

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071723\  
 Data File : VD076749.D  
 Acq On : 17 Jul 2023 12:41  
 Operator : KP/SY  
 Sample : 03572-01 2.5ppb  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Jul 18 02:08:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 18 02:08:17 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/18/2023  
 Supervised By : Mahesh Dadoda 07/18/2023

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 201195     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 371102     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 330759     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 146978     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 93959      | 46.887  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 93.780% |        |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 114684     | 49.178  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 98.360% |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 388444     | 46.562  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 93.120% |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 119986     | 44.459  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 88.920% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 4014       | 2.551   | ug/l   | 94       |
| 3) Chloromethane             | 2.146          | 50   | 6376       | 2.349   | ug/l   | 92       |
| 4) Vinyl Chloride            | 2.281          | 62   | 8716       | 2.409   | ug/l   | 92       |
| 5) Bromomethane              | 2.687          | 94   | 8222       | 2.762   | ug/l   | 96       |
| 6) Chloroethane              | 2.834          | 64   | 5912       | 2.164   | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 7138       | 2.217   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.587          | 74   | 2303       | 2.078   | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 3.952          | 101  | 5206       | 2.460   | ug/l   | 94       |
| 10) Methyl Iodide            | 4.152          | 142  | 4911       | 2.059   | ug/l # | 84       |
| 11) Tert butyl alcohol       | 5.046          | 59   | 2329m      | 15.575  | ug/l   |          |
| 12) 1,1-Dichloroethene       | 3.934          | 96   | 4337       | 2.181   | ug/l   | 81       |
| 13) Acrolein                 | 3.799          | 56   | 1173       | 11.511  | ug/l # | 72       |
| 14) Allyl chloride           | 4.546          | 41   | 6071       | 2.325   | ug/l # | 91       |
| 15) Acrylonitrile            | 5.263          | 53   | 4436       | 8.149   | ug/l # | 60       |
| 16) Acetone                  | 4.022          | 43   | 5638       | 11.780  | ug/l # | 86       |
| 17) Carbon Disulfide         | 4.263          | 76   | 11252      | 2.423   | ug/l # | 85       |
| 18) Methyl Acetate           | 4.558          | 43   | 3894       | 2.166   | ug/l # | 53       |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 10603      | 1.989   | ug/l # | 82       |
| 20) Methylene Chloride       | 4.799          | 84   | 9654       | 2.439   | ug/l # | 82       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 5125       | 2.218   | ug/l # | 77       |
| 22) Diisopropyl ether        | 6.216          | 45   | 11684      | 1.889   | ug/l # | 90       |
| 23) Vinyl Acetate            | 6.152          | 43   | 26709      | 8.728   | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.099          | 63   | 9926       | 2.380   | ug/l # | 89       |
| 25) 2-Butanone               | 7.093          | 43   | 10224      | 15.962  | ug/l # | 84       |
| 26) 2,2-Dichloropropane      | 7.069          | 77   | 13149      | 3.658   | ug/l # | 72       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 6622       | 2.324   | ug/l   | 68       |
| 28) Bromochloromethane       | 7.422          | 49   | 2709       | 2.599   | ug/l # | 87       |
| 29) Tetrahydrofuran          | 7.451          | 42   | 3438       | 9.085   | ug/l   | 98       |
| 30) Chloroform               | 7.593          | 83   | 10653      | 2.333   | ug/l   | 88       |
| 31) Cyclohexane              | 7.869          | 56   | 10287      | 3.488   | ug/l # | 72       |
| 32) 1,1,1-Trichloroethane    | 7.787          | 97   | 8304       | 2.254   | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 6918       | 2.270   | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.163          | 43   | 2246       | 1.648   | ug/l # | 65       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 6043       | 2.071   | ug/l # | 77       |
| 39) Methylcyclohexane        | 9.281          | 83   | 7731       | 2.197   | ug/l # | 75       |
| 40) Benzene                  | 8.246          | 78   | 21356      | 2.221   | ug/l   | 98       |

