

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070921\  
 Data File : VY005401.D  
 Acq On : 09 Jul 2021 16:27  
 Operator : SY/MD  
 Sample : M2940-01 2.5PPB  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

MMDadoda  
 7/12/2021 5:46:42 PM

Quant Time: Jul 10 08:11:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070921S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 10 08:11:41 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 334847   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 488646   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 439153   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 227510   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 155581   | 49.595   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.180%  |
| 35) Dibromofluoromethane    | 7.722  | 113   | 143713   | 50.114   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.220% |
| 50) Toluene-d8              | 10.185 | 98    | 594263   | 48.683   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 97.360%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 196217   | 47.684   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.360%  |

|                              |       |     |       |        |        |    |
|------------------------------|-------|-----|-------|--------|--------|----|
| Target Compounds             |       |     |       | Qvalue |        |    |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 8629  | 2.892  | ug/l   | 92 |
| 3) Chloromethane             | 2.113 | 50  | 8207  | 2.704  | ug/l   | 96 |
| 4) Vinyl Chloride            | 2.253 | 62  | 9911  | 2.640  | ug/l   | 94 |
| 5) Bromomethane              | 2.656 | 94  | 9561  | 3.423  | ug/l   | 93 |
| 6) Chloroethane              | 2.802 | 64  | 6336  | 2.691  | ug/l   | 98 |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 15853 | 2.868  | ug/l   | 99 |
| 8) Diethyl Ether             | 3.534 | 74  | 5527  | 2.883  | ug/l   | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 8632  | 2.777  | ug/l   | 99 |
| 10) Methyl Iodide            | 4.101 | 142 | 8880  | 2.347  | ug/l   | 97 |
| 11) Tert butyl alcohol       | 4.978 | 59  | 5910m | 13.187 | ug/l   |    |
| 12) 1,1-Dichloroethene       | 3.881 | 96  | 8768  | 2.747  | ug/l   | 91 |
| 13) Acrolein                 | 3.735 | 56  | 3640  | 15.492 | ug/l   | 97 |
| 14) Allyl chloride           | 4.485 | 41  | 11909 | 2.682  | ug/l   | 97 |
| 15) Acrylonitrile            | 5.180 | 53  | 11266 | 12.912 | ug/l   | 99 |
| 16) Acetone                  | 3.960 | 43  | 10447 | 15.554 | ug/l   | 98 |
| 17) Carbon Disulfide         | 4.198 | 76  | 27016 | 2.711  | ug/l   | 98 |
| 18) Methyl Acetate           | 4.491 | 43  | 5447  | 2.926  | ug/l   | 99 |
| 19) Methyl tert-butyl Ether  | 5.235 | 73  | 23117 | 2.676  | ug/l   | 96 |
| 20) Methylene Chloride       | 4.722 | 84  | 35835 | 7.703  | ug/l   | 98 |
| 21) trans-1,2-Dichloroethene | 5.222 | 96  | 9357  | 2.630  | ug/l   | 94 |
| 22) Diisopropyl ether        | 6.131 | 45  | 22662 | 2.562  | ug/l   | 96 |
| 23) Vinyl Acetate            | 6.070 | 43  | 71568 | 12.226 | ug/l   | 98 |
| 24) 1,1-Dichloroethane       | 6.021 | 63  | 15093 | 2.703  | ug/l   | 97 |
| 25) 2-Butanone               | 6.996 | 43  | 13694 | 12.939 | ug/l   | 99 |
| 26) 2,2-Dichloropropane      | 6.984 | 77  | 14852 | 2.866  | ug/l   | 98 |
| 27) cis-1,2-Dichloroethene   | 6.990 | 96  | 10585 | 2.687  | ug/l   | 99 |
| 28) Bromochloromethane       | 7.338 | 49  | 5629  | 2.686  | ug/l # | 99 |
| 29) Tetrahydrofuran          | 7.362 | 42  | 8787  | 12.516 | ug/l   | 98 |
| 30) Chloroform               | 7.515 | 83  | 16416 | 2.743  | ug/l   | 96 |
| 31) Cyclohexane              | 7.789 | 56  | 18712 | 3.366  | ug/l # | 67 |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 15100 | 2.725  | ug/l   | 95 |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 12593 | 2.640  | ug/l   | 99 |
| 37) Ethyl Acetate            | 7.082 | 43  | 6547  | 2.729  | ug/l # | 94 |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 13906 | 2.607  | ug/l   | 94 |
| 39) Methylcyclohexane        | 9.185 | 83  | 15872 | 2.528  | ug/l   | 97 |
| 40) Benzene                  | 8.167 | 78  | 36837 | 2.635  | ug/l   | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070921\  
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 Acq On : 09 Jul 2021 16:27  
 Operator : SY/MD  
 Sample : M2940-01 2.5PPB  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

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 7/12/2021 5:46:42 PM

Quant Time: Jul 10 08:11:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070921S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 10 08:11:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.326  | 41   | 3789     | 2.770  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 10818    | 2.679  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 11294    | 2.567  | ug/l   | 98       |
| 44) Trichloroethene           | 8.941  | 130  | 10567    | 2.568  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 8618     | 2.638  | ug/l # | 88       |
| 46) Dibromomethane            | 9.313  | 93   | 4999     | 2.612  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.502  | 83   | 11984    | 2.586  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.295  | 41   | 5040     | 2.478  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 1544     | 50.348 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 29607    | 12.177 | ug/l   | 100      |
| 52) Toluene                   | 10.246 | 92   | 24094    | 2.618  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 13046    | 2.521  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 14023    | 2.458  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 7671     | 2.701  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 9652     | 2.445  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.795 | 76   | 12369    | 2.580  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 22706    | 13.454 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.837 | 43   | 20391    | 12.008 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.990 | 129  | 8896     | 2.507  | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 6983     | 2.555  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.721 | 164  | 10502    | 2.644  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.520 | 112  | 26194    | 2.680  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 9074     | 2.497  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 43314    | 2.529  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 35167    | 5.132  | ug/l   | 100      |
| 69) o-Xylene                  | 12.032 | 106  | 16817    | 2.580  | ug/l   | 98       |
| 70) Styrene                   | 12.044 | 104  | 27280    | 2.470  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 6390     | 2.660  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.331 | 105  | 42546    | 2.570  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.148 | 43   | 9808     | 2.500  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 8153     | 2.653  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 6627m    | 3.012  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 11217    | 2.685  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.672 | 91   | 51238    | 2.629  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 28938    | 2.643  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 35493    | 2.570  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 3263     | 2.757  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 30412    | 2.672  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 31785    | 2.589  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 34909    | 2.530  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 45369    | 2.529  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 39358    | 2.526  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 22029    | 2.660  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 22738    | 2.778  | ug/l   | 90       |
| 89) n-Butylbenzene            | 13.696 | 91   | 35454    | 2.568  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.965 | 117  | 7263     | 2.604  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 19895    | 2.718  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 1682     | 2.894  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 14601    | 2.908  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 8901     | 2.838  | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 28210    | 2.848  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 13430    | 3.027  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070921\  
 Data File : VY005401.D  
 Acq On : 09 Jul 2021 16:27  
 Operator : SY/MD  
 Sample : M2940-01 2.5PPB  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

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

**Manual Integrations**  
**APPROVED**

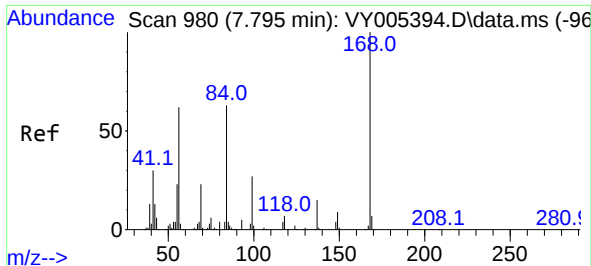
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Quant Time: Jul 10 08:11:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070921S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 10 08:11:41 2021  
 Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed





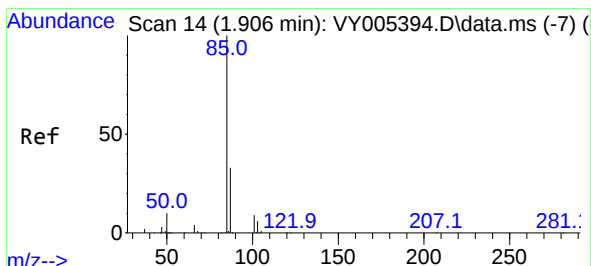
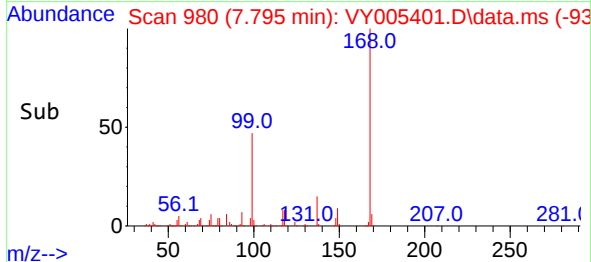
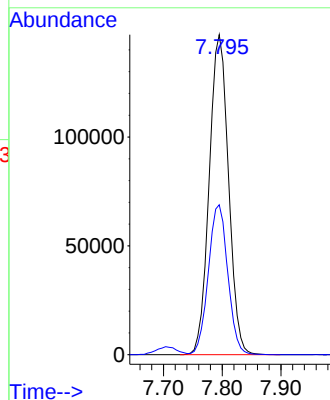
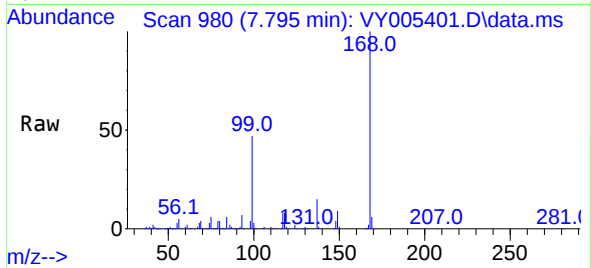
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 168 Resp: 334847  
Ion Ratio Lower Upper  
168 100  
99 46.9 37.4 56.2

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

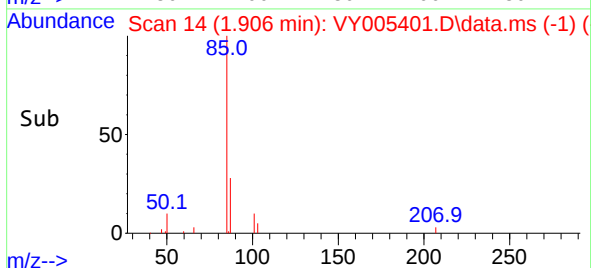
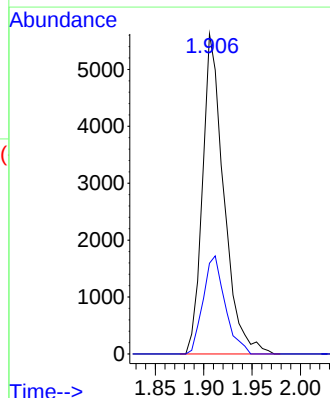
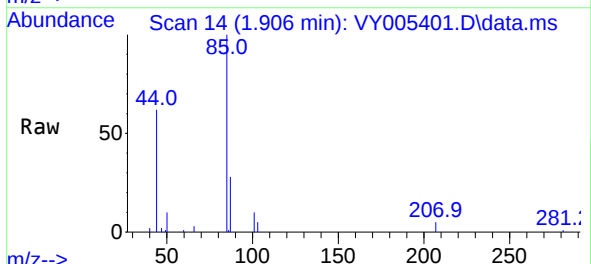
Manual Integrations  
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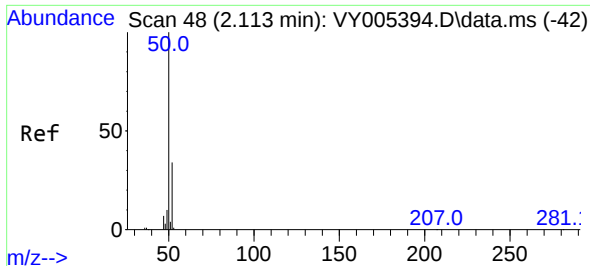
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#2  
Dichlorodifluoromethane  
Concen: 2.892 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 85 Resp: 8629  
Ion Ratio Lower Upper  
85 100  
87 28.3 16.5 49.5





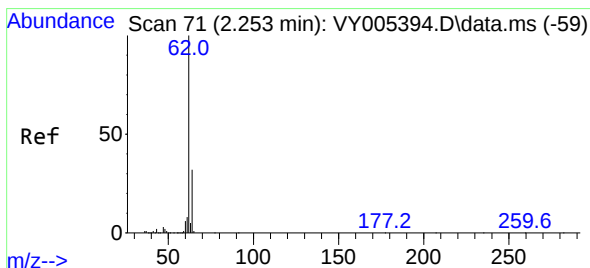
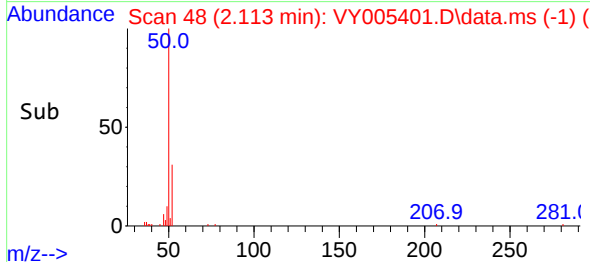
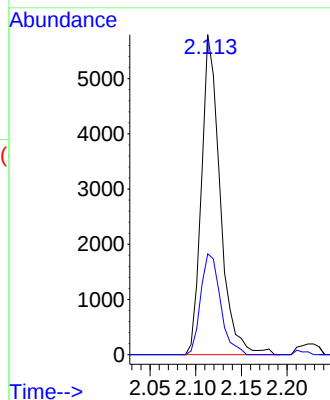
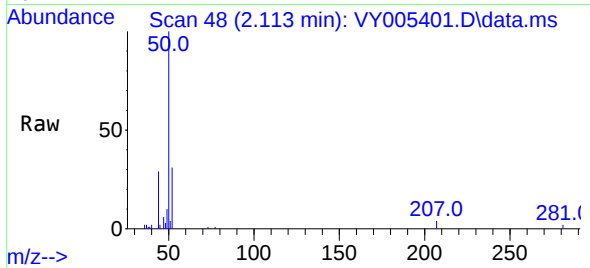
#3  
Chloromethane  
Concen: 2.704 ug/l  
RT: 2.113 min Scan# 48  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 50 Resp: 8207  
Ion Ratio Lower Upper  
50 100  
52 31.5 26.8 40.2

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

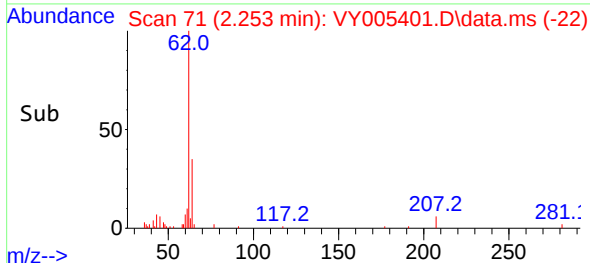
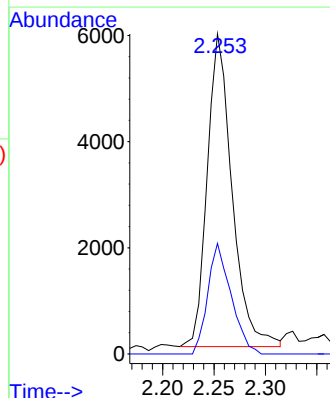
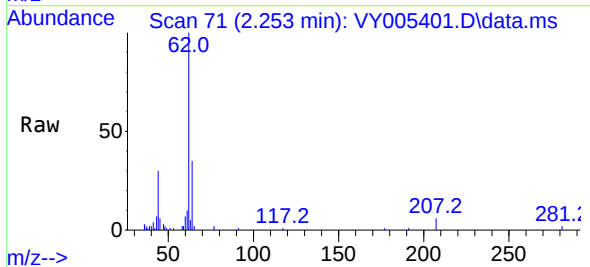
Manual Integrations  
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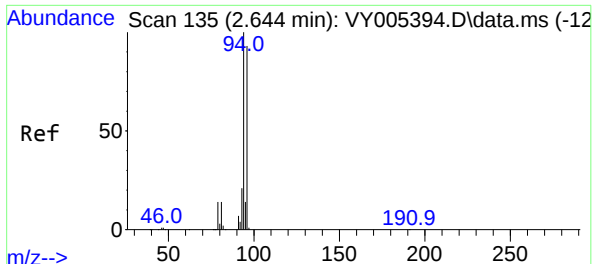
MMDadoda  
7/12/2021 5:46:42 PM



#4  
Vinyl Chloride  
Concen: 2.640 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 62 Resp: 9911  
Ion Ratio Lower Upper  
62 100  
64 35.4 25.4 38.2





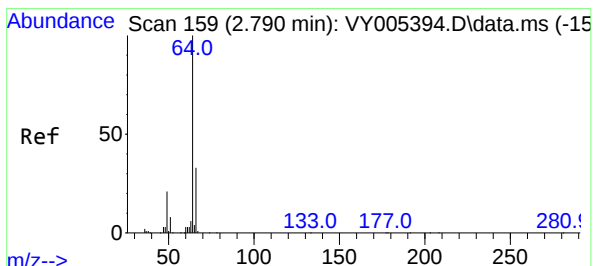
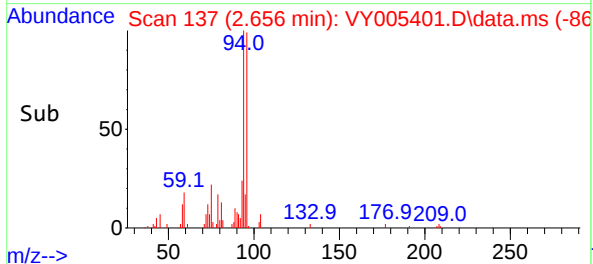
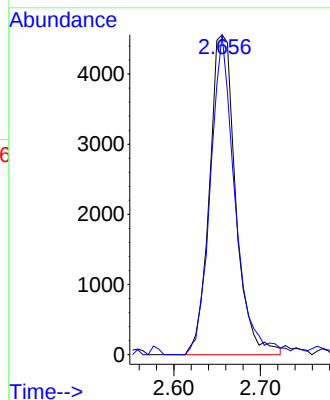
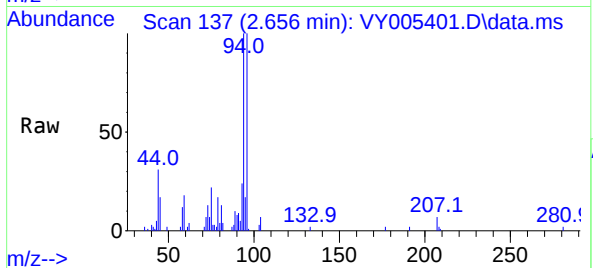
#5  
Bromomethane  
Concen: 3.423 ug/l  
RT: 2.656 min Scan# 137  
Delta R.T. 0.012 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 94 Resp: 9561  
Ion Ratio Lower Upper  
94 100  
96 99.9 74.5 111.7

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

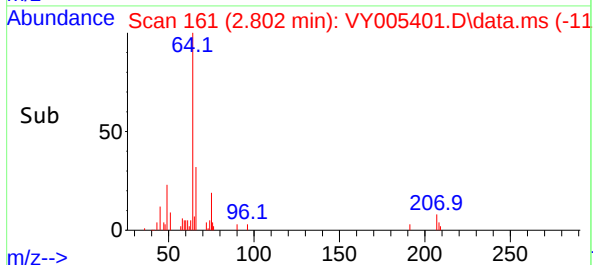
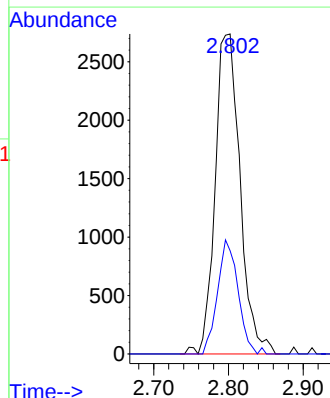
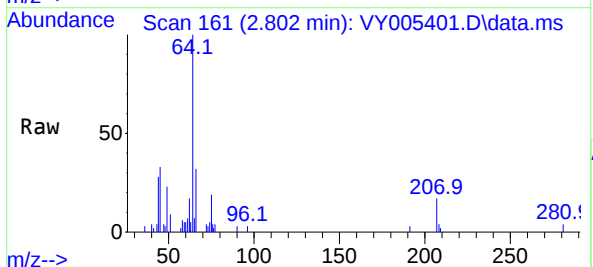
Manual Integrations  
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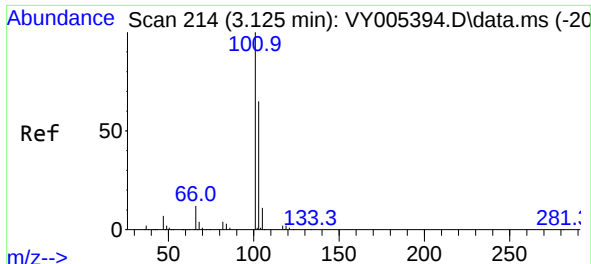
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7/12/2021 5:46:42 PM



#6  
Chloroethane  
Concen: 2.691 ug/l  
RT: 2.802 min Scan# 161  
Delta R.T. 0.012 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 64 Resp: 6336  
Ion Ratio Lower Upper  
64 100  
66 32.2 26.5 39.7





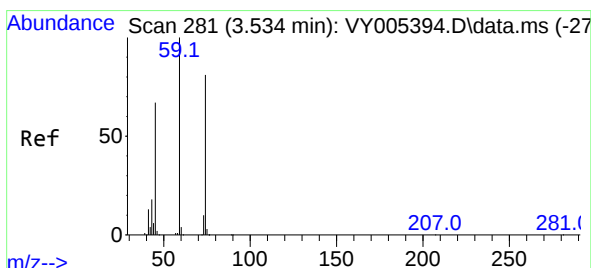
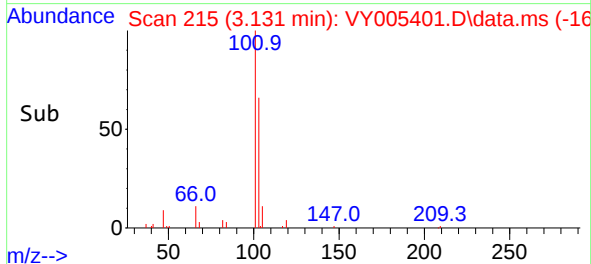
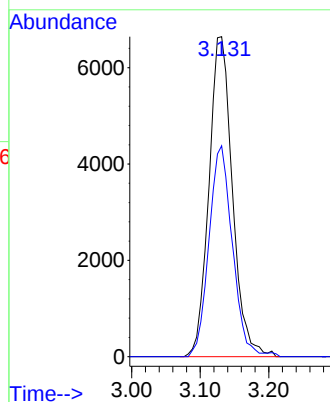
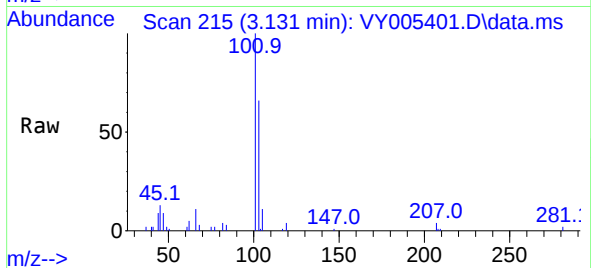
#7  
Trichlorofluoromethane  
Concen: 2.868 ug/l  
RT: 3.131 min Scan# 215  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 101 Resp: 15853  
Ion Ratio Lower Upper  
101 100  
103 65.9 52.1 78.1

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

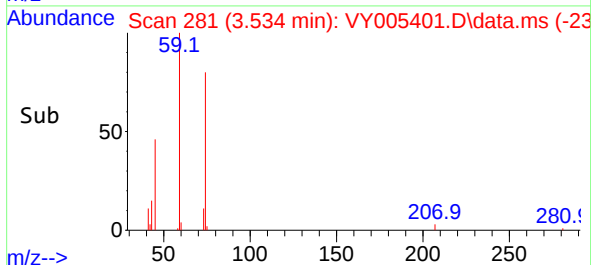
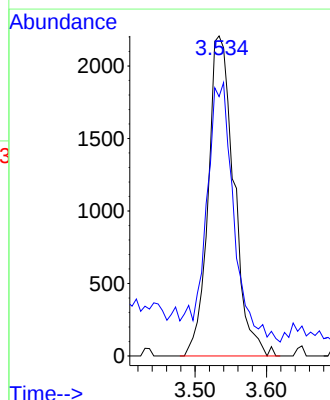
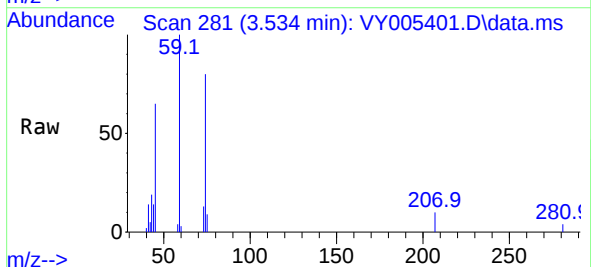
Manual Integrations  
APPROVED

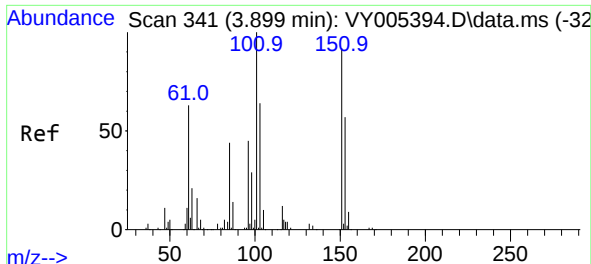
MMDadoda  
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#8  
Diethyl Ether  
Concen: 2.883 ug/l  
RT: 3.534 min Scan# 281  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 74 Resp: 5527  
Ion Ratio Lower Upper  
74 100  
45 83.2 41.1 123.4





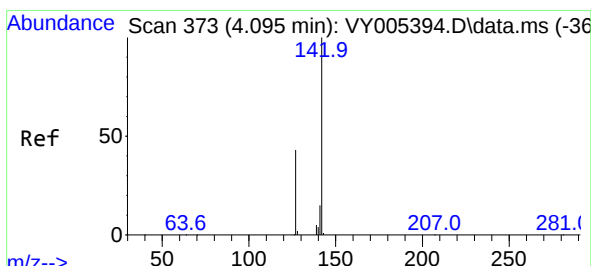
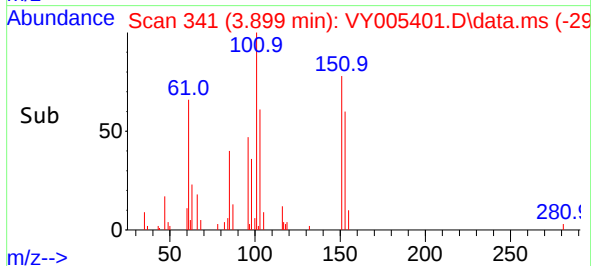
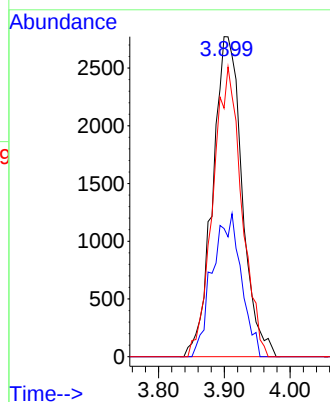
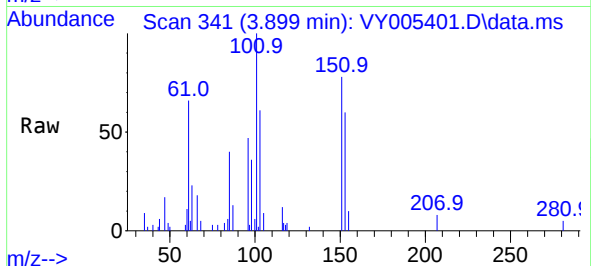
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.777 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion:101 Resp: 8632  
Ion Ratio Lower Upper  
101 100  
85 43.6 34.4 51.6  
151 88.6 71.6 107.4

