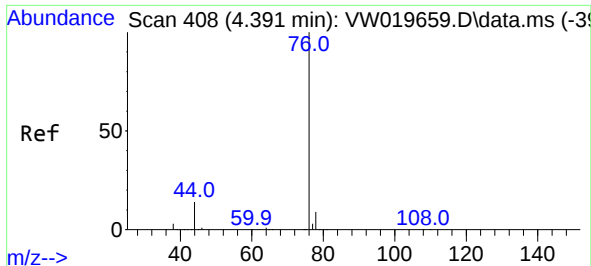
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 30.7  | 27.2  | 40.8  |



Instrument :  
MSVOA\_W  
ClientSampleId :  
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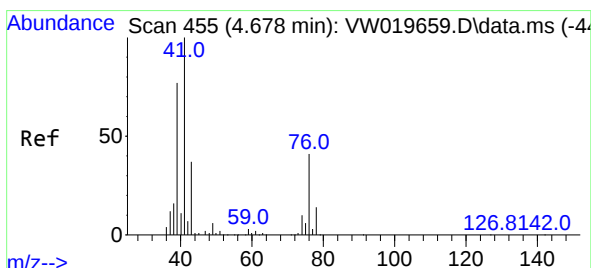
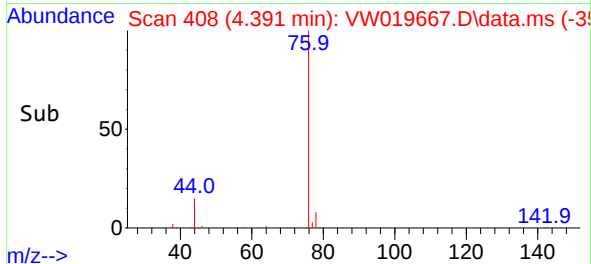
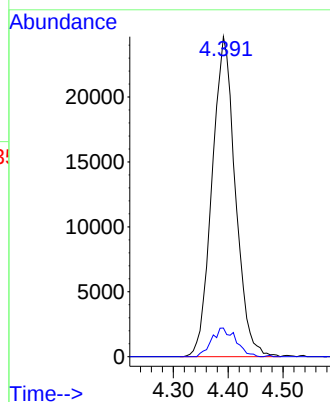
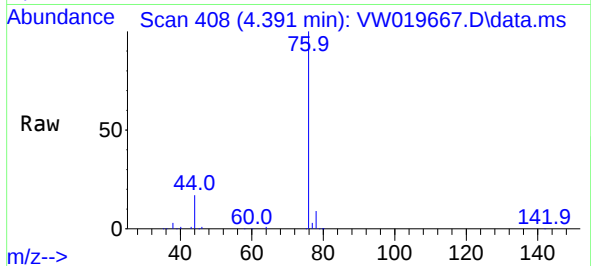
#17  
Carbon Disulfide  
Concen: 4.556 ug/l  
RT: 4.391 min Scan# 408  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 76 Resp: 72754  
Ion Ratio Lower Upper  
76 100  
78 9.0 6.8 10.2

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

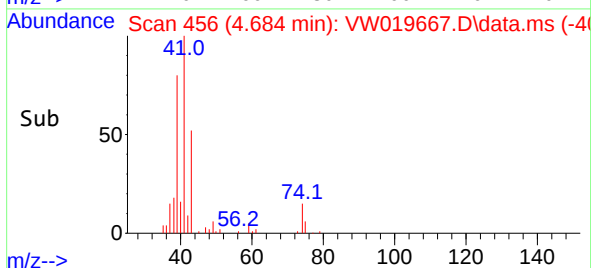
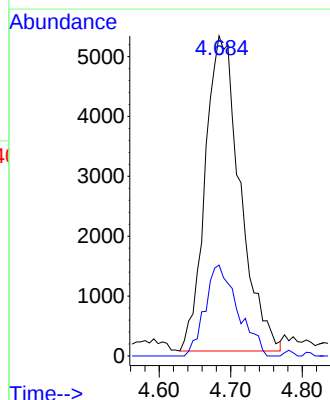
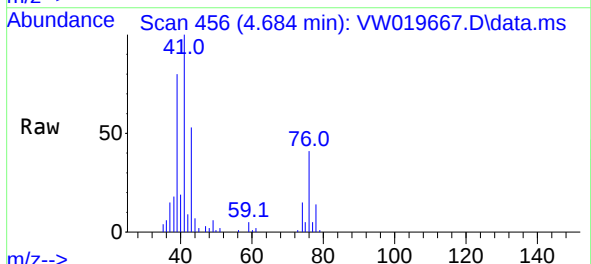
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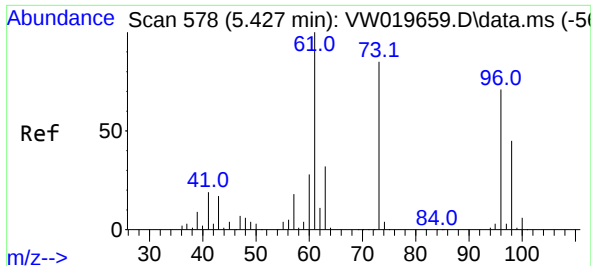
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#18  
Methyl Acetate  
Concen: 5.245 ug/l  
RT: 4.684 min Scan# 456  
Delta R.T. 0.012 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 43 Resp: 17789  
Ion Ratio Lower Upper  
43 100  
74 27.1 20.1 30.1





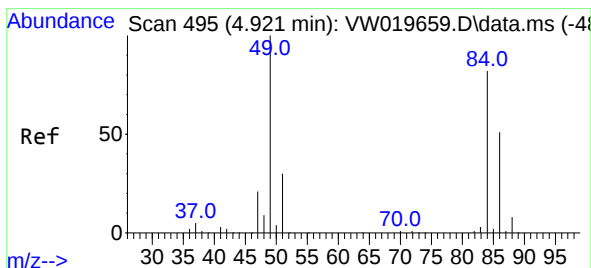
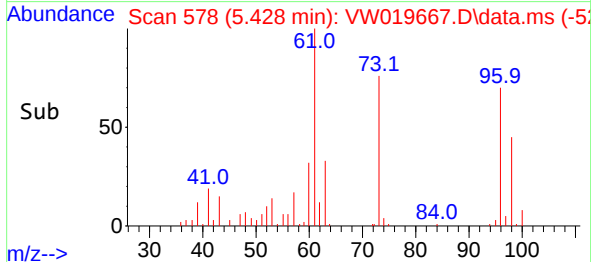
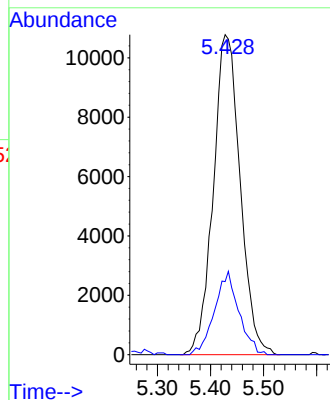
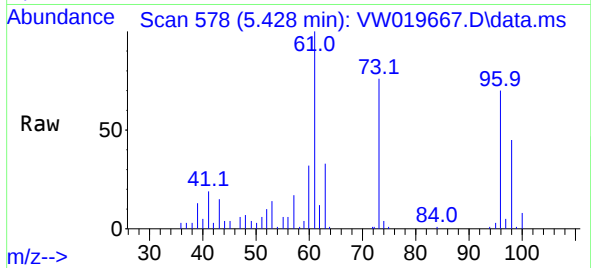
#19  
Methyl tert-butyl Ether  
Concen: 4.278 ug/l  
RT: 5.428 min Scan# 578  
Delta R.T. 0.001 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 73 Resp: 37983  
Ion Ratio Lower Upper  
73 100  
57 22.8 17.4 26.0

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

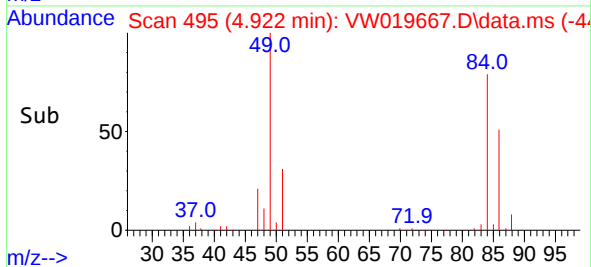
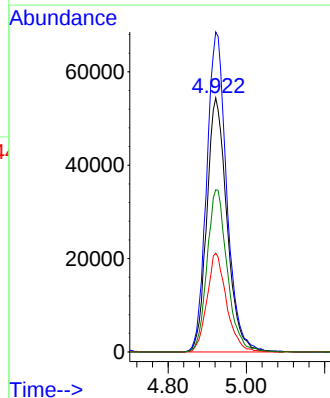
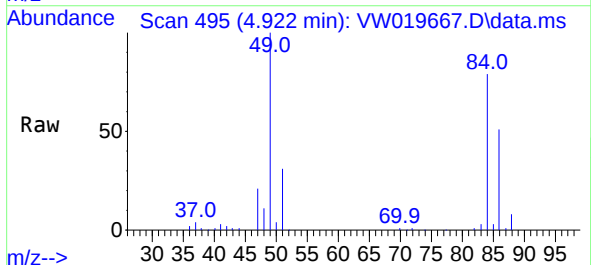
Manual Integrations  
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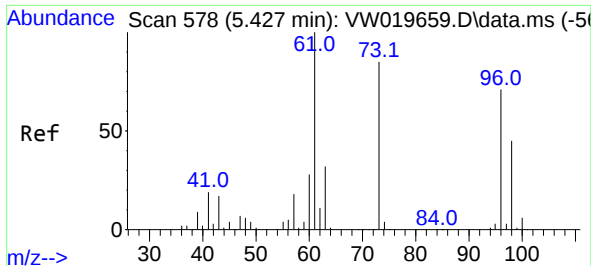
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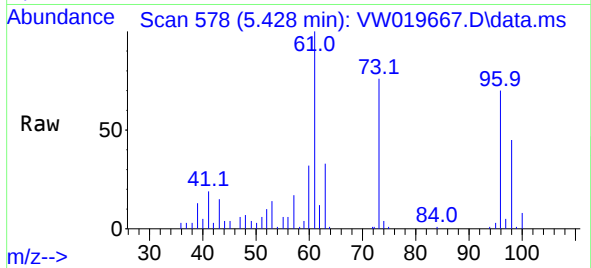
#20  
Methylene Chloride  
Concen: 19.673 ug/l  
RT: 4.922 min Scan# 495  
Delta R.T. 0.001 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 84 Resp: 194044  
Ion Ratio Lower Upper  
84 100  
49 125.9 97.2 145.8  
51 38.8 30.1 45.1  
86 63.8 49.9 74.9



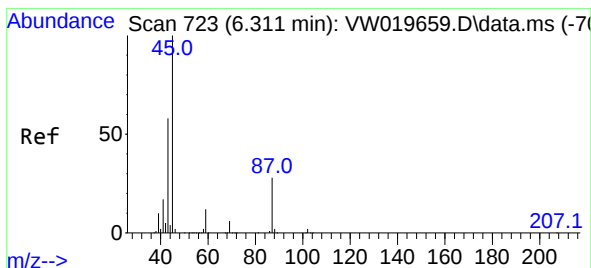
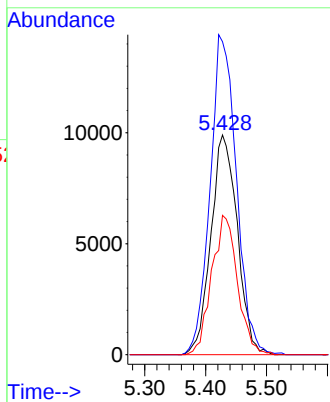
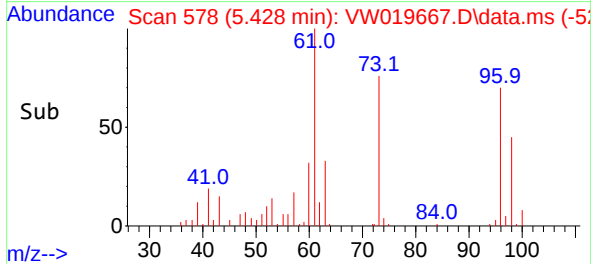


#21  
trans-1,2-Dichloroethene  
Concen: 4.452 ug/l  
RT: 5.428 min Scan# 578  
Delta R.T. 0.001 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

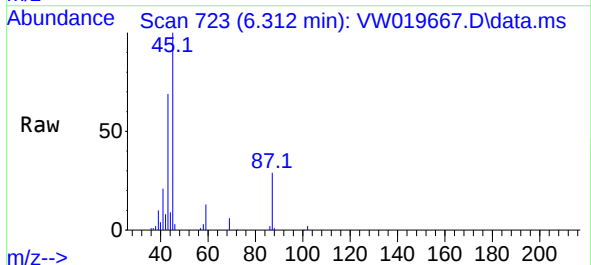


Tgt Ion: 96 Resp: 29784

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 142.4 | 110.3 | 165.5 |
| 98  | 63.4  | 49.1  | 73.7  |

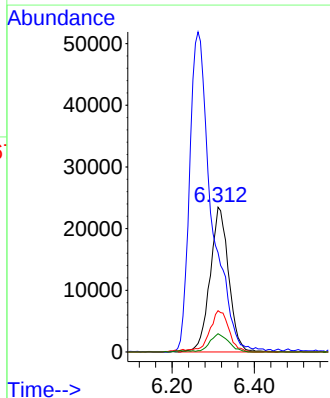
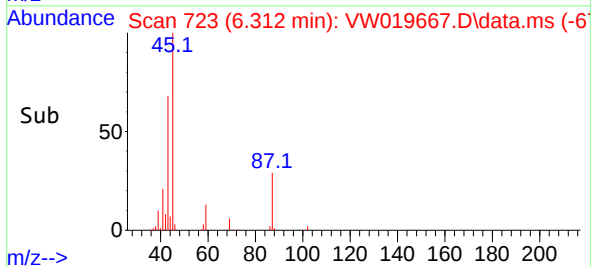


#22  
Diisopropyl ether  
Concen: 3.981 ug/l  
RT: 6.312 min Scan# 723  
Delta R.T. -0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



Tgt Ion: 45 Resp: 73865

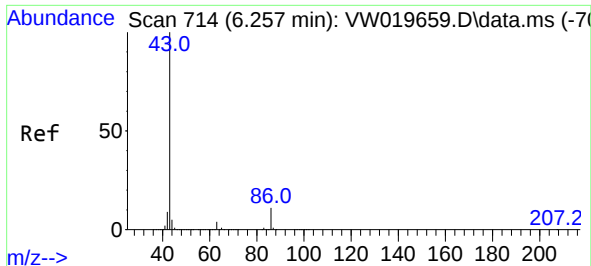
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 66.7  | 42.0  | 63.0  |
| 87  | 28.5  | 23.0  | 34.6  |
| 59  | 12.6  | 9.8   | 14.6  |



Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

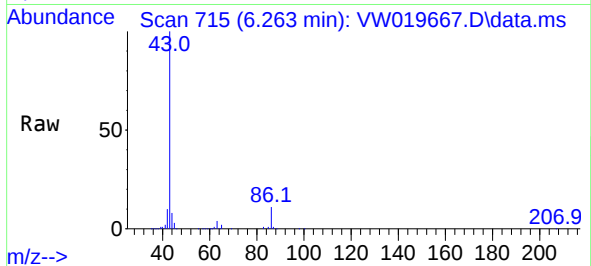
Manual Integrations  
APPROVED

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#23  
Vinyl Acetate  
Concen: 17.775 ug/l  
RT: 6.263 min Scan# 715  
Delta R.T. 0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

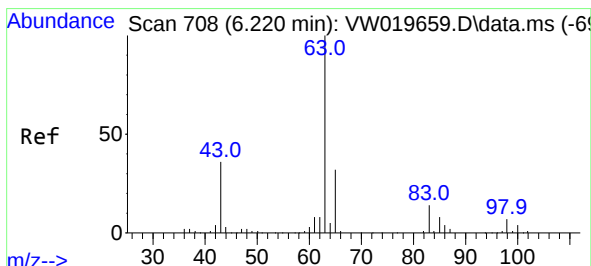
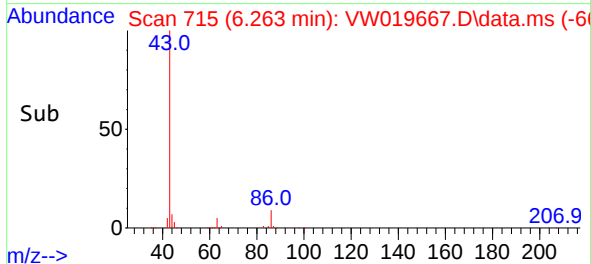
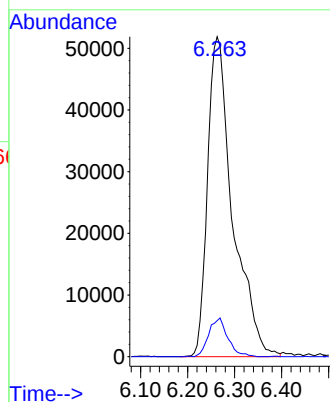
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



Tgt Ion: 43 Resp: 192326  
Ion Ratio Lower Upper  
43 100  
86 11.2 9.1 13.7

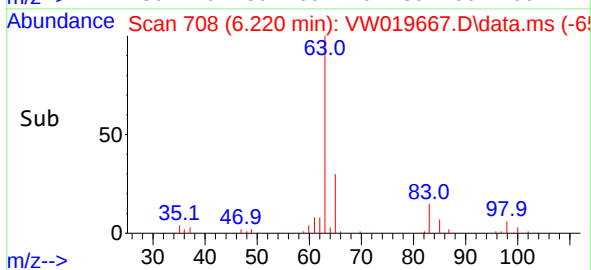
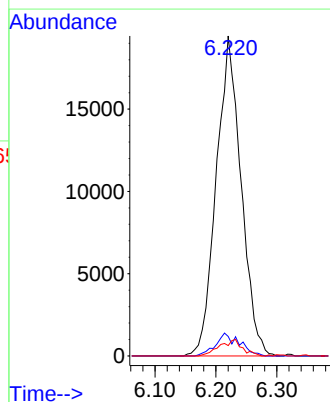
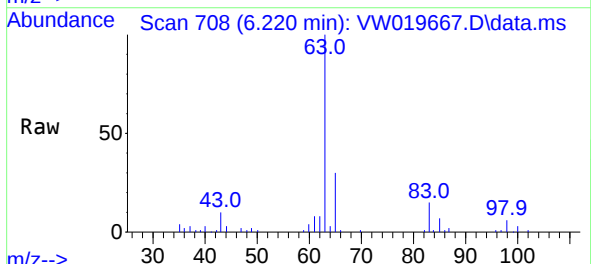
Manual Integrations  
APPROVED

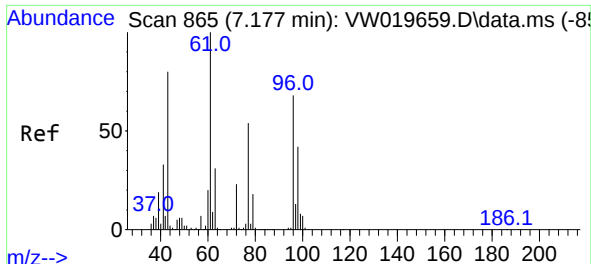
MMDadoda  
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#24  
1,1-Dichloroethane  
Concen: 4.301 ug/l  
RT: 6.220 min Scan# 708  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

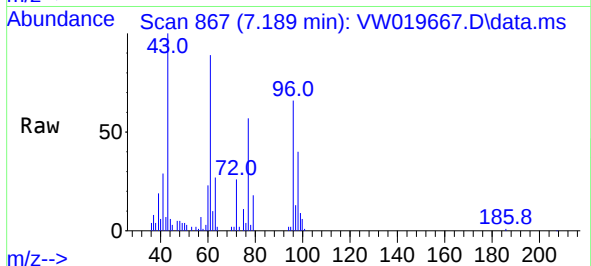
Tgt Ion: 63 Resp: 55080  
Ion Ratio Lower Upper  
63 100  
98 6.1 3.5 10.4  
100 3.3 2.2 6.6





#25  
2-Butanone  
Concen: 19.106 ug/l  
RT: 7.189 min Scan# 867  
Delta R.T. 0.018 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

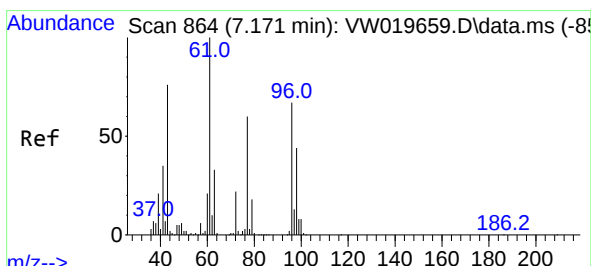
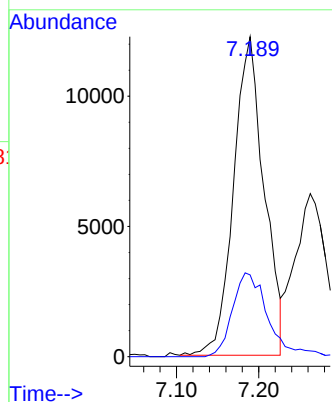
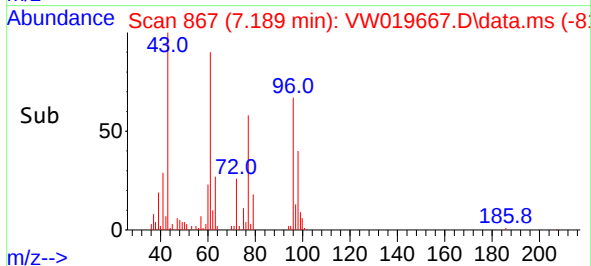
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



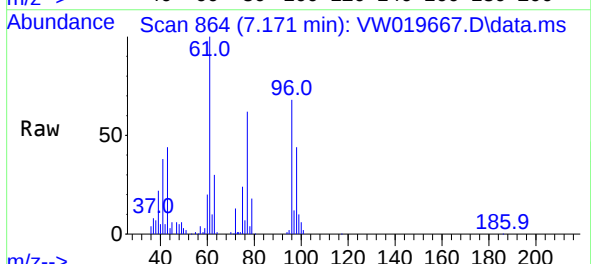
Tgt Ion: 43 Resp: 31470  
Ion Ratio Lower Upper  
43 100  
72 25.7 21.4 32.0