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 Sample : 03572-01 2.5ppb  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Jul 18 02:08:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 18 02:08:17 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/18/2023  
 Supervised By : Mahesh Dadoda 07/18/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.404  | 41   | 2084m    | 2.504  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 5802     | 2.322  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 4963     | 1.866  | ug/l # | 65       |
| 44) Trichloroethene           | 9.028  | 130  | 5690     | 2.172  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 5246     | 2.114  | ug/l   | 93       |
| 46) Dibromomethane            | 9.398  | 93   | 3532     | 2.431  | ug/l # | 81       |
| 47) Bromodichloromethane      | 9.587  | 83   | 8250     | 2.263  | ug/l # | 85       |
| 48) Methyl methacrylate       | 9.381  | 41   | 2502     | 2.067  | ug/l # | 77       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 844      | 45.343 | ug/l # | 51       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 13929    | 9.836  | ug/l   | 92       |
| 52) Toluene                   | 10.334 | 92   | 12923    | 2.046  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 7045     | 2.082  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 8289     | 2.078  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 4136     | 1.950  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 4383     | 1.790  | ug/l # | 76       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 7416     | 2.147  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 8149     | 8.598  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.916 | 43   | 9566     | 9.467  | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.075 | 129  | 5327     | 2.161  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 4070     | 2.069  | ug/l   | 92       |
| 64) Tetrachloroethene         | 10.804 | 164  | 4604     | 2.441  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.610 | 112  | 16324    | 2.454  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.675 | 131  | 5501     | 2.221  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.681 | 91   | 24888    | 2.130  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.792 | 106  | 18174    | 4.051  | ug/l   | 87       |
| 69) o-Xylene                  | 12.116 | 106  | 8550     | 1.971  | ug/l   | 84       |
| 70) Styrene                   | 12.139 | 104  | 15106    | 1.989  | ug/l   | 96       |
| 71) Bromoform                 | 12.298 | 173  | 2827     | 2.084  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 23573    | 2.211  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.228 | 43   | 3990     | 1.776  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 5240     | 2.289  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 3972m    | 2.842  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 5626     | 2.286  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.763 | 91   | 29200    | 2.259  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 15577    | 2.198  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 19111    | 2.216  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 1334m    | 2.031  | ug/l   |          |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 15406    | 2.080  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 15653    | 2.062  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 18915    | 2.147  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.339 | 105  | 24447    | 2.108  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 19796    | 2.067  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 12118    | 2.394  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 12691m   | 2.559  | ug/l   |          |
| 89) n-Butylbenzene            | 13.781 | 91   | 19479    | 2.078  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.051 | 117  | 4042     | 2.282  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 10865    | 2.436  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.439 | 75   | 915      | 2.803  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 7077     | 2.598  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 3064     | 2.339  | ug/l   | 97       |
| 95) Naphthalene               | 15.333 | 128  | 14018    | 2.377  | ug/l # | 95       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 6143     | 2.513  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071723\  
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Sample : 03572-01 2.5ppb  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

Manual Integrations  
APPROVED

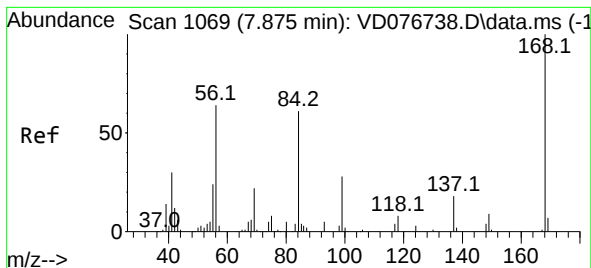
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 02:08:36 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 18 02:08:17 2023  
Response via : Initial Calibration

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

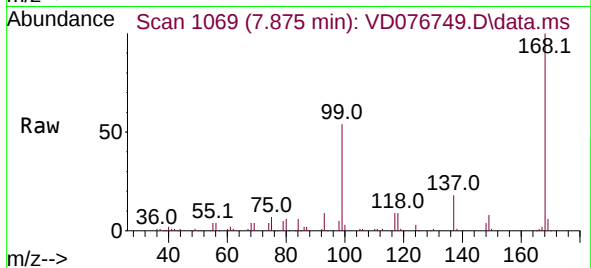
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(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