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

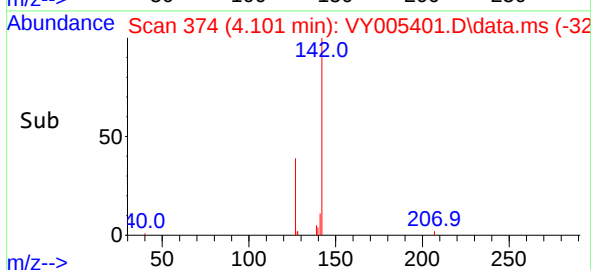
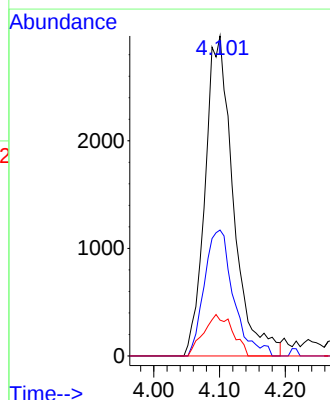
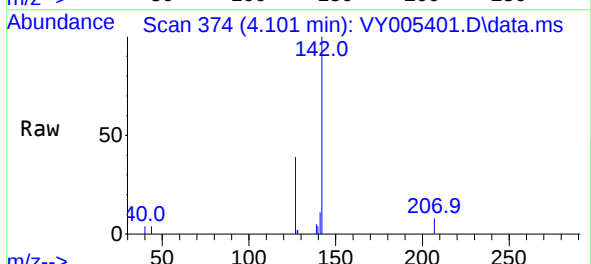
Manual Integrations  
APPROVED

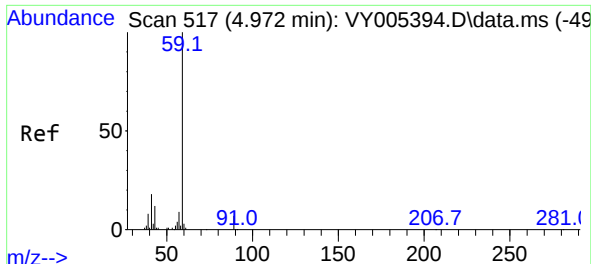
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#10  
Methyl Iodide  
Concen: 2.347 ug/l  
RT: 4.101 min Scan# 374  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion:142 Resp: 8880  
Ion Ratio Lower Upper  
142 100  
127 40.6 34.3 51.5  
141 13.3 11.5 17.3





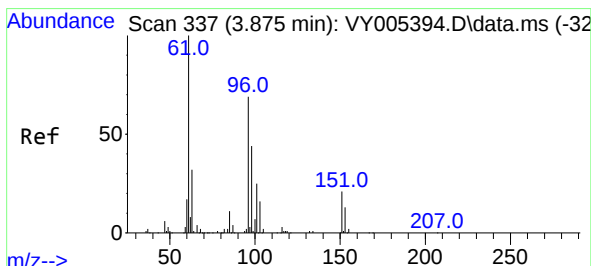
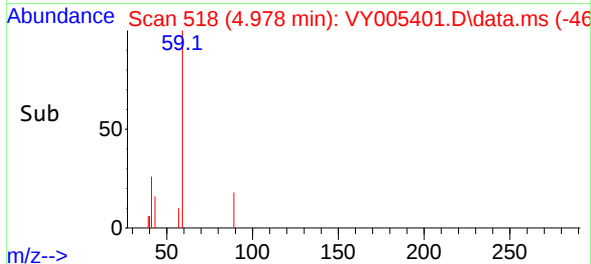
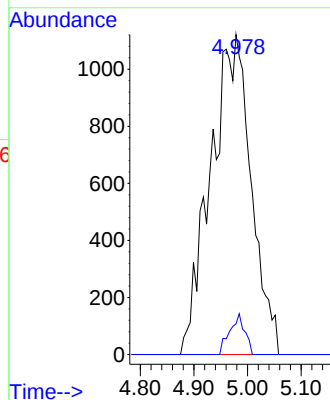
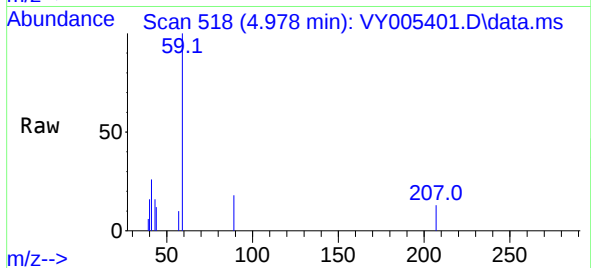
#11  
Tert butyl alcohol  
Concen: 13.187 ug/l m  
RT: 4.978 min Scan# 518  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 59 Resp: 5910  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.5 11.3#

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

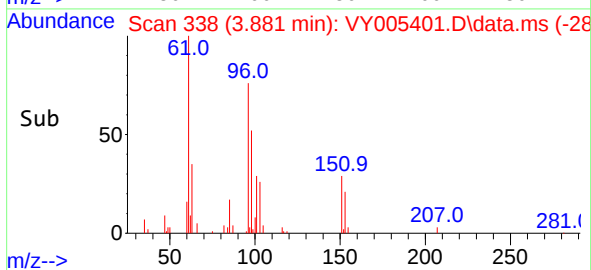
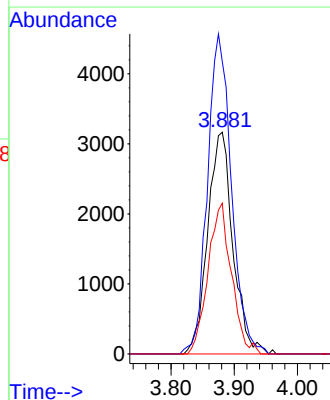
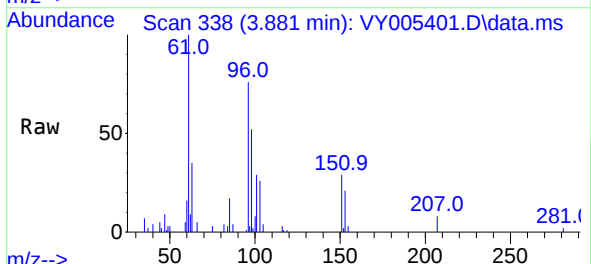
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APPROVED

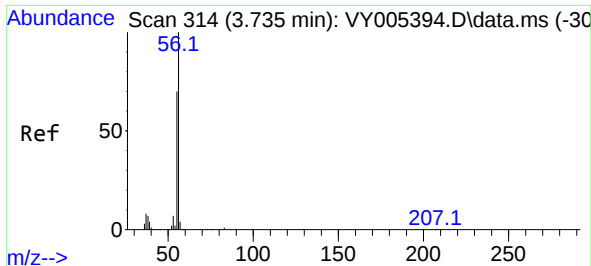
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#12  
1,1-Dichloroethene  
Concen: 2.747 ug/l  
RT: 3.881 min Scan# 338  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 96 Resp: 8768  
Ion Ratio Lower Upper  
96 100  
61 131.9 116.6 174.8  
98 68.0 50.8 76.2





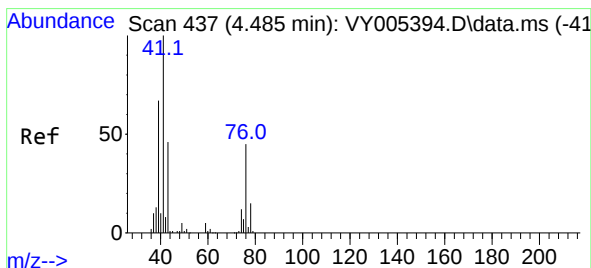
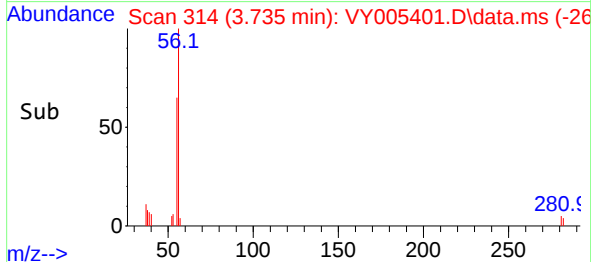
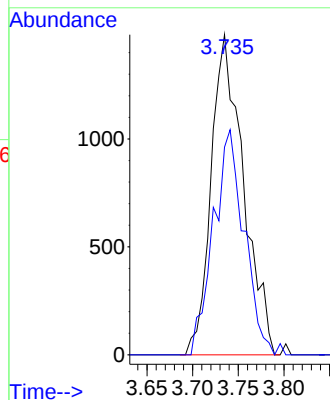
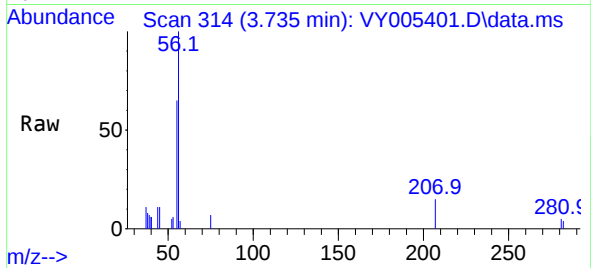
#13  
Acrolein  
Concen: 15.492 ug/l  
RT: 3.735 min Scan# 314  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 56 Resp: 3640  
Ion Ratio Lower Upper  
56 100  
55 67.4 55.9 83.9

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

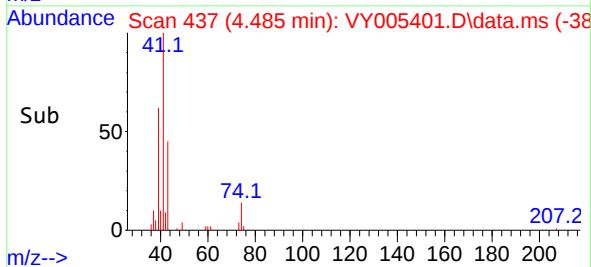
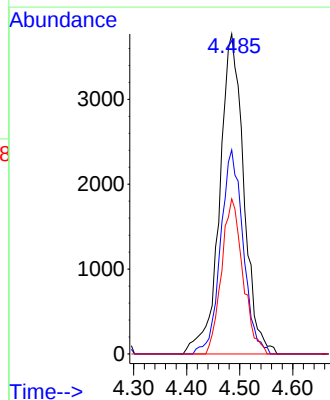
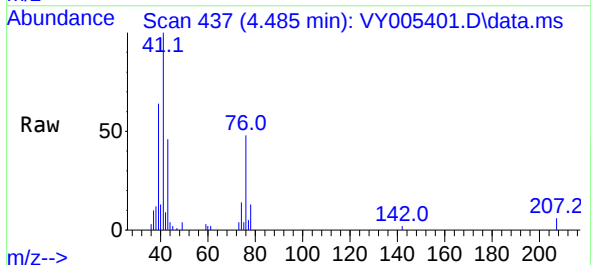
Manual Integrations  
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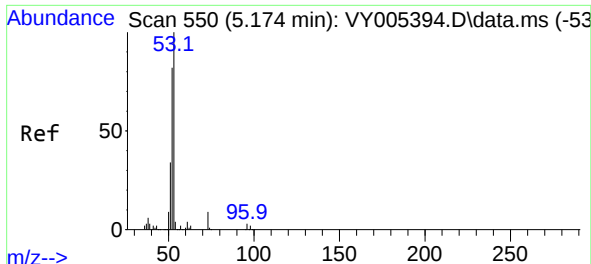
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#14  
Allyl chloride  
Concen: 2.682 ug/l  
RT: 4.485 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 41 Resp: 11909  
Ion Ratio Lower Upper  
41 100  
39 59.7 50.8 76.2  
76 42.9 34.5 51.7





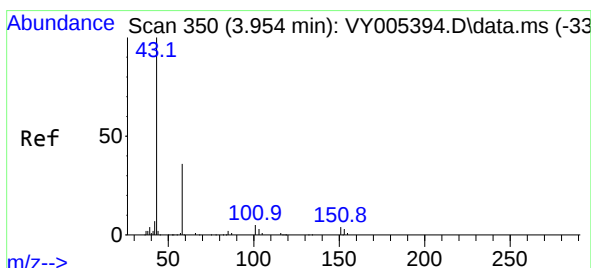
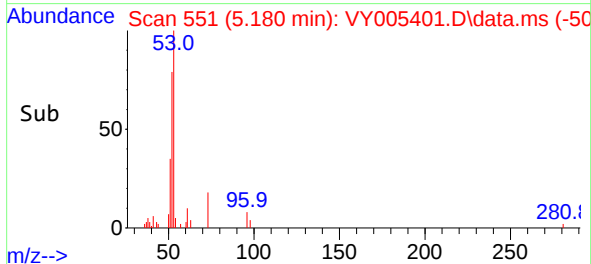
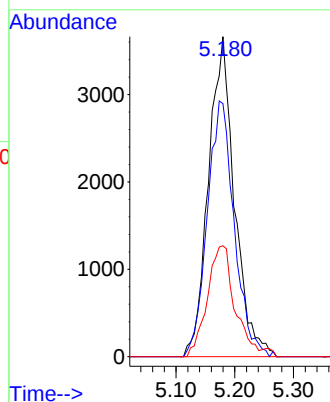
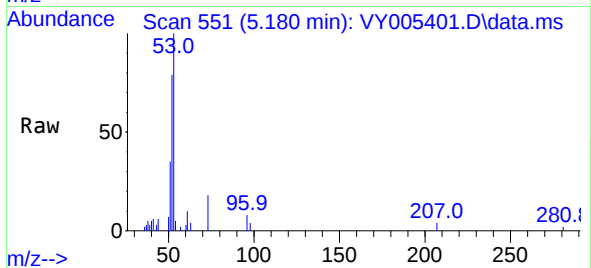
#15  
Acrylonitrile  
Concen: 12.912 ug/l  
RT: 5.180 min Scan# 551  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 11266 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.9  | 65.8  | 98.6  |
| 51       | 36.7  | 28.8  | 43.2  |

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

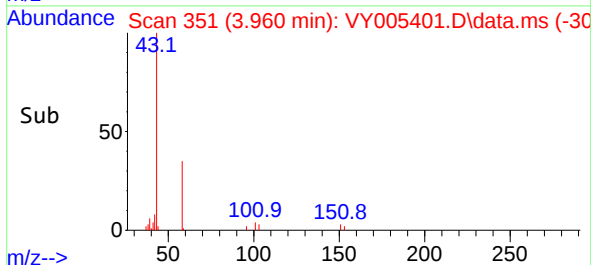
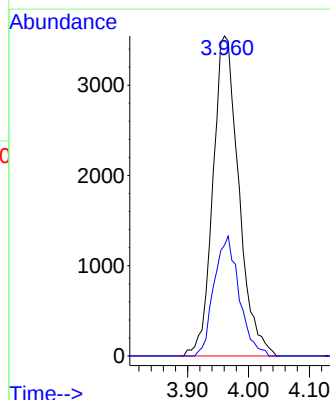
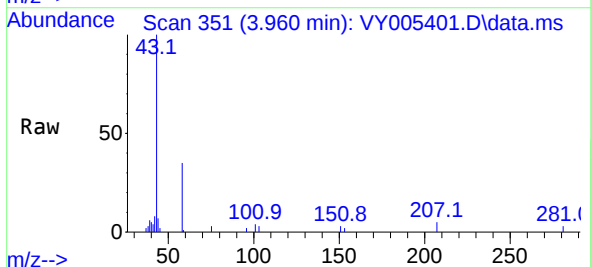
Manual Integrations  
APPROVED

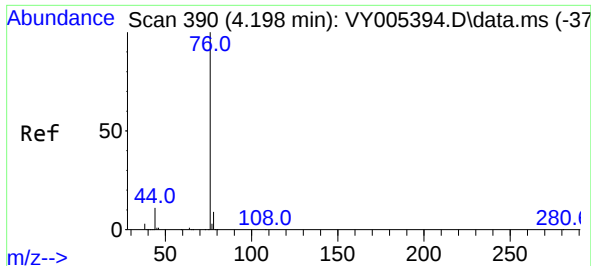
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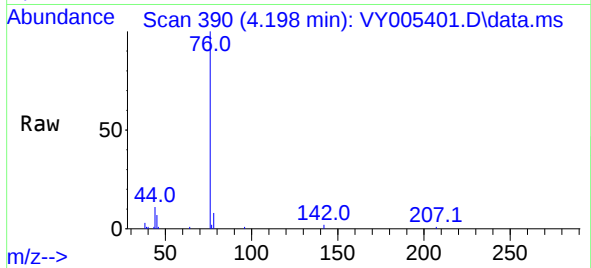
#16  
Acetone  
Concen: 15.554 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10447 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 34.7  | 28.9  | 43.3  |

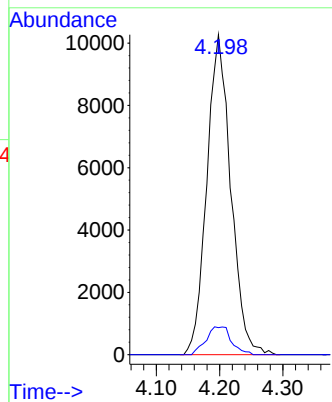
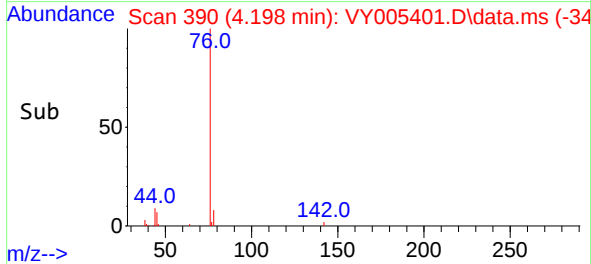




#17  
Carbon Disulfide  
Concen: 2.711 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



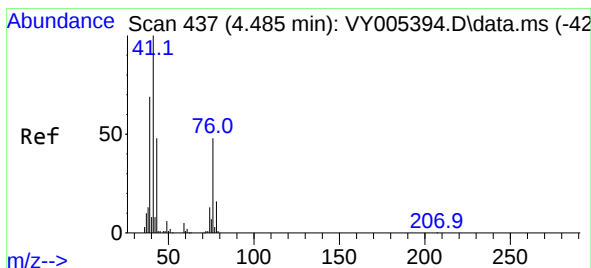
Tgt Ion: 76 Resp: 27016  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.3 10.9



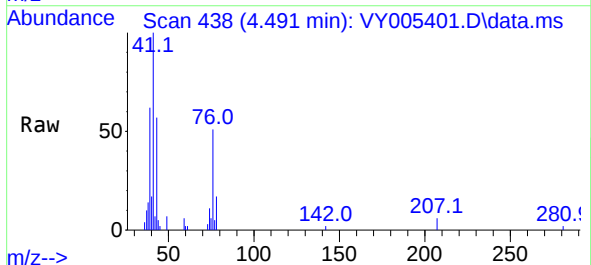
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

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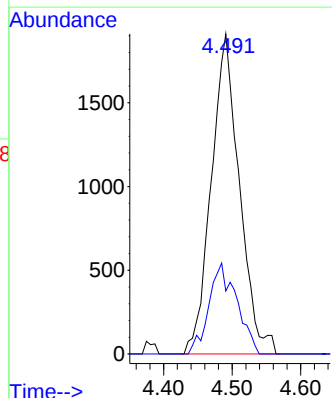
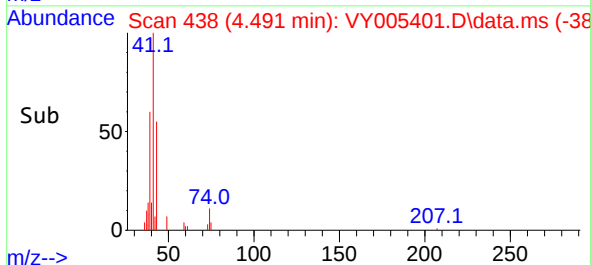
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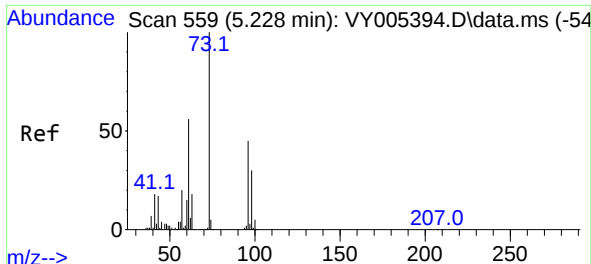


#18  
Methyl Acetate  
Concen: 2.926 ug/l  
RT: 4.491 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



Tgt Ion: 43 Resp: 5447  
Ion Ratio Lower Upper  
43 100  
74 28.1 23.0 34.4





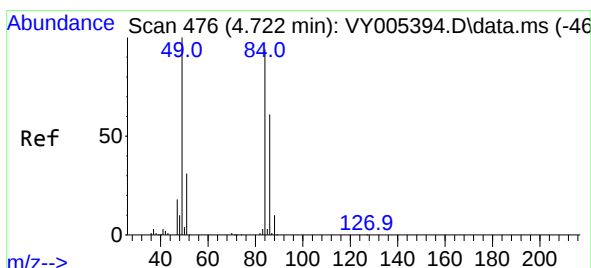
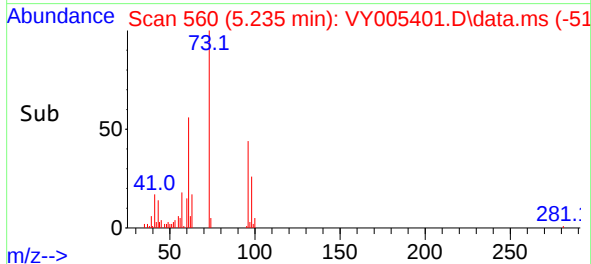
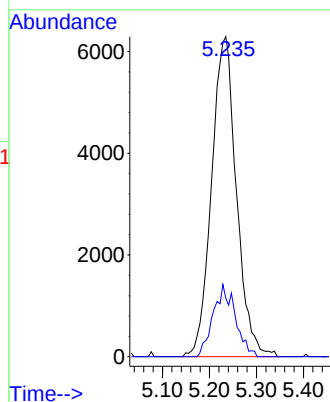
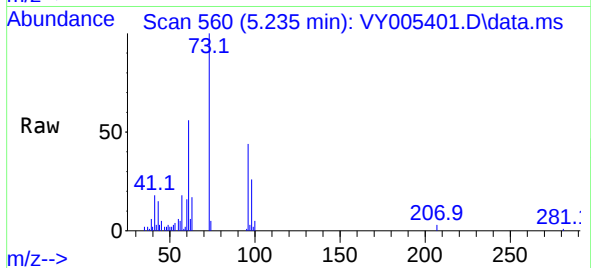
#19  
Methyl tert-butyl Ether  
Concen: 2.676 ug/l  
RT: 5.235 min Scan# 560  
Delta R.T. 0.007 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 73 Resp: 23117  
Ion Ratio Lower Upper  
73 100  
57 18.2 16.2 24.2

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

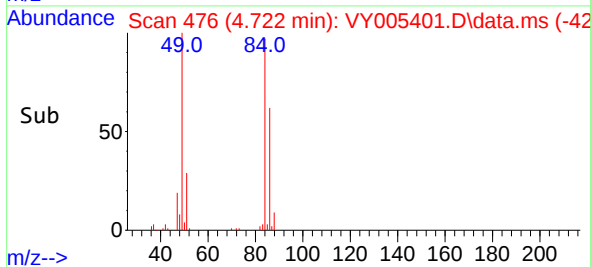
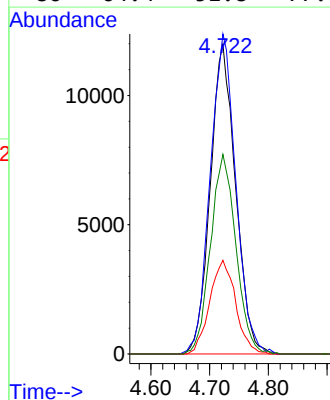
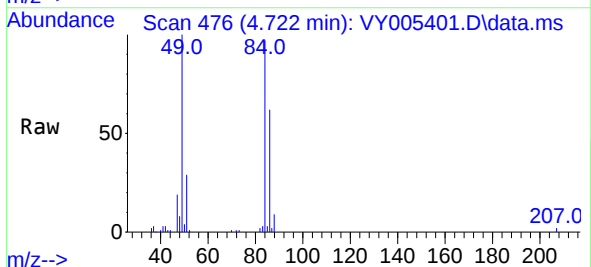
Manual Integrations  
APPROVED

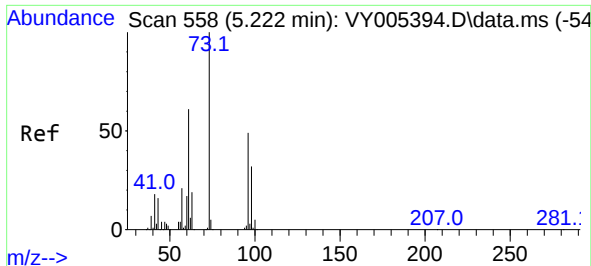
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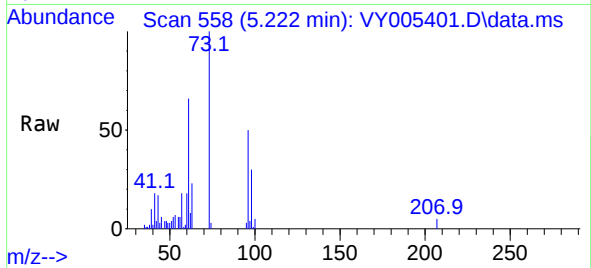
#20  
Methylene Chloride  
Concen: 7.703 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 84 Resp: 35835  
Ion Ratio Lower Upper  
84 100  
49 103.3 84.8 127.2  
51 30.2 25.9 38.9  
86 64.4 51.8 77.6

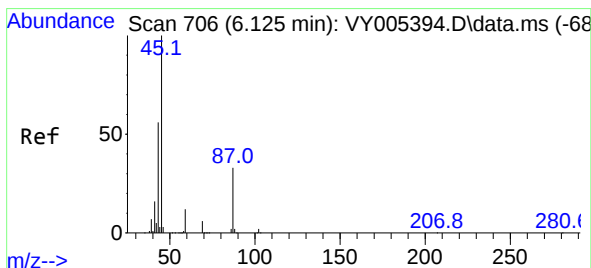
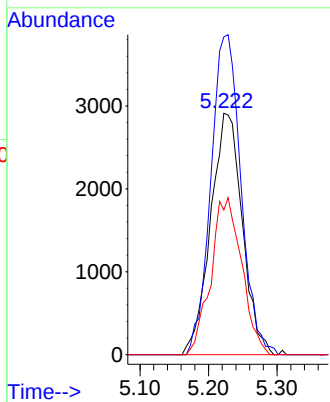
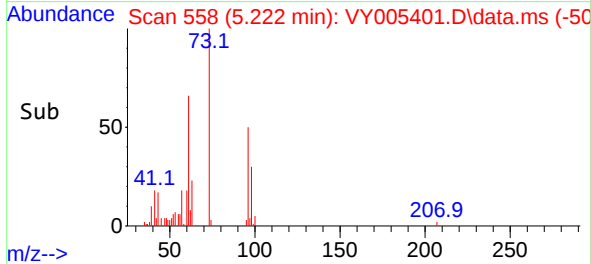




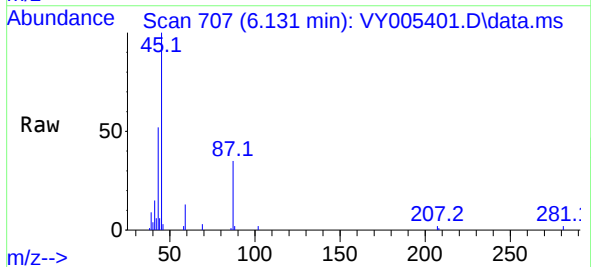
#21  
trans-1,2-Dichloroethene  
Concen: 2.630 ug/l  
RT: 5.222 min Scan# 558  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