Manual Integrations  
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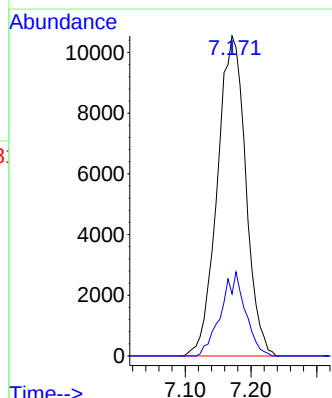
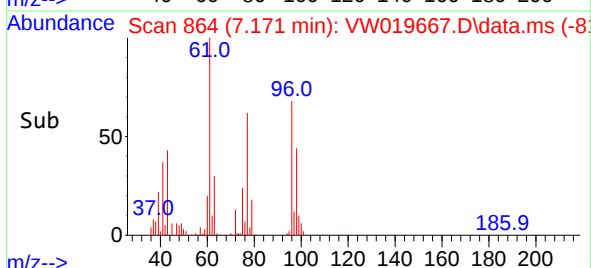
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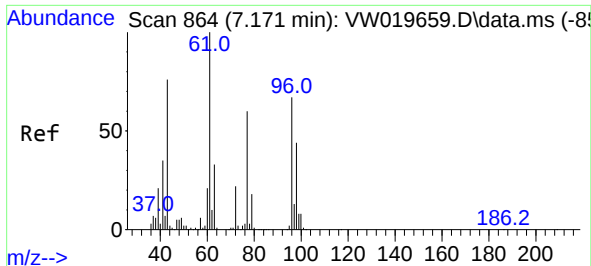


#26  
2,2-Dichloropropane  
Concen: 4.469 ug/l  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



Tgt Ion: 77 Resp: 31760  
Ion Ratio Lower Upper  
77 100  
97 22.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 4.246 ug/l

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW019667.D

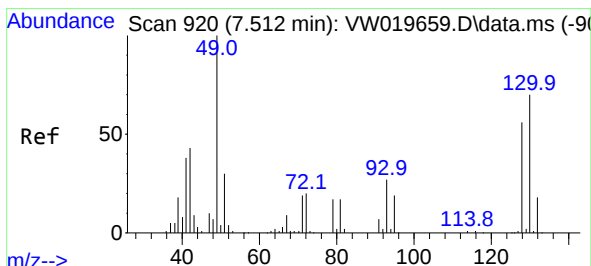
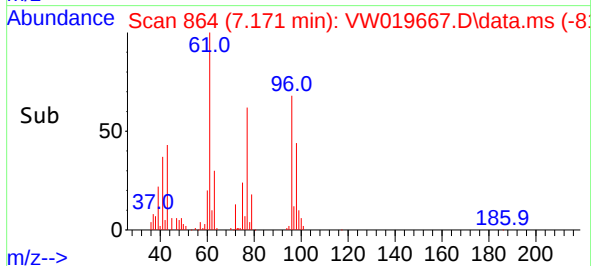
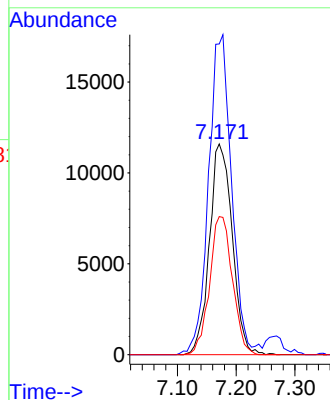
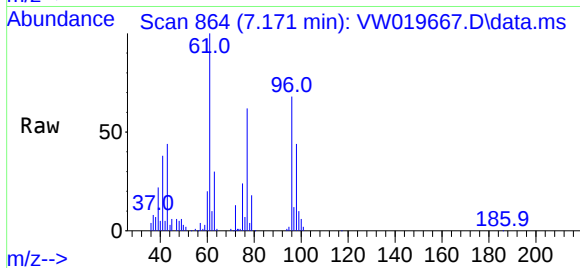
Acq: 03 Aug 2021 18:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 31315 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 152.2 | 0.0   | 289.6 |
| 98       | 65.4  | 0.0   | 127.4 |

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

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#28

Bromochloromethane

Concen: 4.113 ug/l

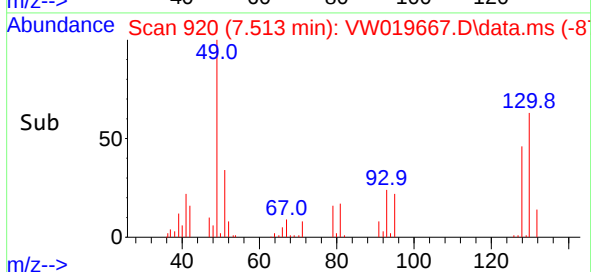
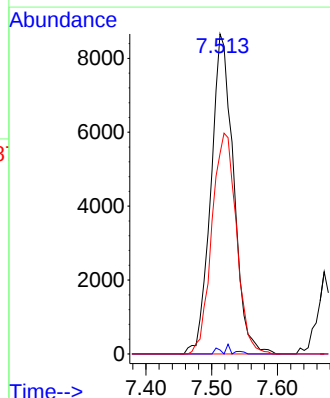
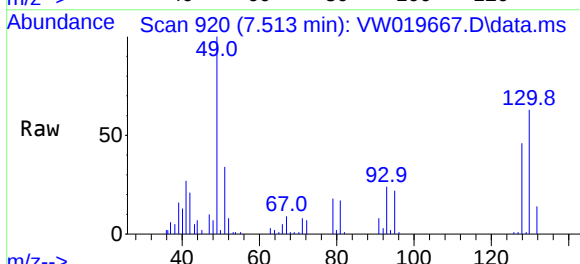
RT: 7.513 min Scan# 920

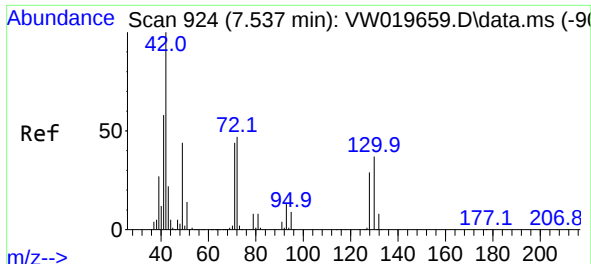
Delta R.T. -0.006 min

Lab File: VW019667.D

Acq: 03 Aug 2021 18:42

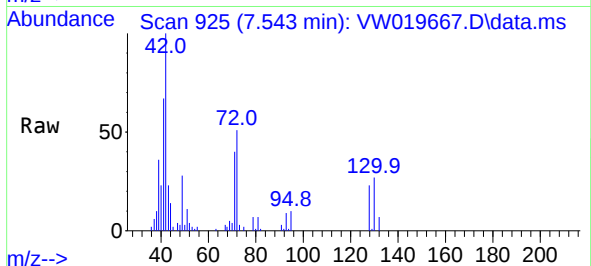
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 20756 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.6   | 0.0   | 3.4   |
| 130      | 74.6  | 59.8  | 89.6  |





#29  
Tetrahydrofuran  
Concen: 20.013 ug/l  
RT: 7.543 min Scan# 925  
Delta R.T. 0.012 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

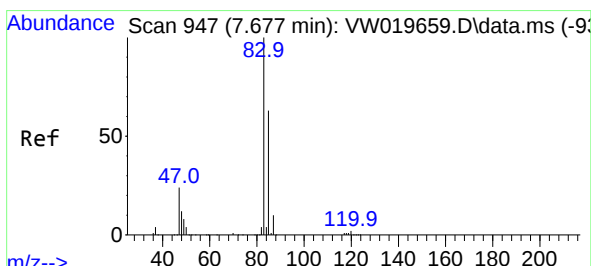
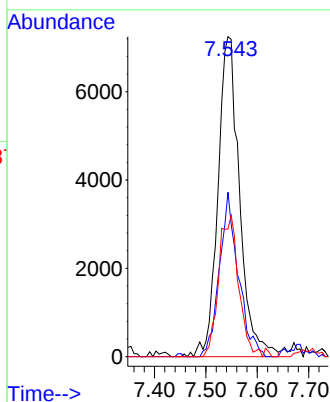
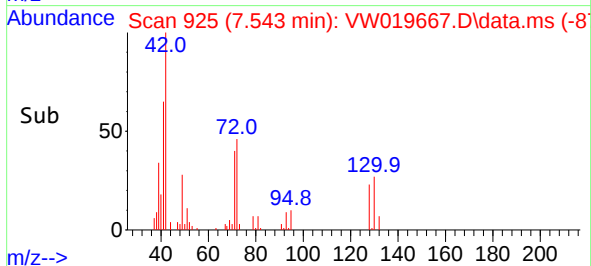
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



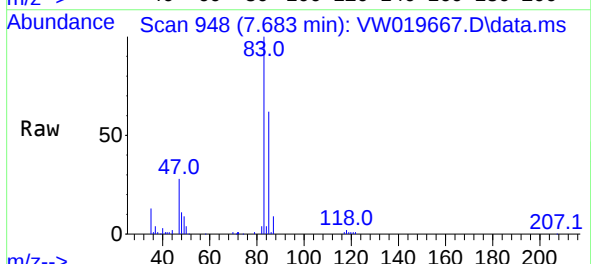
Tgt Ion: 42 Resp: 21136  
Ion Ratio Lower Upper  
42 100  
72 45.0 35.8 53.8  
71 40.8 33.4 50.2

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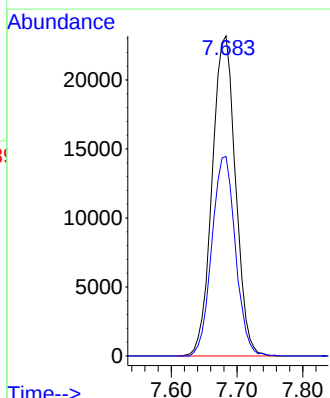
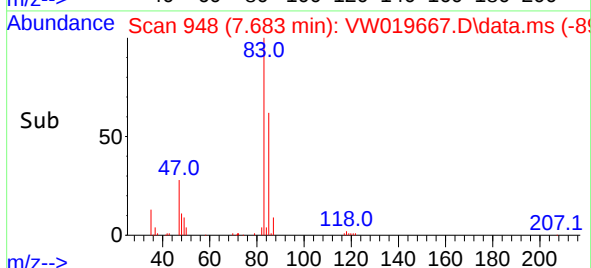
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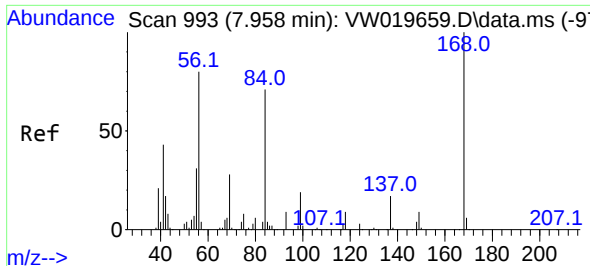


#30  
Chloroform  
Concen: 4.419 ug/l  
RT: 7.683 min Scan# 948  
Delta R.T. 0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



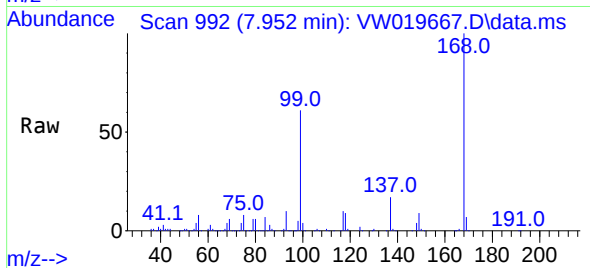
Tgt Ion: 83 Resp: 57421  
Ion Ratio Lower Upper  
83 100  
85 62.4 52.1 78.1





#31  
Cyclohexane  
Concen: 5.202 ug/l  
RT: 7.952 min Scan# 992  
Delta R.T. -0.005 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

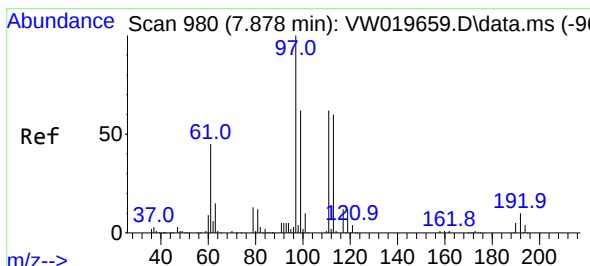
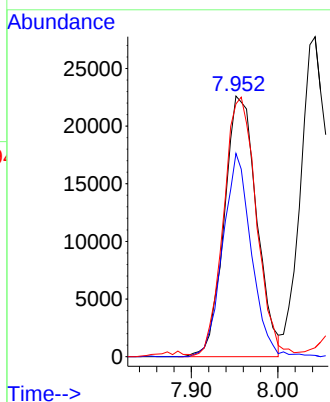
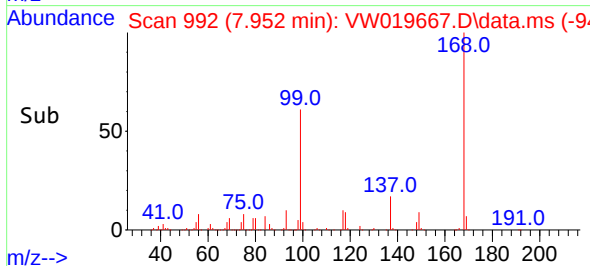
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



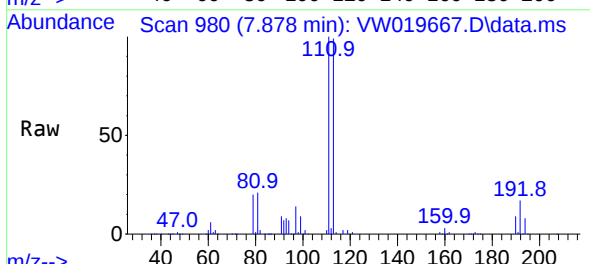
Tgt Ion: 56 Resp: 58751  
Ion Ratio Lower Upper  
56 100  
69 78.0 28.3 42.5#  
84 94.9 68.1 102.1

Manual Integrations  
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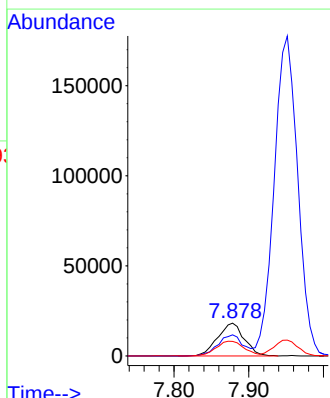
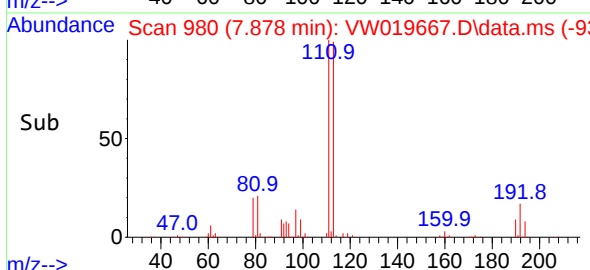
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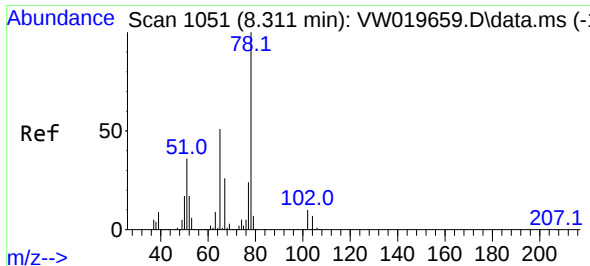


#32  
1,1,1-Trichloroethane  
Concen: 4.457 ug/l  
RT: 7.878 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

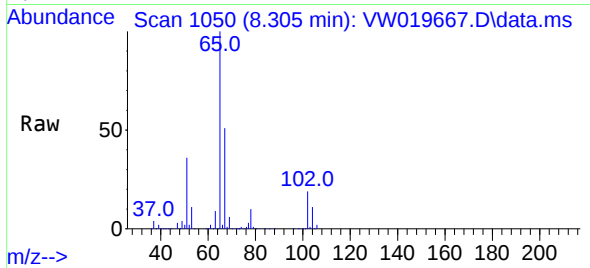


Tgt Ion: 97 Resp: 44957  
Ion Ratio Lower Upper  
97 100  
99 60.8 52.0 78.0  
61 47.6 36.5 54.7

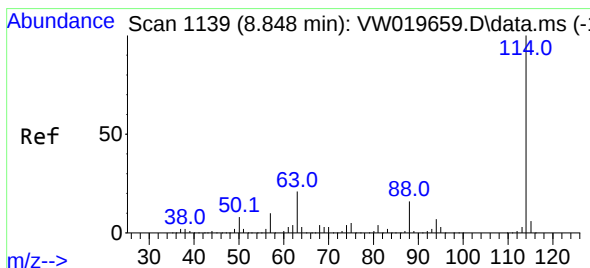
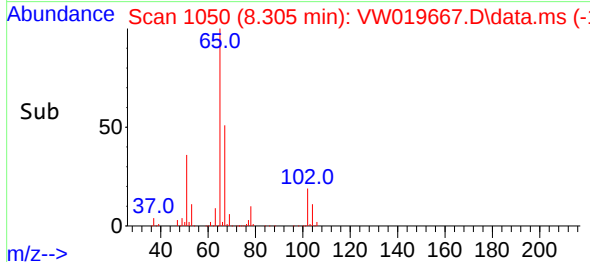
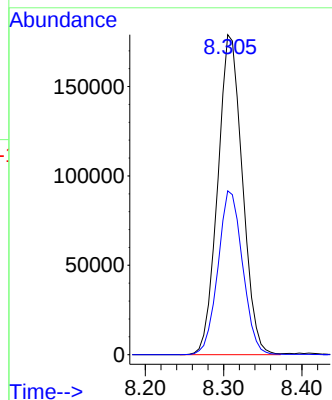




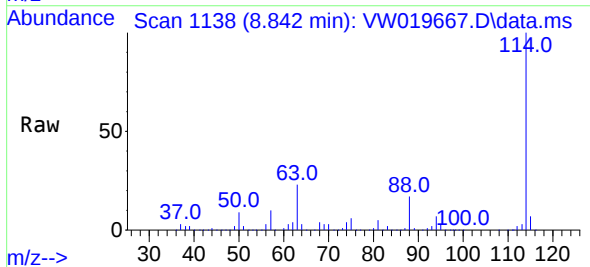
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.844 ug/l  
 RT: 8.305 min Scan# 1050  
 Delta R.T. 0.000 min  
 Lab File: VW019667.D  
 Acq: 03 Aug 2021 18:42



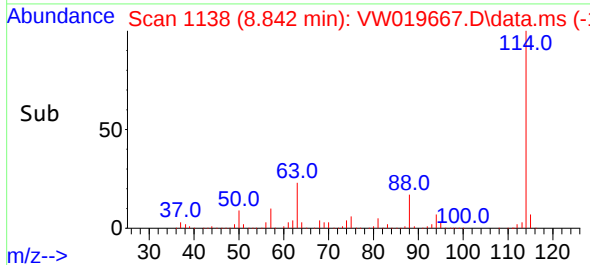
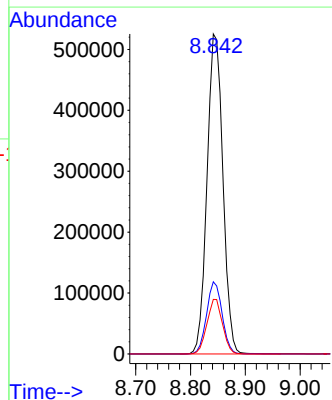
Tgt Ion: 65 Resp: 391988  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 107.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.842 min Scan# 1138  
 Delta R.T. 0.001 min  
 Lab File: VW019667.D  
 Acq: 03 Aug 2021 18:42



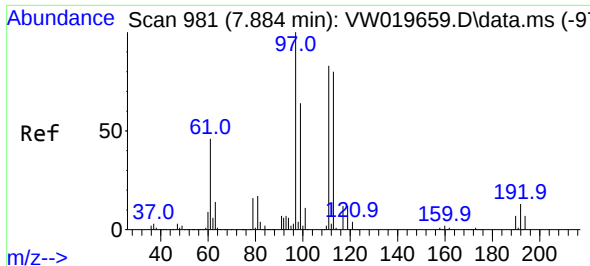
Tgt Ion: 114 Resp: 1052834  
 Ion Ratio Lower Upper  
 114 100  
 63 22.5 0.0 43.8  
 88 17.0 0.0 33.4



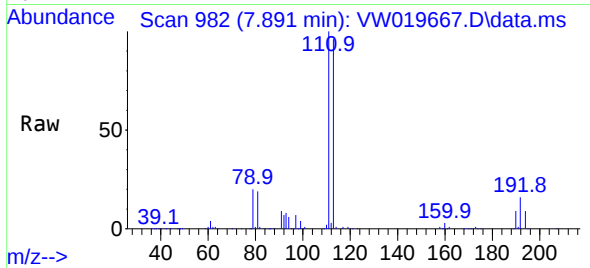
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2021

Manual Integrations  
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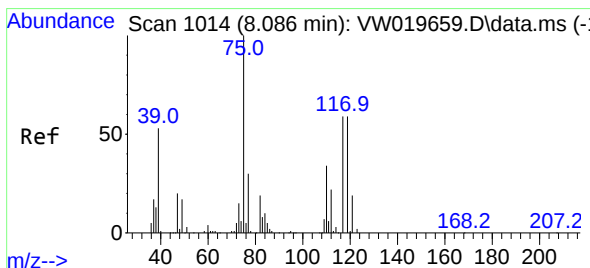
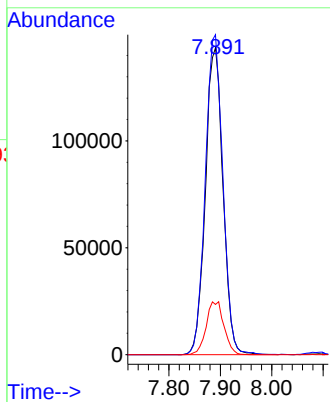
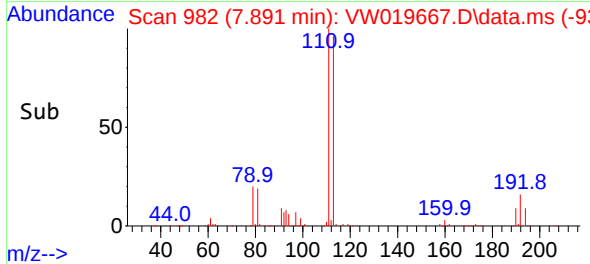
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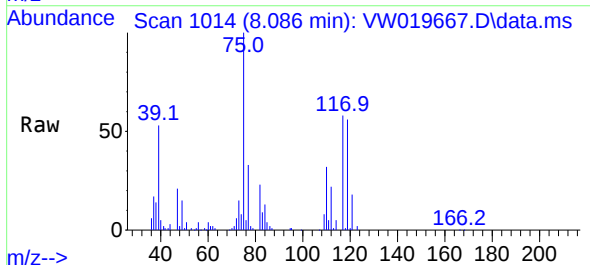
#35  
Dibromofluoromethane  
Concen: 49.044 ug/l  
RT: 7.891 min Scan# 982  
Delta R.T. 0.001 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