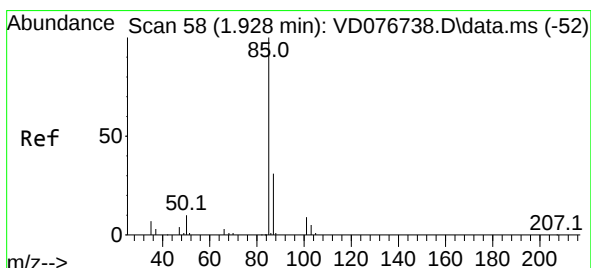
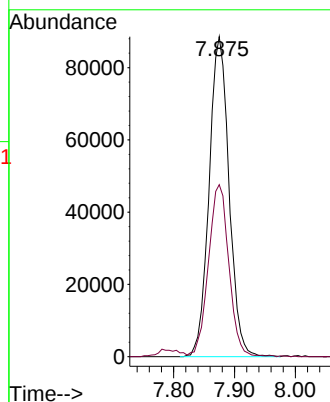
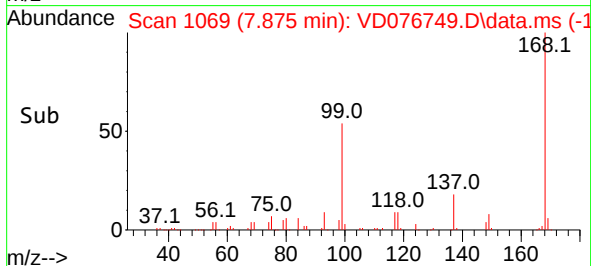
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:168 Resp: 20119  
Ion Ratio Lower Upper  
168 100  
99 53.5 36.7 55.1

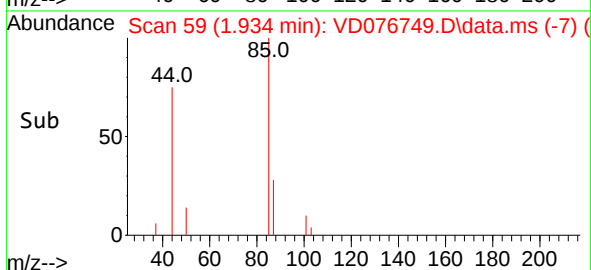
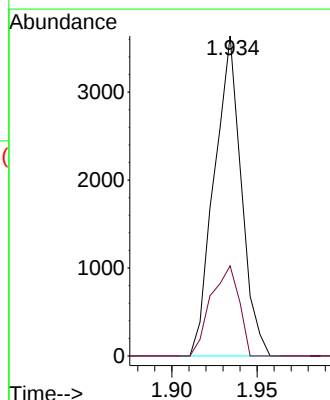
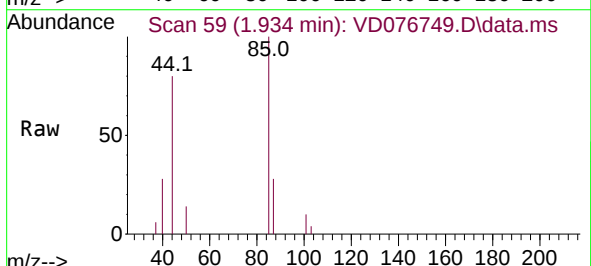
Manual Integrations  
APPROVED

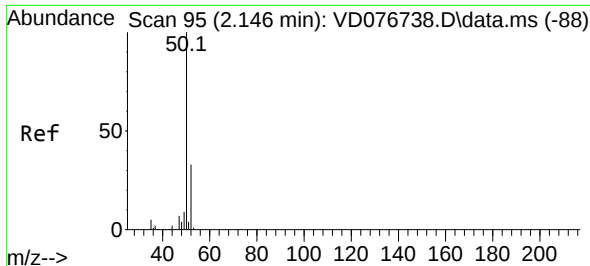
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#2  
Dichlorodifluoromethane  
Concen: 2.551 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