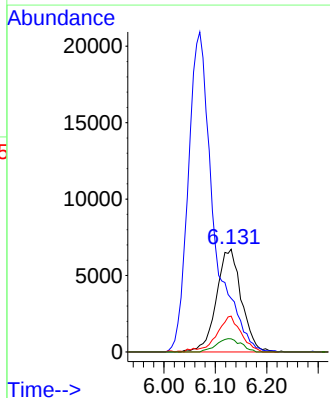
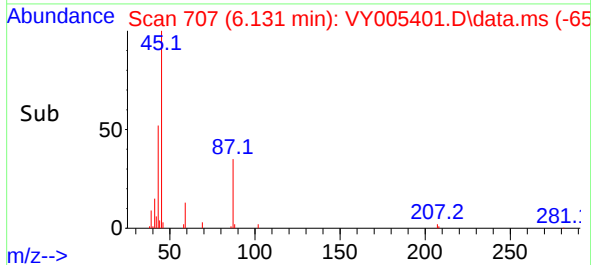
Tgt Ion: 96 Resp: 9357  
Ion Ratio Lower Upper  
96 100  
61 131.7 100.3 150.5  
98 59.9 52.2 78.2



#22  
Diisopropyl ether  
Concen: 2.562 ug/l  
RT: 6.131 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



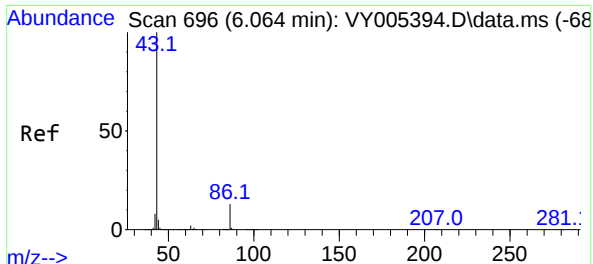
Tgt Ion: 45 Resp: 22662  
Ion Ratio Lower Upper  
45 100  
43 52.2 45.4 68.2  
87 34.9 26.9 40.3  
59 12.8 10.0 15.0



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

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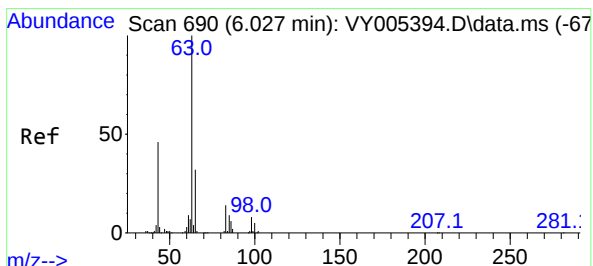
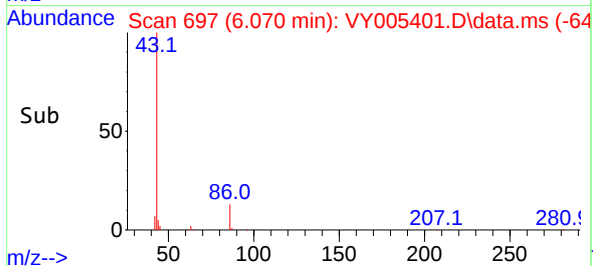
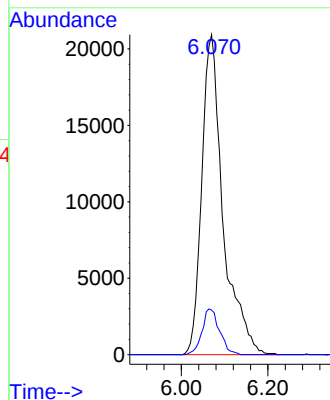
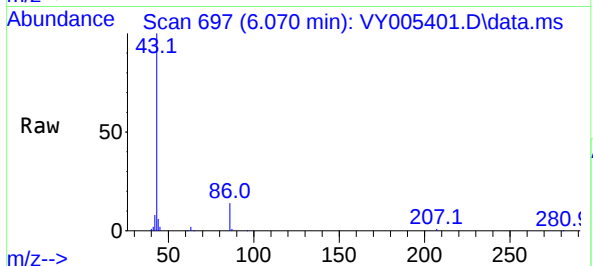
#23  
Vinyl Acetate  
Concen: 12.226 ug/l  
RT: 6.070 min Scan# 697  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 43 Resp: 71568  
Ion Ratio Lower Upper  
43 100  
86 14.0 10.5 15.7

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

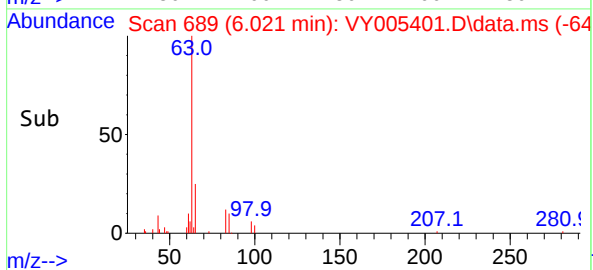
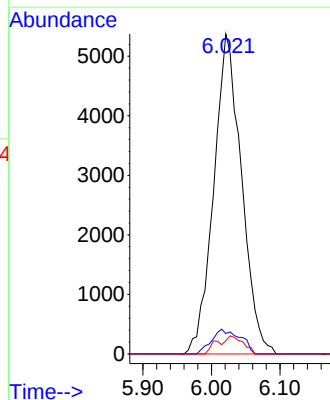
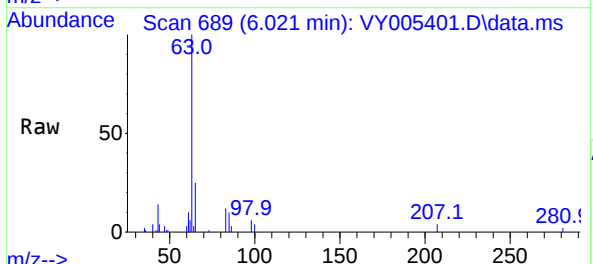
Manual Integrations  
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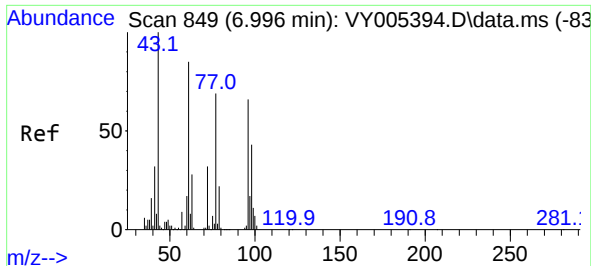
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#24  
1,1-Dichloroethane  
Concen: 2.703 ug/l  
RT: 6.021 min Scan# 689  
Delta R.T. -0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 63 Resp: 15093  
Ion Ratio Lower Upper  
63 100  
98 6.4 3.8 11.4  
100 4.1 2.5 7.4





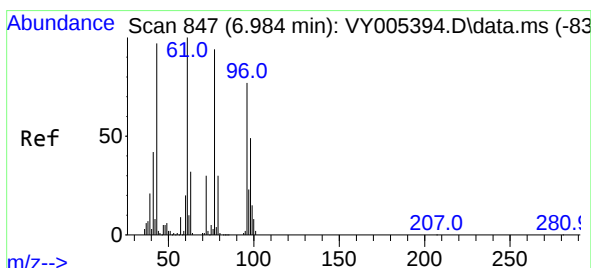
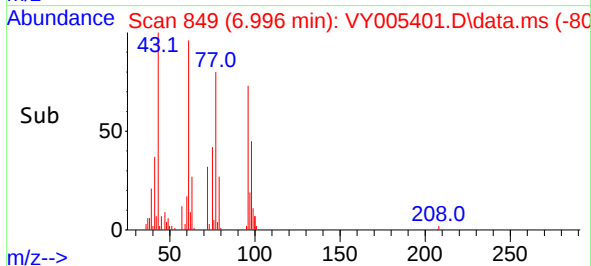
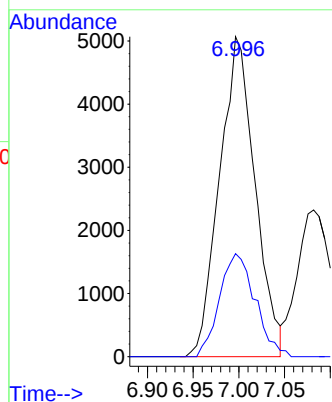
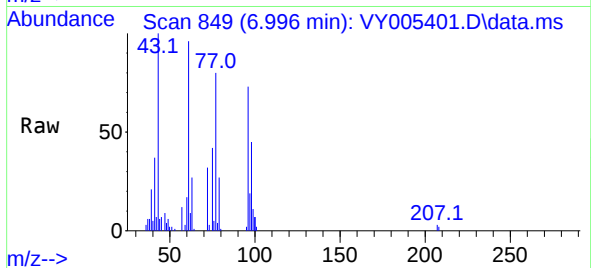
#25  
2-Butanone  
Concen: 12.939 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 43 Resp: 13694  
Ion Ratio Lower Upper  
43 100  
72 32.2 25.3 37.9

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

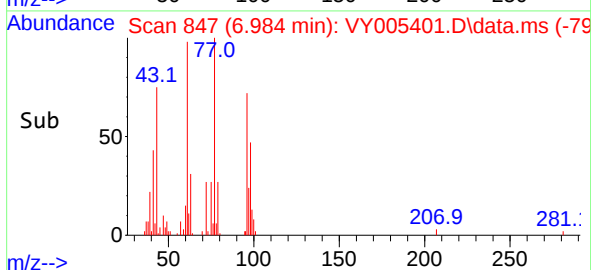
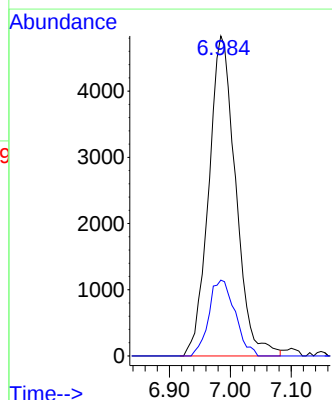
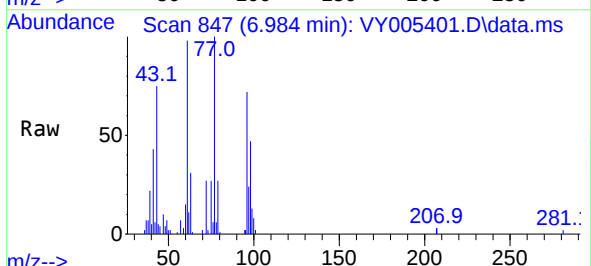
Manual Integrations  
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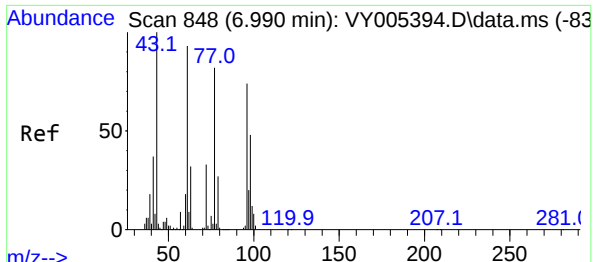
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#26  
2,2-Dichloropropane  
Concen: 2.866 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

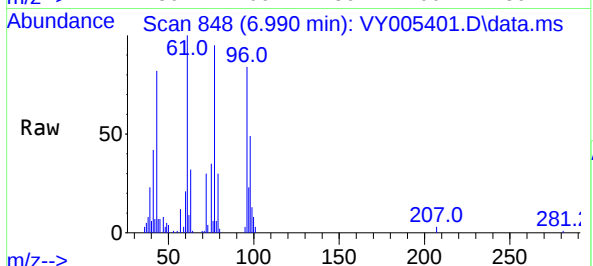
Tgt Ion: 77 Resp: 14852  
Ion Ratio Lower Upper  
77 100  
97 23.0 12.0 36.1





#27  
 cis-1,2-Dichloroethene  
 Concen: 2.687 ug/l  
 RT: 6.990 min Scan# 848  
 Delta R.T. -0.000 min  
 Lab File: VY005401.D  
 Acq: 09 Jul 2021 16:27

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

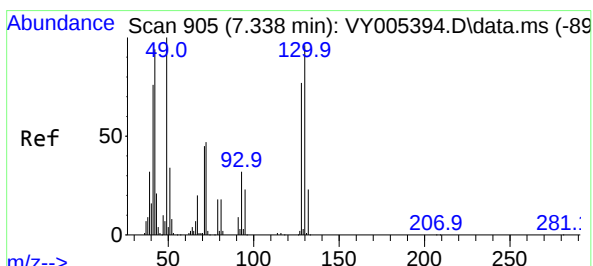
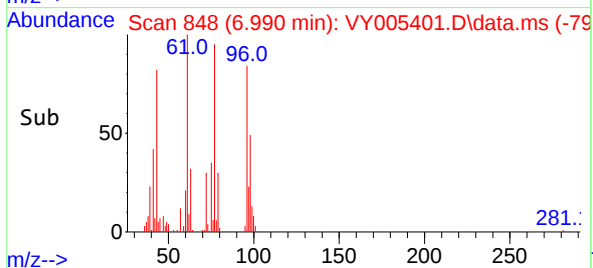
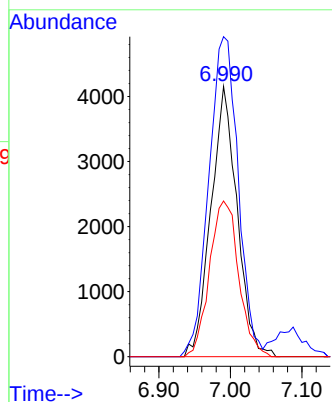


Tgt Ion: 96 Resp: 10585

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.6 | 0.0   | 261.4 |
| 98  | 64.0  | 0.0   | 129.2 |

Manual Integrations  
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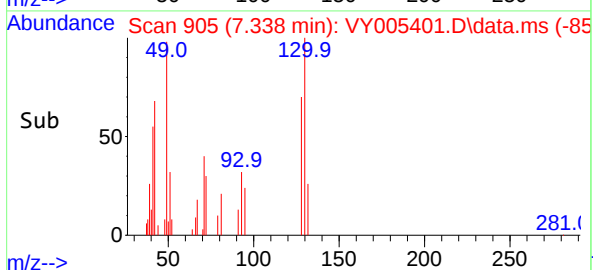
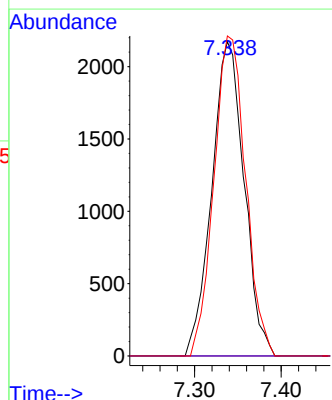
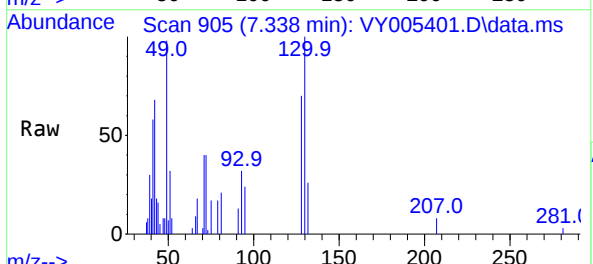
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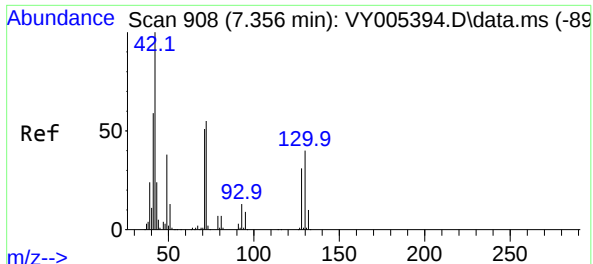


#28  
 Bromochloromethane  
 Concen: 2.686 ug/l  
 RT: 7.338 min Scan# 905  
 Delta R.T. -0.000 min  
 Lab File: VY005401.D  
 Acq: 09 Jul 2021 16:27

Tgt Ion: 49 Resp: 5629

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.0   | 0.0   | 5.2   |
| 130 | 100.0 | 80.6  | 120.8 |





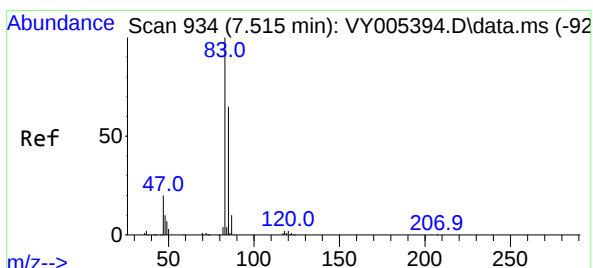
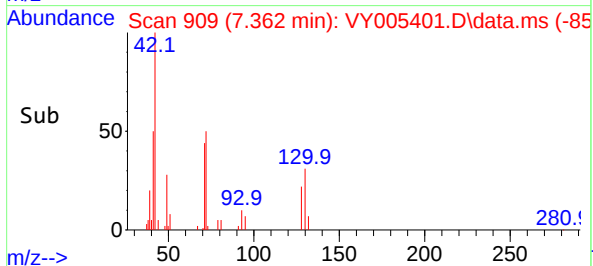
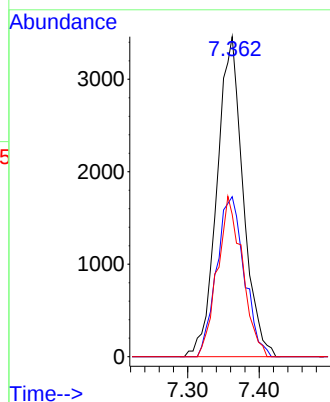
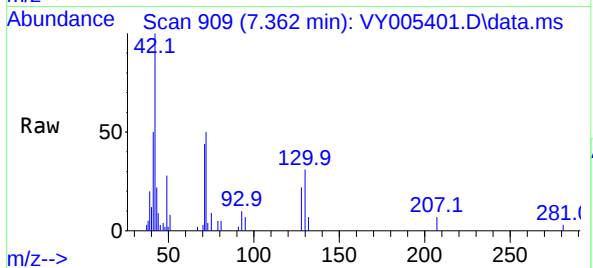
#29  
Tetrahydrofuran  
Concen: 12.516 ug/l  
RT: 7.362 min Scan# 909  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 8787  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 52.9  | 41.8  | 62.6  |
| 71       | 47.8  | 39.8  | 59.6  |

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

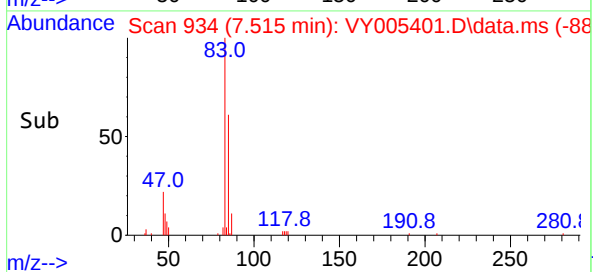
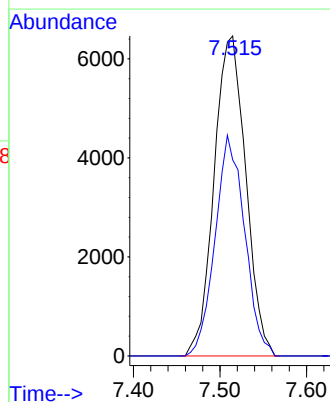
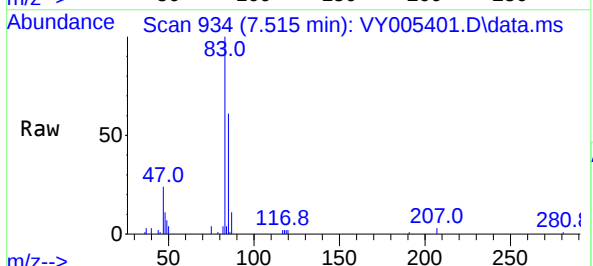
Manual Integrations  
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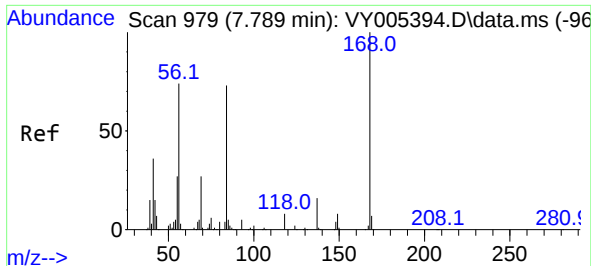
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#30  
Chloroform  
Concen: 2.743 ug/l  
RT: 7.515 min Scan# 934  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

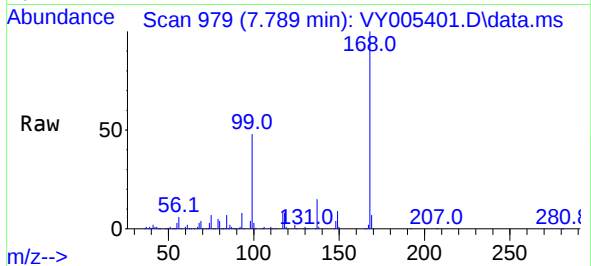
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 16416 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.3  | 51.7  | 77.5  |





#31  
Cyclohexane  
Concen: 3.366 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

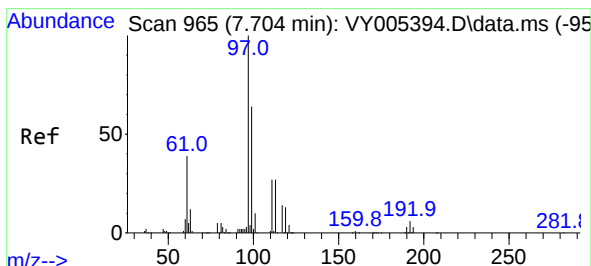
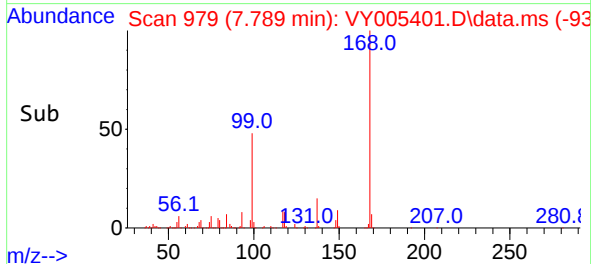
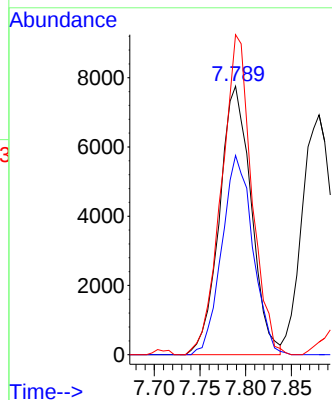
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



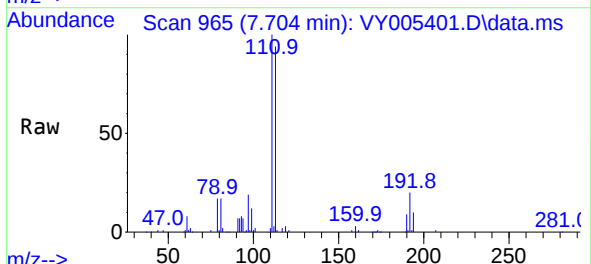
Tgt Ion: 56 Resp: 18712  
Ion Ratio Lower Upper  
56 100  
69 74.2 28.8 43.2#  
84 119.2 78.6 118.0#

Manual Integrations  
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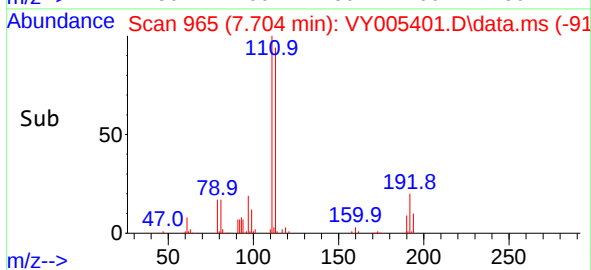
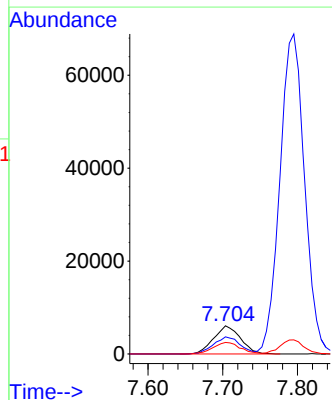
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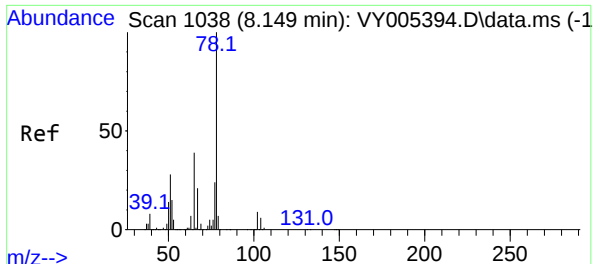


#32  
1,1,1-Trichloroethane  
Concen: 2.725 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



Tgt Ion: 97 Resp: 15100  
Ion Ratio Lower Upper  
97 100  
99 59.8 51.0 76.4  
61 41.8 30.6 46.0





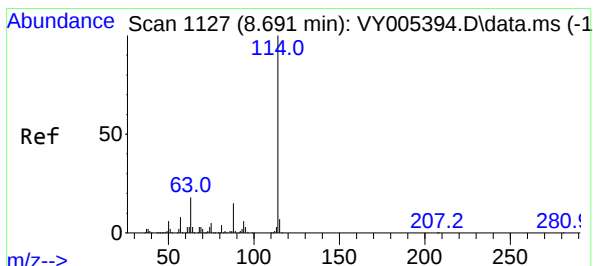
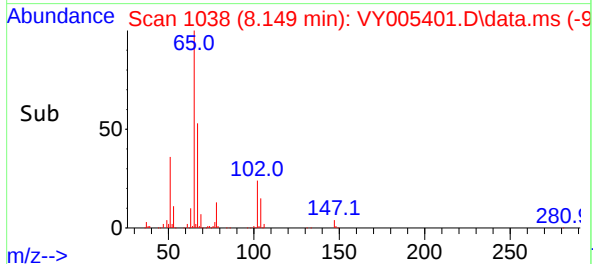
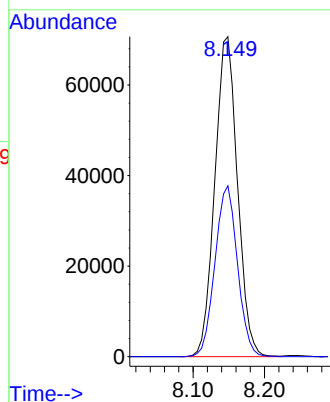
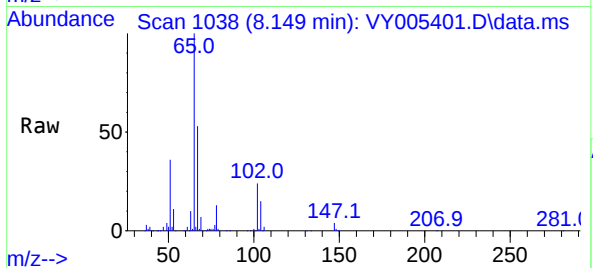
#33  
1,2-Dichloroethane-d4  
Concen: 49.595 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 65 Resp: 155581  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 106.0

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

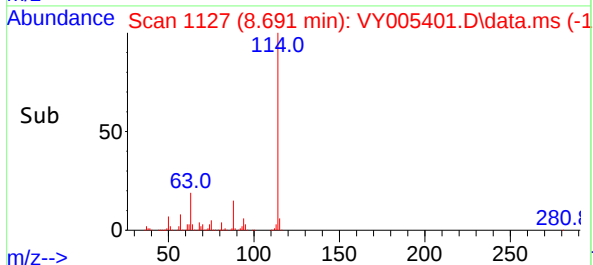
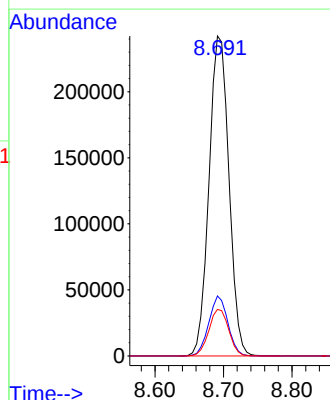
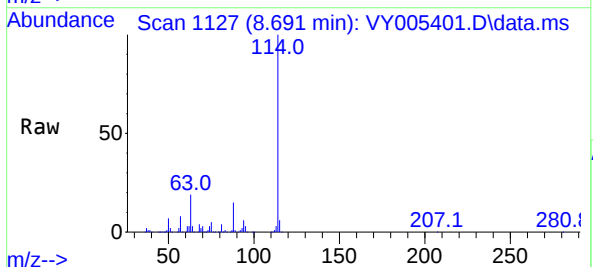
Manual Integrations  
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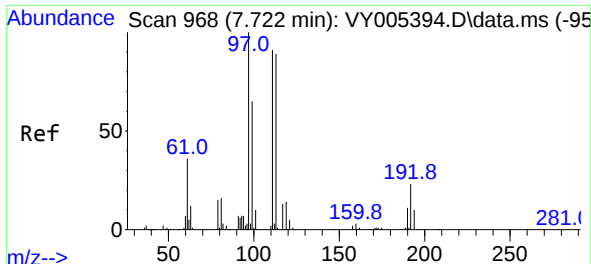
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#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