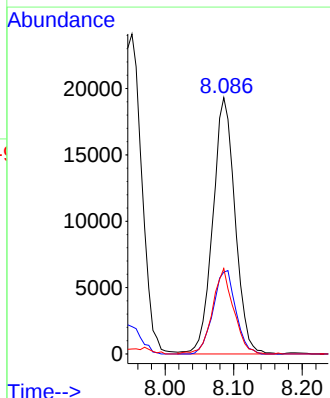
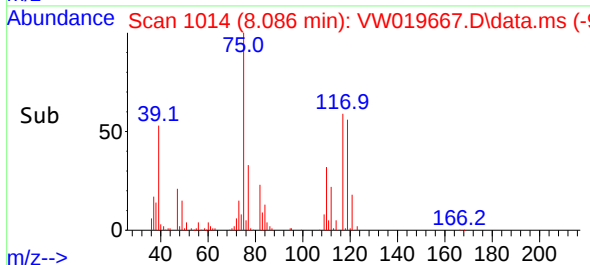
Tgt Ion: 113 Resp: 341307  
Ion Ratio Lower Upper  
113 100  
111 104.2 83.8 125.6  
192 17.5 15.4 23.2



#36  
1,1-Dichloropropene  
Concen: 4.214 ug/l  
RT: 8.086 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



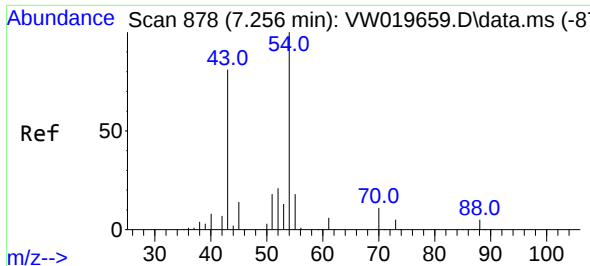
Tgt Ion: 75 Resp: 43479  
Ion Ratio Lower Upper  
75 100  
110 33.1 16.6 49.7  
77 31.6 25.1 37.7



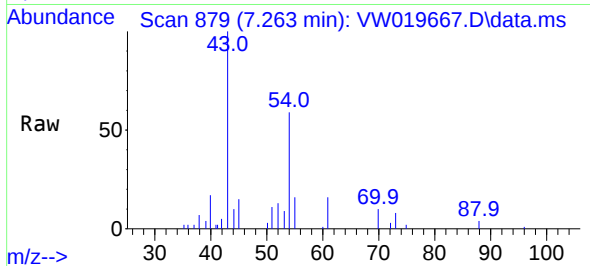
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

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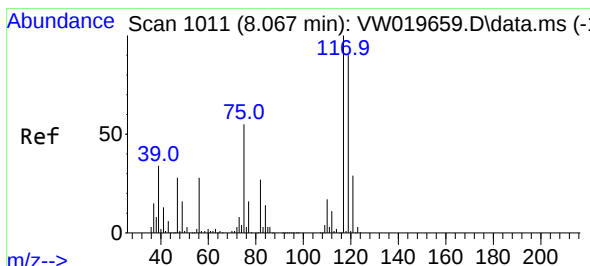
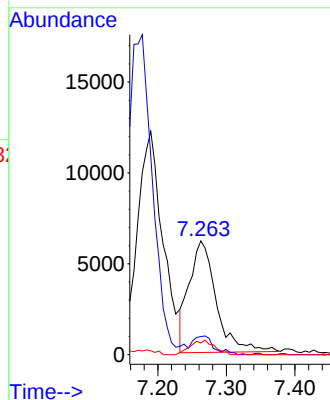
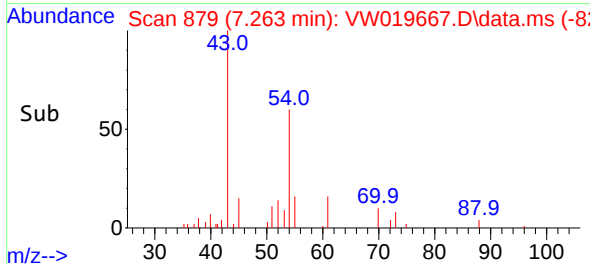
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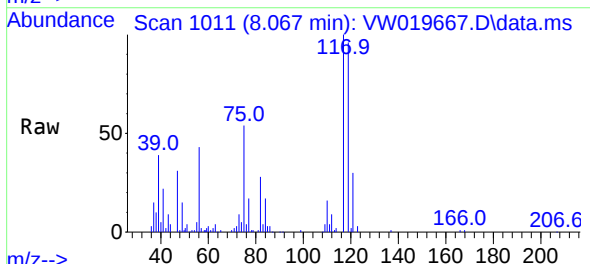
#37  
Ethyl Acetate  
Concen: 4.227 ug/l  
RT: 7.263 min Scan# 879  
Delta R.T. 0.013 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



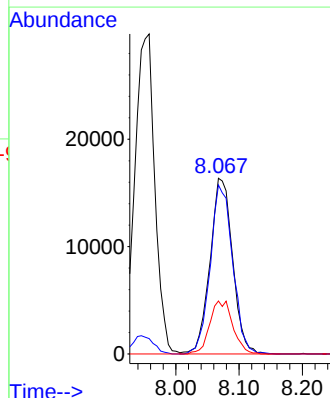
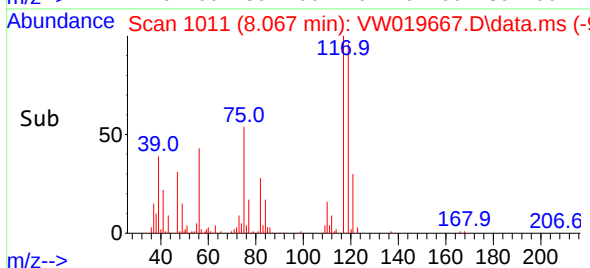
Tgt Ion: 43 Resp: 16915  
Ion Ratio Lower Upper  
43 100  
61 14.8 11.5 17.3  
70 11.5 9.4 14.0



#38  
Carbon Tetrachloride  
Concen: 4.246 ug/l  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



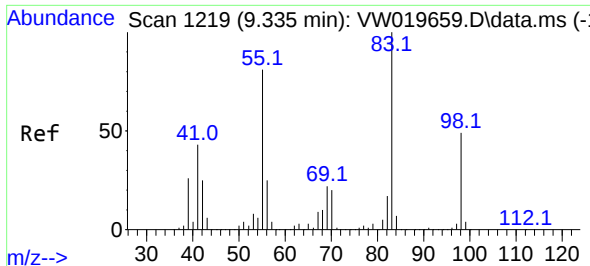
Tgt Ion: 117 Resp: 40585  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.7 115.1  
121 30.2 24.8 37.2



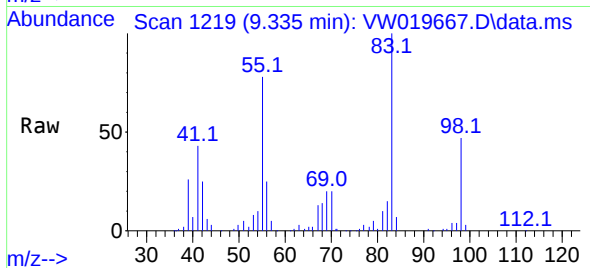
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations  
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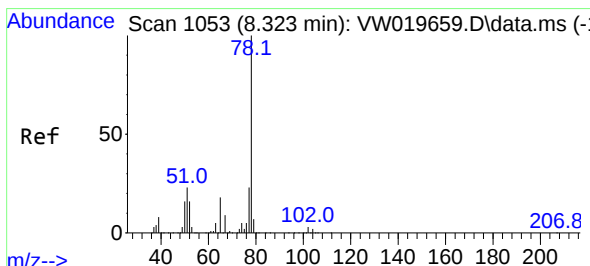
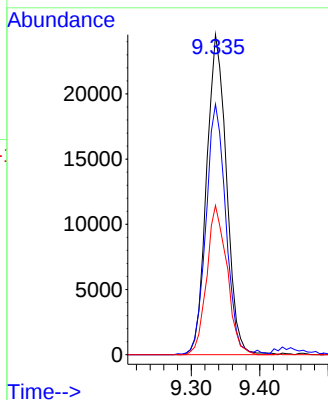
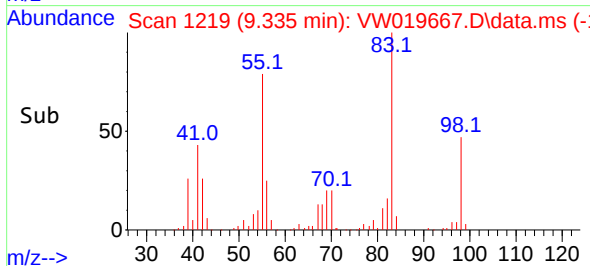
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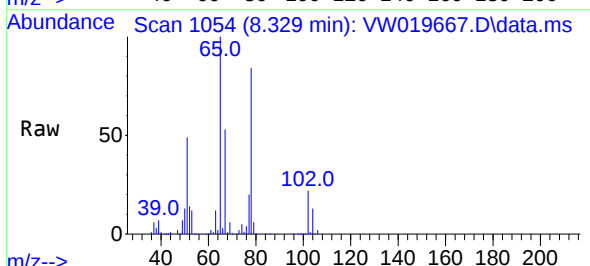
#39  
Methylcyclohexane  
Concen: 4.190 ug/l  
RT: 9.335 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



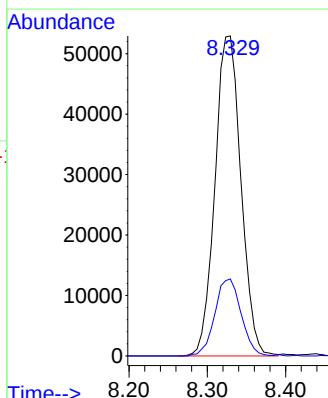
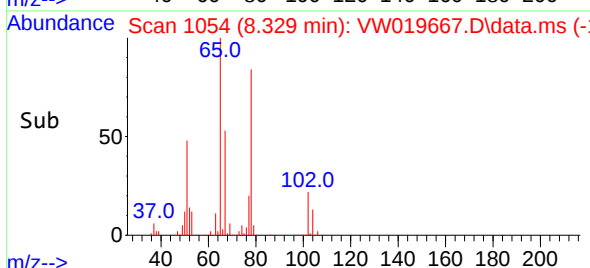
Tgt Ion: 83 Resp: 49654  
Ion Ratio Lower Upper  
83 100  
55 77.9 64.9 97.3  
98 46.6 38.1 57.1



#40  
Benzene  
Concen: 4.296 ug/l  
RT: 8.329 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



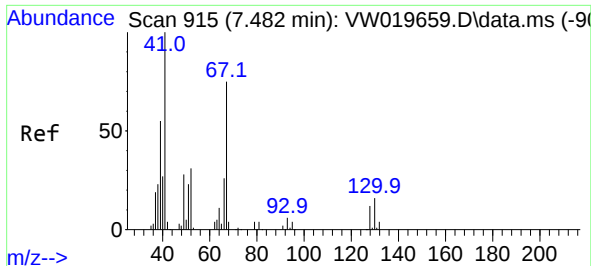
Tgt Ion: 78 Resp: 122078  
Ion Ratio Lower Upper  
78 100  
77 24.1 19.2 28.8



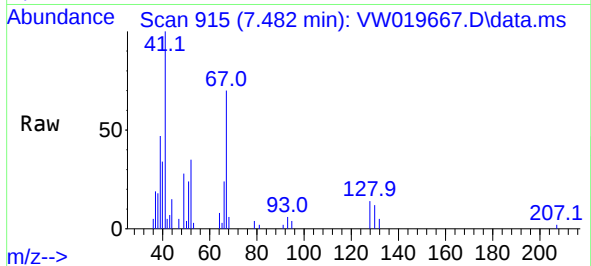
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

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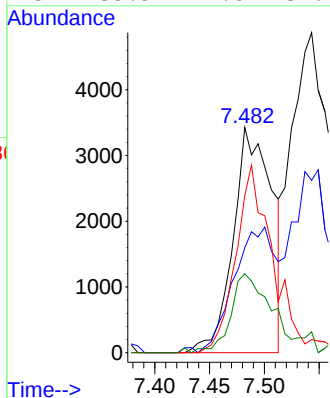
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#41  
Methacrylonitrile  
Concen: 3.727 ug/l  
RT: 7.482 min Scan# 915  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



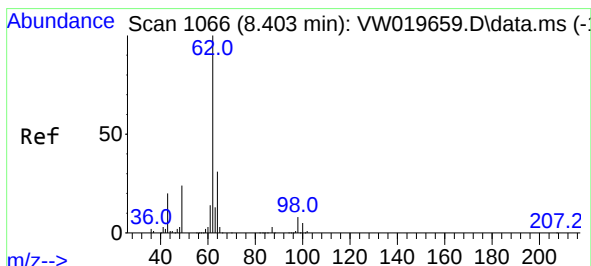
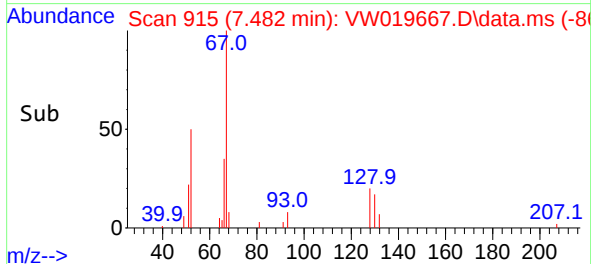
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 41    | Resp: | 8405 |
| Ion Ratio | Lower | Upper |      |
| 41        | 100   |       |      |
| 39        | 59.6  | 41.6  | 62.4 |
| 67        | 80.1  | 55.3  | 82.9 |
| 52        | 35.5  | 22.6  | 34.0 |



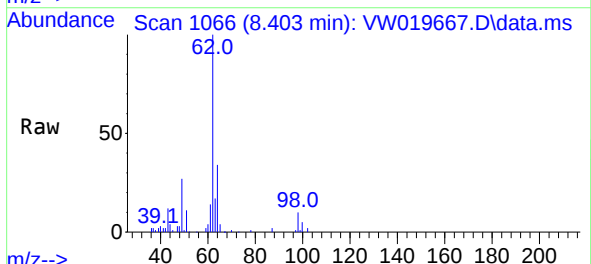
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations  
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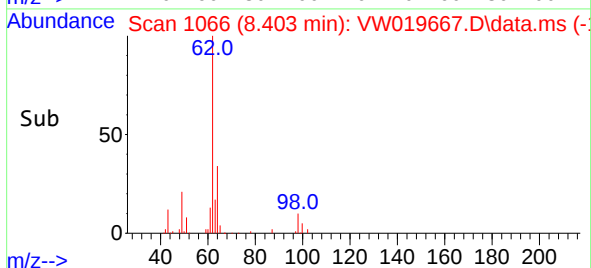
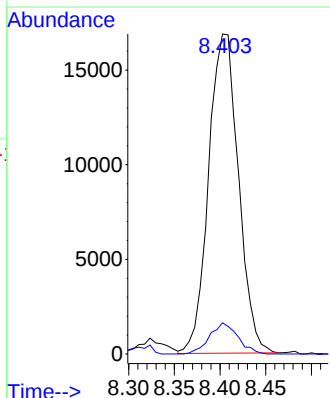
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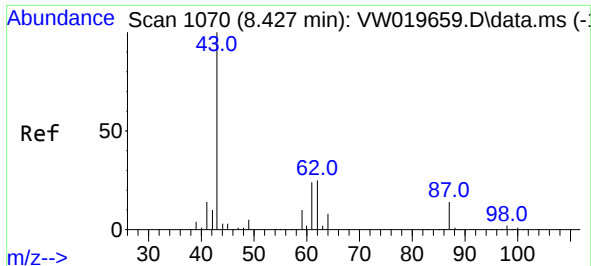


#42  
1,2-Dichloroethane  
Concen: 4.308 ug/l  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 62    | Resp: | 38317 |
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 9.2   | 0.0   | 18.4  |





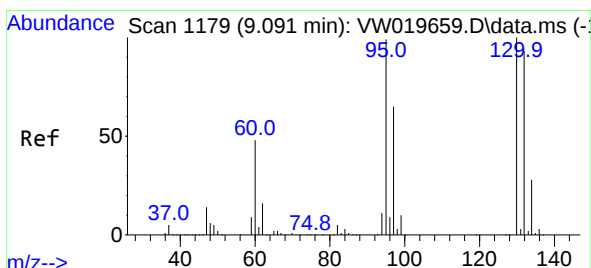
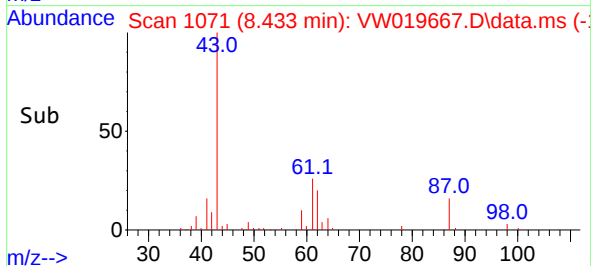
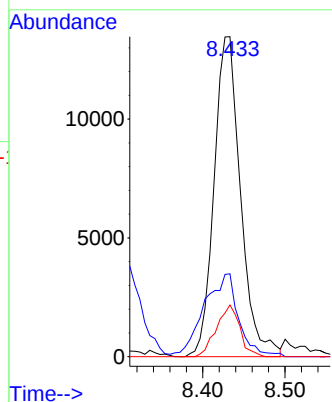
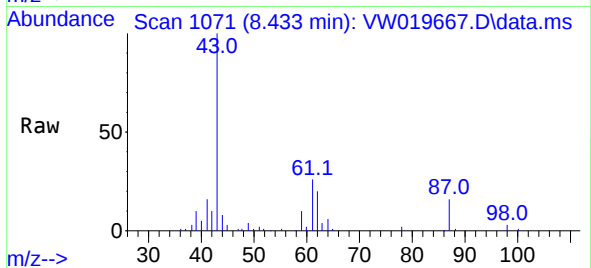
#43  
Isopropyl Acetate  
Concen: 3.972 ug/l  
RT: 8.433 min Scan# 1071  
Delta R.T. 0.006 min  
Lab File: VW019667.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 30152 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 33.8  | 26.2  | 39.4  |
| 87       | 14.2  | 11.0  | 16.6  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
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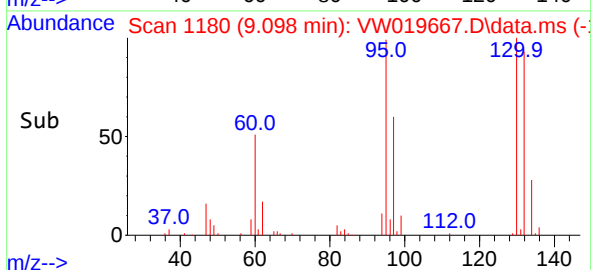
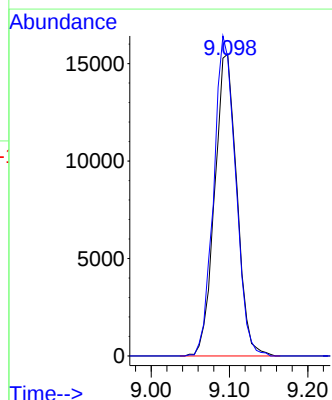
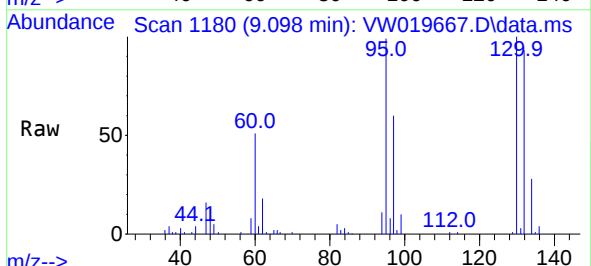
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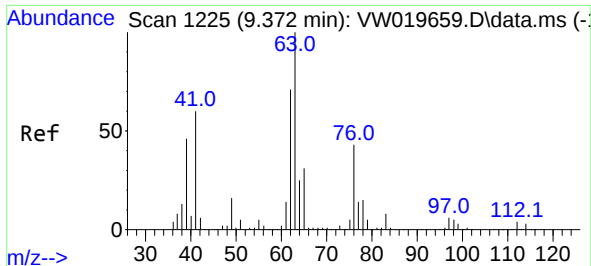
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#44  
Trichloroethene  
Concen: 4.176 ug/l  
RT: 9.098 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

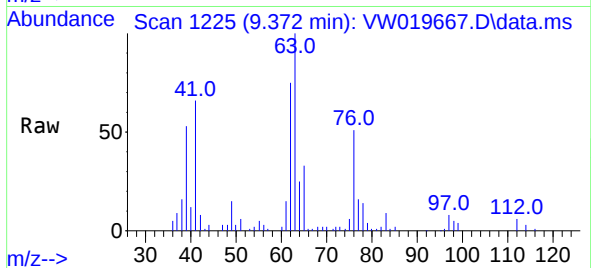
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 30526 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 99.0  | 0.0   | 194.6 |





#45  
1,2-Dichloropropane  
Concen: 3.920 ug/l  
RT: 9.372 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

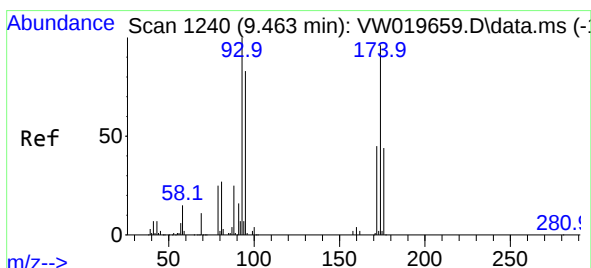
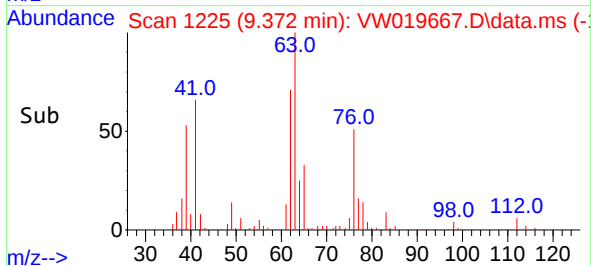
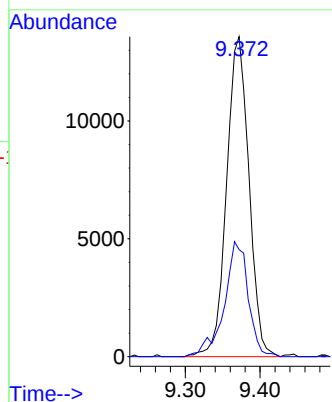
Instrument :  
MSVOA\_W  
ClientSampleId :  
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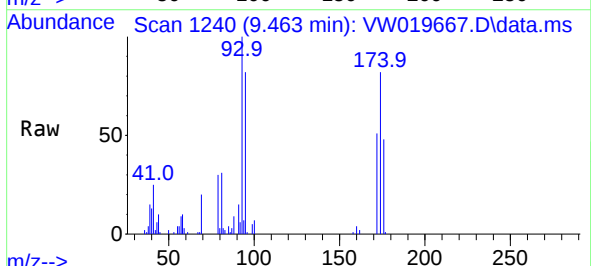
Tgt Ion: 63 Resp: 28209  
Ion Ratio Lower Upper  
63 100  
65 33.4 25.3 37.9