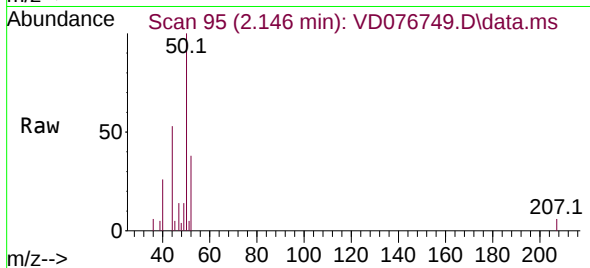
Tgt Ion: 85 Resp: 4014  
Ion Ratio Lower Upper  
85 100  
87 28.2 15.7 47.0





#3  
Chloromethane  
Concen: 2.349 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

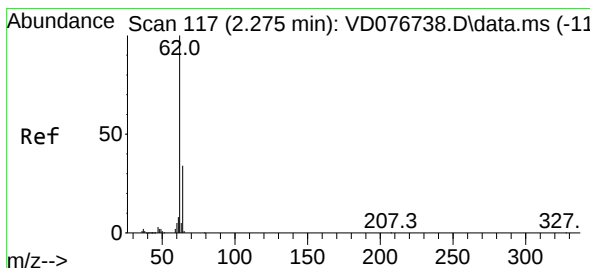
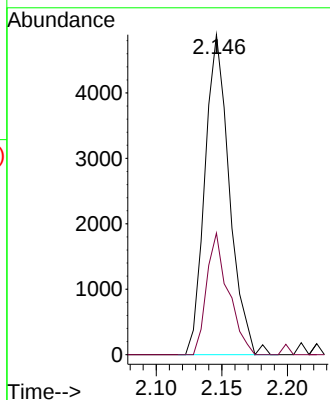
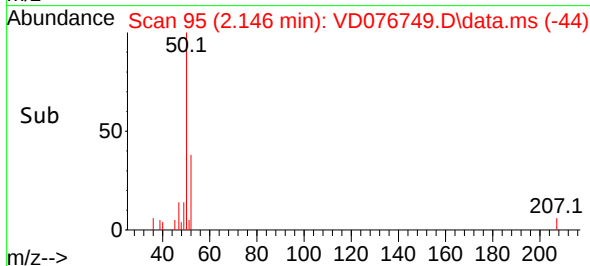
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 50 Resp: 6370  
Ion Ratio Lower Upper  
50 100  
52 38.0 26.6 40.0

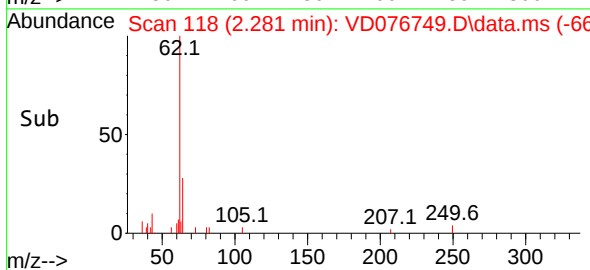
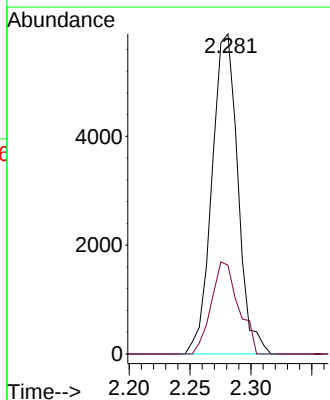
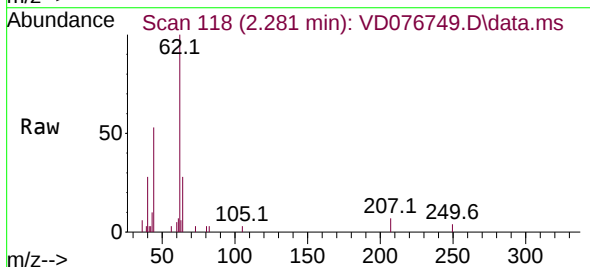
Manual Integrations  
APPROVED