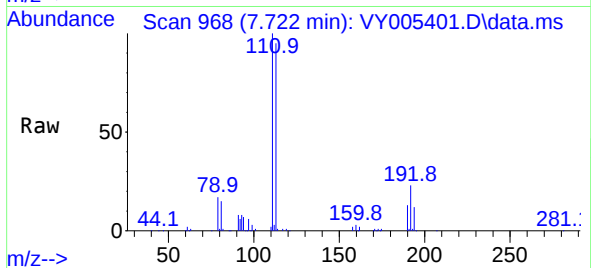
Tgt Ion: 114 Resp: 488646  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 35.2  
88 14.6 0.0 29.4





#35  
Dibromofluoromethane  
Concen: 50.114 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

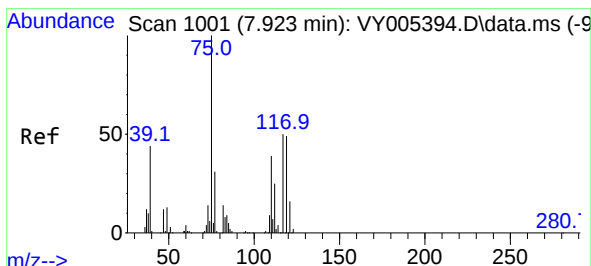
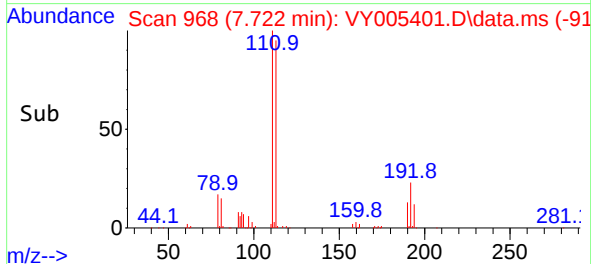
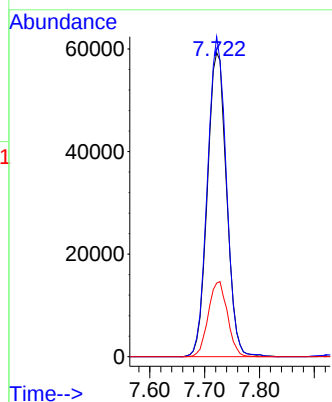
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



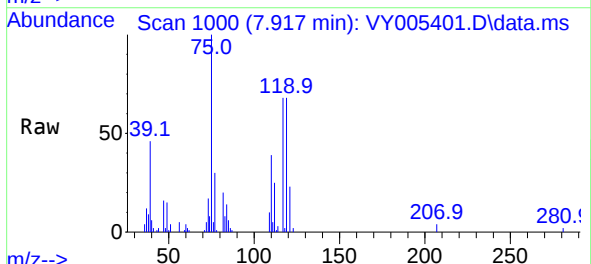
Tgt Ion:113 Resp: 143713  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.7 124.1  
192 24.7 19.9 29.9

Manual Integrations  
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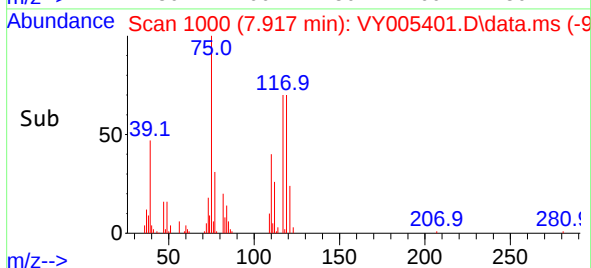
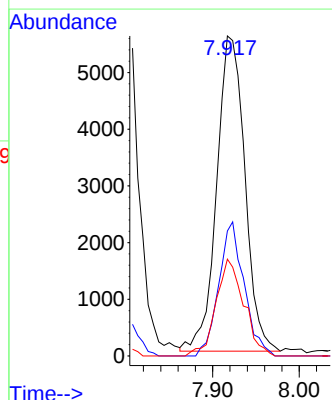
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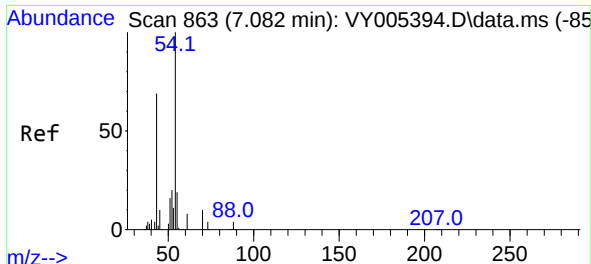


#36  
1,1-Dichloropropene  
Concen: 2.640 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



Tgt Ion: 75 Resp: 12593  
Ion Ratio Lower Upper  
75 100  
110 38.1 19.3 57.9  
77 30.3 24.7 37.1





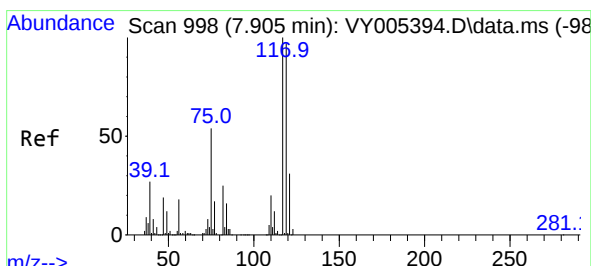
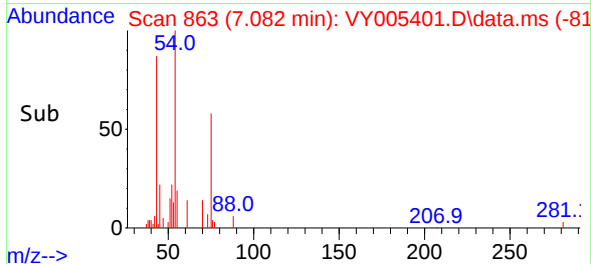
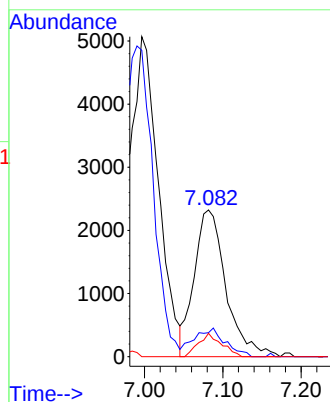
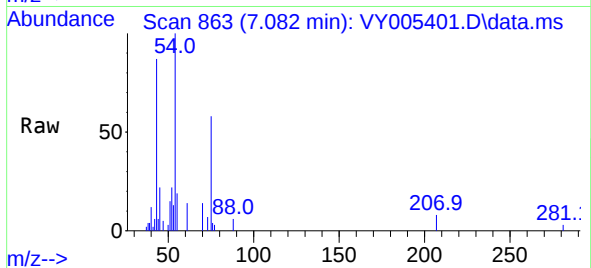
#37  
Ethyl Acetate  
Concen: 2.729 ug/l  
RT: 7.082 min Scan# 863  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 43 Resp: 6547  
Ion Ratio Lower Upper  
43 100  
61 19.3 12.6 19.0#  
70 11.6 10.0 15.0

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

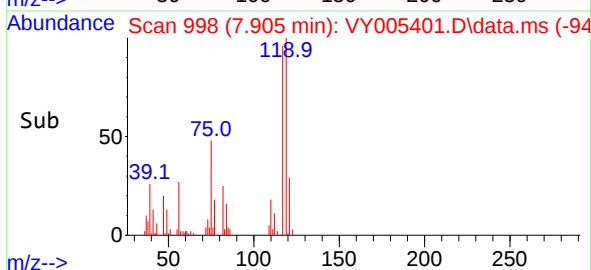
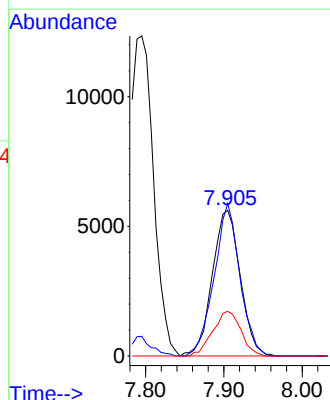
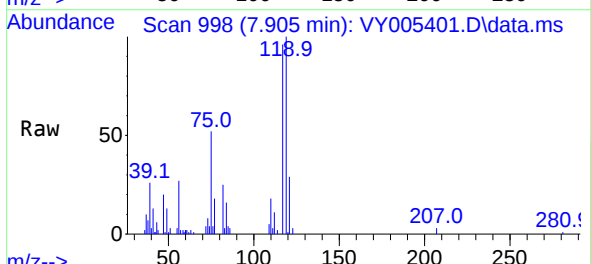
Manual Integrations  
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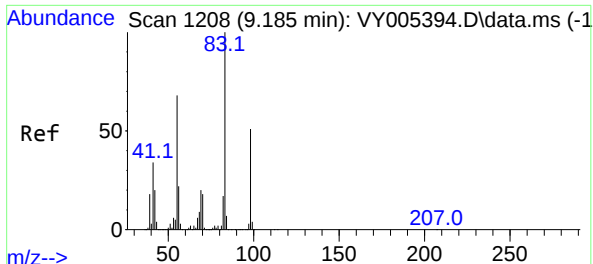
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#38  
Carbon Tetrachloride  
Concen: 2.607 ug/l  
RT: 7.905 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 117 Resp: 13906  
Ion Ratio Lower Upper  
117 100  
119 104.5 77.8 116.6  
121 30.6 24.8 37.2





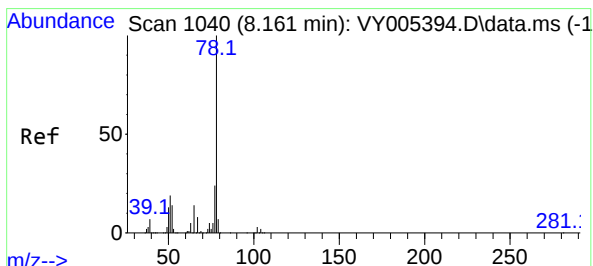
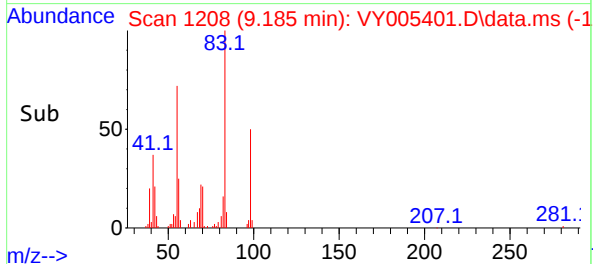
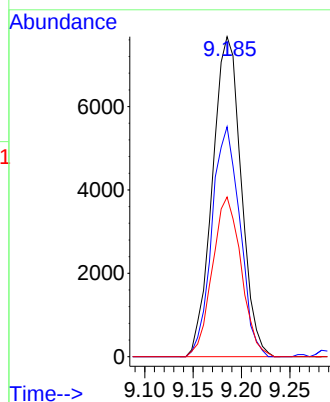
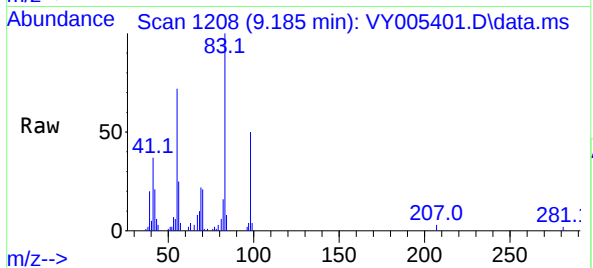
#39  
Methylcyclohexane  
Concen: 2.528 ug/l  
RT: 9.185 min Scan# 1208  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 83 Resp: 15872  
Ion Ratio Lower Upper  
83 100  
55 71.9 54.8 82.2  
98 49.9 40.7 61.1

Instrument :  
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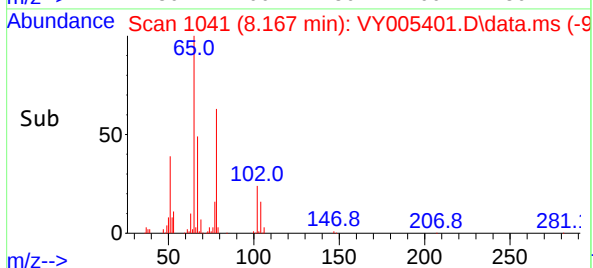
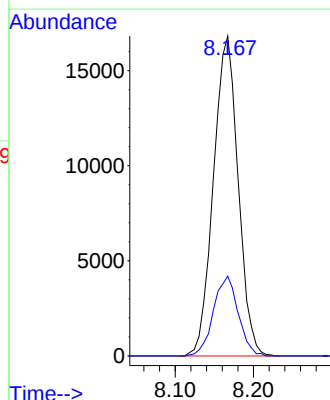
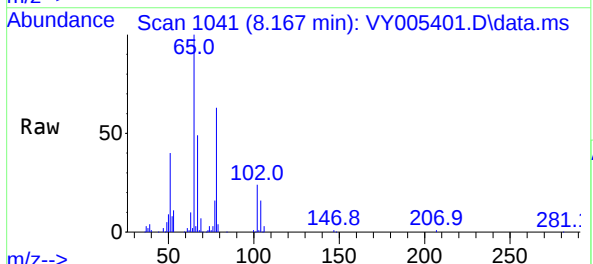
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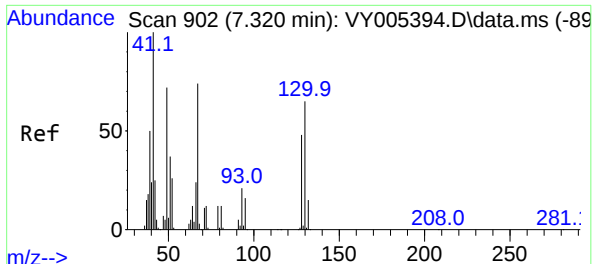
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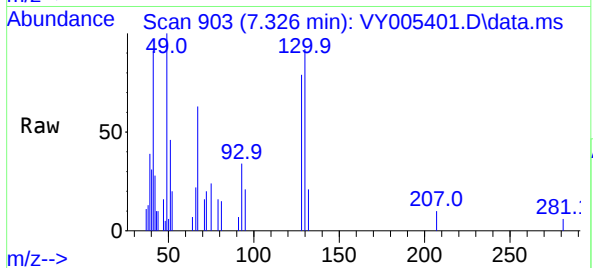
#40  
Benzene  
Concen: 2.635 ug/l  
RT: 8.167 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 78 Resp: 36837  
Ion Ratio Lower Upper  
78 100  
77 24.9 19.0 28.6

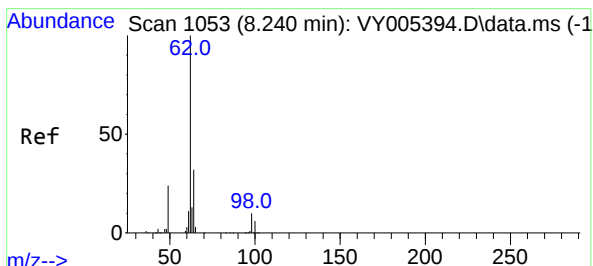
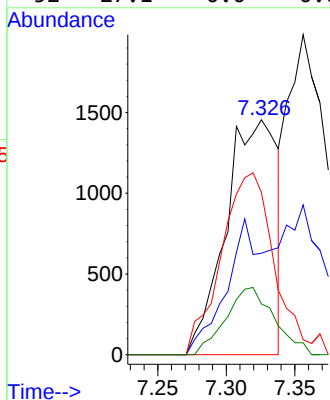
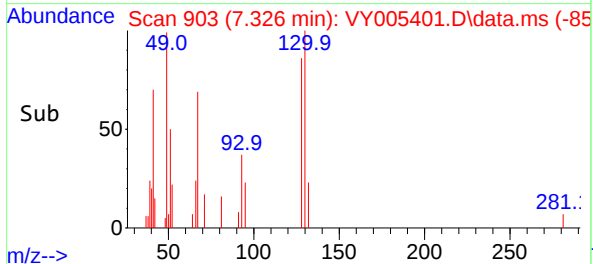




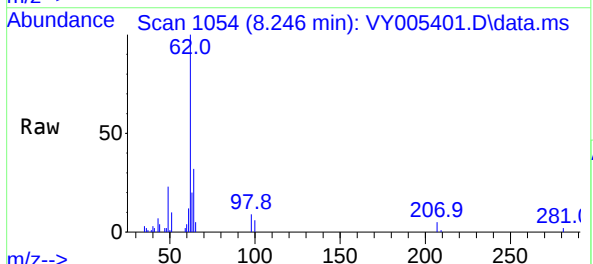
#41  
Methacrylonitrile  
Concen: 2.770 ug/l  
RT: 7.326 min Scan# 903  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



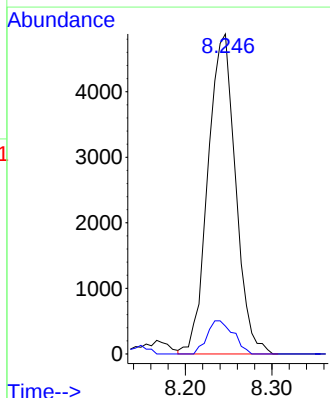
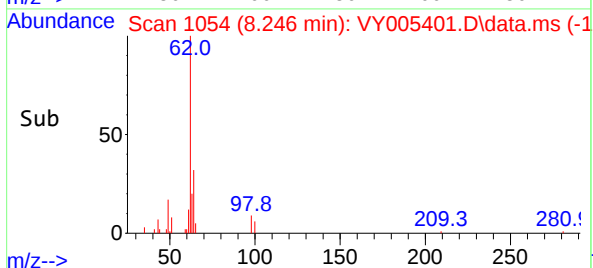
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 3789  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 37.5  | 0.0   | 0.0#  |
| 67       | 80.6  | 0.0   | 0.0#  |
| 52       | 27.1  | 0.0   | 0.0#  |



#42  
1,2-Dichloroethane  
Concen: 2.679 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



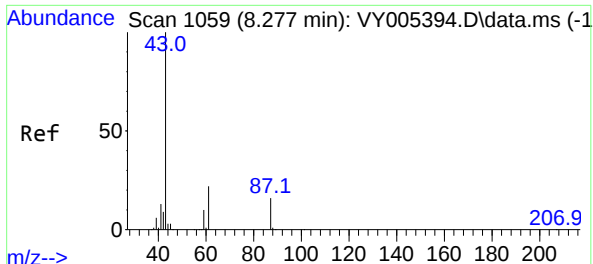
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 10818 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.9   | 0.0   | 21.0  |



Instrument :  
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#43

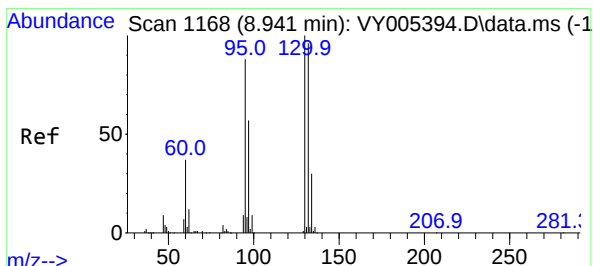
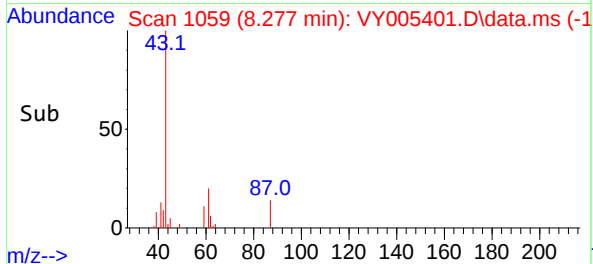
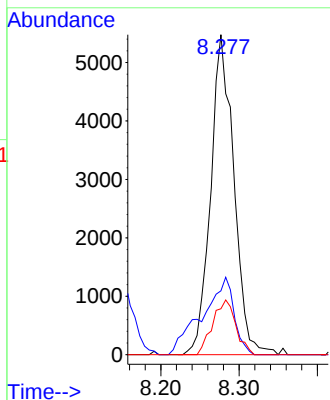
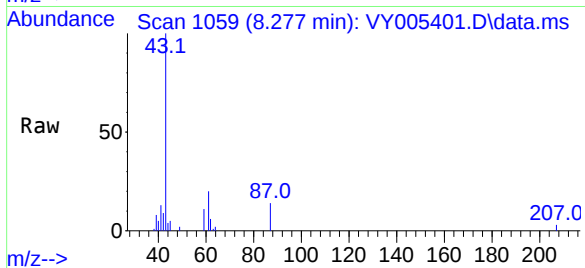
Isopropyl Acetate  
Concen: 2.567 ug/l  
RT: 8.277 min Scan# 1059  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 11294 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 33.2  | 25.7  | 38.5  |
| 87        | 17.0  | 13.0  | 19.6  |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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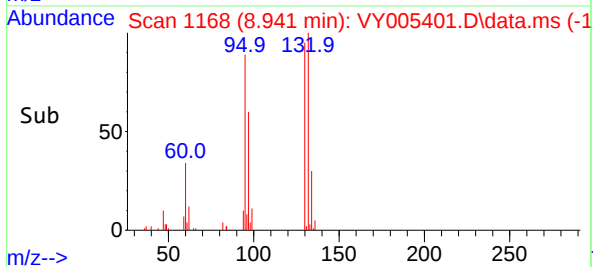
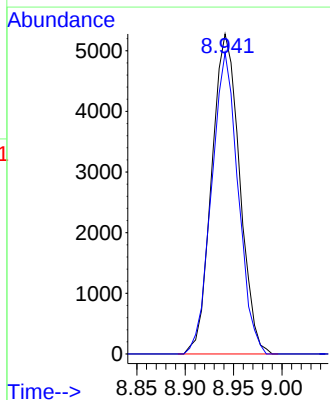
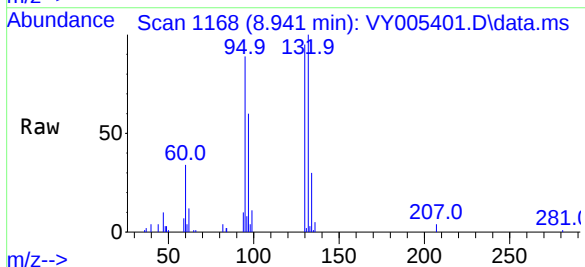
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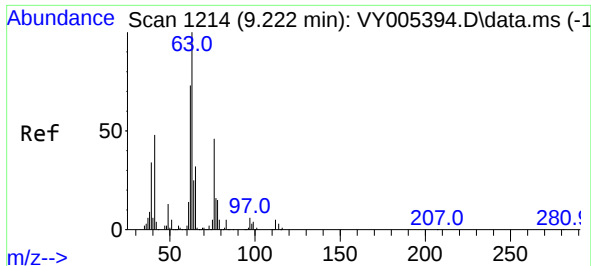


#44

Trichloroethene  
Concen: 2.568 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 10567 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 94.1  | 0.0   | 175.6 |





#45

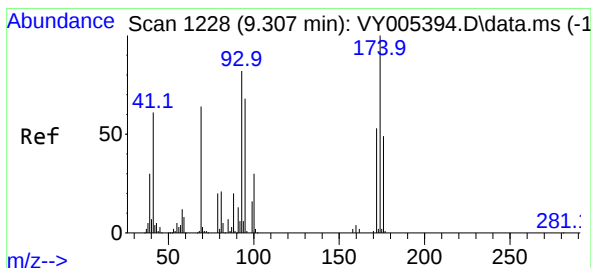
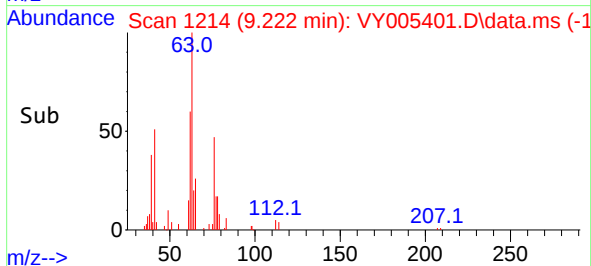
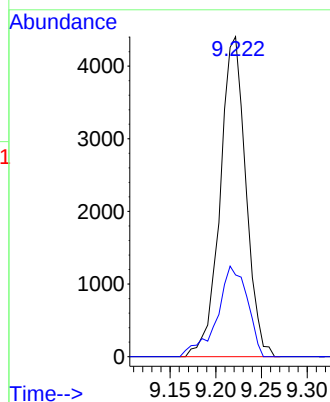
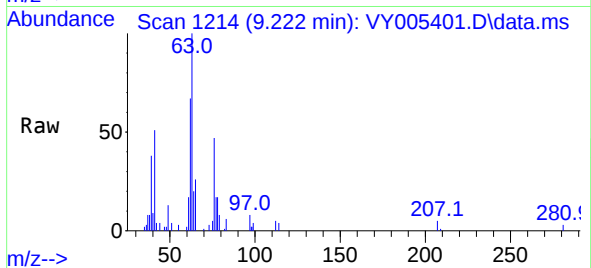
1,2-Dichloropropane  
Concen: 2.638 ug/l  
RT: 9.222 min Scan# 1214  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 63 Resp: 8618  
Ion Ratio Lower Upper  
63 100  
65 25.5 25.8 38.6#

Instrument :  
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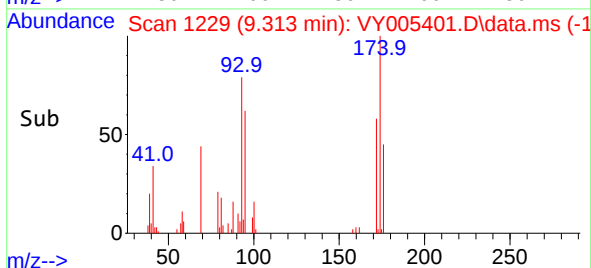
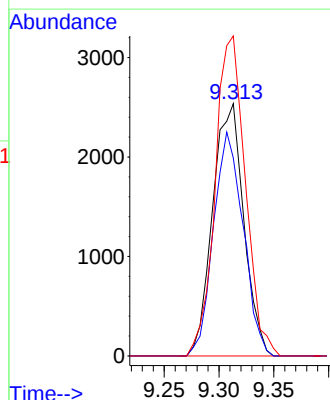
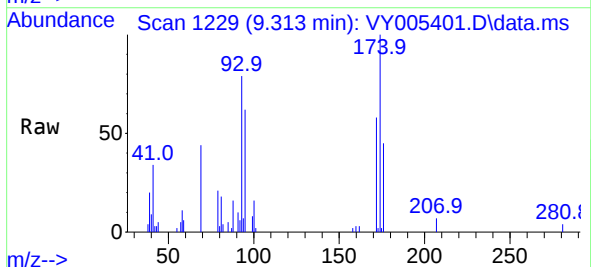
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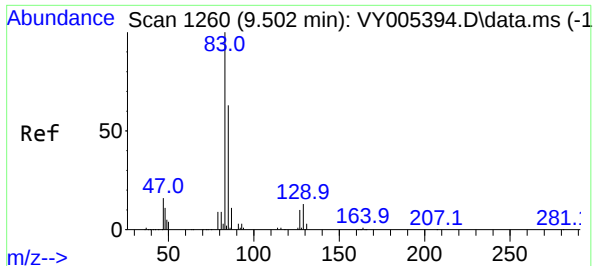