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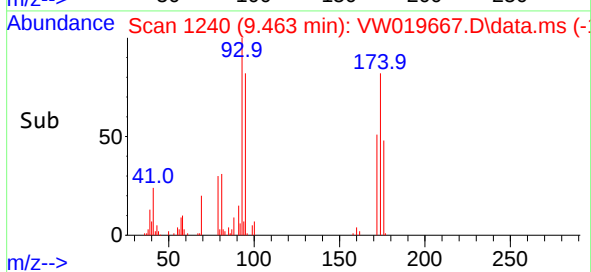
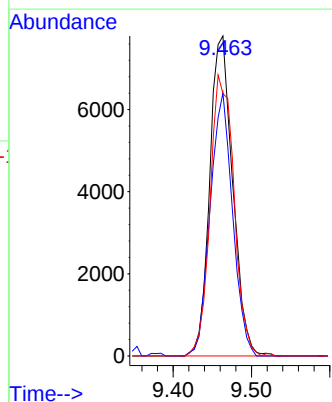
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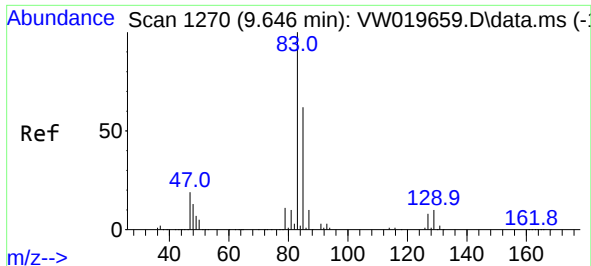


#46  
Dibromomethane  
Concen: 4.166 ug/l  
RT: 9.463 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

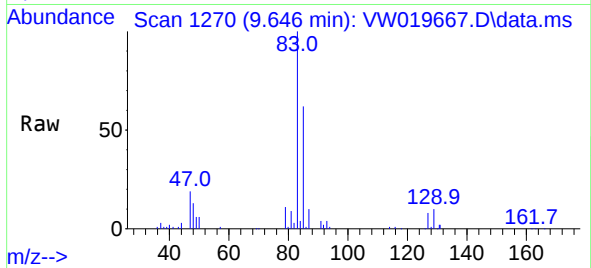


Tgt Ion: 93 Resp: 15855  
Ion Ratio Lower Upper  
93 100  
95 80.2 66.0 99.0  
174 91.1 75.0 112.6

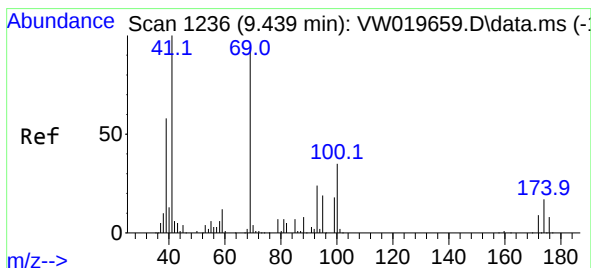
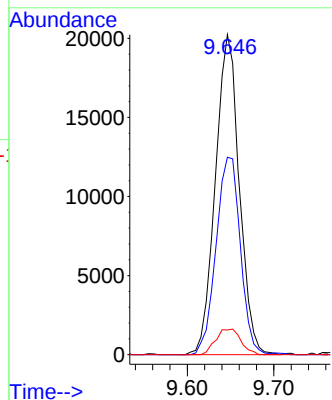
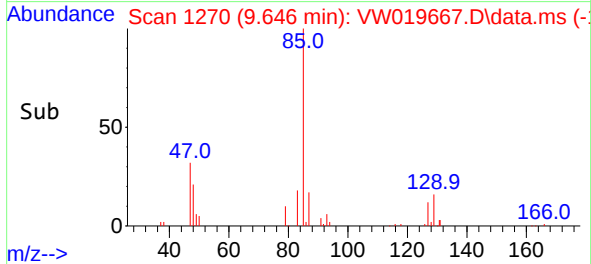




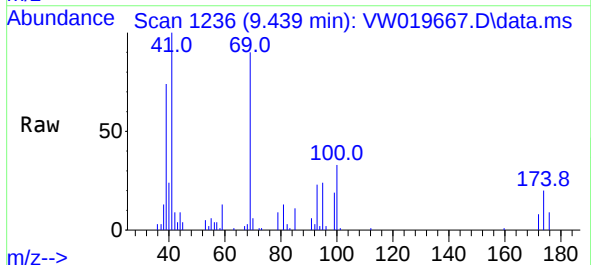
#47  
Bromodichloromethane  
Concen: 4.076 ug/l  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



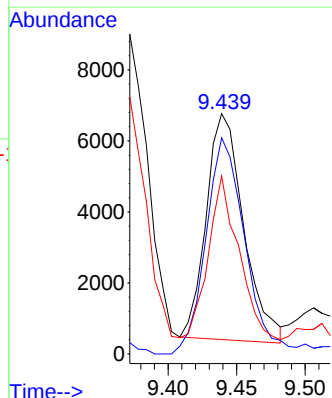
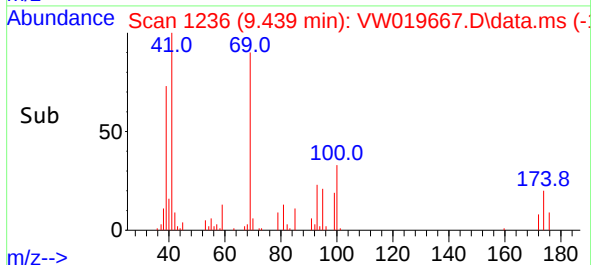
Tgt Ion: 83 Resp: 38744  
Ion Ratio Lower Upper  
83 100  
85 61.7 49.9 74.9  
127 7.7 6.2 9.4



#48  
Methyl methacrylate  
Concen: 3.582 ug/l  
RT: 9.439 min Scan# 1236  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



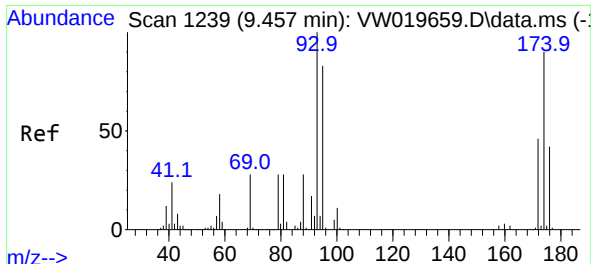
Tgt Ion: 41 Resp: 12082  
Ion Ratio Lower Upper  
41 100  
69 99.3 74.5 111.7  
39 67.5 41.1 61.7#



Instrument :  
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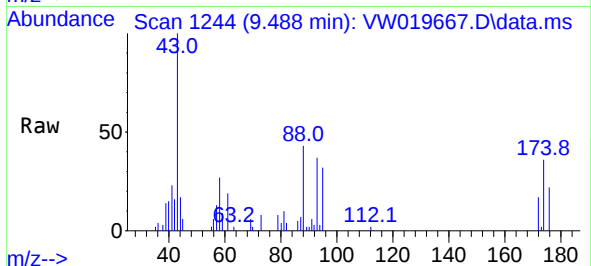
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#49  
1,4-Dioxane  
Concen: 82.579 ug/l  
RT: 9.488 min Scan# 1244  
Delta R.T. 0.043 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

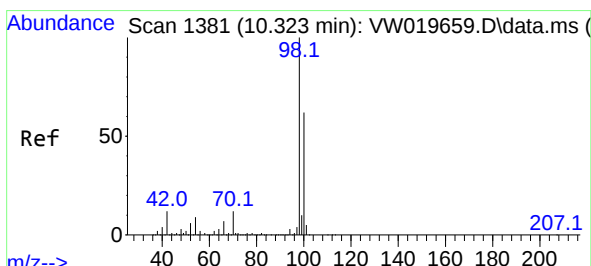
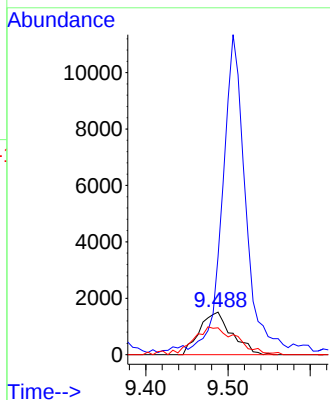
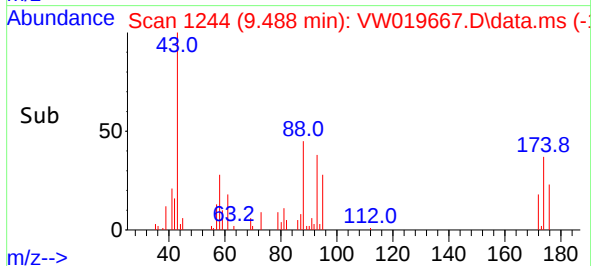
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



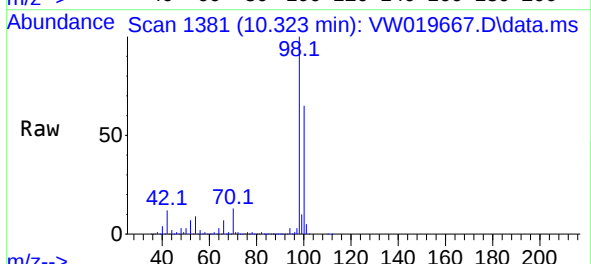
Tgt Ion: 88 Resp: 4091  
Ion Ratio Lower Upper  
88 100  
43 0.0 0.0 0.0  
58 87.4 61.8 92.6

Manual Integrations  
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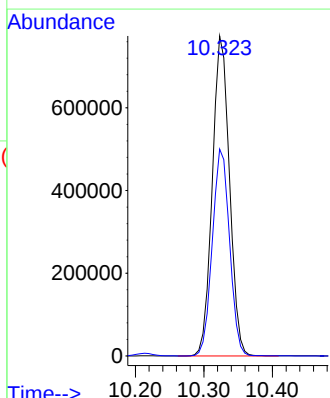
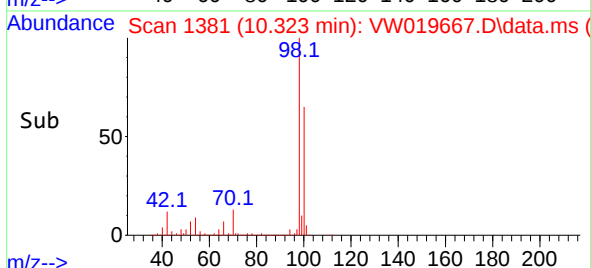
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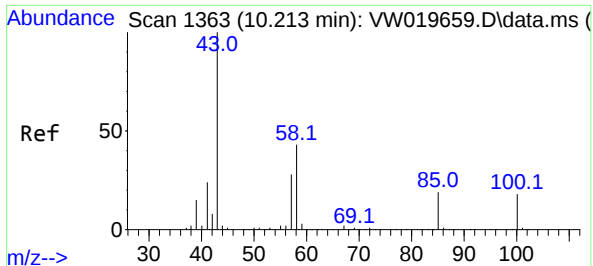


#50  
Toluene-d8  
Concen: 49.509 ug/l  
RT: 10.323 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



Tgt Ion: 98 Resp: 1346433  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.2 78.4





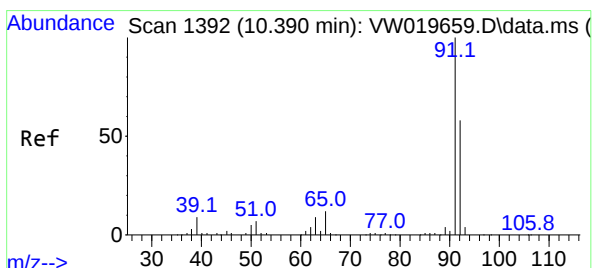
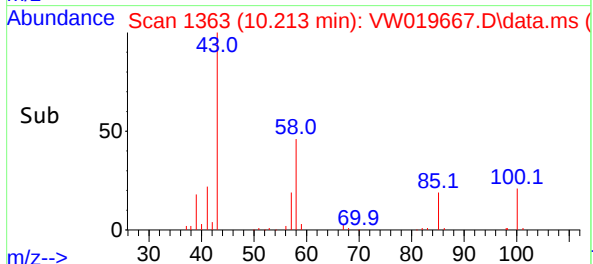
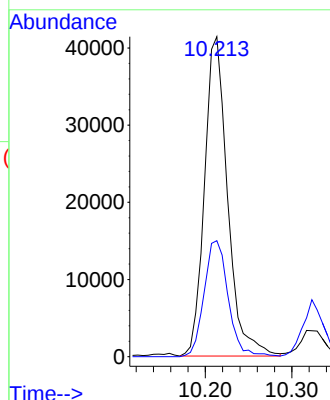
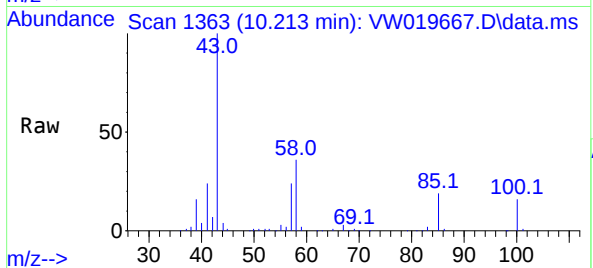
#51  
4-Methyl-2-Pentanone  
Concen: 19.328 ug/l  
RT: 10.213 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 43 Resp: 76753  
Ion Ratio Lower Upper  
43 100  
58 37.9 33.4 50.0

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

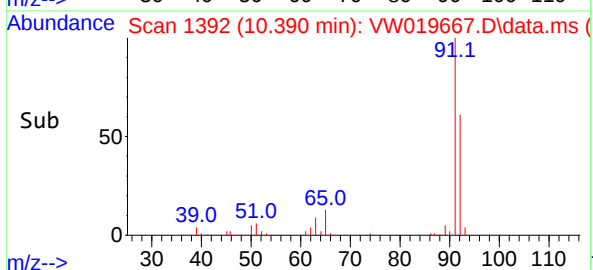
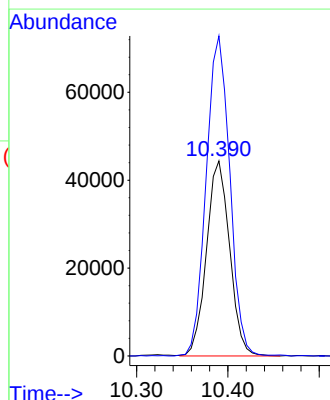
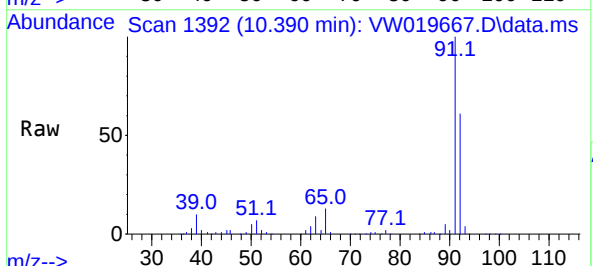
Manual Integrations  
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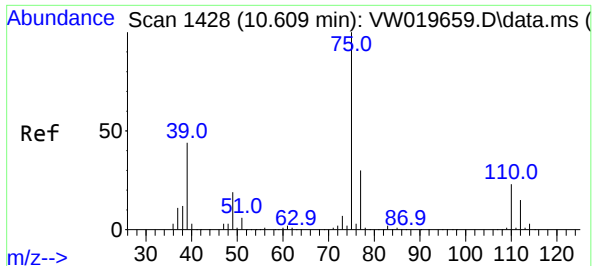
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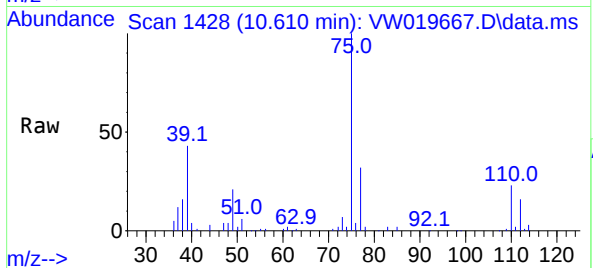
#52  
Toluene  
Concen: 4.355 ug/l  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 92 Resp: 77966  
Ion Ratio Lower Upper  
92 100  
91 167.2 139.3 208.9

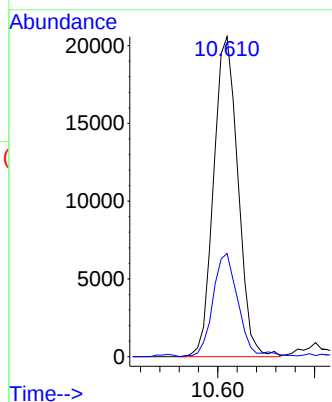




#53  
t-1,3-Dichloropropene  
Concen: 3.865 ug/l  
RT: 10.610 min Scan# 1428  
Delta R.T. 0.001 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



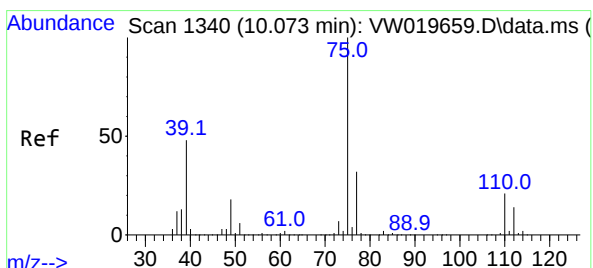
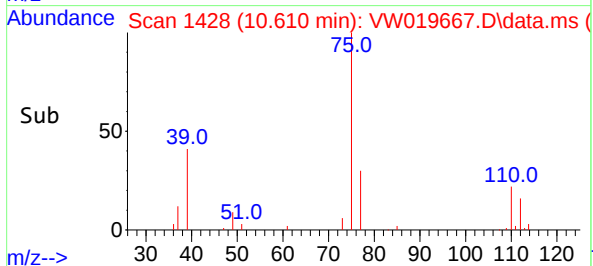
Tgt Ion: 75 Resp: 35873  
Ion Ratio Lower Upper  
75 100  
77 32.2 24.9 37.3



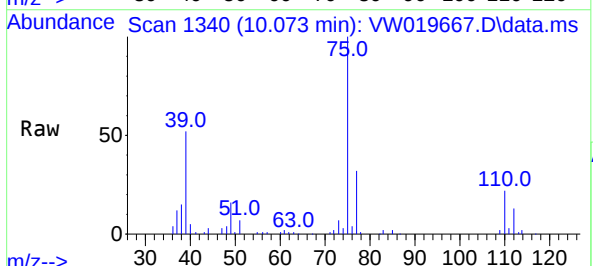
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations  
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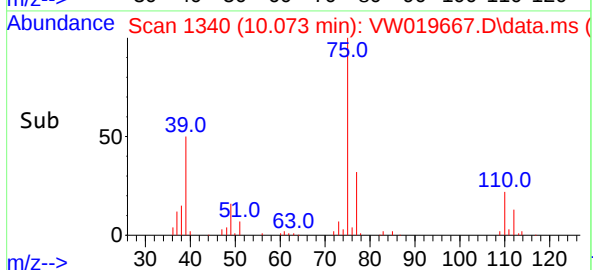
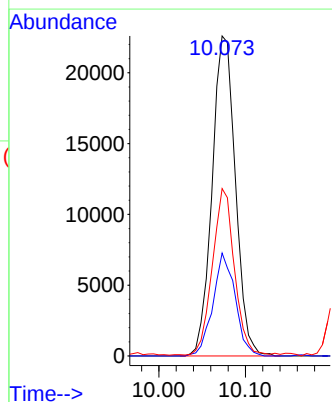
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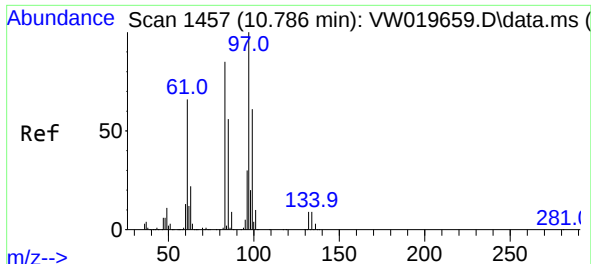


#54  
cis-1,3-Dichloropropene  
Concen: 3.894 ug/l  
RT: 10.073 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



Tgt Ion: 75 Resp: 42257  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.4 38.0  
39 51.9 35.3 52.9





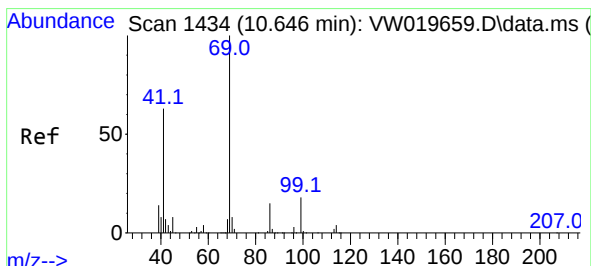
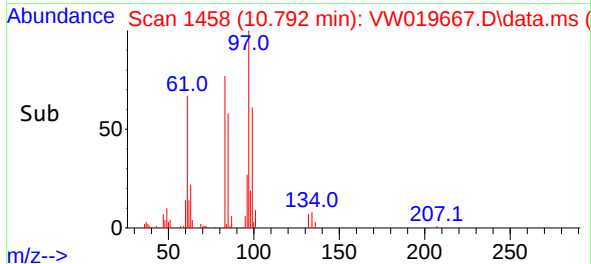
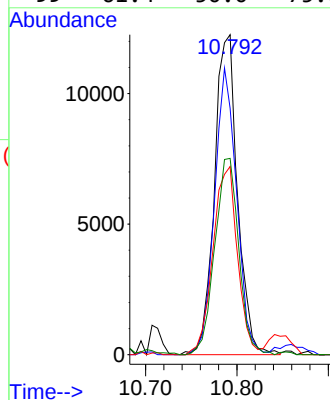
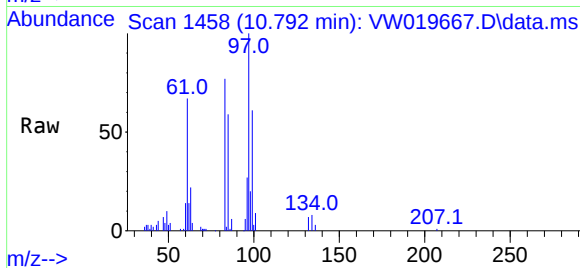
#55  
1,1,2-Trichloroethane  
Concen: 4.056 ug/l  
RT: 10.792 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 21577 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 77.0  | 69.4  | 104.2 |
| 85       | 58.8  | 43.3  | 64.9  |
| 99       | 61.4  | 50.0  | 75.0  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