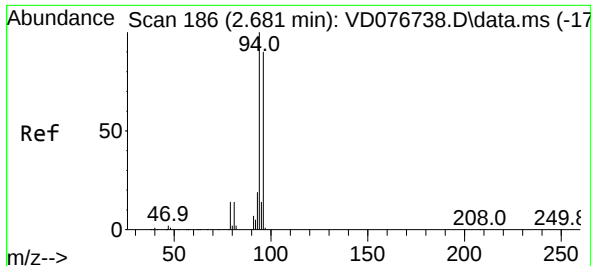
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#4  
Vinyl Chloride  
Concen: 2.409 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

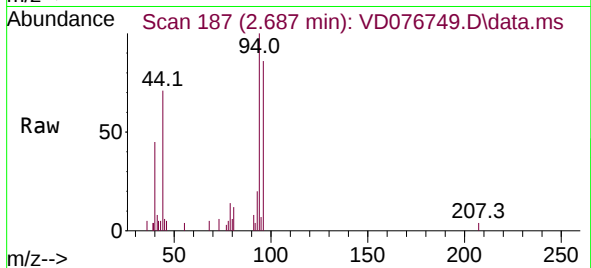
Tgt Ion: 62 Resp: 8716  
Ion Ratio Lower Upper  
62 100  
64 27.8 26.0 39.0





#5  
Bromomethane  
Concen: 2.762 ug/l  
RT: 2.687 min Scan# 186  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

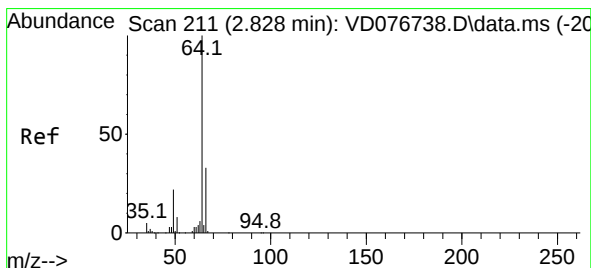
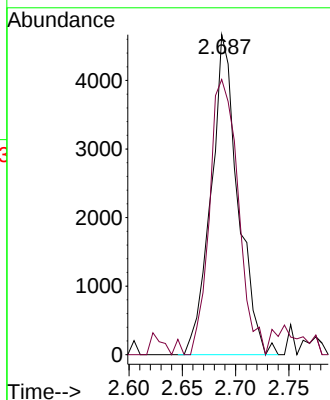
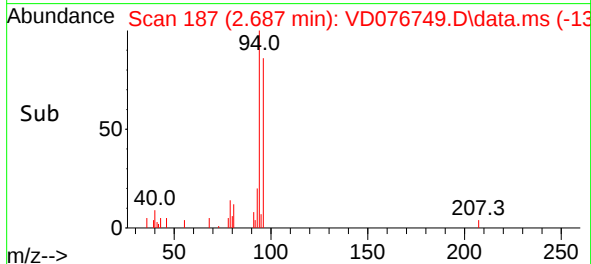
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 94 Resp: 822  
Ion Ratio Lower Upper  
94 100  
96 91.3 75.8 113.8