#46

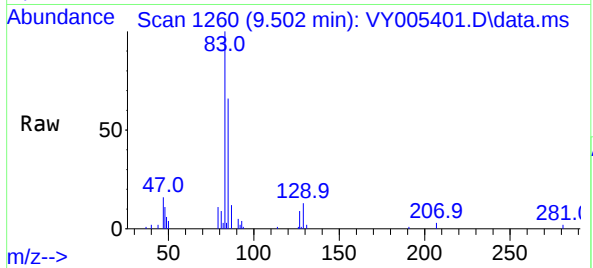
Dibromomethane  
Concen: 2.612 ug/l  
RT: 9.313 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 93 Resp: 4999  
Ion Ratio Lower Upper  
93 100  
95 84.8 66.5 99.7  
174 123.2 99.4 149.2

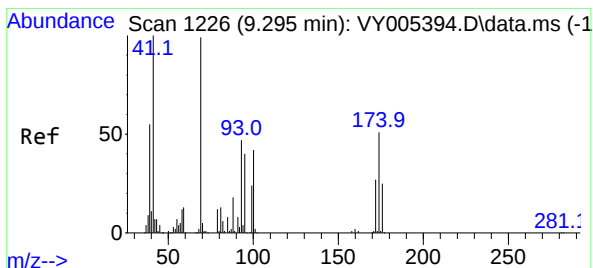
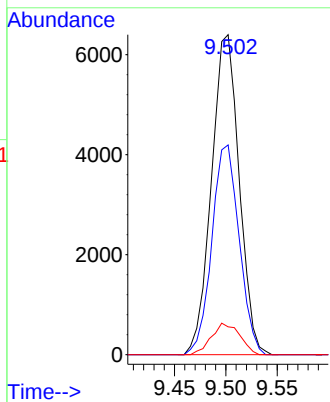
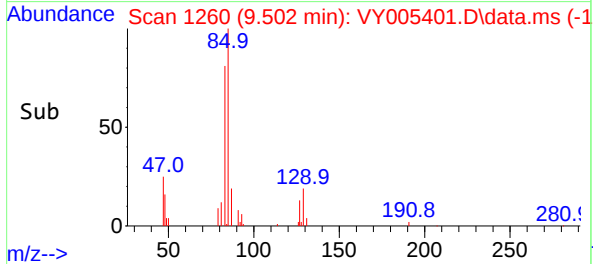




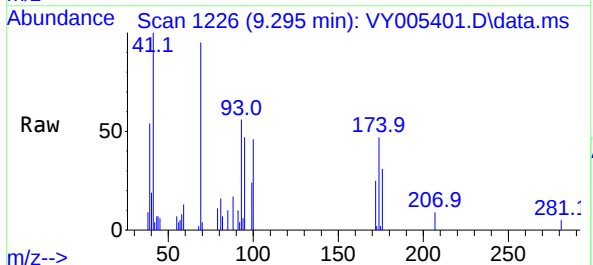
#47  
Bromodichloromethane  
Concen: 2.586 ug/l  
RT: 9.502 min Scan# 1260  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



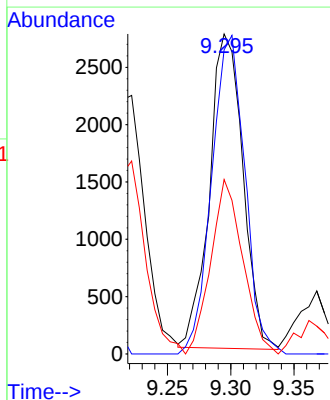
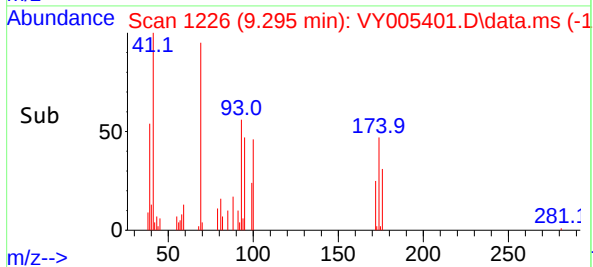
Tgt Ion: 83 Resp: 11984  
Ion Ratio Lower Upper  
83 100  
85 65.6 50.6 76.0  
127 8.7 7.6 11.4



#48  
Methyl methacrylate  
Concen: 2.478 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



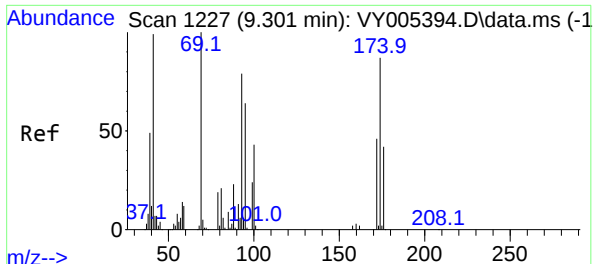
Tgt Ion: 41 Resp: 5040  
Ion Ratio Lower Upper  
41 100  
69 100.5 80.6 121.0  
39 53.0 43.3 64.9



Instrument :  
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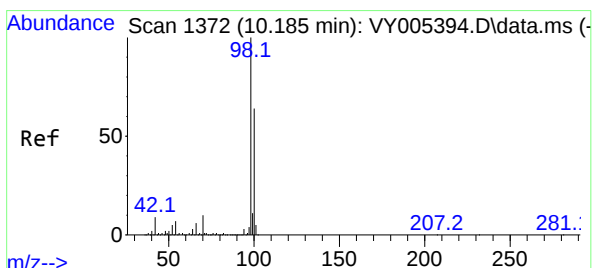
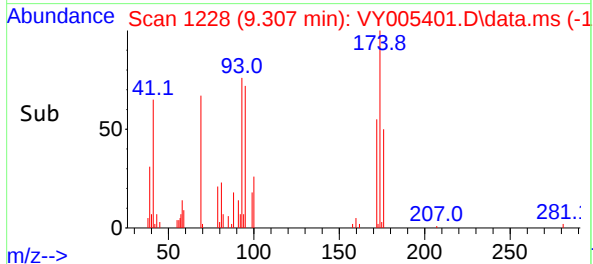
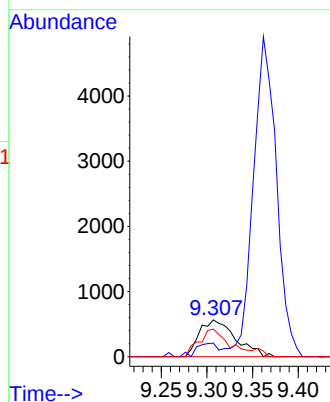
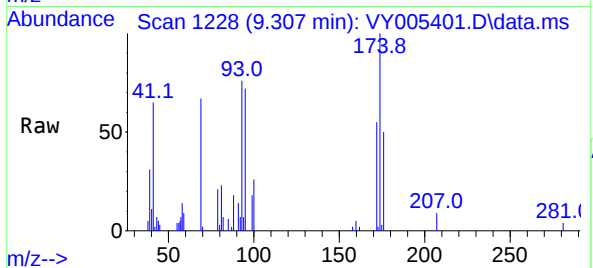
#49  
1,4-Dioxane  
Concen: 50.348 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 88 Resp: 1544  
Ion Ratio Lower Upper  
88 100  
43 24.7 19.5 29.3  
58 68.7 44.7 67.1#

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

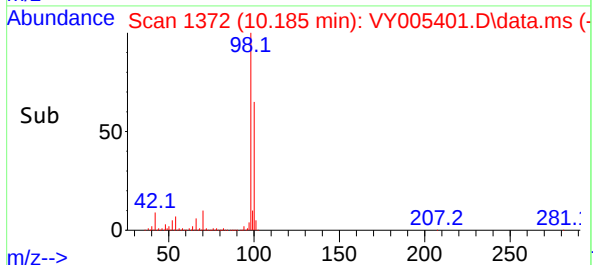
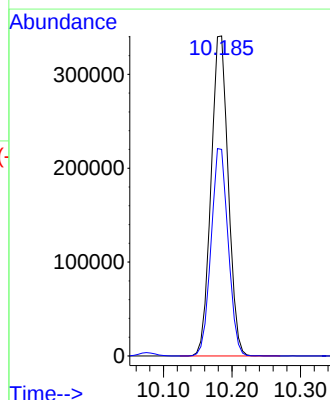
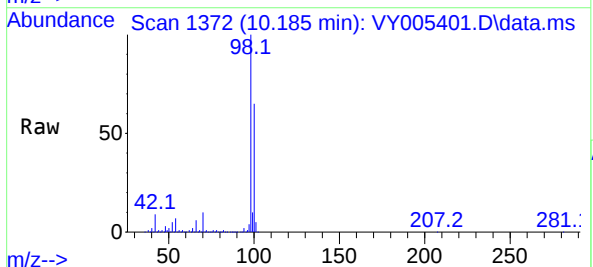
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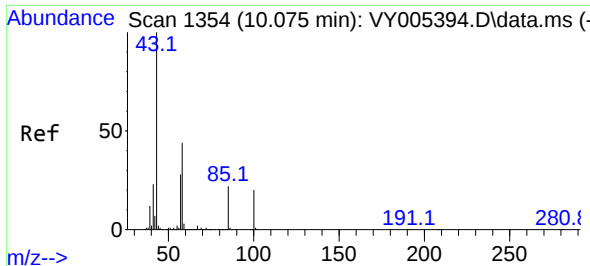
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#50  
Toluene-d8  
Concen: 48.683 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 98 Resp: 594263  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.8 77.8





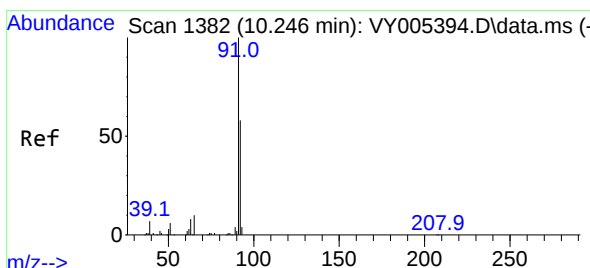
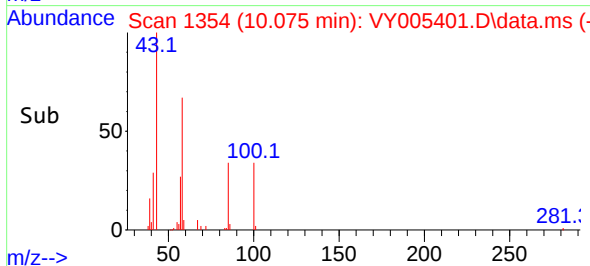
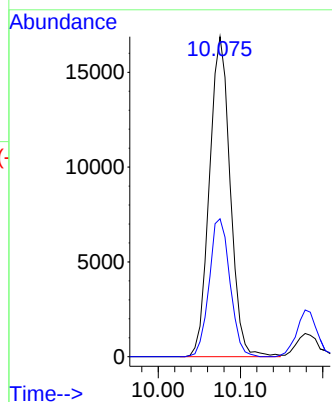
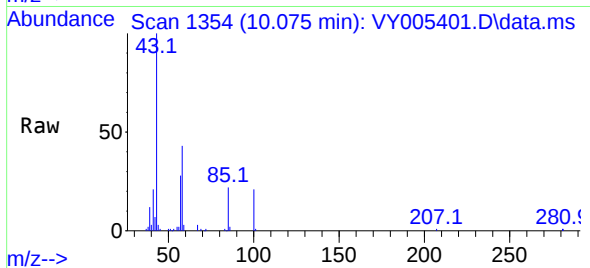
#51  
4-Methyl-2-Pentanone  
Concen: 12.177 ug/l  
RT: 10.075 min Scan# 1354  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 43 Resp: 29607  
Ion Ratio Lower Upper  
43 100  
58 43.2 34.8 52.2

Instrument :  
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ClientSampleId :  
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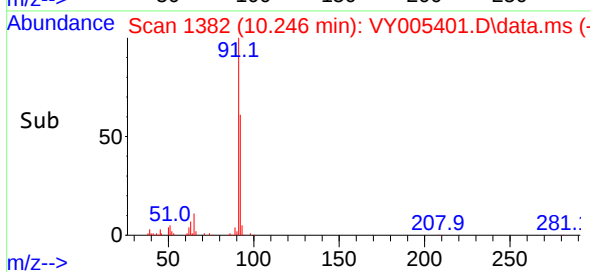
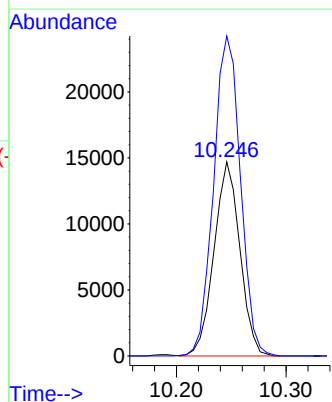
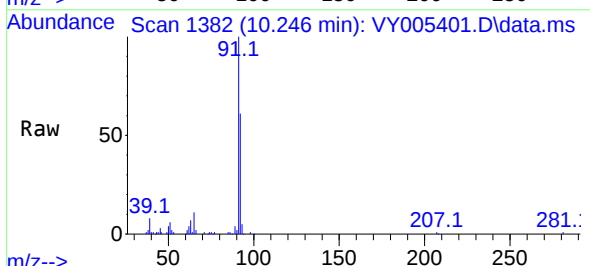
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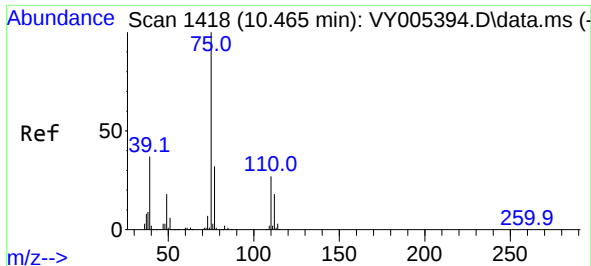
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#52  
Toluene  
Concen: 2.618 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 92 Resp: 24094  
Ion Ratio Lower Upper  
92 100  
91 171.3 138.8 208.2





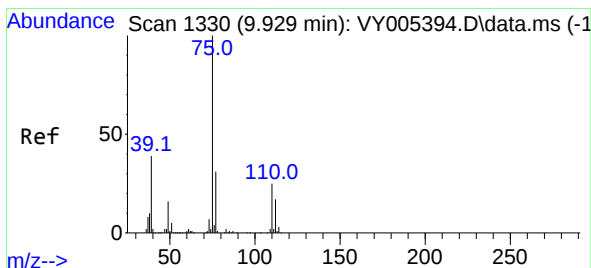
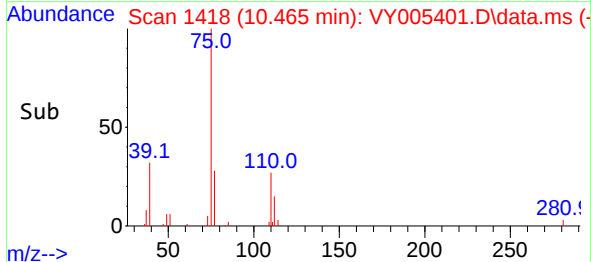
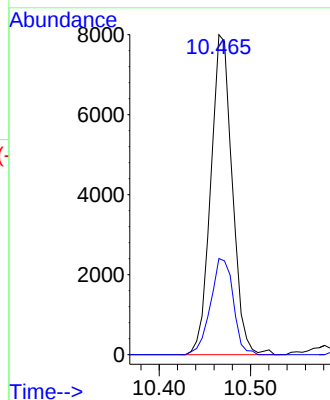
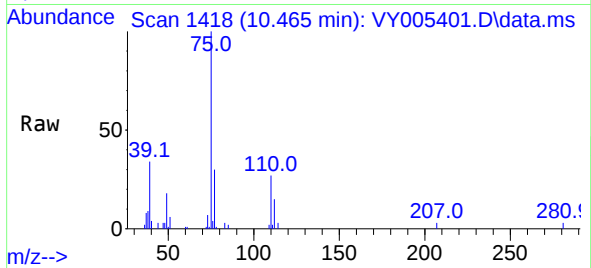
#53  
t-1,3-Dichloropropene  
Concen: 2.521 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 75 Resp: 13046  
Ion Ratio Lower Upper  
75 100  
77 30.0 25.4 38.0

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

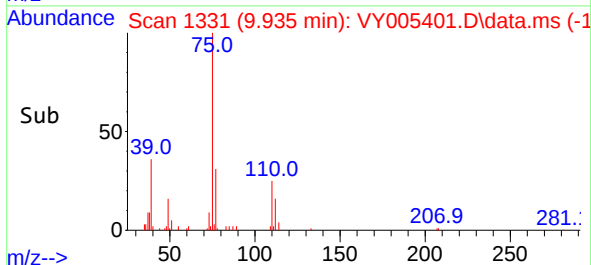
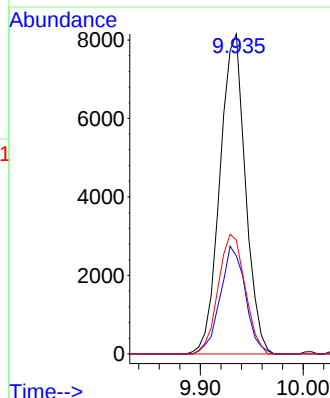
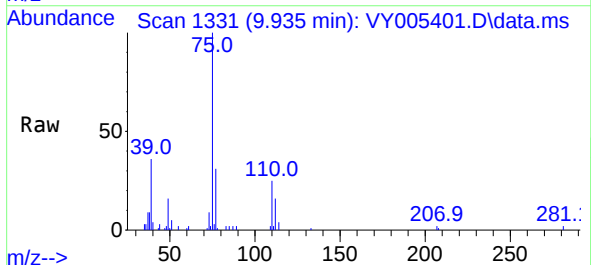
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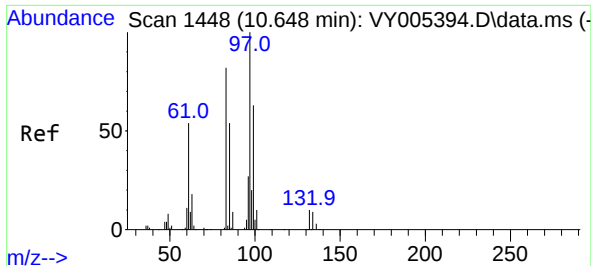
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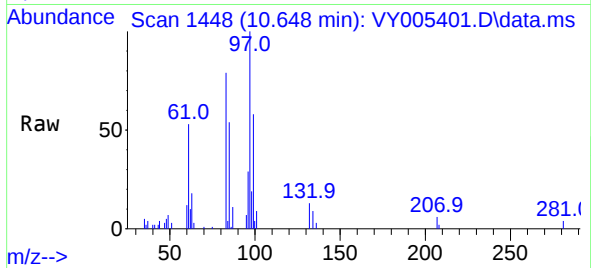
#54  
cis-1,3-Dichloropropene  
Concen: 2.458 ug/l  
RT: 9.935 min Scan# 1331  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 75 Resp: 14023  
Ion Ratio Lower Upper  
75 100  
77 30.7 25.1 37.7  
39 35.6 31.5 47.3

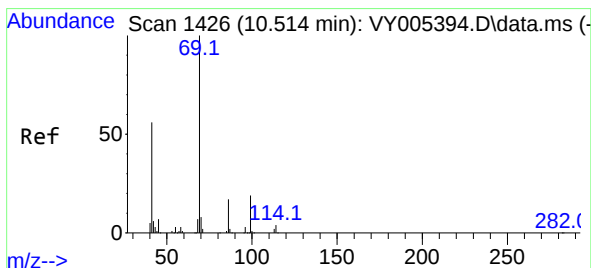
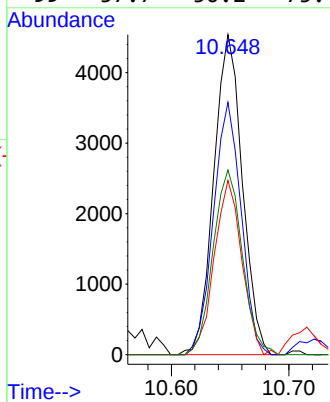
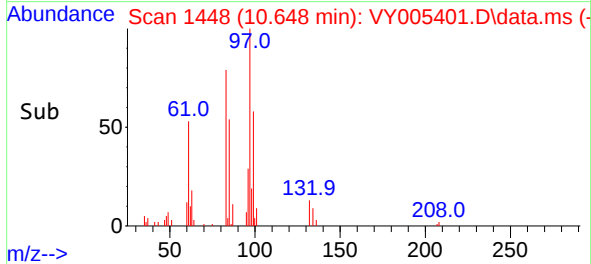




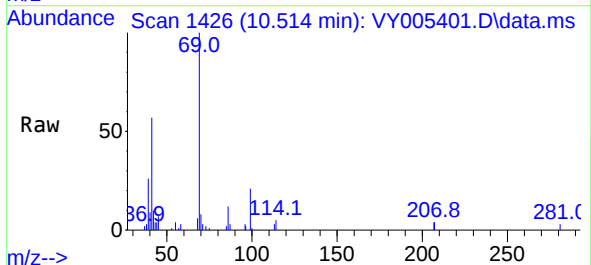
#55  
1,1,2-Trichloroethane  
Concen: 2.701 ug/l  
RT: 10.648 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



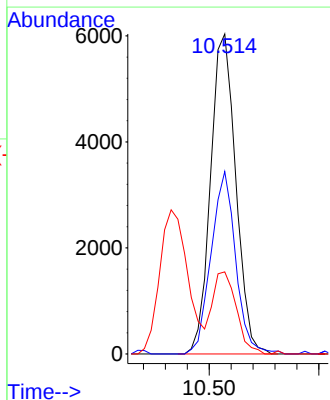
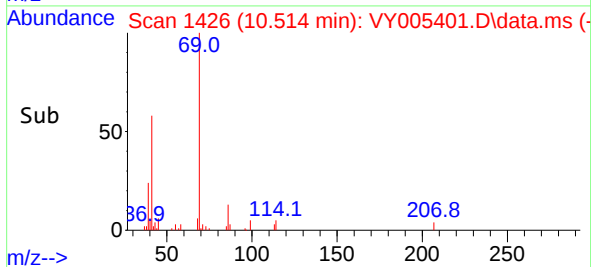
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 7671  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 78.8  | 65.8  | 98.8  |
| 85       | 54.5  | 43.0  | 64.6  |
| 99       | 57.7  | 50.2  | 75.4  |



#56  
Ethyl methacrylate  
Concen: 2.445 ug/l  
RT: 10.514 min Scan# 1426  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



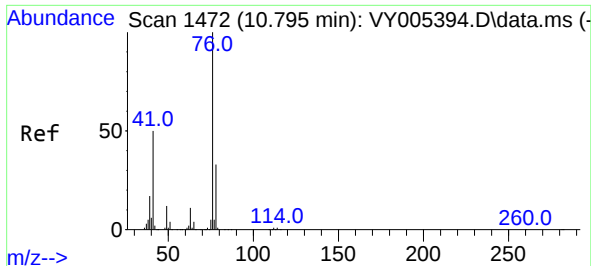
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 9652  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 55.7  | 45.9  | 68.9  |
| 39       | 24.2  | 22.4  | 33.6  |



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

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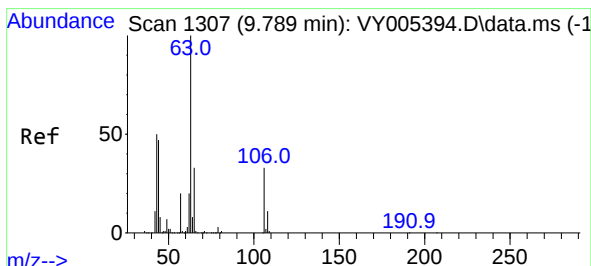
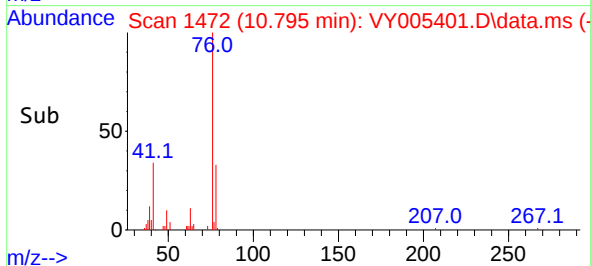
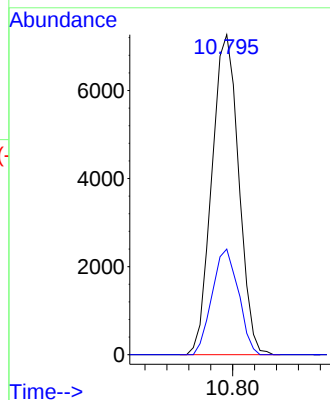
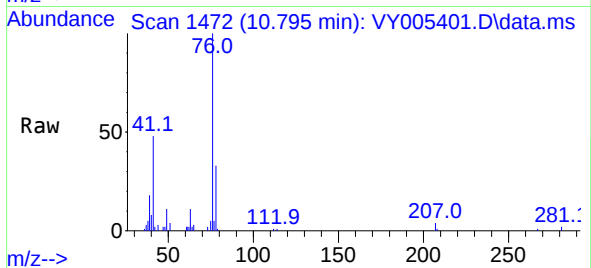
#57  
1,3-Dichloropropane  
Concen: 2.580 ug/l  
RT: 10.795 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 76 Resp: 12369  
Ion Ratio Lower Upper  
76 100  
78 32.4 26.0 39.0

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

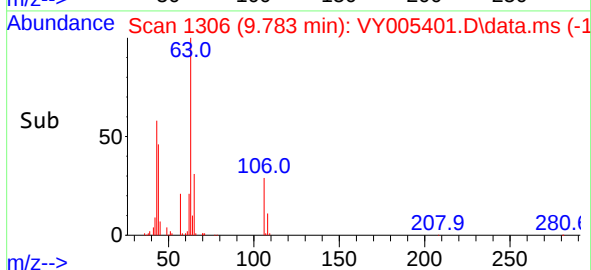
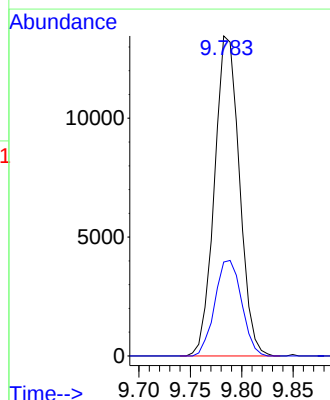
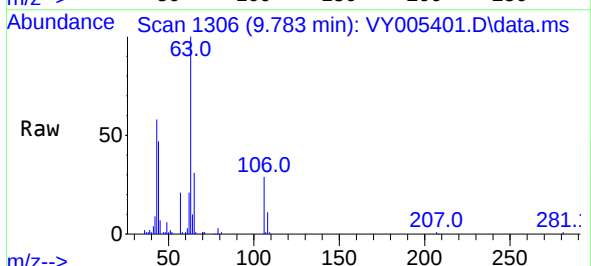
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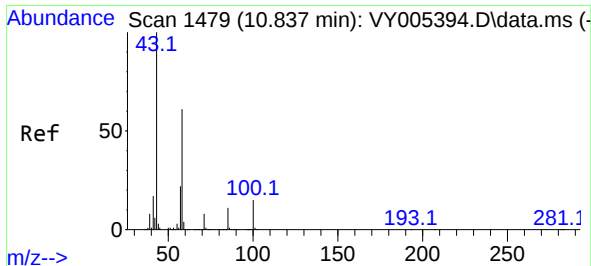
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#58  
2-Chloroethyl Vinyl ether  
Concen: 13.454 ug/l  
RT: 9.783 min Scan# 1306  
Delta R.T. -0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

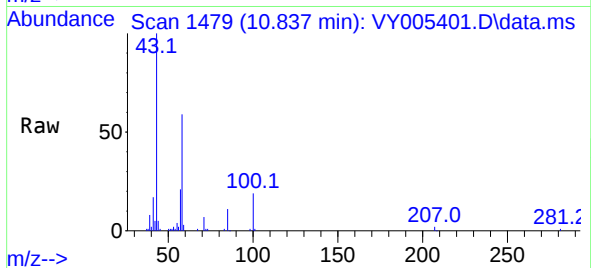
Tgt Ion: 63 Resp: 22706  
Ion Ratio Lower Upper  
63 100  
106 32.0 25.8 38.6