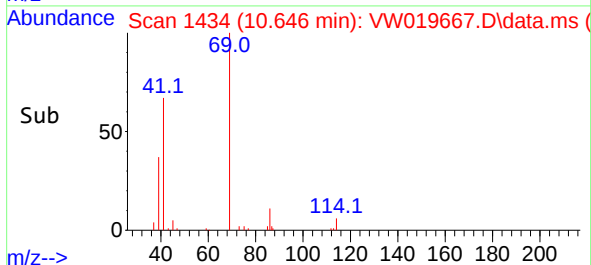
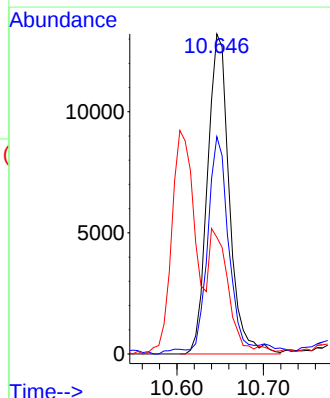
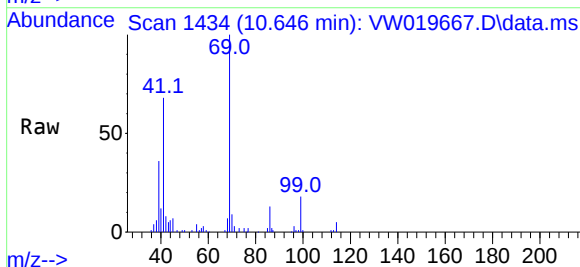
Manual Integrations  
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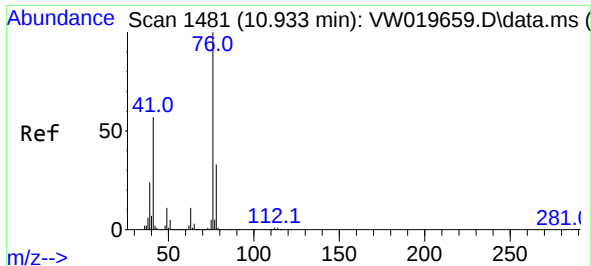
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#56  
Ethyl methacrylate  
Concen: 3.615 ug/l  
RT: 10.646 min Scan# 1434  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 23129 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.8  | 51.0  | 76.6  |
| 39       | 30.2  | 23.9  | 35.9  |





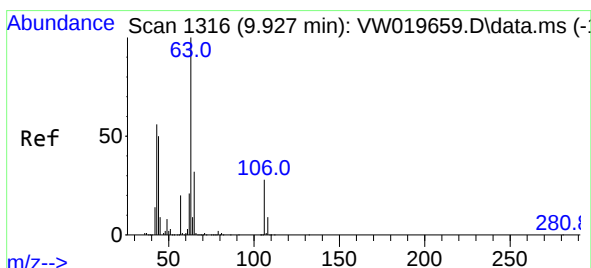
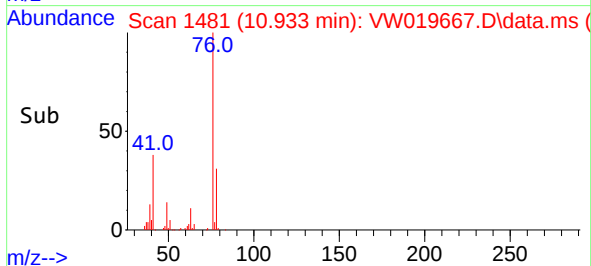
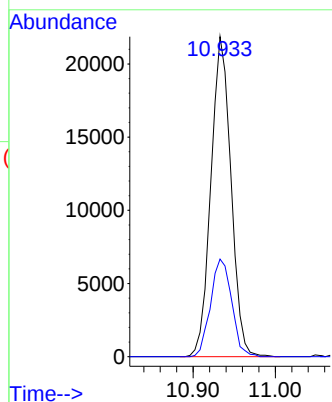
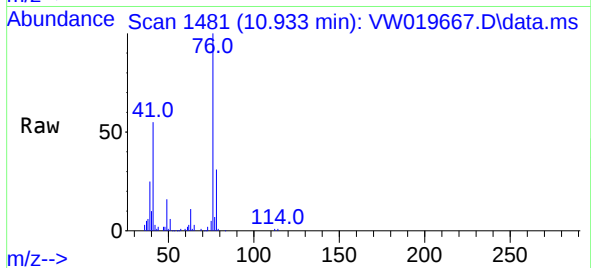
#57  
1,3-Dichloropropane  
Concen: 3.943 ug/l  
RT: 10.933 min Scan# 1481  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 76 Resp: 37051  
Ion Ratio Lower Upper  
76 100  
78 32.2 25.6 38.4

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

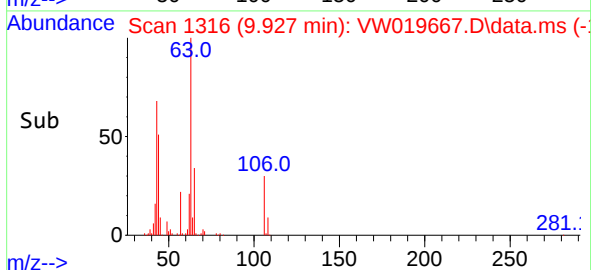
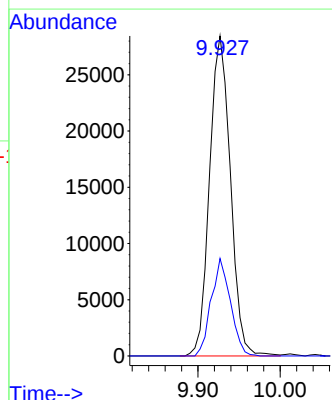
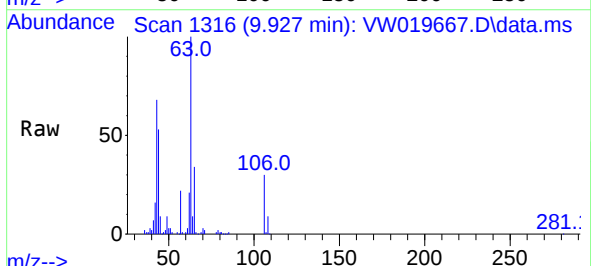
Manual Integrations  
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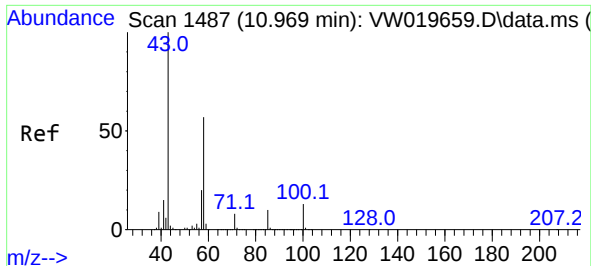
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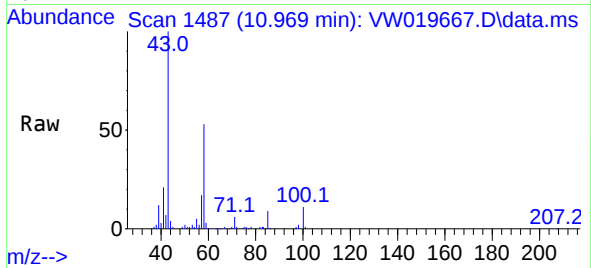
#58  
2-Chloroethyl Vinyl ether  
Concen: 16.902 ug/l  
RT: 9.927 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 63 Resp: 50234  
Ion Ratio Lower Upper  
63 100  
106 28.1 22.6 33.8

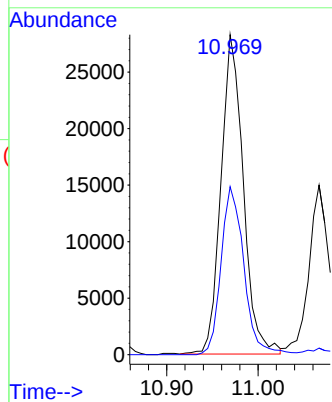
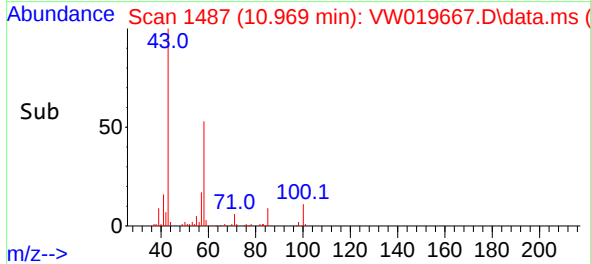




#59  
2-Hexanone  
Concen: 17.922 ug/l  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



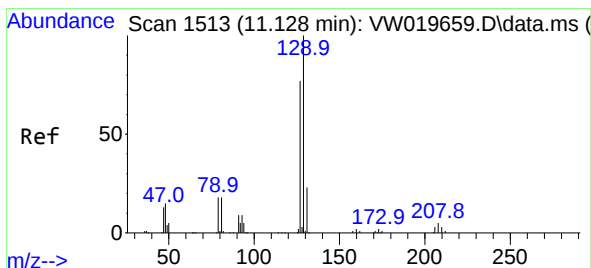
Tgt Ion: 43 Resp: 47987  
Ion Ratio Lower Upper  
43 100  
58 53.8 29.3 87.8



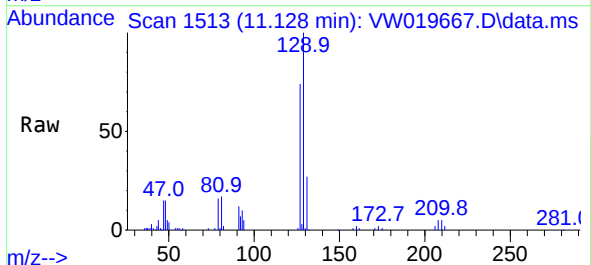
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

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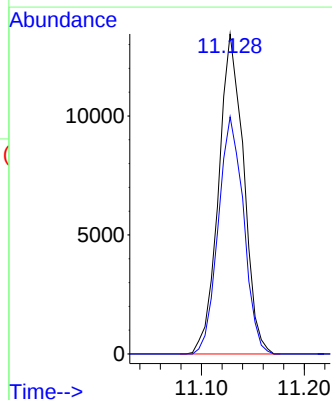
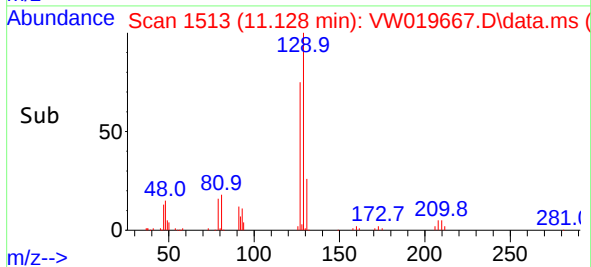
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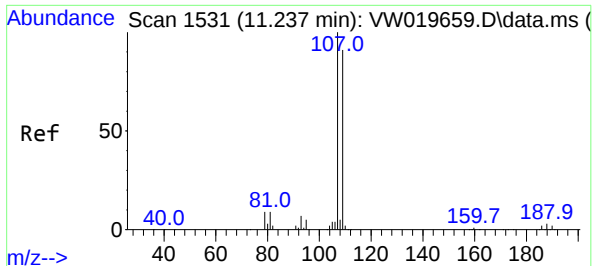


#60  
Dibromochloromethane  
Concen: 3.931 ug/l  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



Tgt Ion: 129 Resp: 22747  
Ion Ratio Lower Upper  
129 100  
127 74.8 39.8 119.4





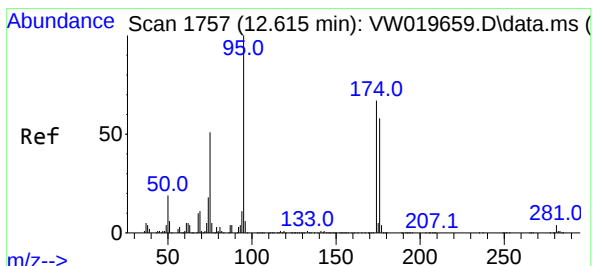
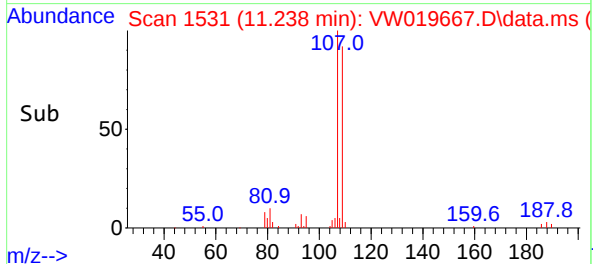
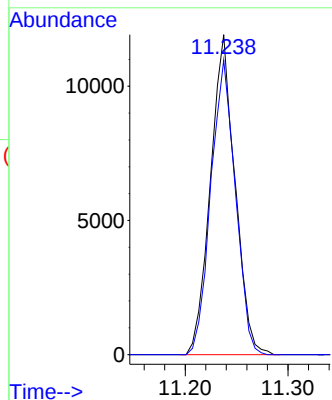
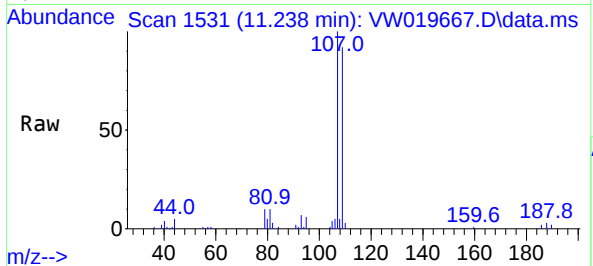
#61  
1,2-Dibromoethane  
Concen: 3.989 ug/l  
RT: 11.238 min Scan# 1531  
Delta R.T. 0.001 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Tgt Ion:107 Resp: 19790  
Ion Ratio Lower Upper  
107 100  
109 91.8 76.6 114.8

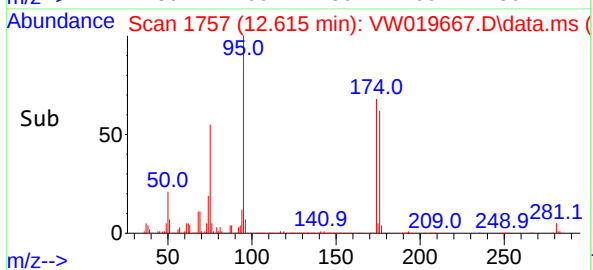
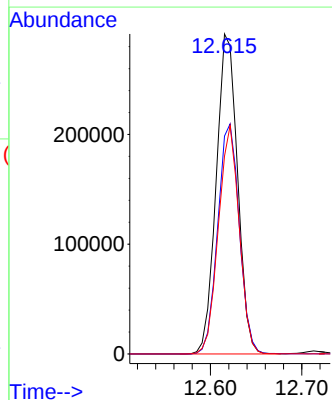
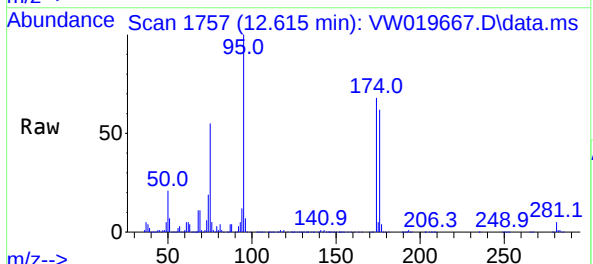
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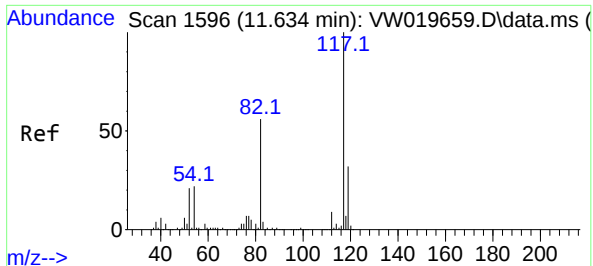
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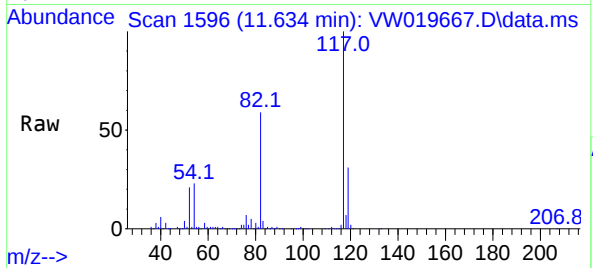
#62  
4-Bromofluorobenzene  
Concen: 48.749 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. -0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 95 Resp: 473037  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 146.6  
176 69.6 0.0 136.8

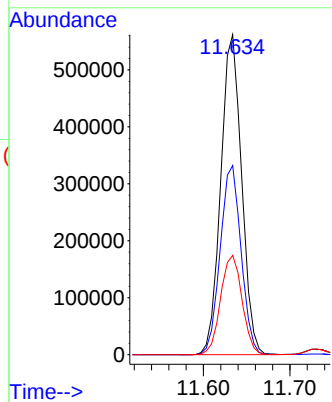
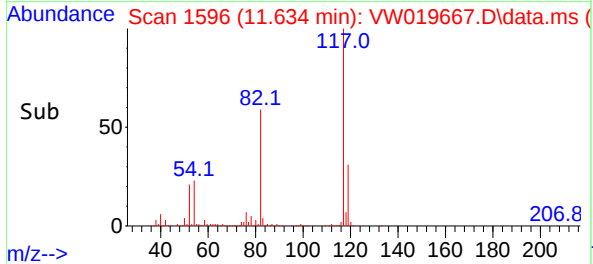




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.634 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



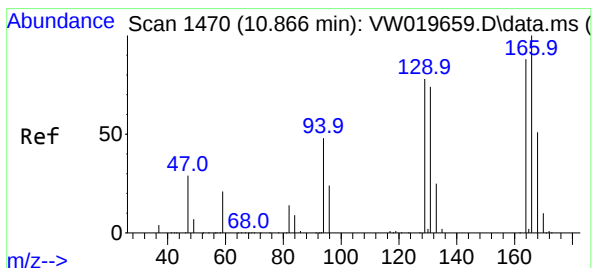
Tgt Ion:117 Resp: 938957  
Ion Ratio Lower Upper  
117 100  
82 59.1 47.4 71.0  
119 31.0 26.6 39.8



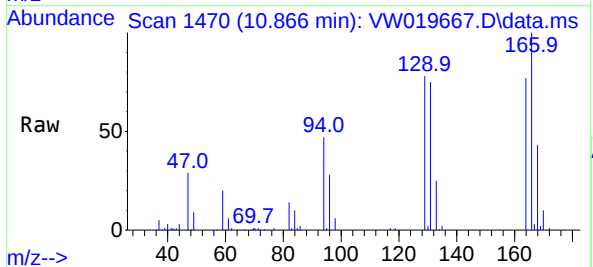
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MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations  
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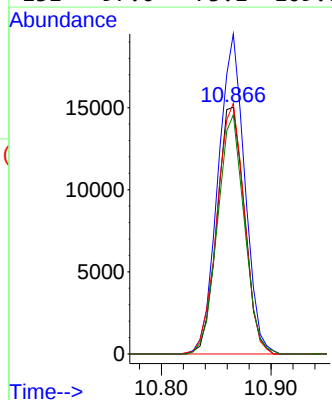
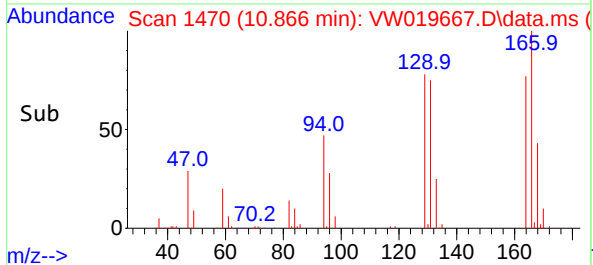
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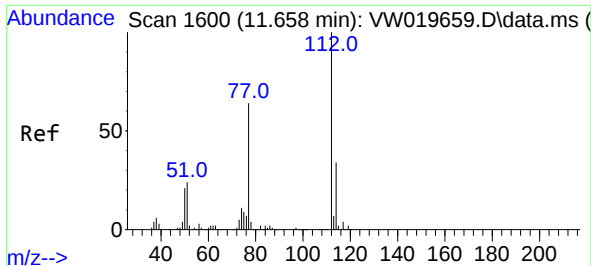


#64  
Tetrachloroethene  
Concen: 4.479 ug/l  
RT: 10.866 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

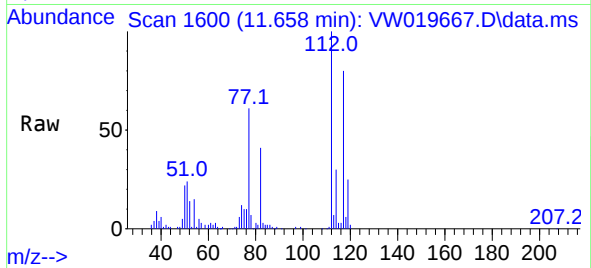


Tgt Ion:164 Resp: 26104  
Ion Ratio Lower Upper  
164 100  
166 129.7 98.5 147.7  
129 101.6 76.3 114.5  
131 97.0 73.1 109.7

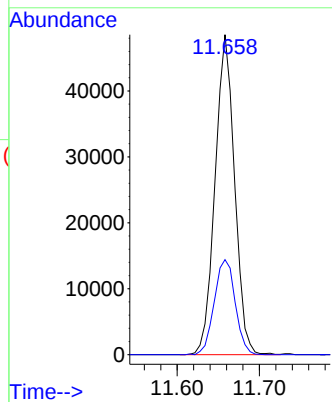
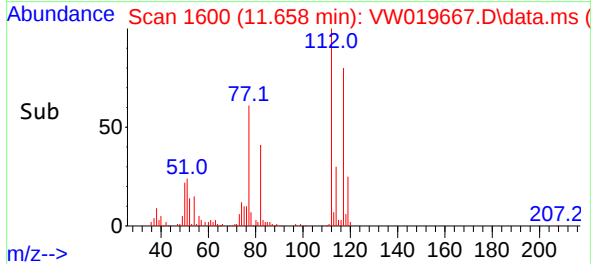




#65  
Chlorobenzene  
Concen: 4.295 ug/l  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



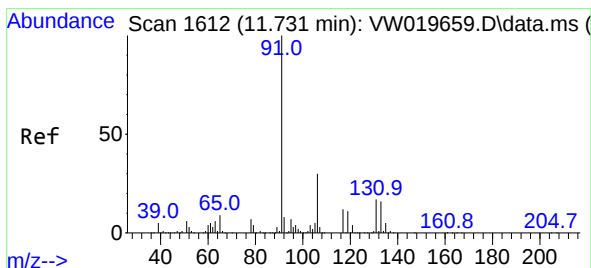
Tgt Ion:112 Resp: 80024  
Ion Ratio Lower Upper  
112 100  
114 29.7 25.6 38.4



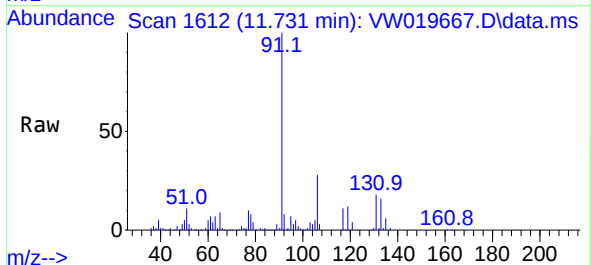
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

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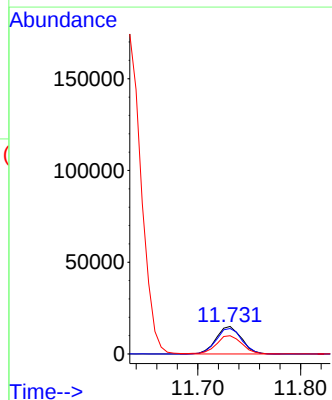
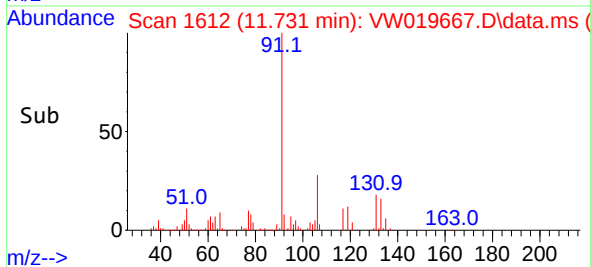
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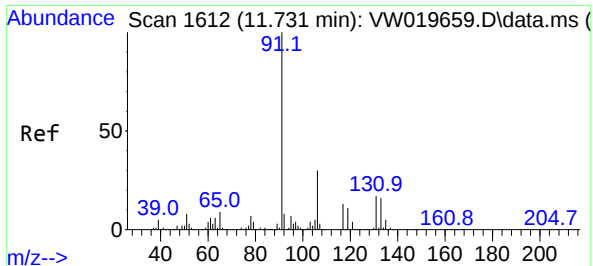


#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.029 ug/l  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



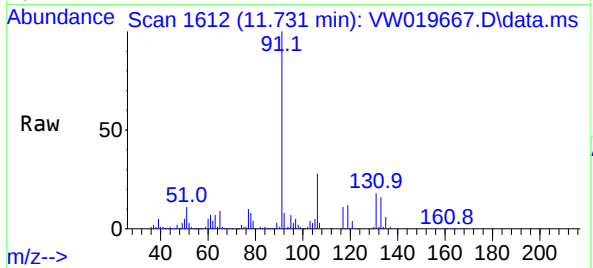
Tgt Ion:131 Resp: 25710  
Ion Ratio Lower Upper  
131 100  
133 94.1 46.8 140.3  
119 67.2 32.9 98.6





#67  
Ethyl Benzene  
Concen: 4.080 ug/l  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

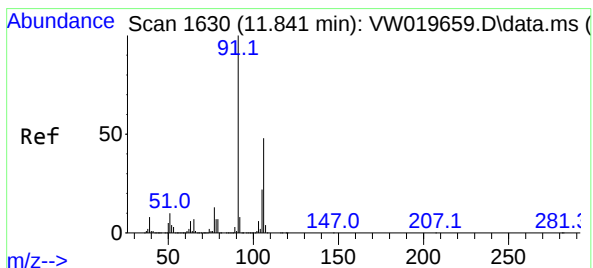
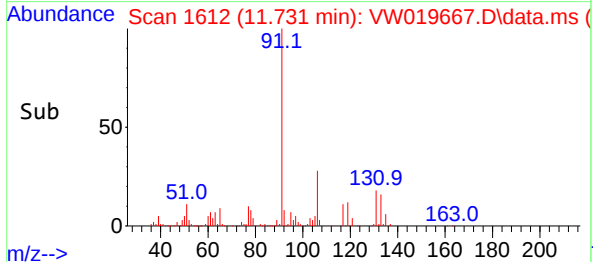
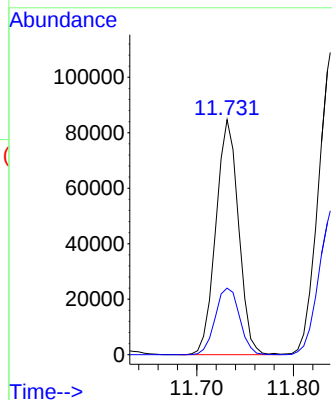
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



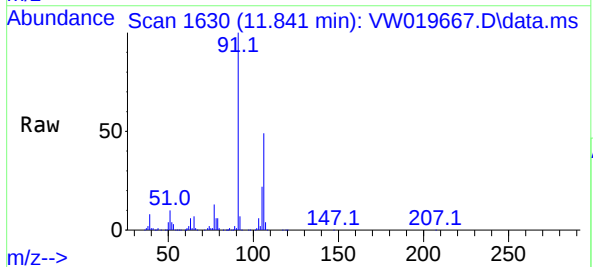
Tgt Ion: 91 Resp: 137834  
Ion Ratio Lower Upper  
91 100  
106 28.3 24.8 37.2

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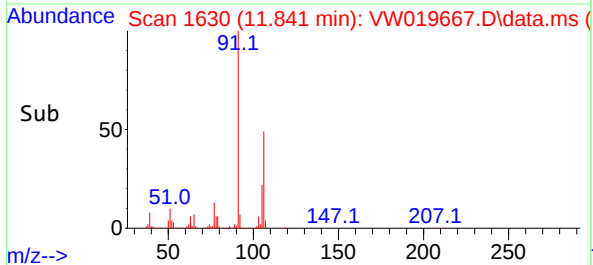
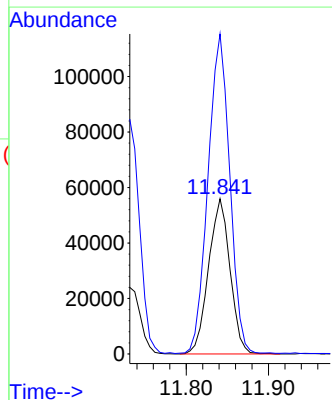
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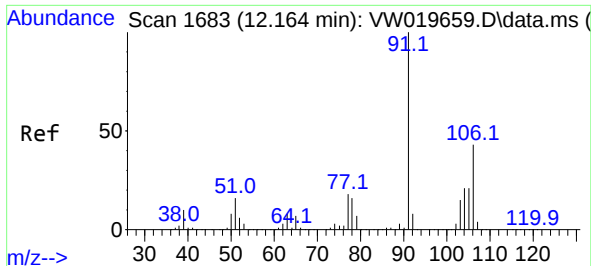


#68  
m/p-Xylenes  
Concen: 7.860 ug/l  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



Tgt Ion: 106 Resp: 101438  
Ion Ratio Lower Upper  
106 100  
91 208.3 164.3 246.5





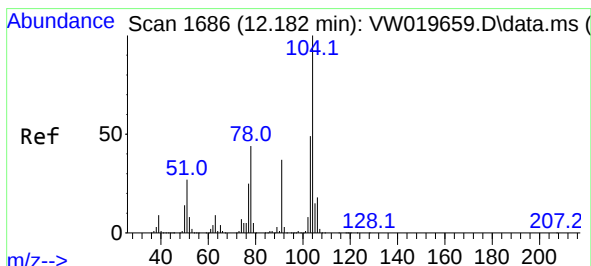
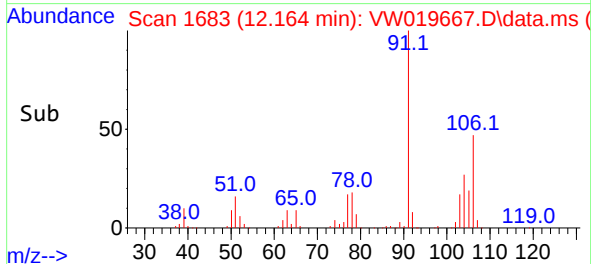
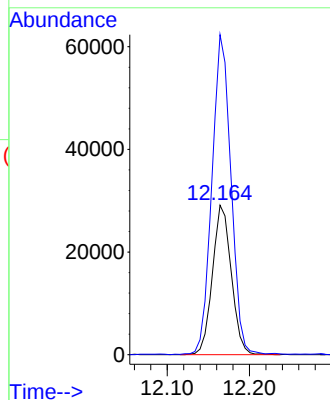
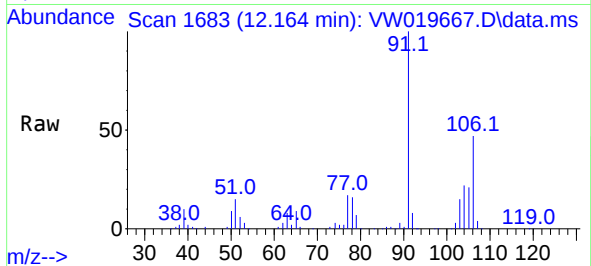
#69  
o-Xylene  
Concen: 3.880 ug/l  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion:106 Resp: 46389  
Ion Ratio Lower Upper  
106 100  
91 217.2 106.5 319.6

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

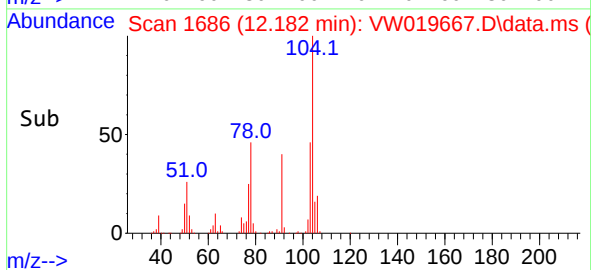
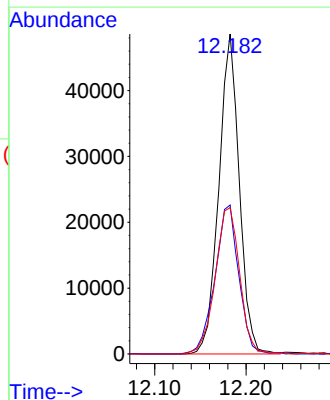
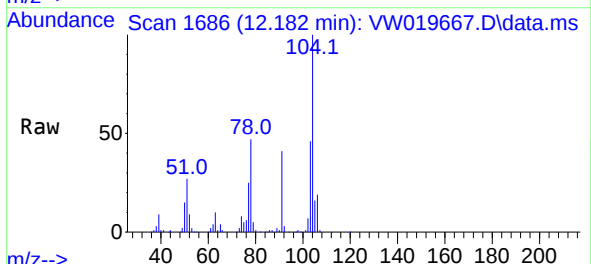
Manual Integrations  
APPROVED

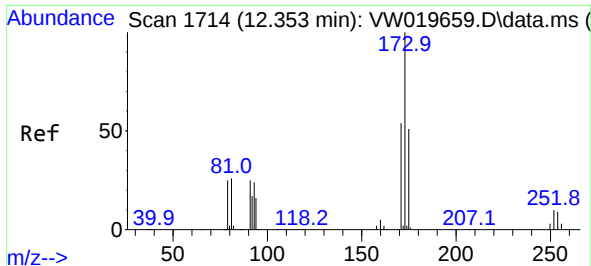
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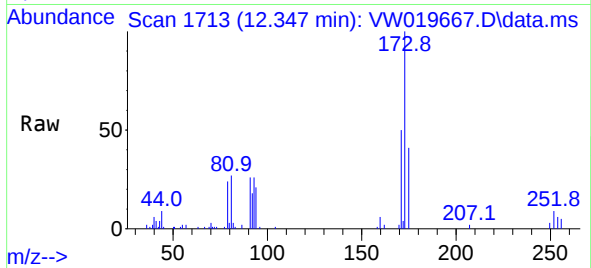
#70  
Styrene  
Concen: 3.743 ug/l  
RT: 12.182 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion:104 Resp: 75635  
Ion Ratio Lower Upper  
104 100  
78 54.2 41.4 62.0  
103 54.6 43.3 64.9

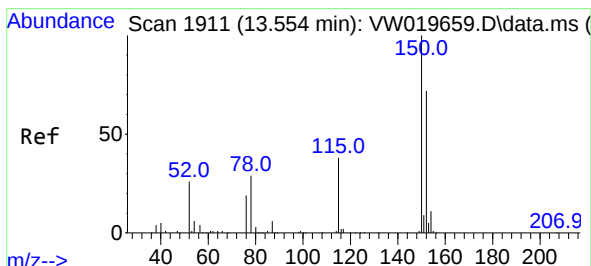
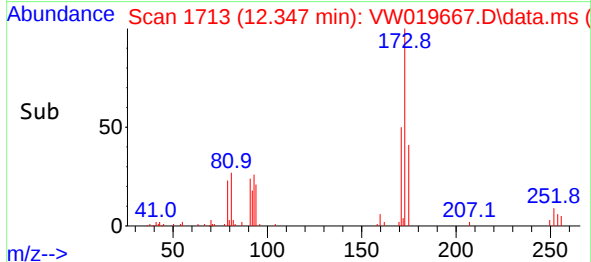
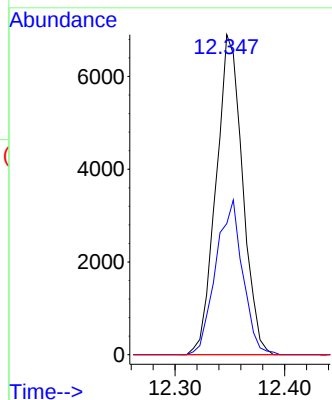




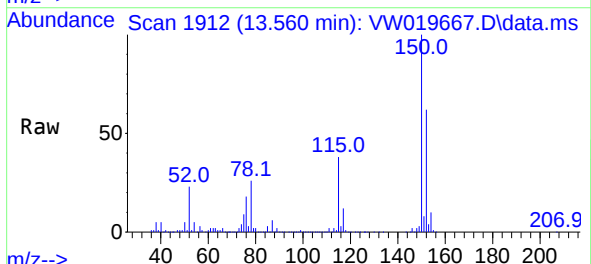
#71  
Bromoform  
Concen: 3.775 ug/l  
RT: 12.347 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



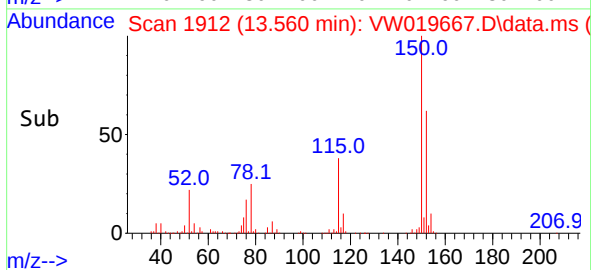
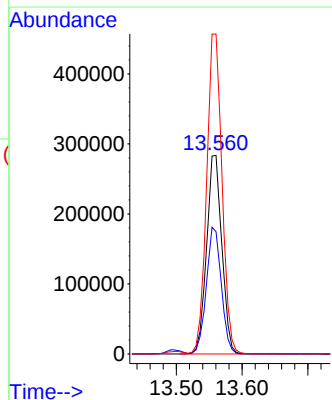
Tgt Ion:173 Resp: 11571  
Ion Ratio Lower Upper  
173 100  
175 49.2 21.9 65.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.560 min Scan# 1912  
Delta R.T. 0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



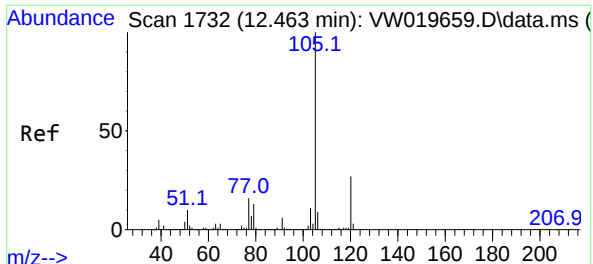
Tgt Ion:152 Resp: 457430  
Ion Ratio Lower Upper  
152 100  
115 62.4 30.6 91.8  
150 161.8 0.0 342.4



Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

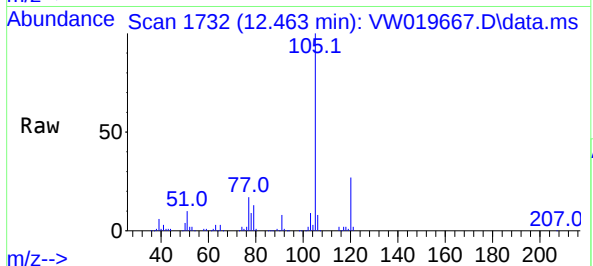
Manual Integrations  
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#73  
Isopropylbenzene  
Concen: 3.912 ug/l  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

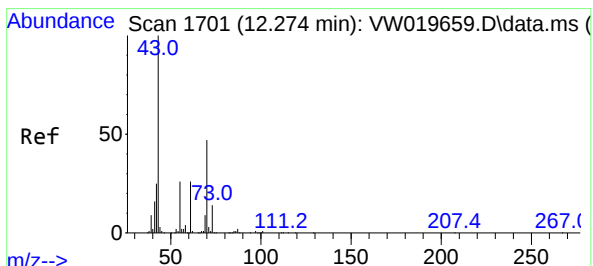
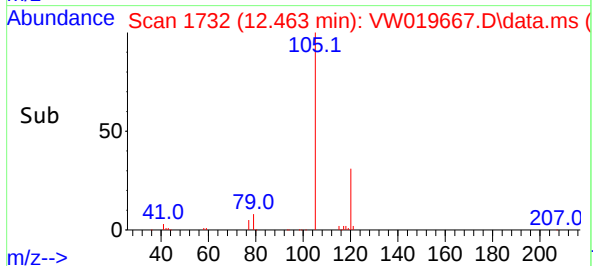
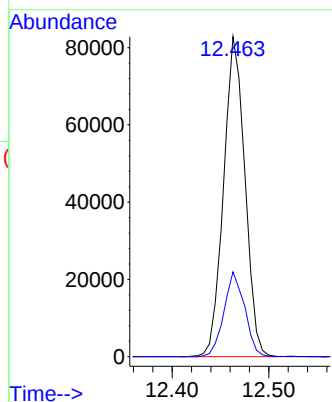
Instrument :  
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ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



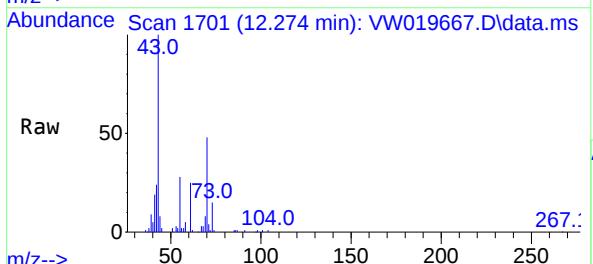
Tgt Ion:105 Resp: 126691  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.0 39.0

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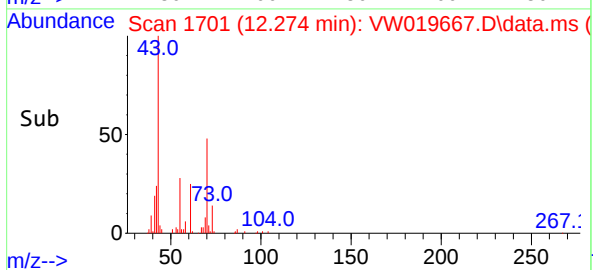
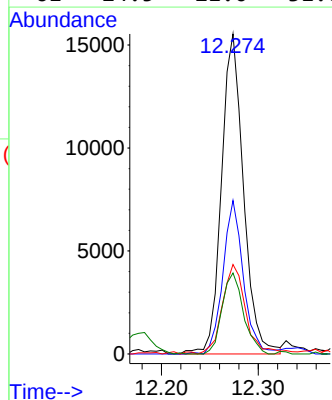
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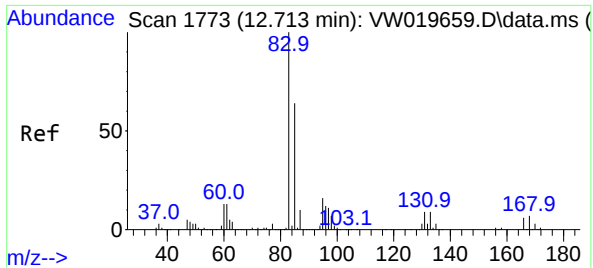


#74  
N-ethyl acetate  
Concen: 3.614 ug/l  
RT: 12.274 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



Tgt Ion: 43 Resp: 24621  
Ion Ratio Lower Upper  
43 100  
70 44.5 37.0 55.4  
55 30.0 21.3 31.9  
61 24.5 21.0 31.6





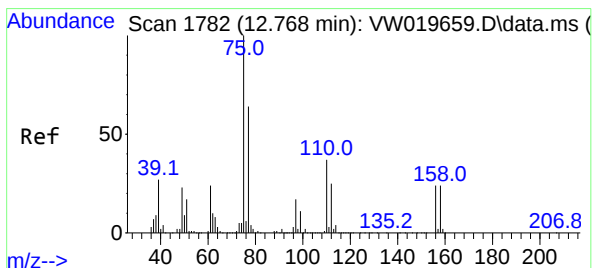
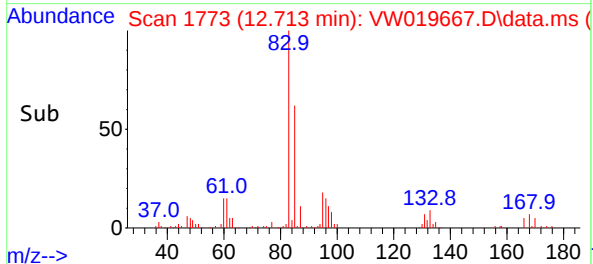
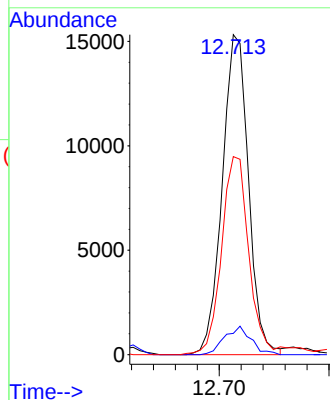
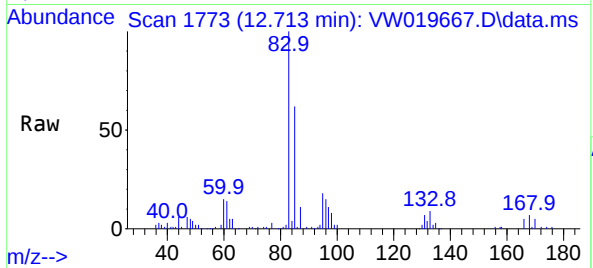
#75  
1,1,2,2-Tetrachloroethane  
Concen: 4.279 ug/l  
RT: 12.713 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion: 83 Resp: 25453  
Ion Ratio Lower Upper  
83 100  
131 9.0 5.1 15.4  
85 64.7 31.8 95.4