#59  
2-Hexanone  
Concen: 12.008 ug/l  
RT: 10.837 min Scan# 1479  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

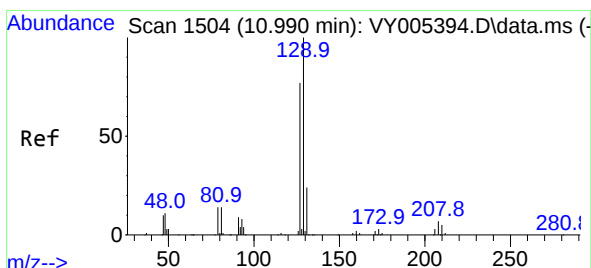
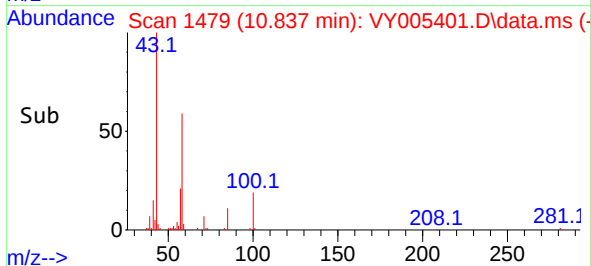
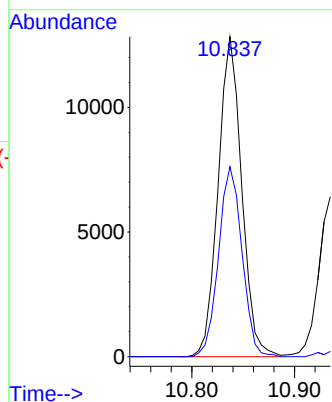
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



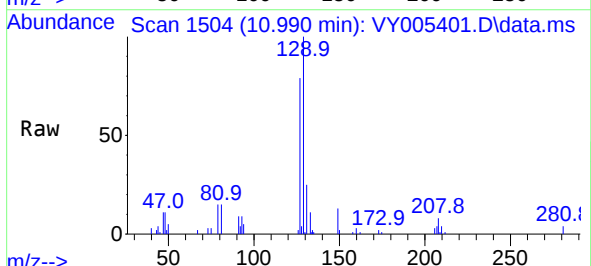
Tgt Ion: 43 Resp: 20391  
Ion Ratio Lower Upper  
43 100  
58 59.1 30.4 91.2

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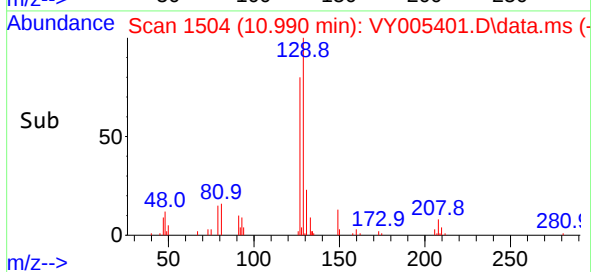
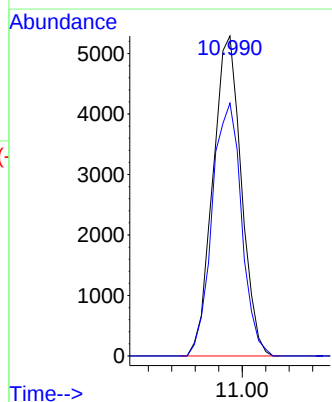
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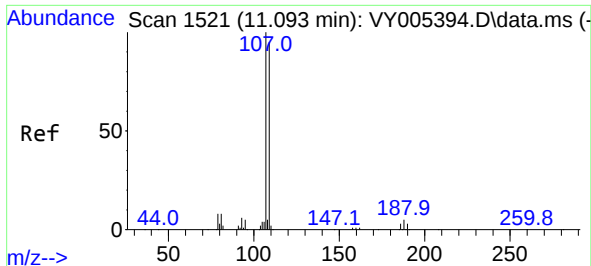


#60  
Dibromochloromethane  
Concen: 2.507 ug/l  
RT: 10.990 min Scan# 1504  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



Tgt Ion: 129 Resp: 8896  
Ion Ratio Lower Upper  
129 100  
127 81.7 38.4 115.1





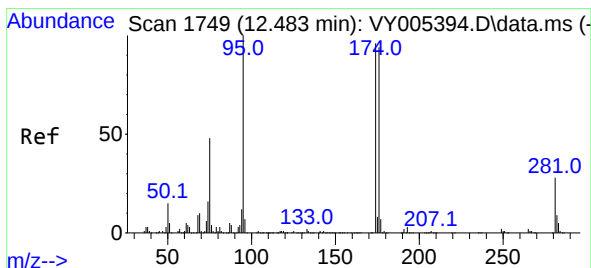
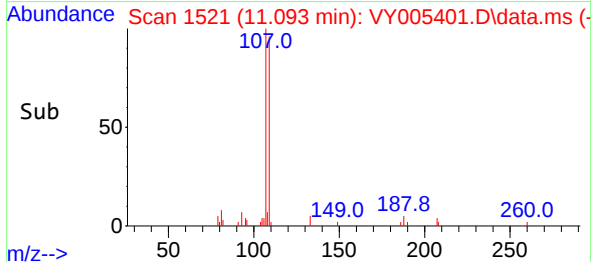
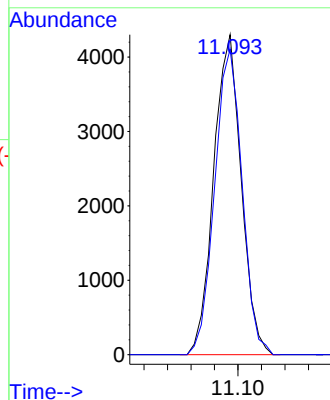
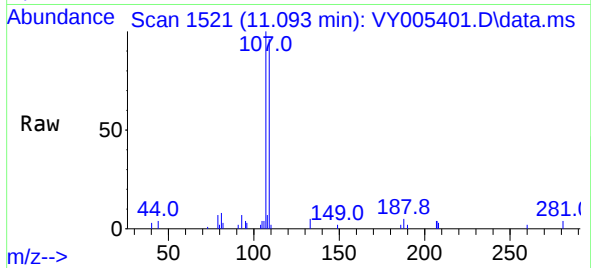
#61  
1,2-Dibromoethane  
Concen: 2.555 ug/l  
RT: 11.093 min Scan# 1521  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 107 Resp: 6983  
Ion Ratio Lower Upper  
107 100  
109 95.3 74.8 112.2

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

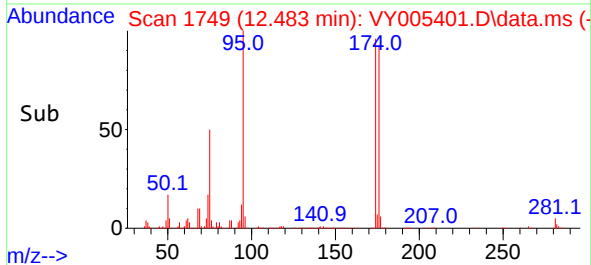
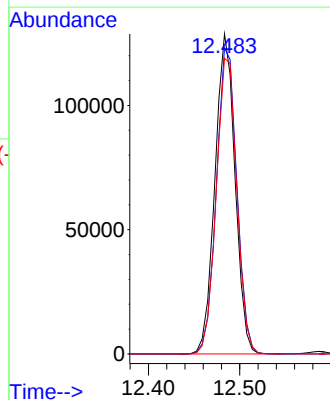
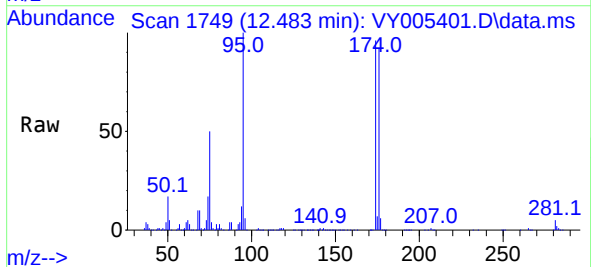
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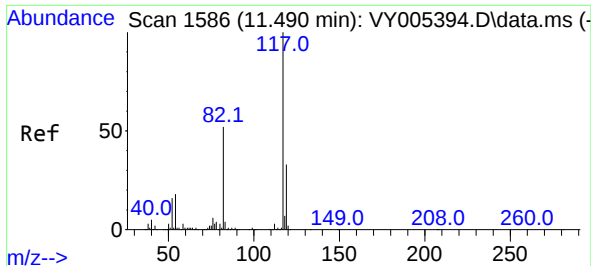
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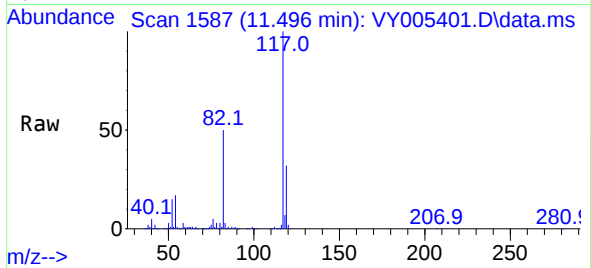
#62  
4-Bromofluorobenzene  
Concen: 47.684 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 95 Resp: 196217  
Ion Ratio Lower Upper  
95 100  
174 97.5 0.0 196.2  
176 94.8 0.0 189.6

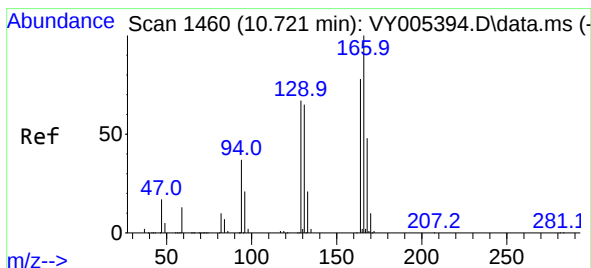
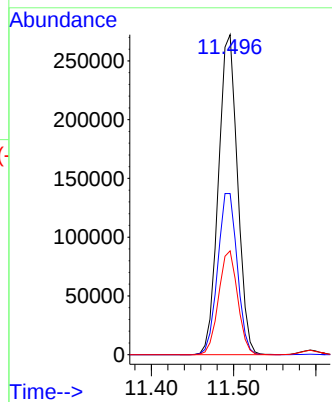
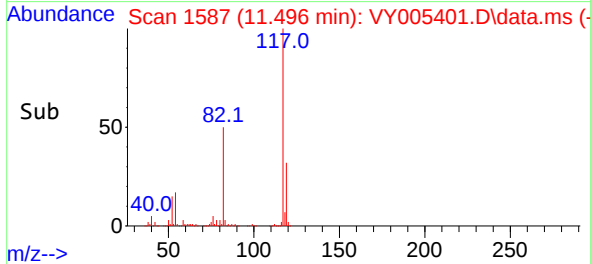




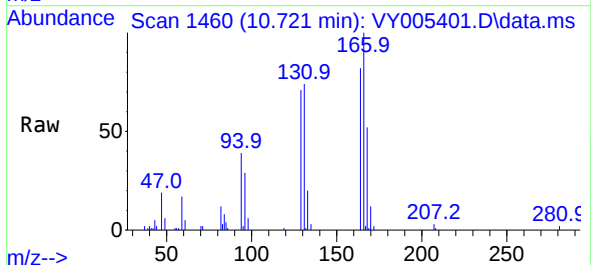
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



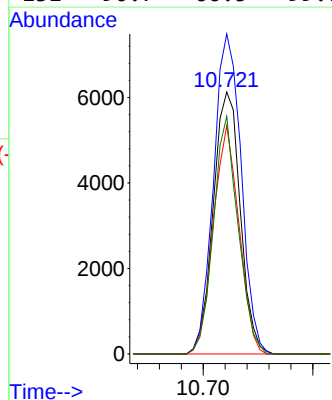
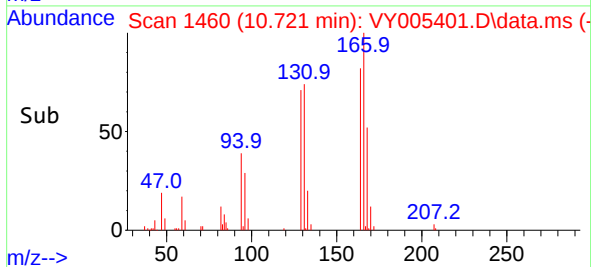
Tgt Ion:117 Resp: 439153  
Ion Ratio Lower Upper  
117 100  
82 50.4 41.6 62.4  
119 32.4 26.1 39.1



#64  
Tetrachloroethene  
Concen: 2.644 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



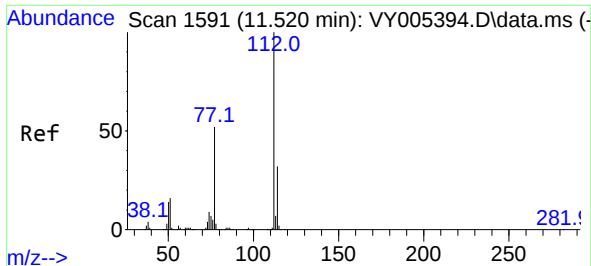
Tgt Ion:164 Resp: 10502  
Ion Ratio Lower Upper  
164 100  
166 122.2 102.6 154.0  
129 87.2 68.4 102.6  
131 90.7 66.5 99.7



Instrument :  
MSVOA\_Y  
ClientSampleId :  
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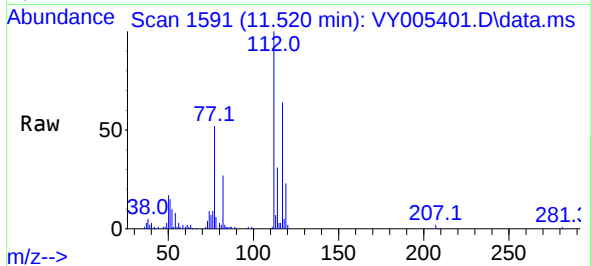
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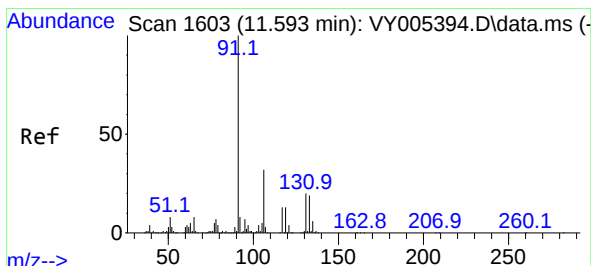
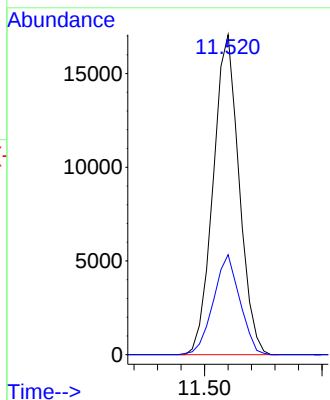
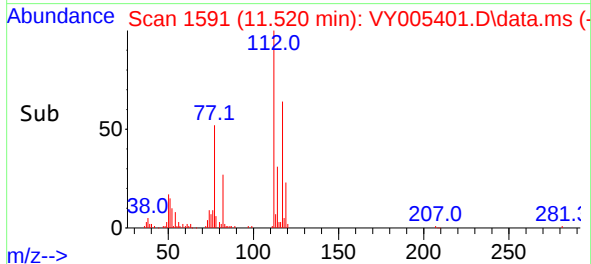


#65  
Chlorobenzene  
Concen: 2.680 ug/l  
RT: 11.520 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

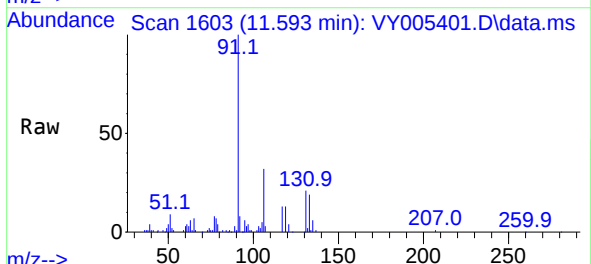
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



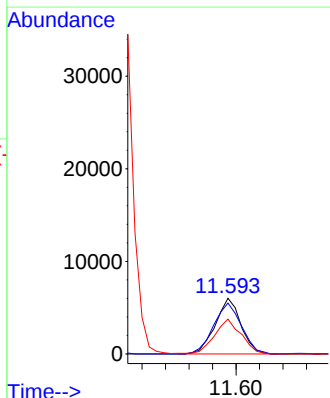
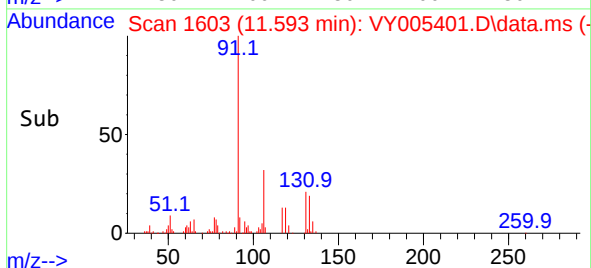
Tgt Ion:112 Resp: 26194  
Ion Ratio Lower Upper  
112 100  
114 31.3 25.8 38.6

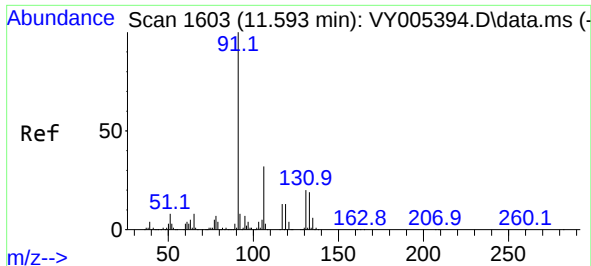


#66  
1,1,1,2-Tetrachloroethane  
Concen: 2.497 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



Tgt Ion:131 Resp: 9074  
Ion Ratio Lower Upper  
131 100  
133 99.5 48.4 145.2  
119 64.9 31.8 95.4





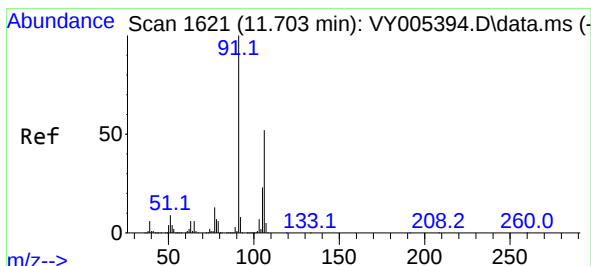
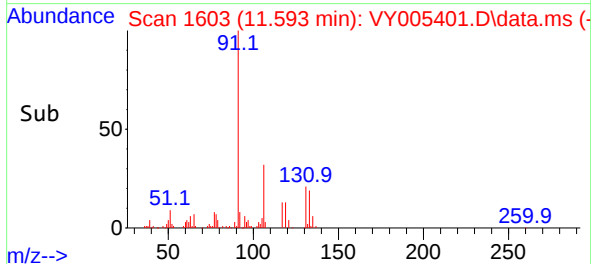
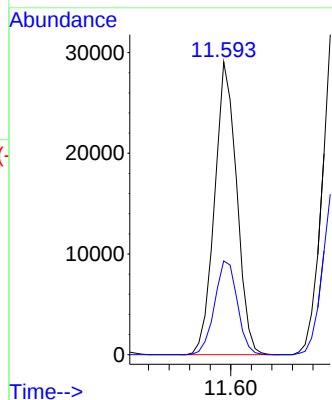
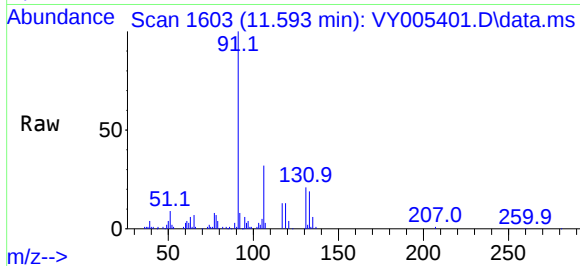
#67  
Ethyl Benzene  
Concen: 2.529 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 91 Resp: 43314  
Ion Ratio Lower Upper  
91 100  
106 32.0 25.8 38.8

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

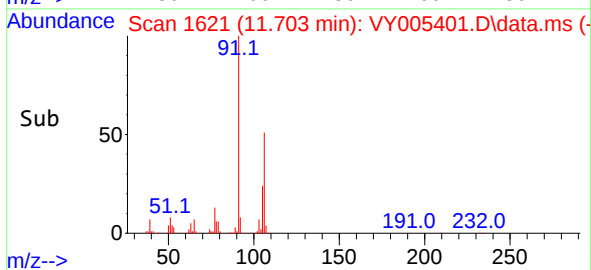
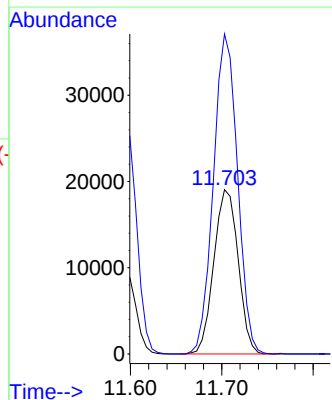
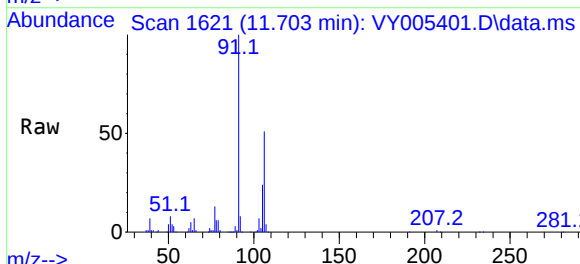
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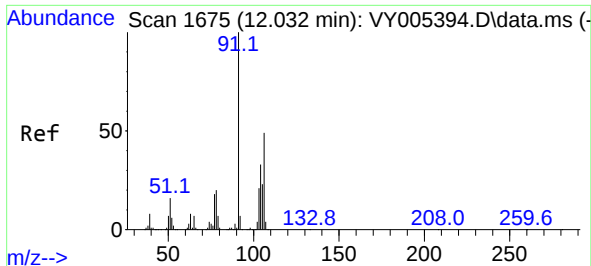
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#68  
m/p-Xylenes  
Concen: 5.132 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 106 Resp: 35167  
Ion Ratio Lower Upper  
106 100  
91 193.3 154.8 232.2





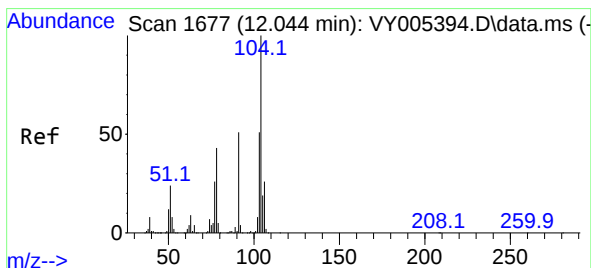
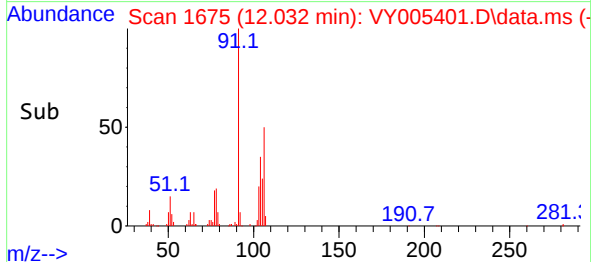
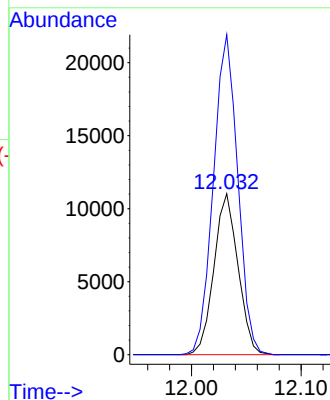
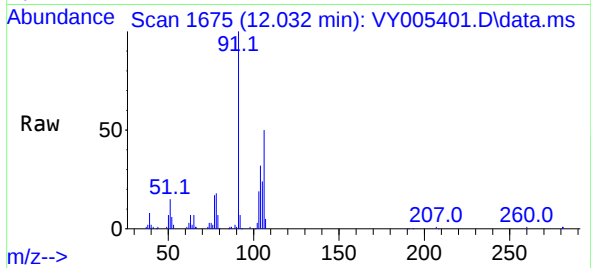
#69  
o-Xylene  
Concen: 2.580 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion:106 Resp: 16817  
Ion Ratio Lower Upper  
106 100  
91 201.1 102.4 307.2

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

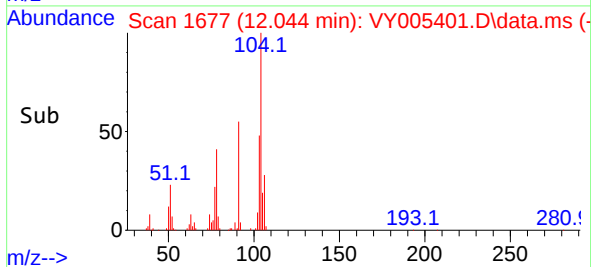
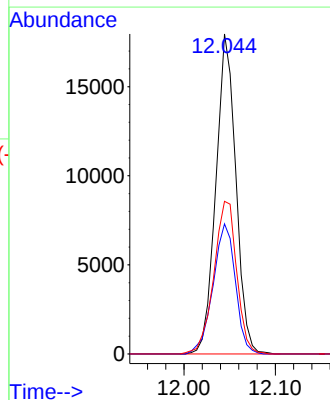
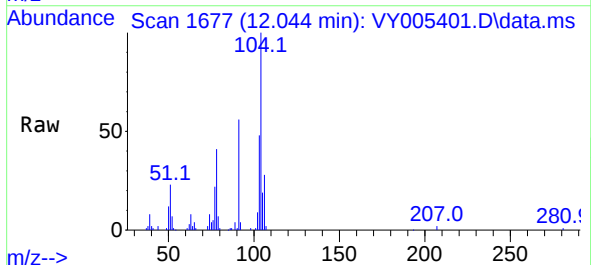
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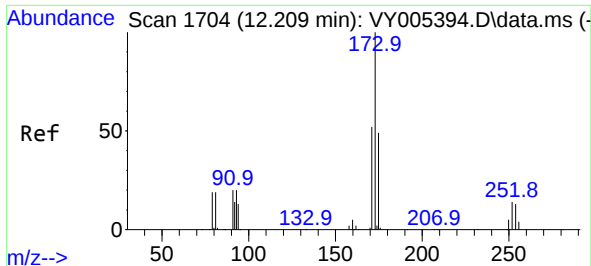
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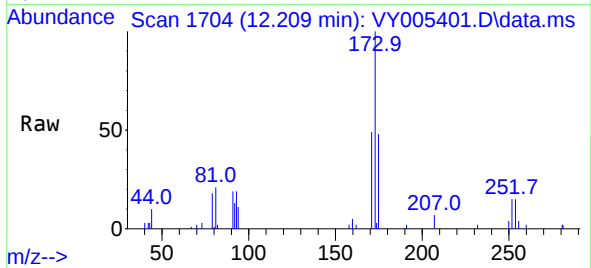
#70  
Styrene  
Concen: 2.470 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion:104 Resp: 27280  
Ion Ratio Lower Upper  
104 100  
78 45.3 37.0 55.4  
103 54.6 43.6 65.4

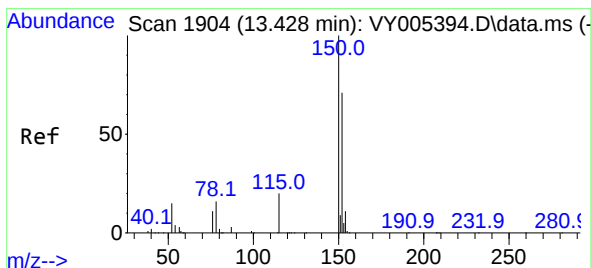
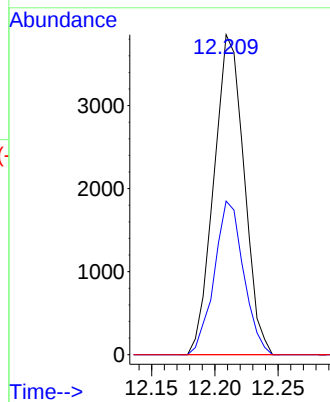
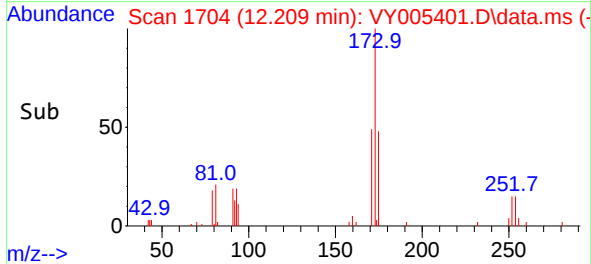