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

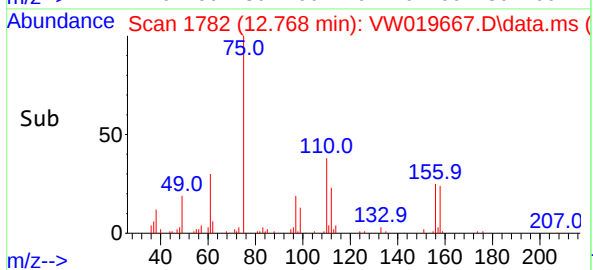
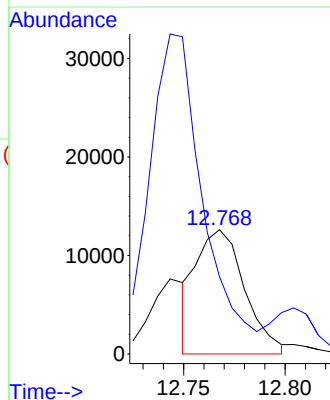
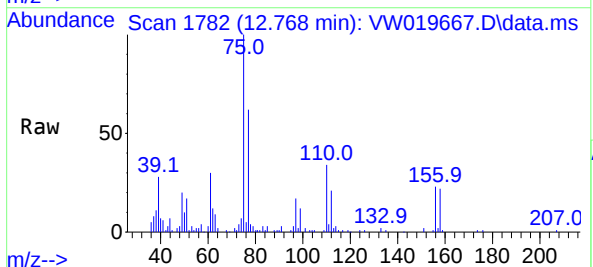
Manual Integrations  
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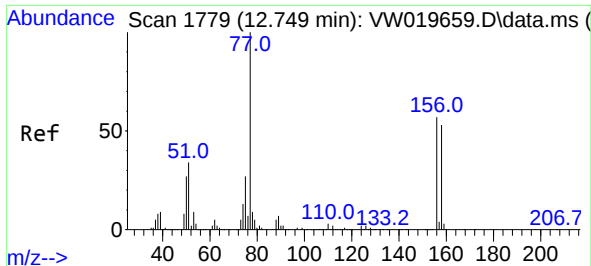
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#76  
1,2,3-Trichloropropane  
Concen: 4.800 ug/l m  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

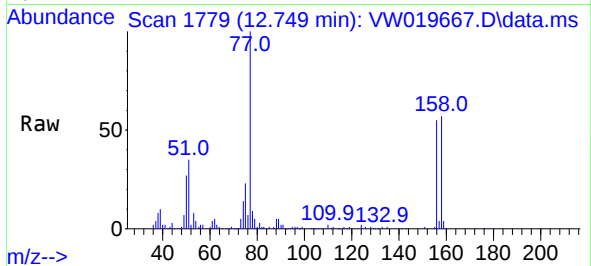
Tgt Ion: 75 Resp: 20902  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77  
Bromobenzene  
Concen: 4.116 ug/l  
RT: 12.749 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

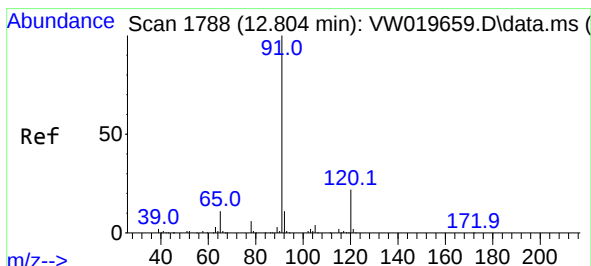
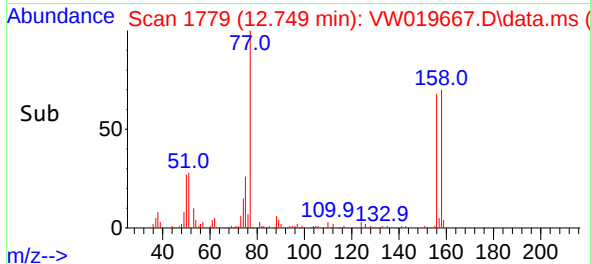
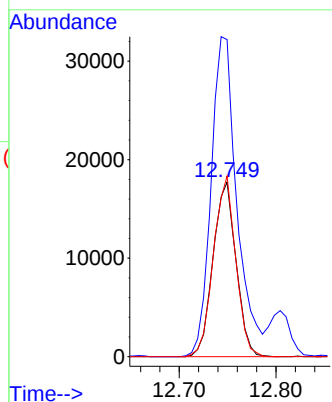
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



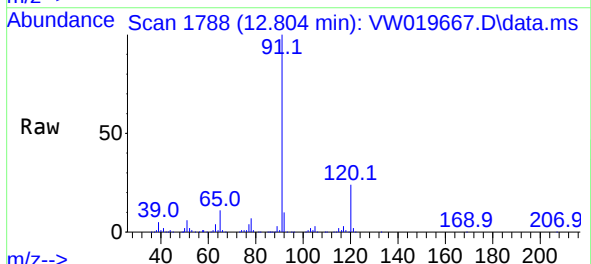
Tgt Ion:156 Resp: 29259  
Ion Ratio Lower Upper  
156 100  
77 205.7 102.6 307.9  
158 100.3 47.1 141.4

Manual Integrations  
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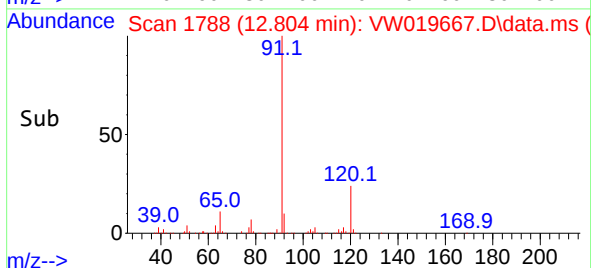
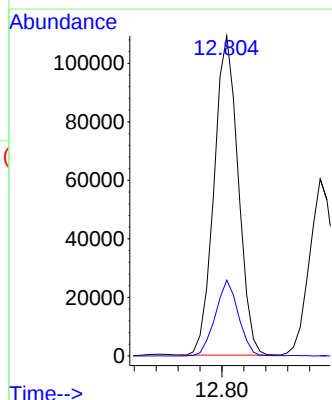
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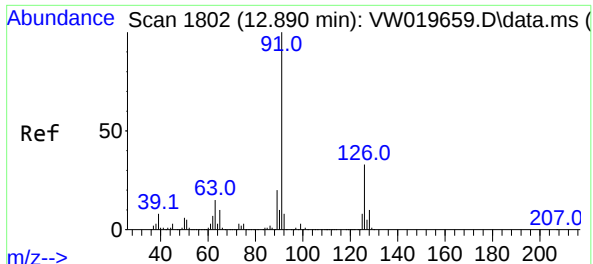


#78  
n-propylbenzene  
Concen: 4.180 ug/l  
RT: 12.804 min Scan# 1788  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



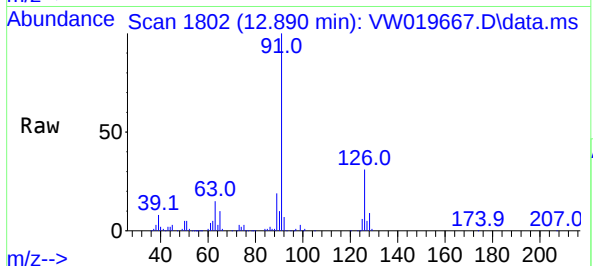
Tgt Ion: 91 Resp: 166437  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.2 33.6





#79  
2-Chlorotoluene  
Concen: 4.116 ug/l  
RT: 12.890 min Scan# 1802  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

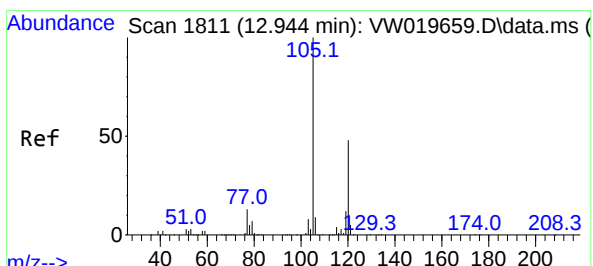
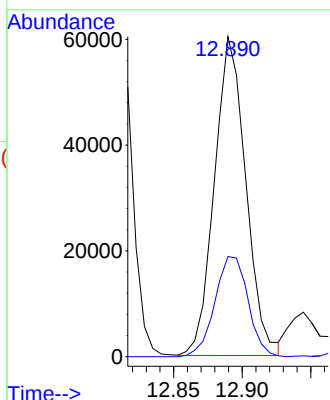
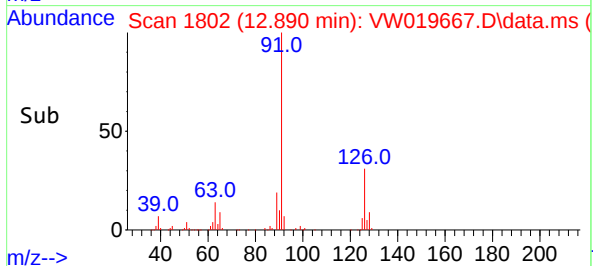
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



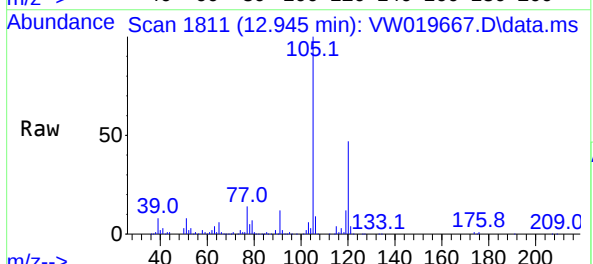
Tgt Ion: 91 Resp: 96084  
Ion Ratio Lower Upper  
91 100  
126 33.1 15.3 45.9

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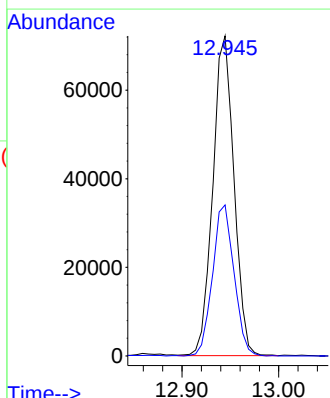
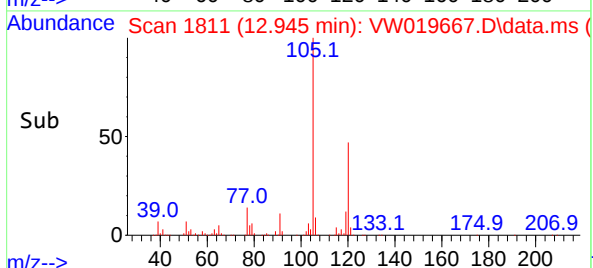
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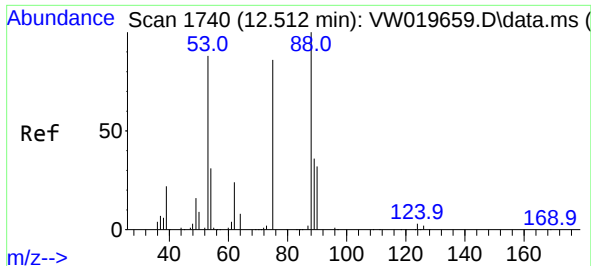


#80  
1,3,5-Trimethylbenzene  
Concen: 3.965 ug/l  
RT: 12.945 min Scan# 1811  
Delta R.T. 0.001 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



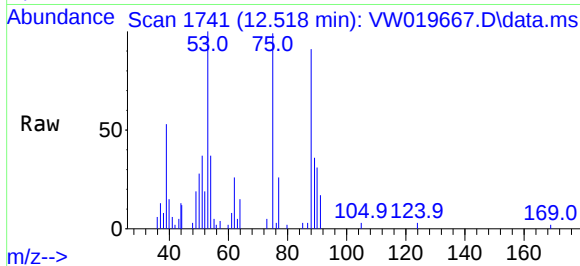
Tgt Ion:105 Resp: 109465  
Ion Ratio Lower Upper  
105 100  
120 48.1 24.1 72.3





#81  
trans-1,4-Dichloro-2-butene  
Concen: 3.608 ug/l m  
RT: 12.518 min Scan# 1741  
Delta R.T. 0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

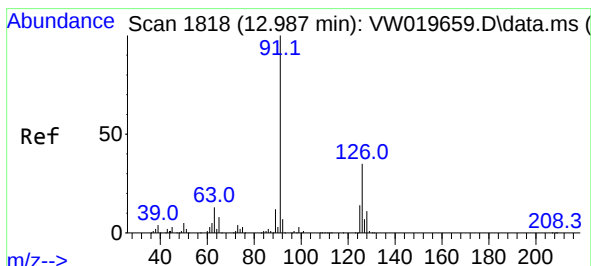
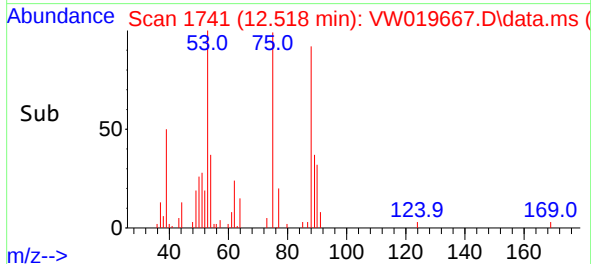
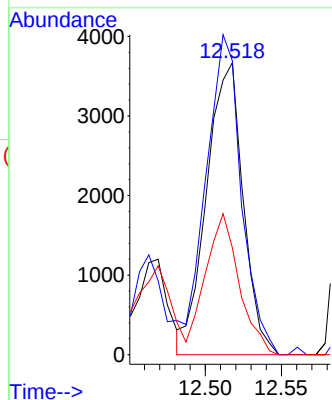
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



Tgt Ion: 75 Resp: 6109  
Ion Ratio Lower Upper  
75 100  
53 8.7 75.8 113.8#  
89 2.8 35.7 53.5#

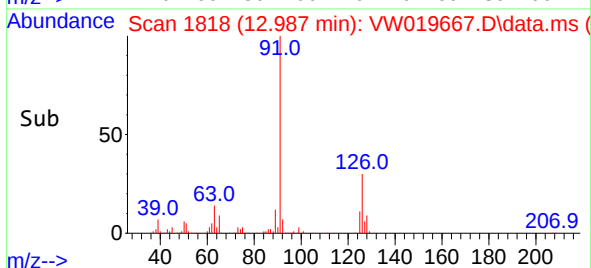
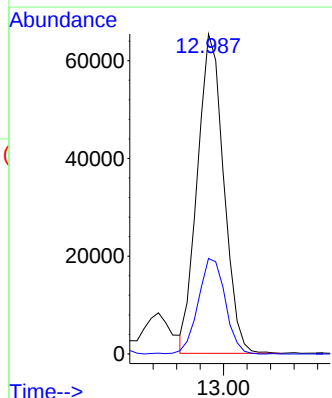
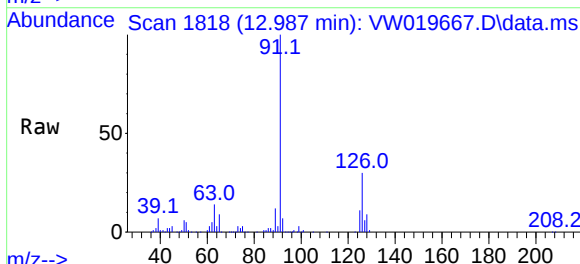
Manual Integrations  
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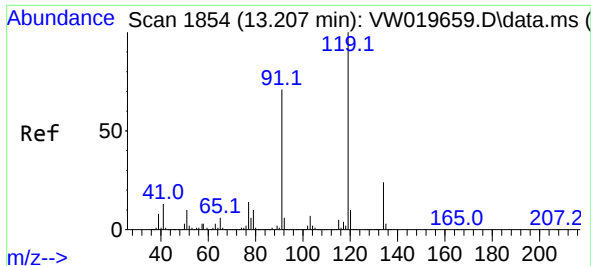
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#82  
4-Chlorotoluene  
Concen: 4.186 ug/l  
RT: 12.987 min Scan# 1818  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

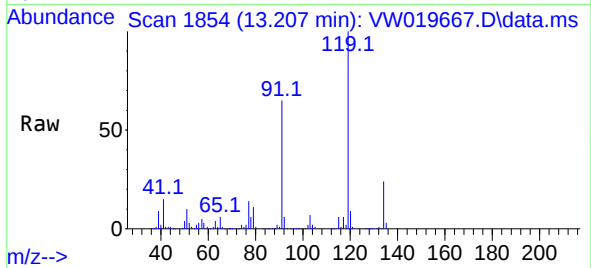
Tgt Ion: 91 Resp: 101631  
Ion Ratio Lower Upper  
91 100  
126 30.7 15.7 47.1





#83  
tert-Butylbenzene  
Concen: 3.965 ug/l  
RT: 13.207 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

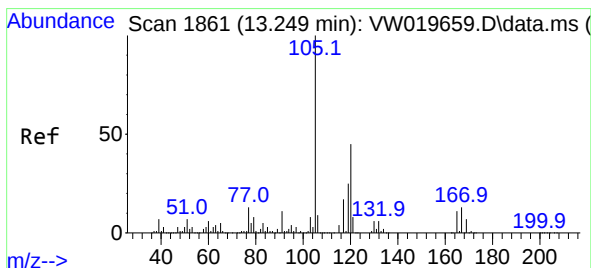
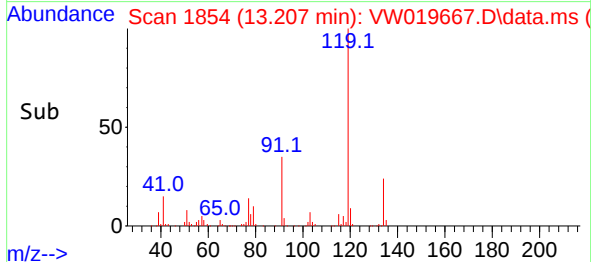
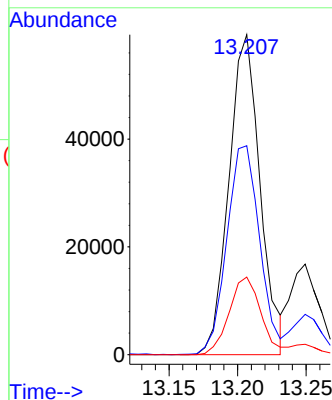
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MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



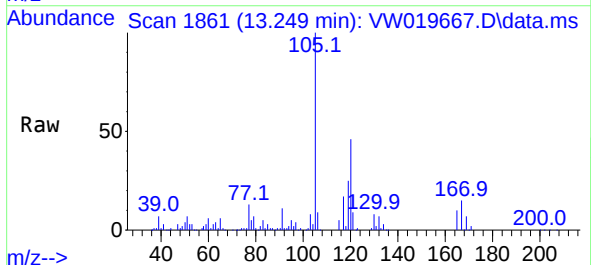
Tgt Ion:119 Resp: 94070  
Ion Ratio Lower Upper  
119 100  
91 68.8 33.7 101.1  
134 25.1 12.4 37.0

Manual Integrations  
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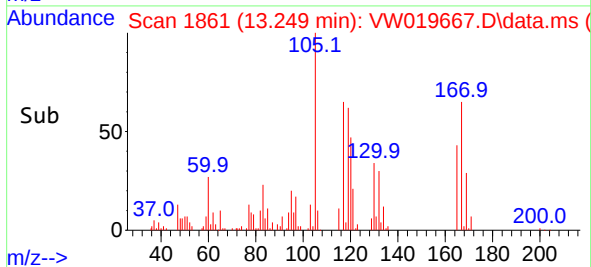
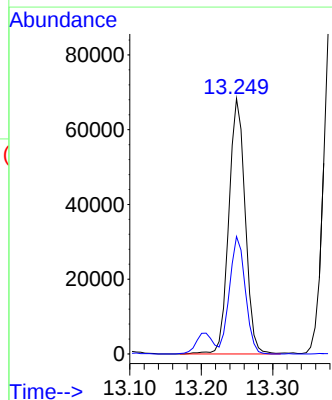
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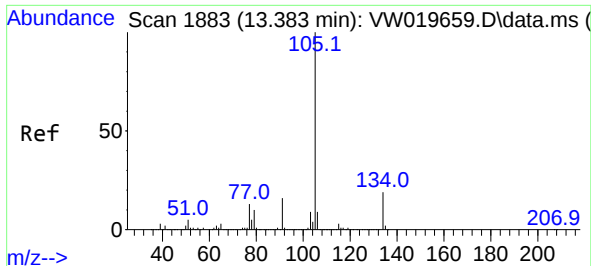


#84  
1,2,4-Trimethylbenzene  
Concen: 3.951 ug/l  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



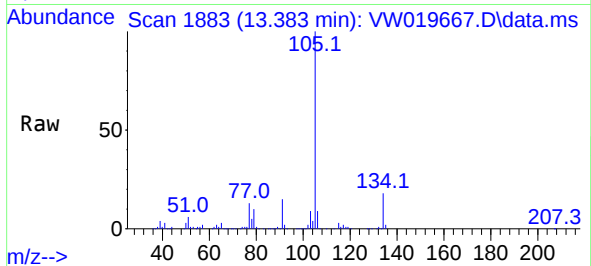
Tgt Ion:105 Resp: 108599  
Ion Ratio Lower Upper  
105 100  
120 44.1 21.9 65.8





#85  
sec-Butylbenzene  
Concen: 4.051 ug/l  
RT: 13.383 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

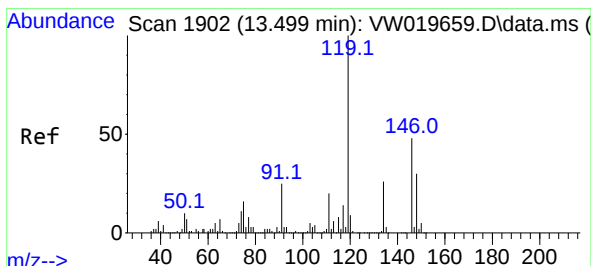
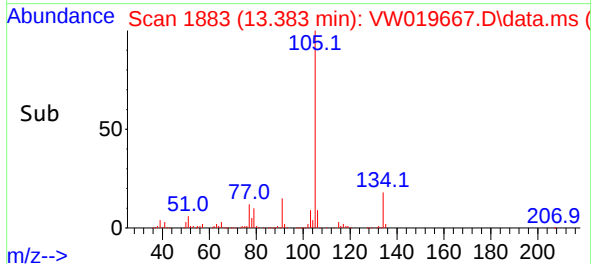
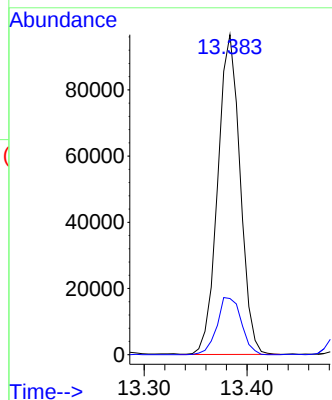
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



Tgt Ion:105 Resp: 145935  
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105 100  
134 19.4 9.8 29.4

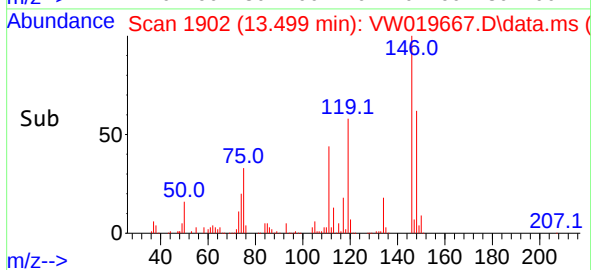
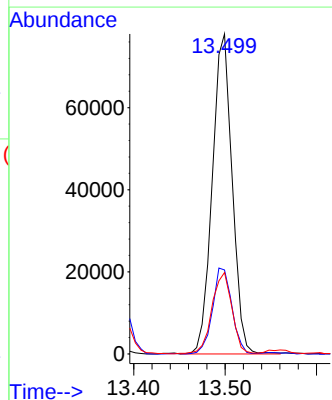
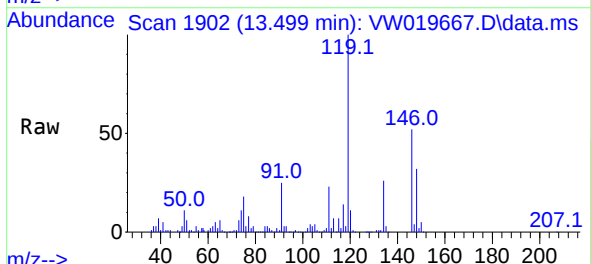
Manual Integrations  
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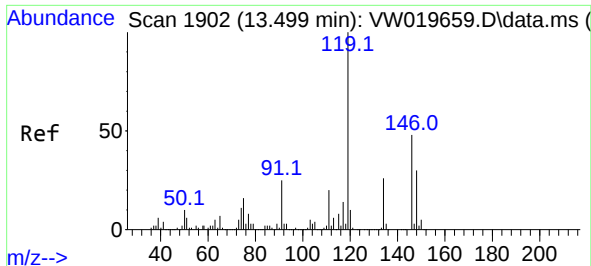
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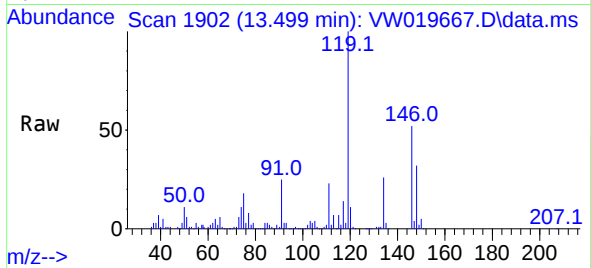
#86  
p-Isopropyltoluene  
Concen: 3.982 ug/l  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Tgt Ion:119 Resp: 117717  
Ion Ratio Lower Upper  
119 100  
134 26.2 13.1 39.1  
91 25.5 12.1 36.3

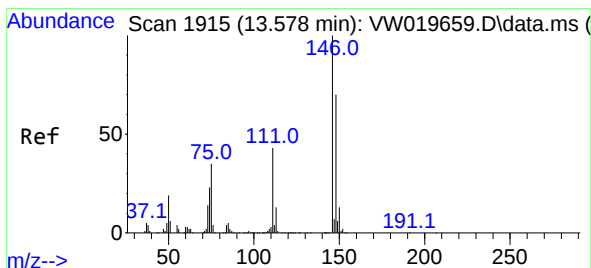
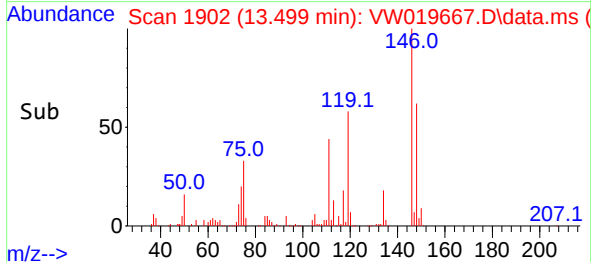
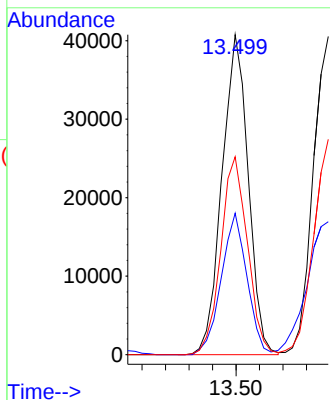




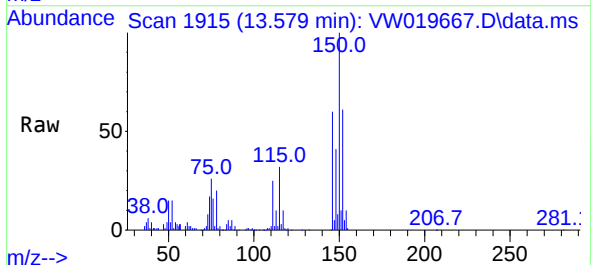
#87  
1,3-Dichlorobenzene  
Concen: 4.217 ug/l  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



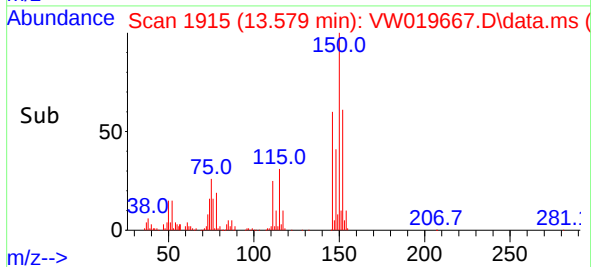
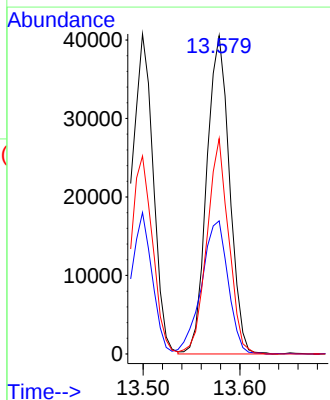
Tgt Ion:146 Resp: 63147  
Ion Ratio Lower Upper  
146 100  
111 43.4 20.8 62.2  
148 62.9 31.3 93.9



#88  
1,4-Dichlorobenzene  
Concen: 4.460 ug/l  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.001 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



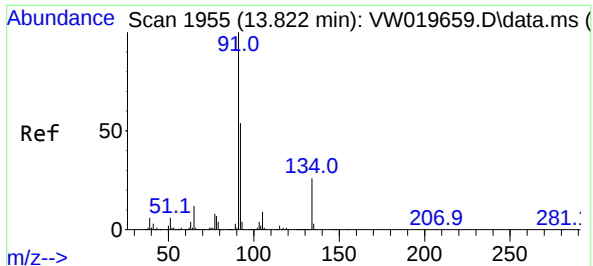
Tgt Ion:146 Resp: 66410  
Ion Ratio Lower Upper  
146 100  
111 49.1 20.6 61.8  
148 64.7 32.1 96.5



Instrument :  
MSVOA\_W  
ClientSampleId :  
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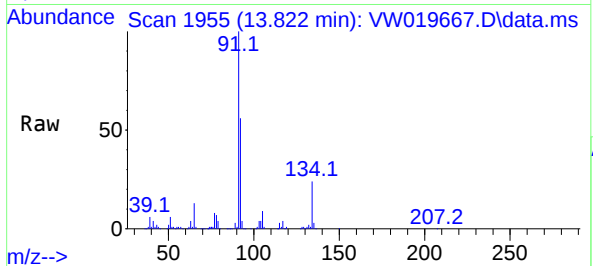
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#89  
n-Butylbenzene  
Concen: 3.990 ug/l  
RT: 13.822 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

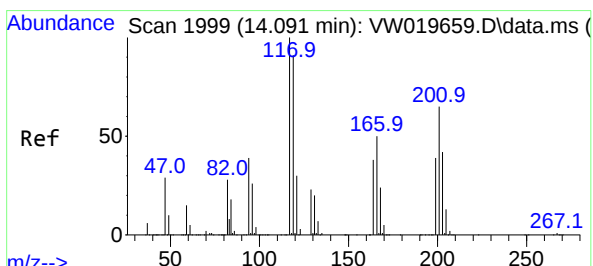
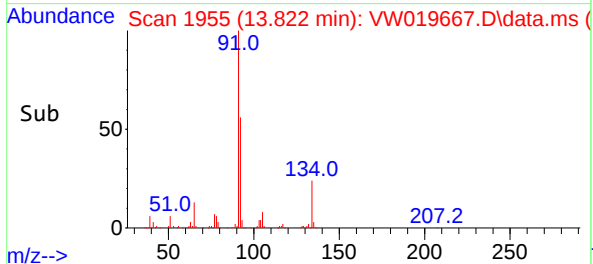
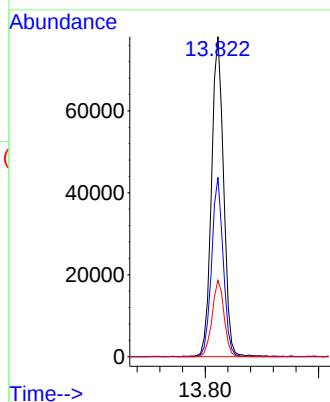


Tgt Ion: 91 Resp: 116027

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 53.4  | 27.7  | 83.1  |
| 134 | 23.5  | 12.7  | 38.1  |

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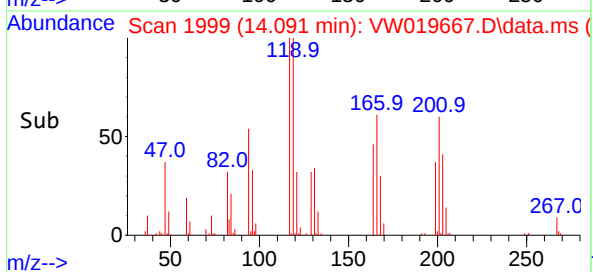
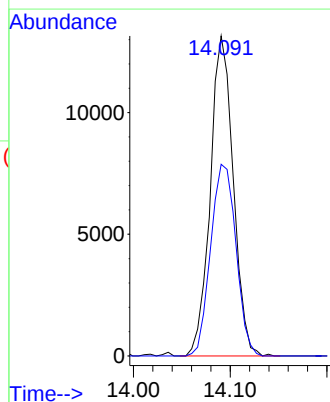
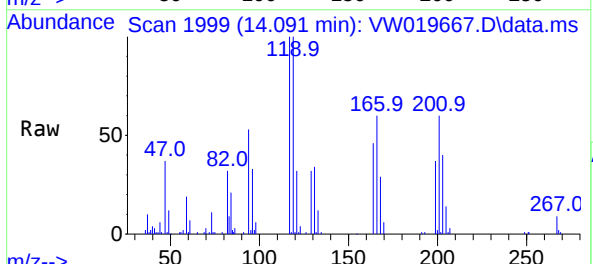
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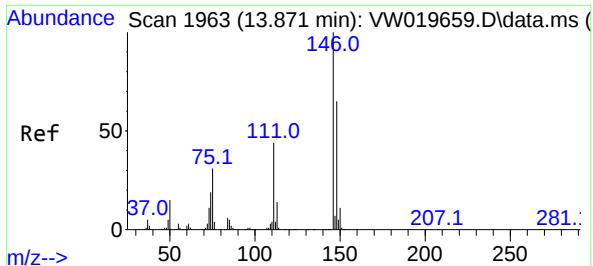


#90  
Hexachloroethane  
Concen: 4.019 ug/l  
RT: 14.091 min Scan# 1999  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

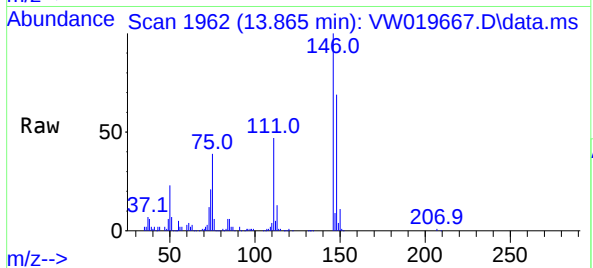
Tgt Ion: 117 Resp: 21675

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 65.9  | 37.2  | 111.6 |

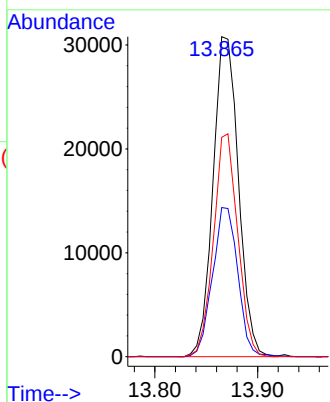
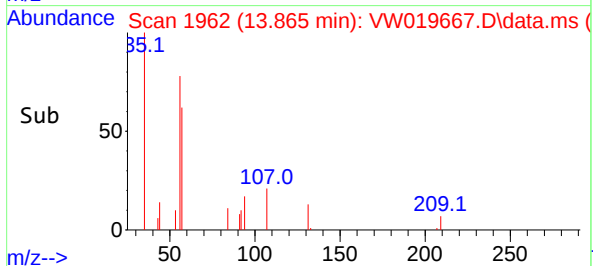




#91  
1,2-Dichlorobenzene  
Concen: 4.023 ug/l  
RT: 13.865 min Scan# 1962  
Delta R.T. -0.006 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



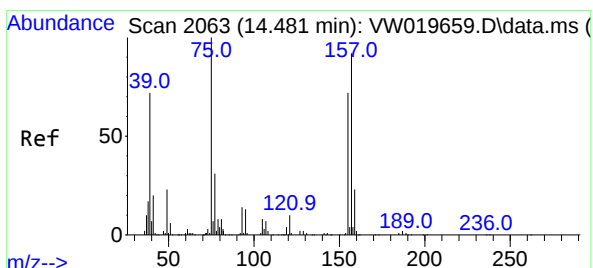
Tgt Ion: 146 Resp: 52929  
Ion Ratio Lower Upper  
146 100  
111 46.4 21.4 64.2  
148 66.4 31.9 95.7



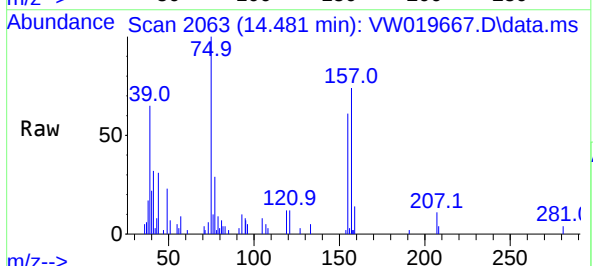
Instrument :  
MSVOA\_W  
ClientSampleId :  
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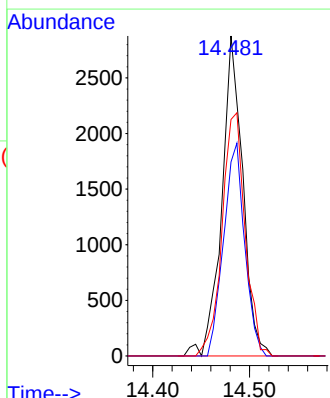
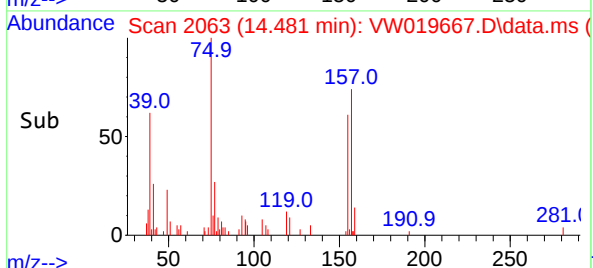
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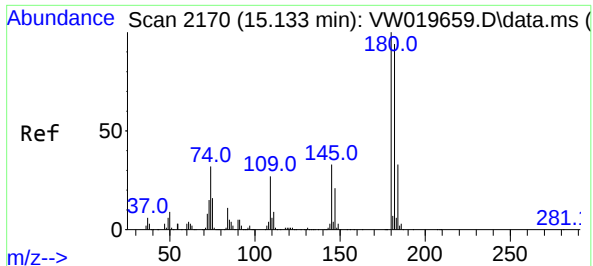


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 4.482 ug/l  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

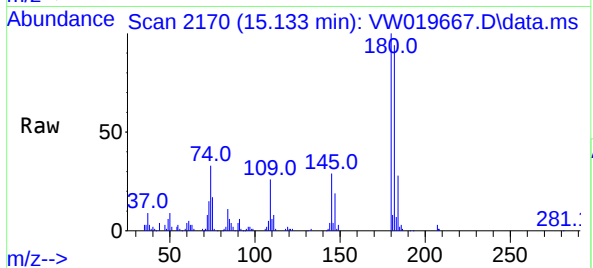


Tgt Ion: 75 Resp: 4343  
Ion Ratio Lower Upper  
75 100  
155 66.6 38.4 115.2  
157 83.1 48.9 146.6

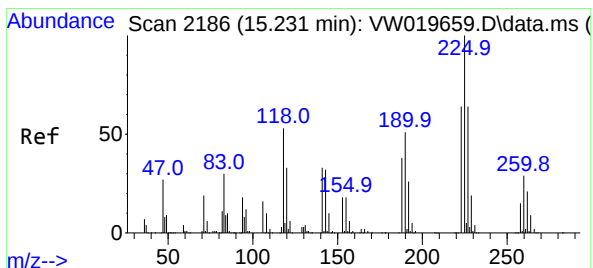
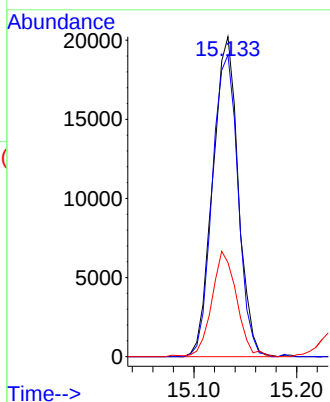
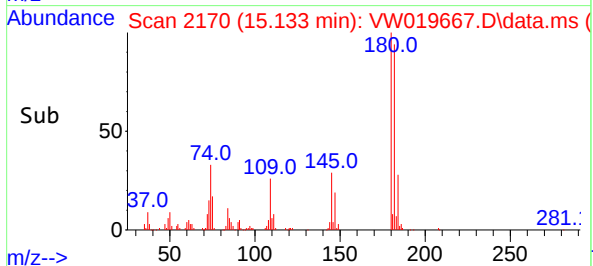




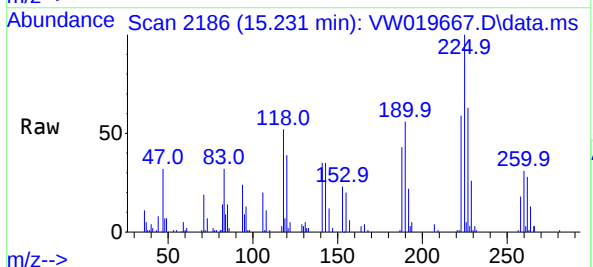
#93  
1,2,4-Trichlorobenzene  
Concen: 4.250 ug/l  
RT: 15.133 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VW019667.D  
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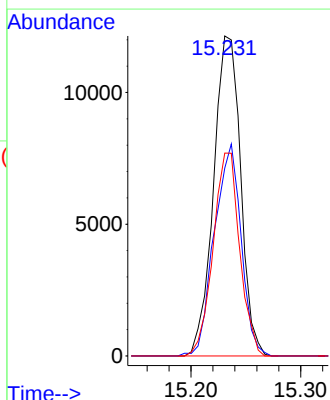
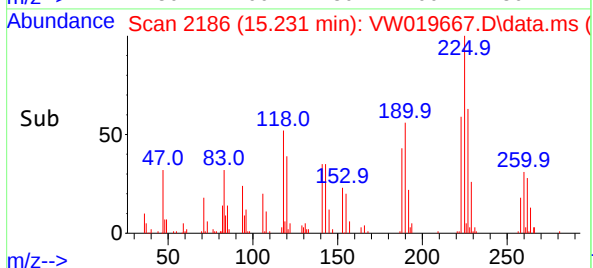
Tgt Ion:180 Resp: 34683  
Ion Ratio Lower Upper  
180 100  
182 95.3 47.3 141.8  
145 32.4 15.4 46.2



#94  
Hexachlorobutadiene  
Concen: 4.389 ug/l  
RT: 15.231 min Scan# 2186  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42



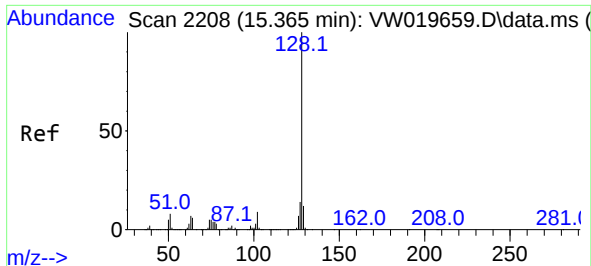
Tgt Ion:225 Resp: 20824  
Ion Ratio Lower Upper  
225 100  
223 65.5 31.4 94.0  
227 62.3 31.6 94.7



Instrument :  
MSVOA\_W  
ClientSampleId :  
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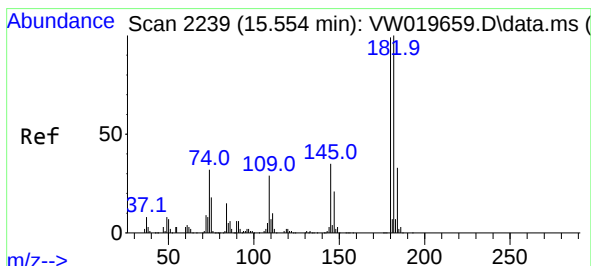
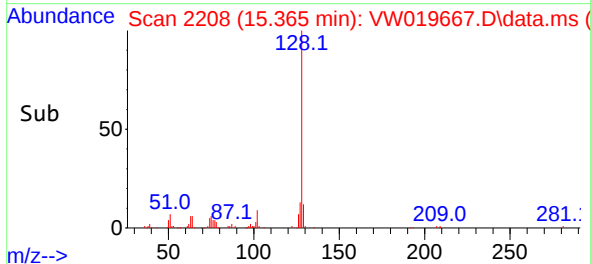
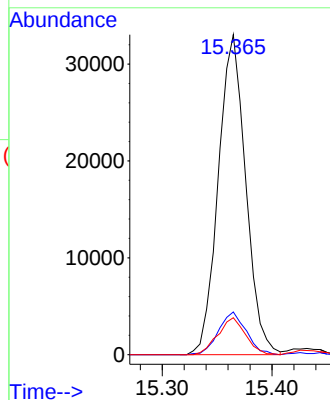
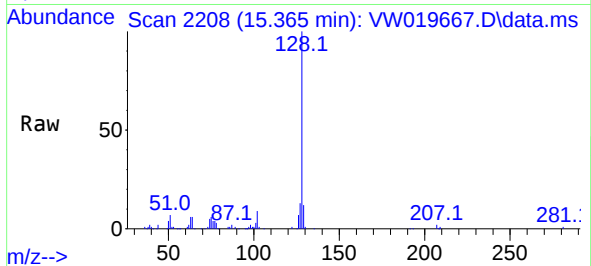
#95  
Naphthalene  
Concen: 3.778 ug/l  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 57485 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.5  | 10.2  | 15.2  |
| 129       | 11.6  | 8.8   | 13.2  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

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#96  
1,2,3-Trichlorobenzene  
Concen: 4.434 ug/l  
RT: 15.554 min Scan# 2239  
Delta R.T. -0.000 min  
Lab File: VW019667.D  
Acq: 03 Aug 2021 18:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 31990 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.5  | 48.5  | 145.6 |
| 145       | 34.4  | 17.4  | 52.2  |