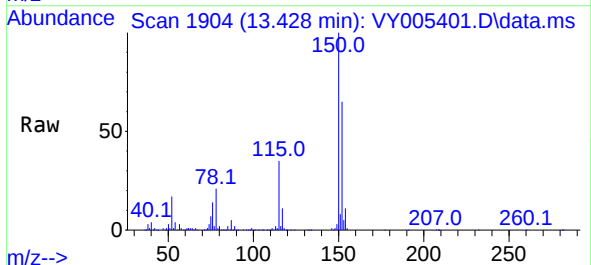
#71  
Bromoform  
Concen: 2.660 ug/l  
RT: 12.209 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



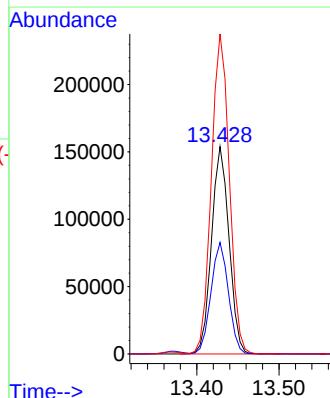
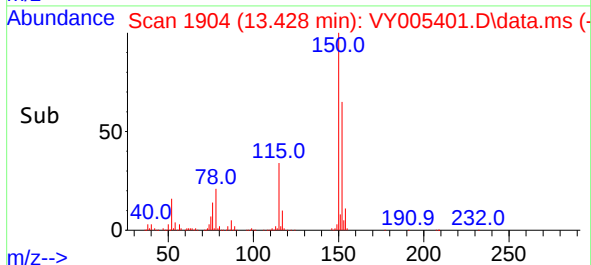
Tgt Ion:173 Resp: 6390  
Ion Ratio Lower Upper  
173 100  
175 46.6 24.1 72.4  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



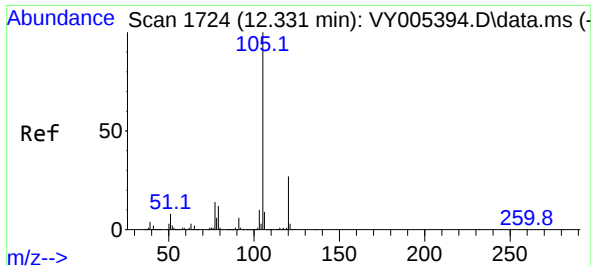
Tgt Ion:152 Resp: 227510  
Ion Ratio Lower Upper  
152 100  
115 53.7 26.8 80.3  
150 158.5 0.0 349.8



Instrument :  
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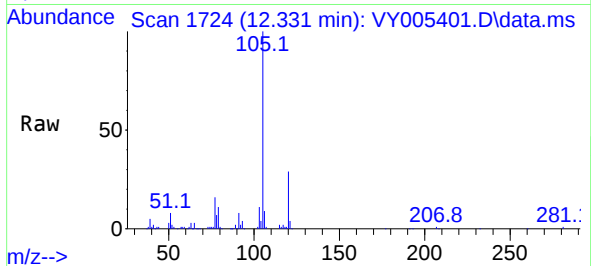
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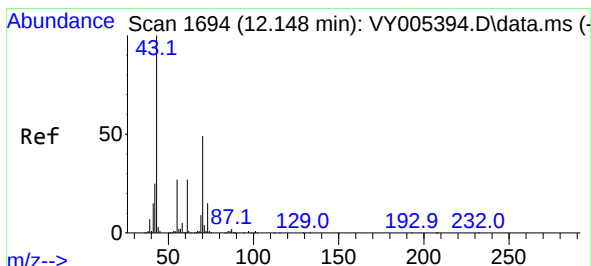
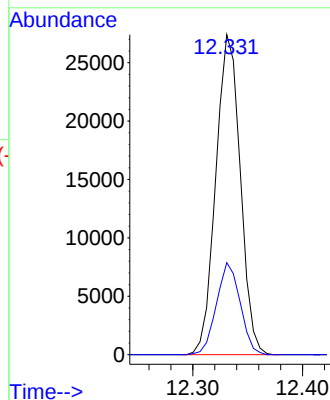
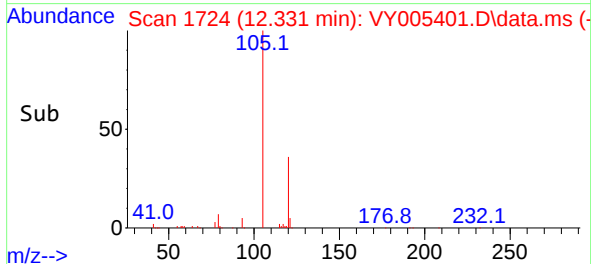


#73  
Isopropylbenzene  
Concen: 2.570 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

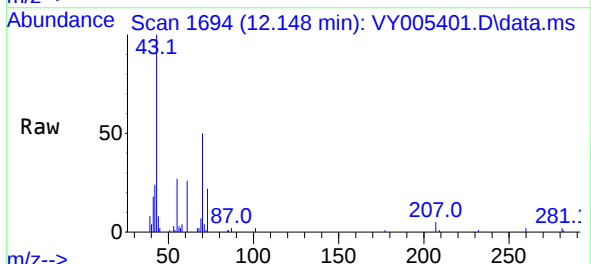
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



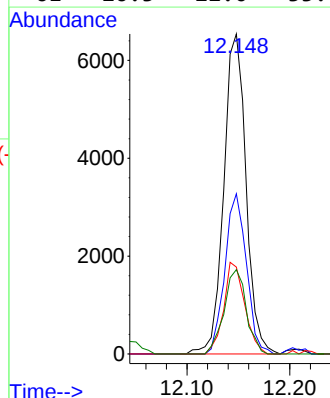
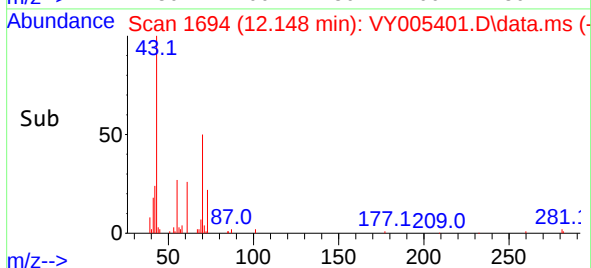
Tgt Ion:105 Resp: 42546  
Ion Ratio Lower Upper  
105 100  
120 27.8 13.7 41.0

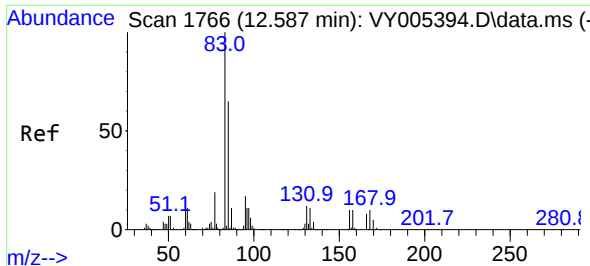


#74  
N-ethyl acetate  
Concen: 2.500 ug/l  
RT: 12.148 min Scan# 1694  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

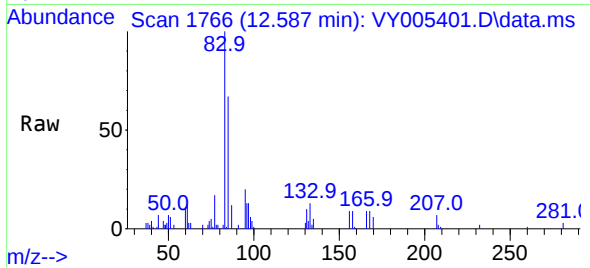


Tgt Ion: 43 Resp: 9808  
Ion Ratio Lower Upper  
43 100  
70 48.5 39.8 59.8  
55 27.1 21.2 31.8  
61 26.3 22.0 33.0

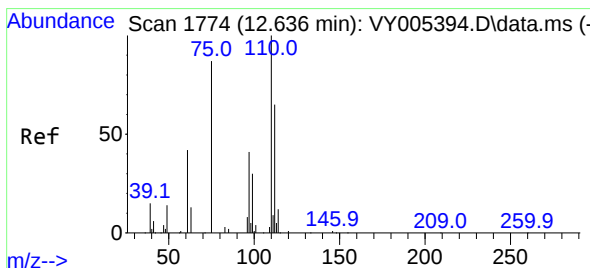
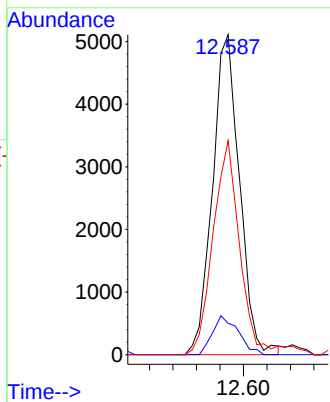
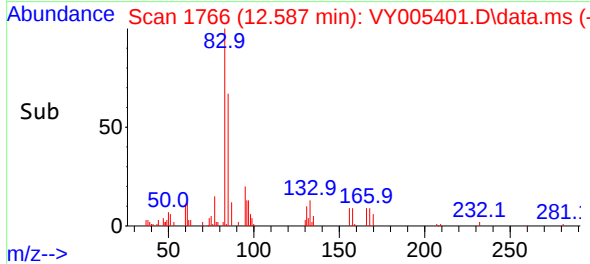




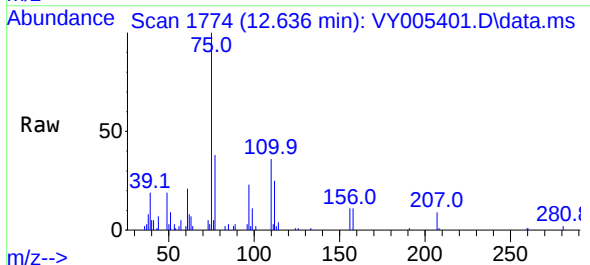
#75  
1,1,2,2-Tetrachloroethane  
Concen: 2.653 ug/l  
RT: 12.587 min Scan# 1766  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



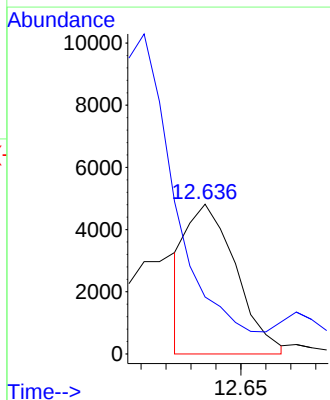
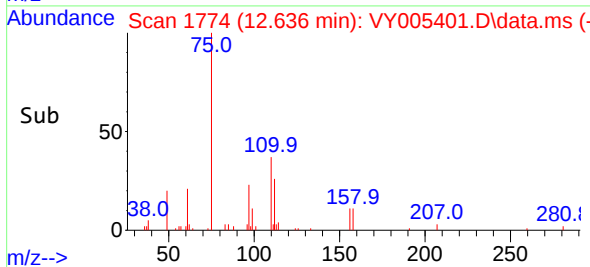
Tgt Ion: 83 Resp: 8153  
Ion Ratio Lower Upper  
83 100  
131 11.6 5.9 17.7  
85 64.9 32.4 97.2



#76  
1,2,3-Trichloropropane  
Concen: 3.012 ug/l m  
RT: 12.636 min Scan# 1774  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



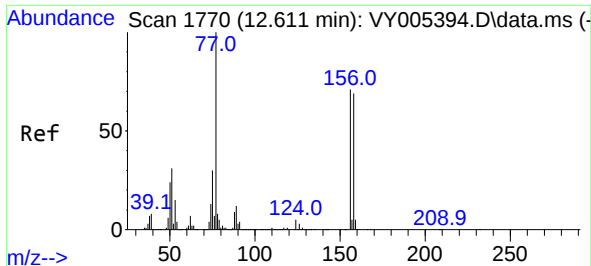
Tgt Ion: 75 Resp: 6627  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



Instrument :  
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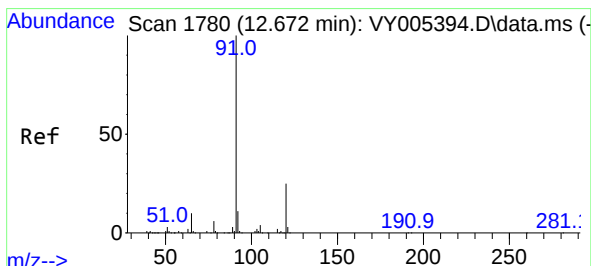
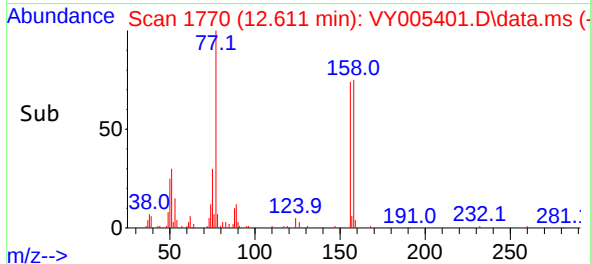
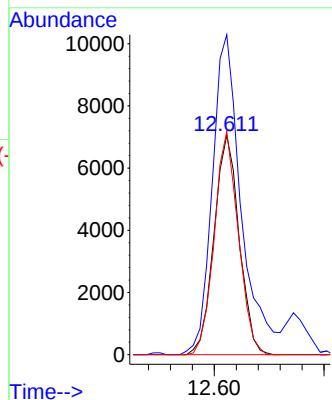
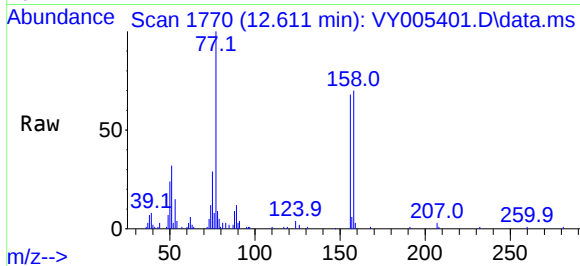
#77  
Bromobenzene  
Concen: 2.685 ug/l  
RT: 12.611 min Scan# 1770  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 11217 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 168.3 | 80.7  | 242.1 |
| 158       | 97.2  | 48.9  | 146.8 |

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

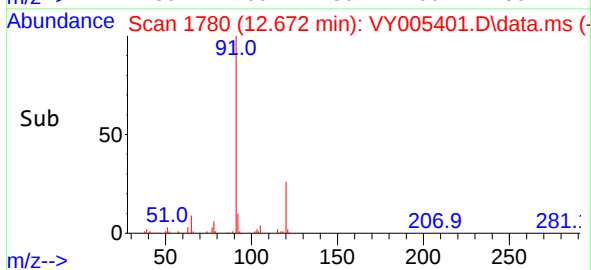
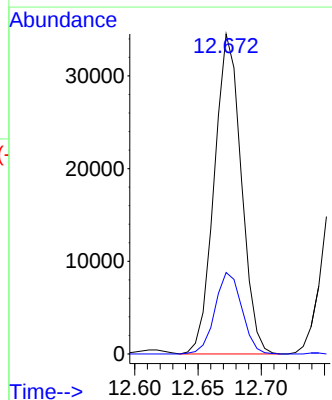
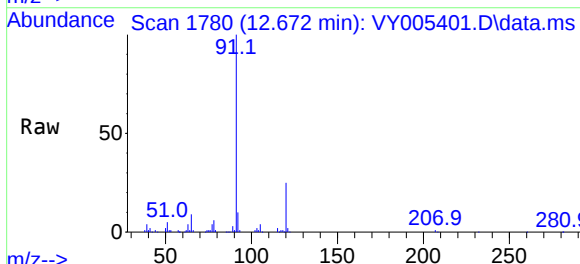
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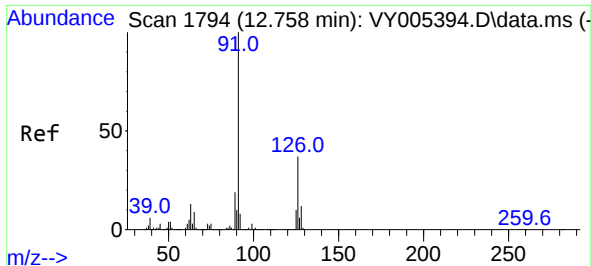
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#78  
n-propylbenzene  
Concen: 2.629 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 51238 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 120       | 25.3  | 12.3  | 36.9  |





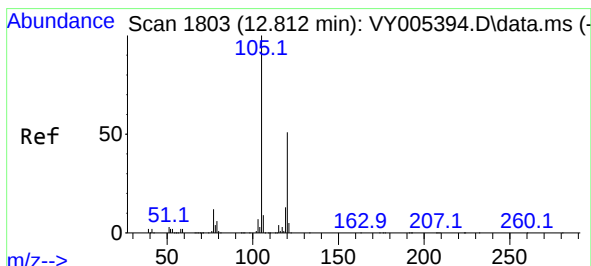
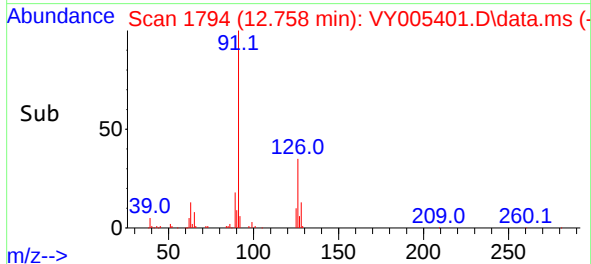
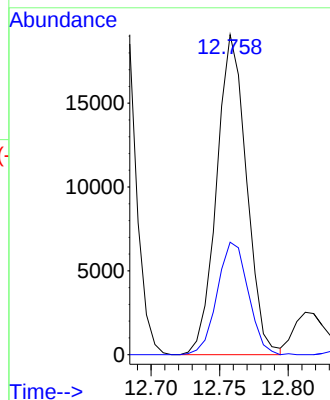
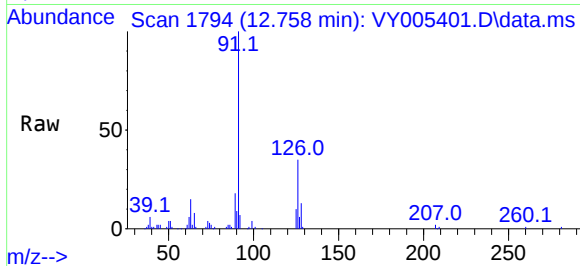
#79  
2-Chlorotoluene  
Concen: 2.643 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 91 Resp: 28938  
Ion Ratio Lower Upper  
91 100  
126 36.6 18.4 55.0

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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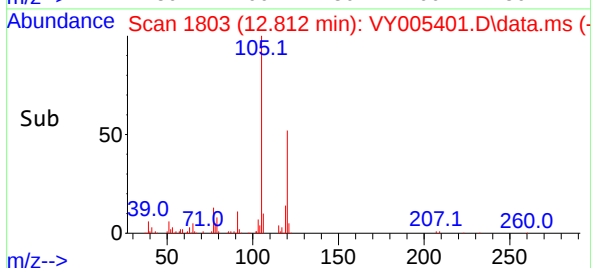
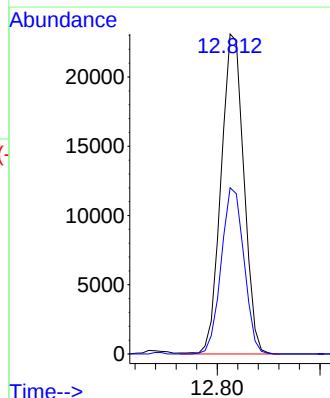
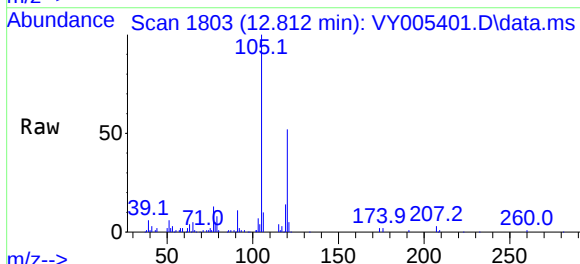
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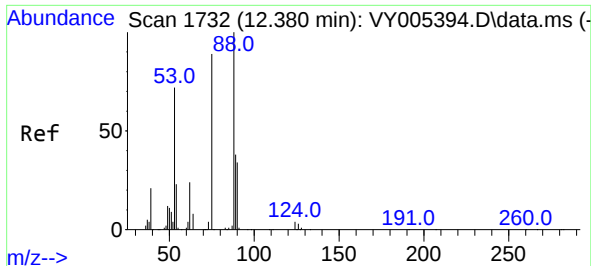
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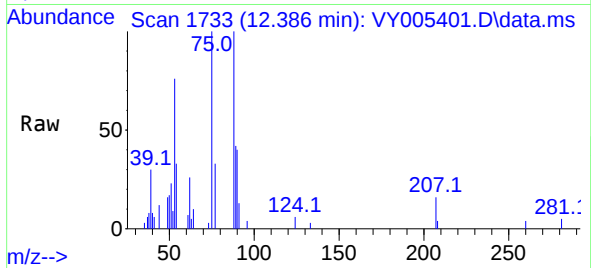
#80  
1,3,5-Trimethylbenzene  
Concen: 2.570 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
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Tgt Ion: 105 Resp: 35493  
Ion Ratio Lower Upper  
105 100  
120 51.9 25.4 76.4



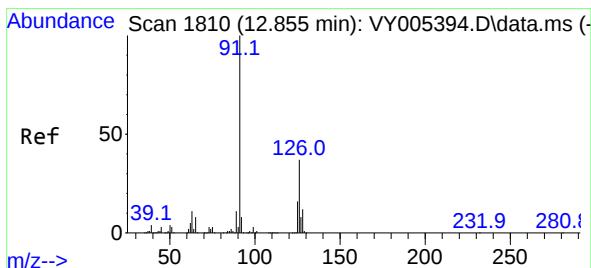
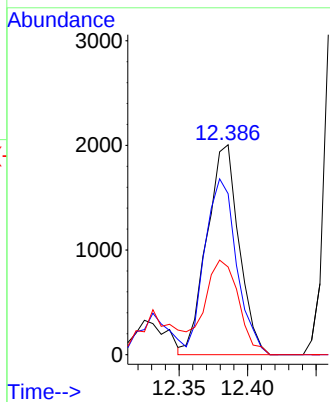
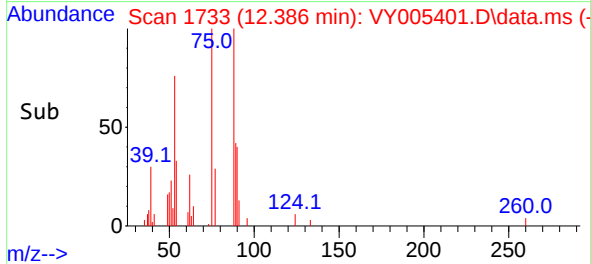


#81  
trans-1,4-Dichloro-2-butene  
Concen: 2.757 ug/l  
RT: 12.386 min Scan# 1733  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

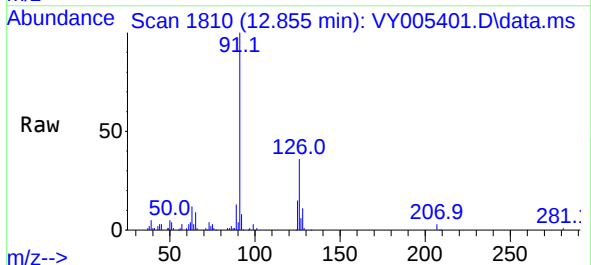


Tgt Ion: 75 Resp: 3263

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 53  | 83.2  | 66.2  | 99.2  |
| 89  | 47.6  | 37.2  | 55.8  |

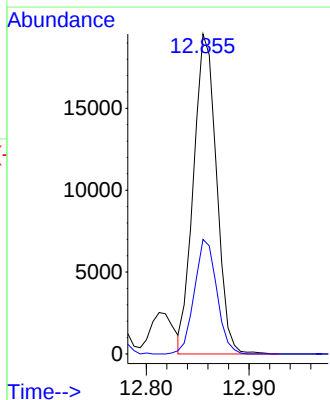
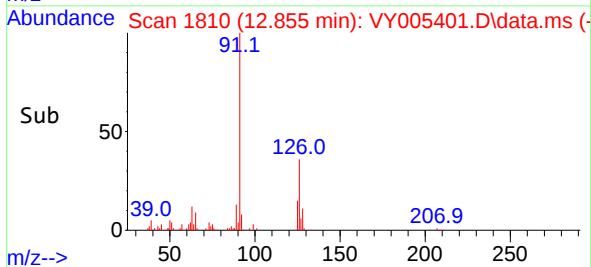


#82  
4-Chlorotoluene  
Concen: 2.672 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



Tgt Ion: 91 Resp: 30412

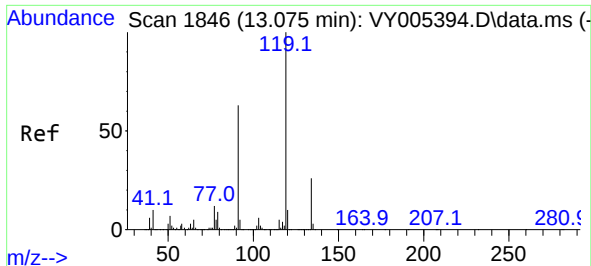
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 34.9  | 18.4  | 55.0  |



Instrument :  
MSVOA\_Y  
ClientSampleId :  
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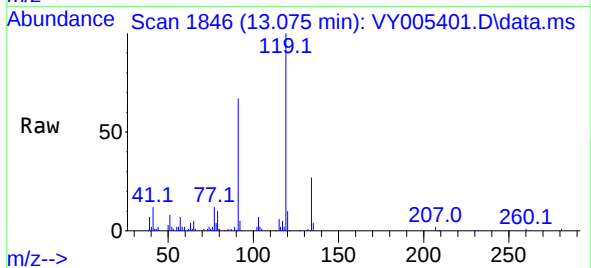
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#83  
tert-Butylbenzene  
Concen: 2.589 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

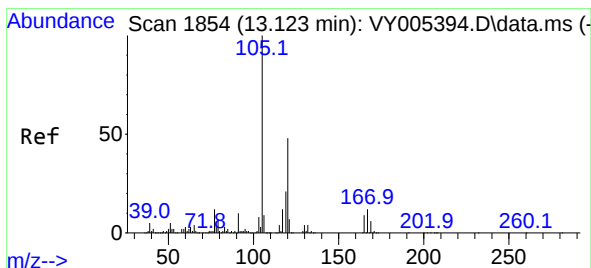
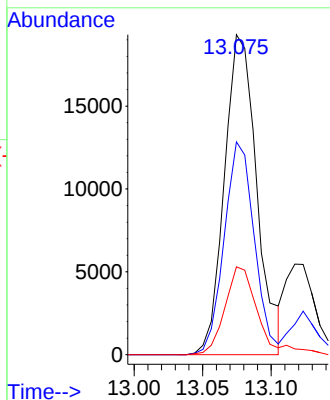
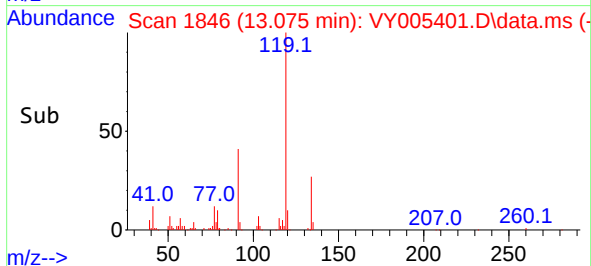
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



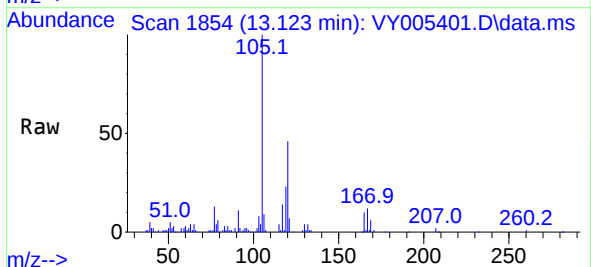
Tgt Ion:119 Resp: 31785  
Ion Ratio Lower Upper  
119 100  
91 61.9 31.1 93.2  
134 28.1 13.8 41.4

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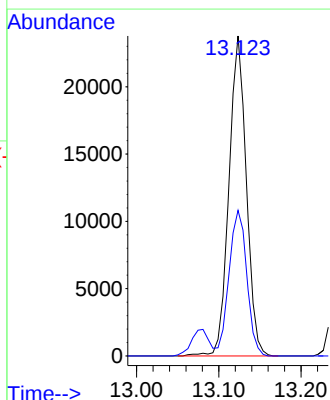
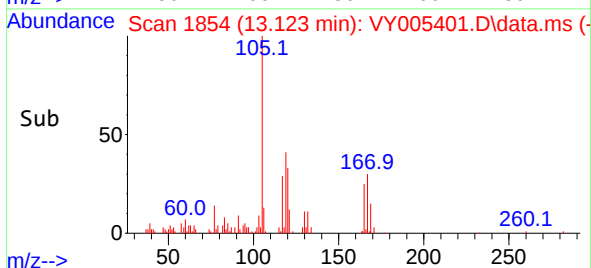
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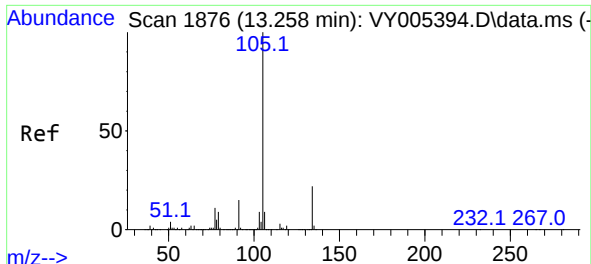


#84  
1,2,4-Trimethylbenzene  
Concen: 2.530 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



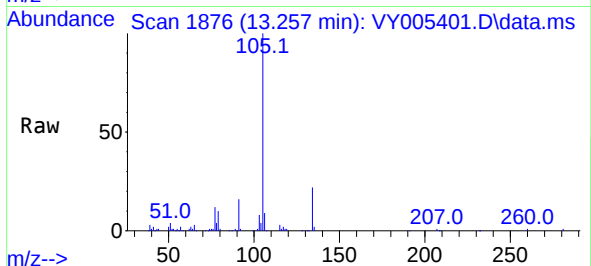
Tgt Ion:105 Resp: 34909  
Ion Ratio Lower Upper  
105 100  
120 46.7 23.6 71.0





#85  
sec-Butylbenzene  
Concen: 2.529 ug/l  
RT: 13.257 min Scan# 1876  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

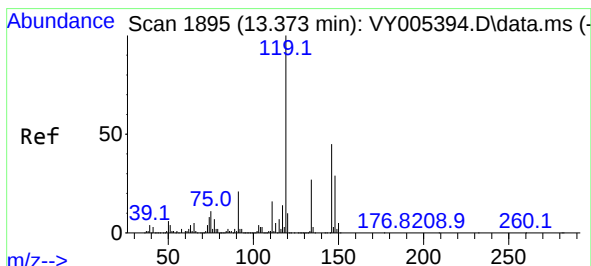
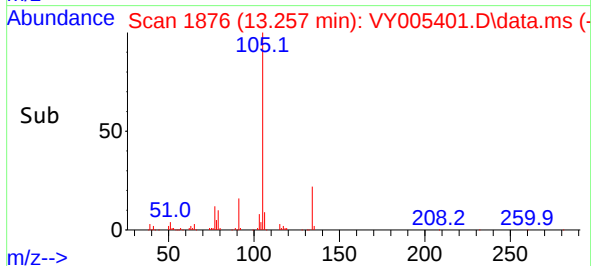
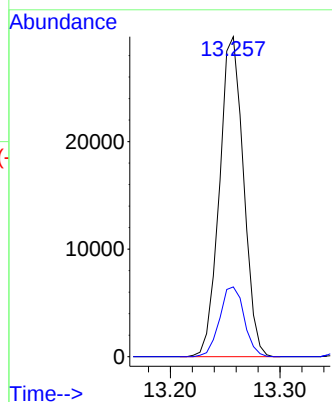
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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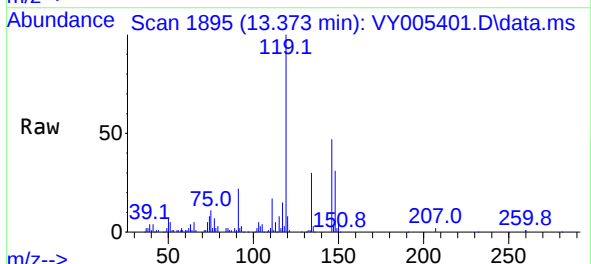
Tgt Ion:105 Resp: 45369  
Ion Ratio Lower Upper  
105 100  
134 22.3 10.9 32.6

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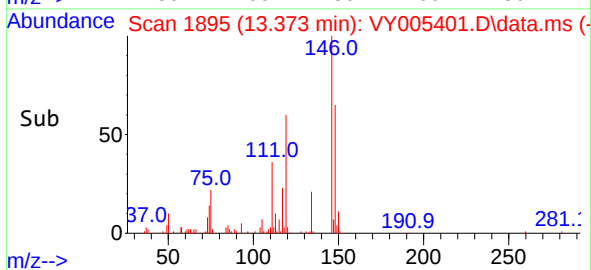
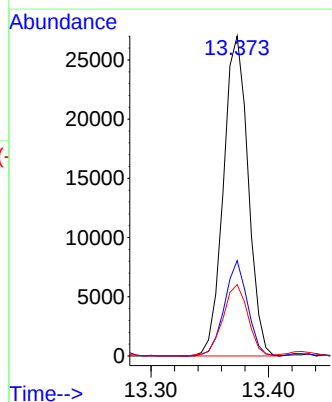
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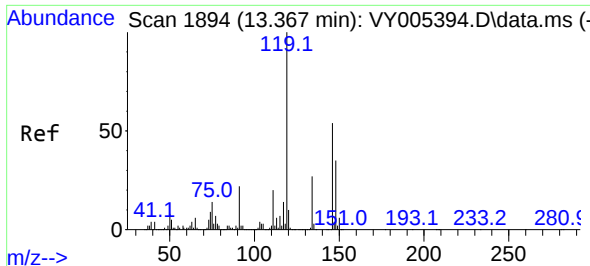


#86  
p-Isopropyltoluene  
Concen: 2.526 ug/l  
RT: 13.373 min Scan# 1895  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

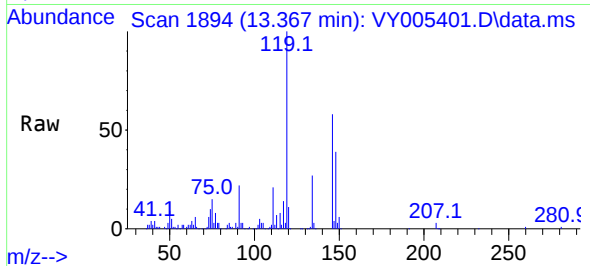


Tgt Ion:119 Resp: 39358  
Ion Ratio Lower Upper  
119 100  
134 27.8 13.6 40.8  
91 22.7 10.9 32.6

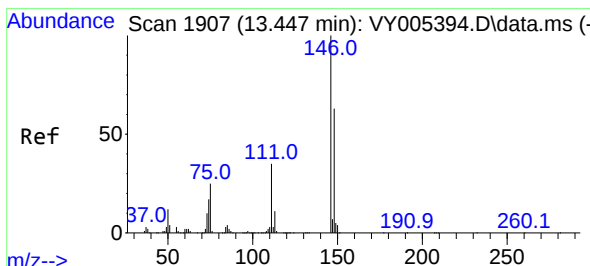
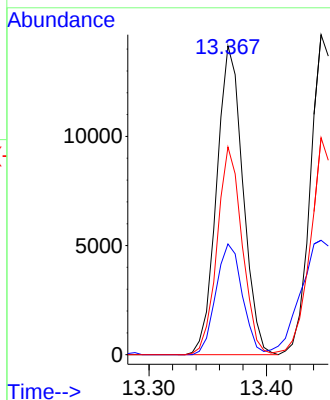
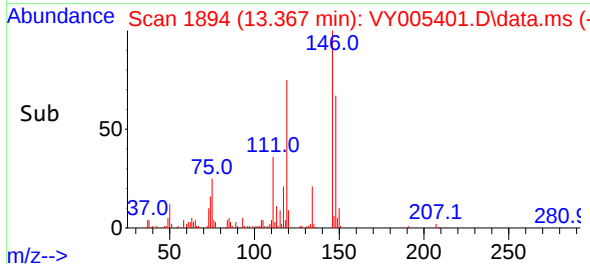




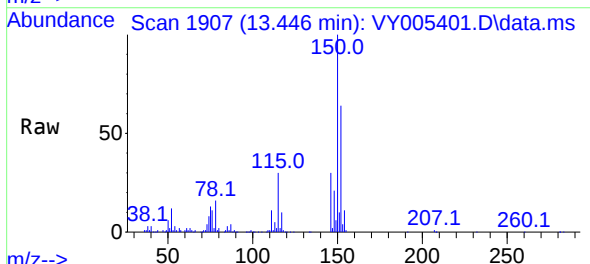
#87  
1,3-Dichlorobenzene  
Concen: 2.660 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



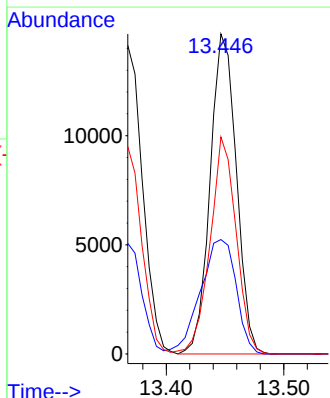
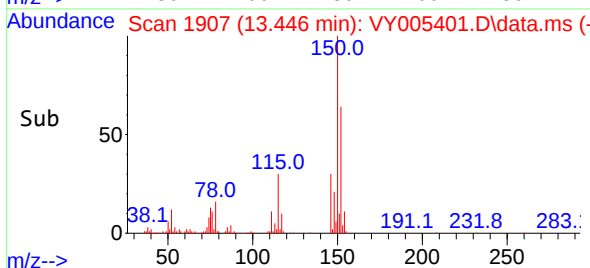
Tgt Ion:146 Resp: 22029  
Ion Ratio Lower Upper  
146 100  
111 35.9 18.4 55.0  
148 63.8 32.0 96.0



#88  
1,4-Dichlorobenzene  
Concen: 2.778 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



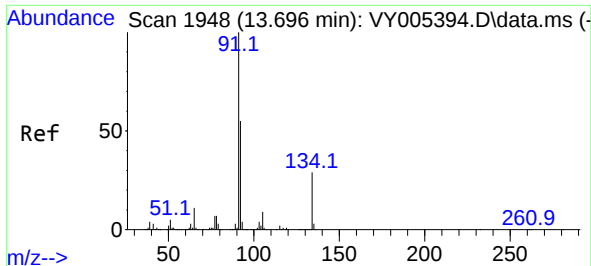
Tgt Ion:146 Resp: 22738  
Ion Ratio Lower Upper  
146 100  
111 48.8 17.9 53.8  
148 67.5 32.1 96.5



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

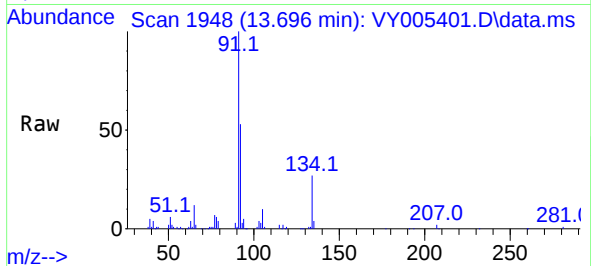
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#89  
n-Butylbenzene  
Concen: 2.568 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

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

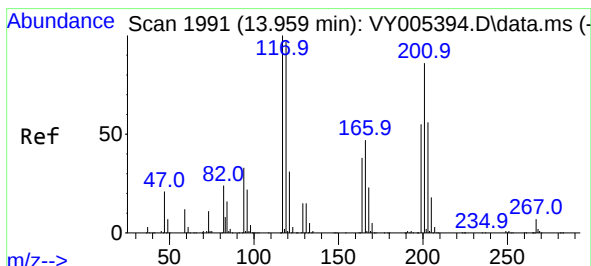
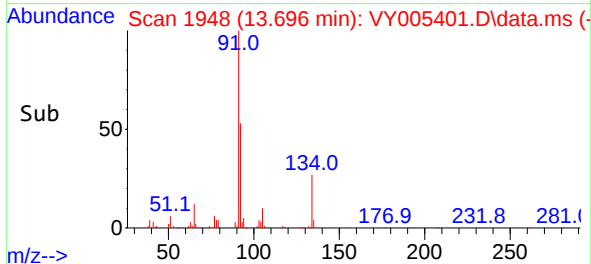
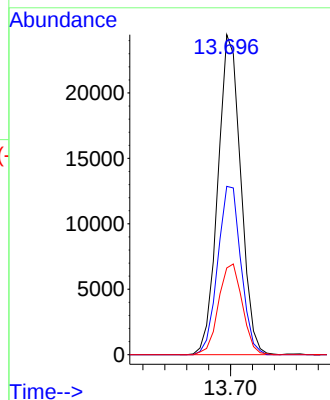


Tgt Ion: 91 Resp: 35454

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 53.5  | 27.2  | 81.5  |
| 134 | 29.4  | 14.5  | 43.5  |

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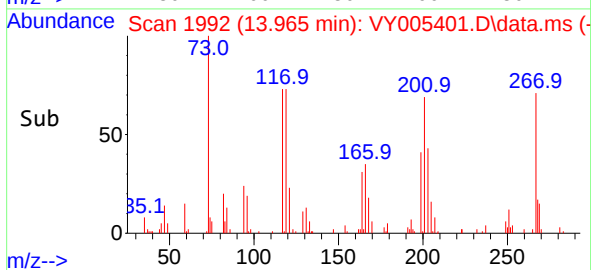
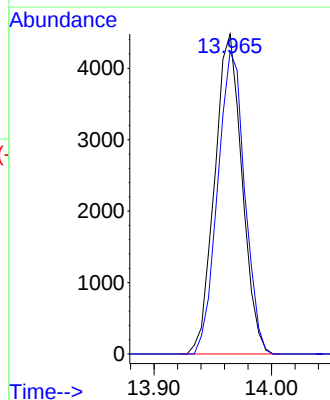
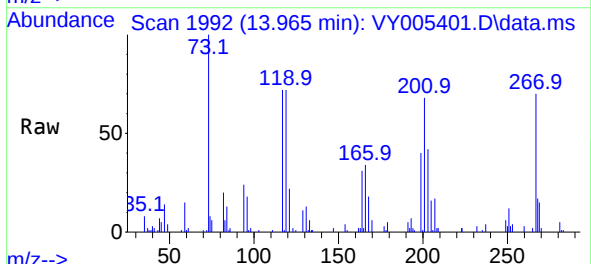
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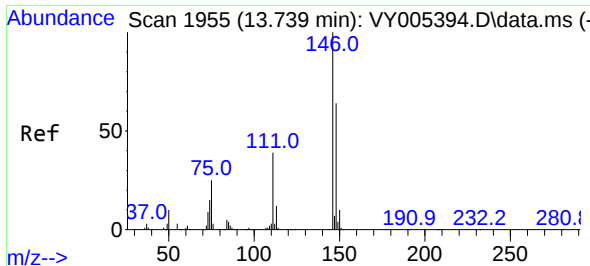


#90  
Hexachloroethane  
Concen: 2.604 ug/l  
RT: 13.965 min Scan# 1992  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

Tgt Ion: 117 Resp: 7263

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 93.3  | 47.6  | 142.9 |





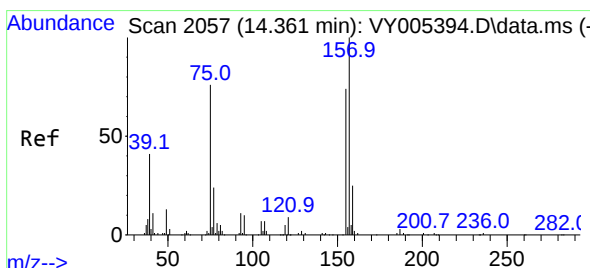
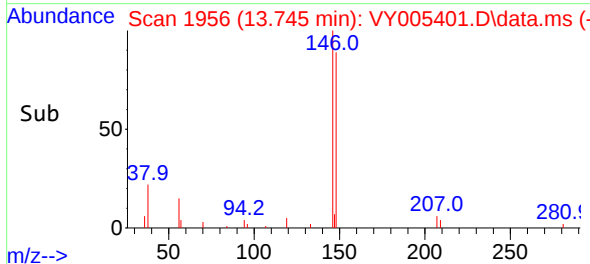
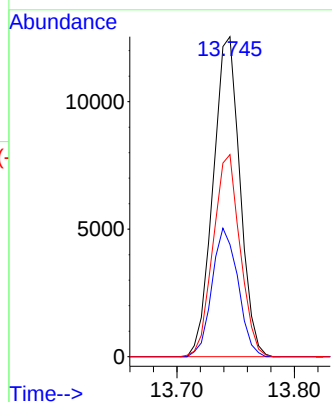
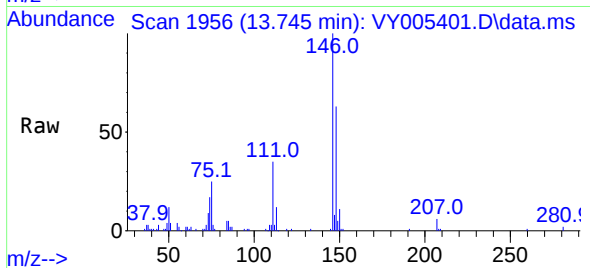
#91  
1,2-Dichlorobenzene  
Concen: 2.718 ug/l  
RT: 13.745 min Scan# 1956  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 19.0  | 57.0  |
| 148     | 63.5  | 31.9  | 95.7  |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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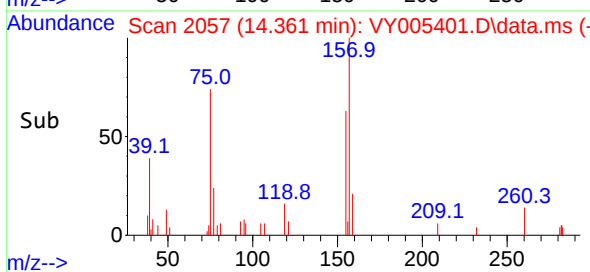
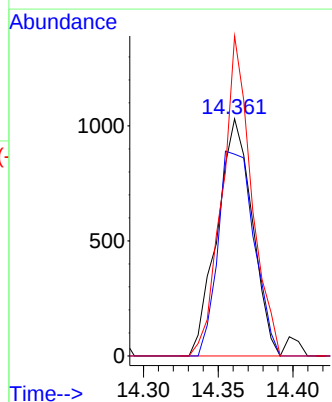
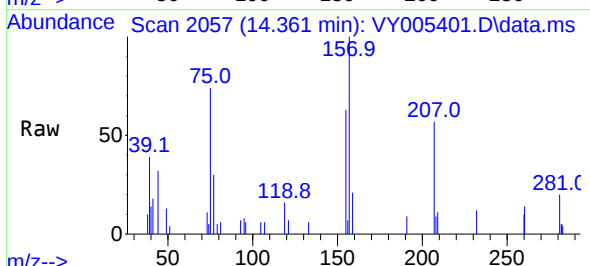
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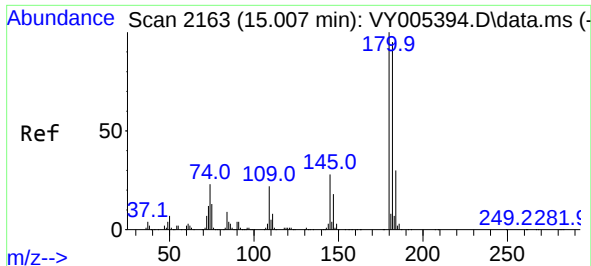
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#92  
1,2-Dibromo-3-Chloropropane  
Concen: 2.894 ug/l  
RT: 14.361 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

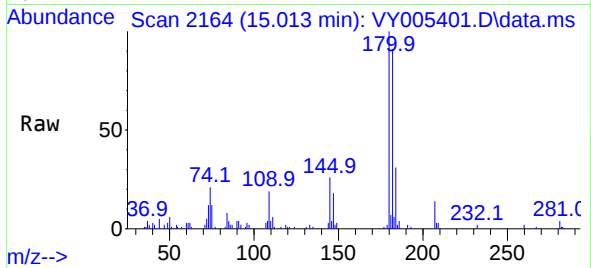
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 89.0  | 48.1  | 144.3 |
| 157     | 113.0 | 61.8  | 185.4 |





#93  
1,2,4-Trichlorobenzene  
Concen: 2.908 ug/l  
RT: 15.013 min Scan# 2164  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

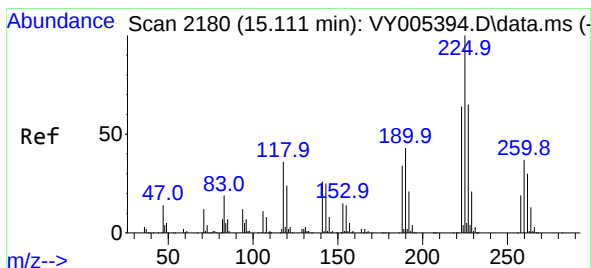
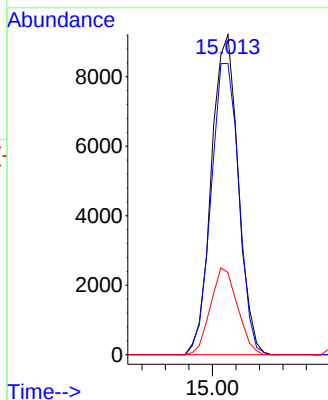
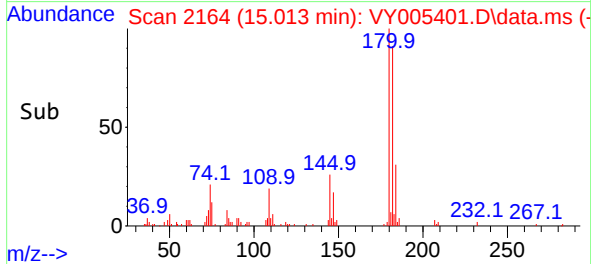
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



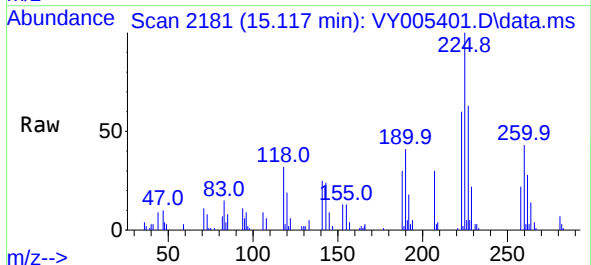
Tgt Ion:180 Resp: 14601  
Ion Ratio Lower Upper  
180 100  
182 94.3 47.9 143.7  
145 27.3 13.9 41.7

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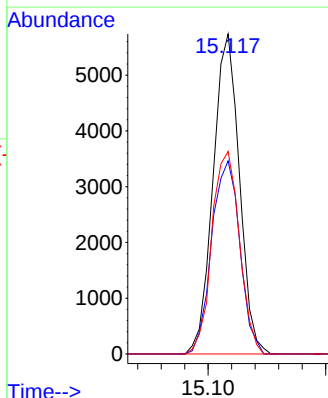
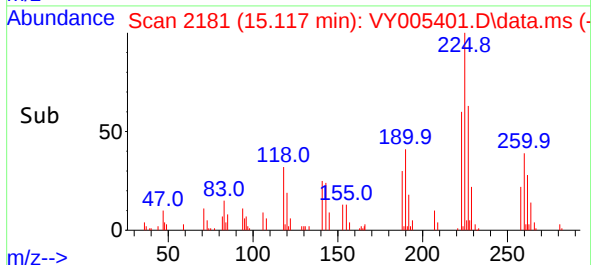
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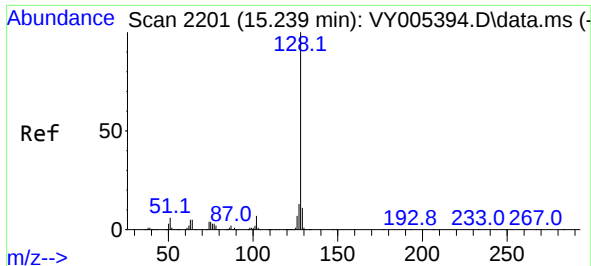


#94  
Hexachlorobutadiene  
Concen: 2.838 ug/l  
RT: 15.117 min Scan# 2181  
Delta R.T. 0.006 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



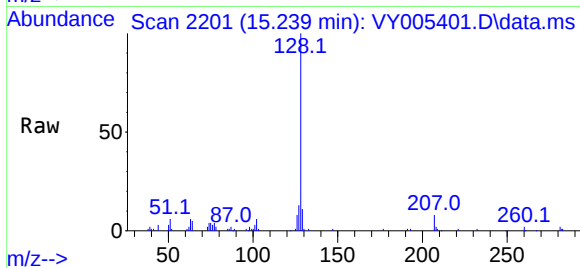
Tgt Ion:225 Resp: 8901  
Ion Ratio Lower Upper  
225 100  
223 64.6 31.4 94.2  
227 66.5 32.4 97.2





#95  
Naphthalene  
Concen: 2.848 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27

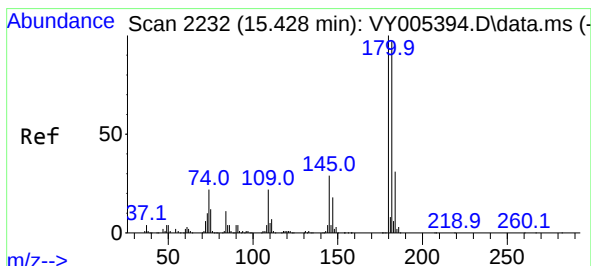
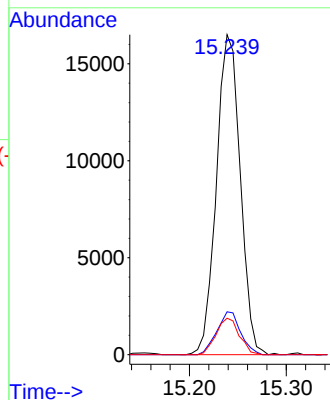
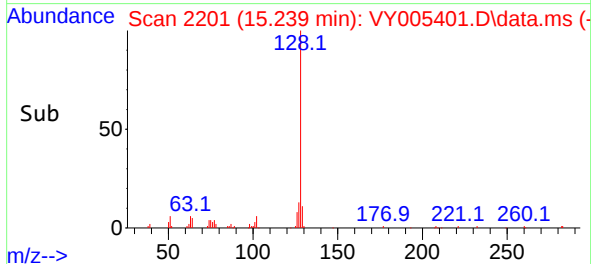
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021



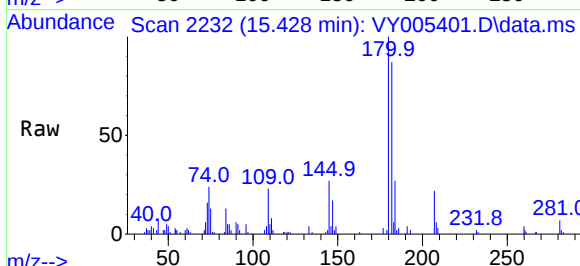
Tgt Ion:128 Resp: 28210  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.4 15.6  
129 11.1 8.6 13.0

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 3.027 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. -0.000 min  
Lab File: VY005401.D  
Acq: 09 Jul 2021 16:27



Tgt Ion:180 Resp: 13430  
Ion Ratio Lower Upper  
180 100  
182 92.7 47.9 143.7  
145 28.9 14.6 44.0