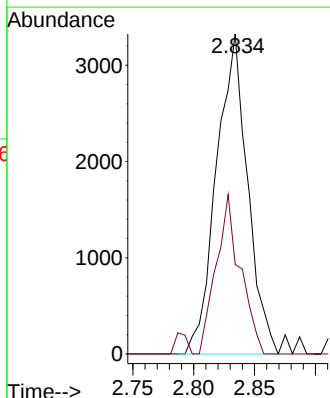
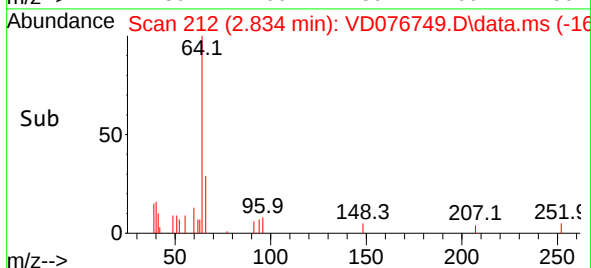
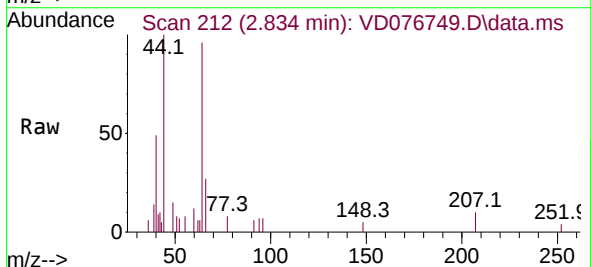
Manual Integrations  
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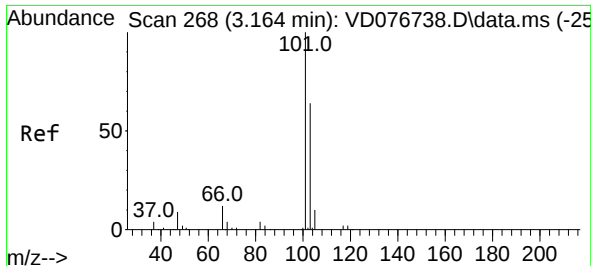
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#6  
Chloroethane  
Concen: 2.164 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Tgt Ion: 64 Resp: 5912  
Ion Ratio Lower Upper  
64 100  
66 27.9 25.5 38.3





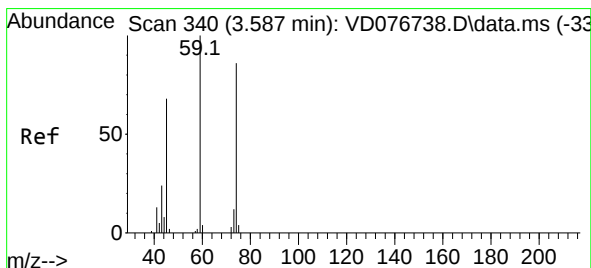
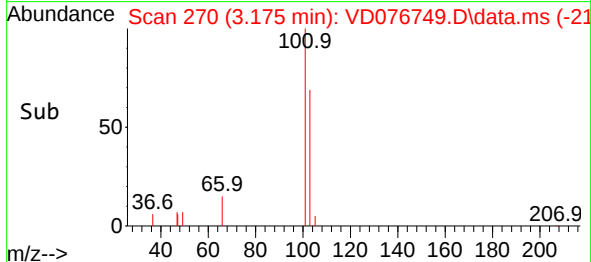
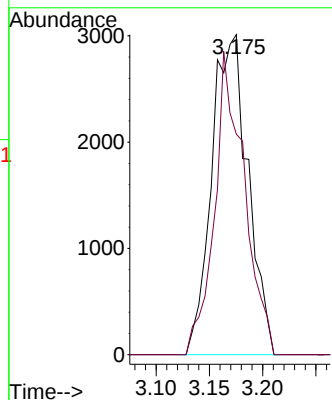
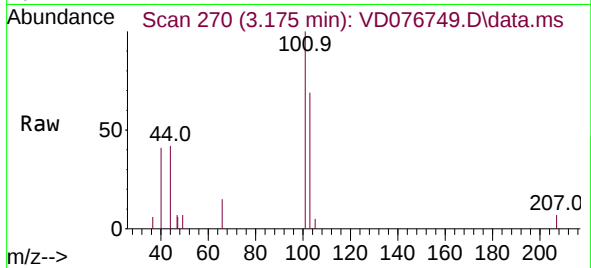
#7  
Trichlorofluoromethane  
Concen: 2.217 ug/l  
RT: 3.175 min Scan# 21  
Delta R.T. 0.011 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:101 Resp: 7138  
Ion Ratio Lower Upper  
101 100  
103 68.9 52.3 78.5

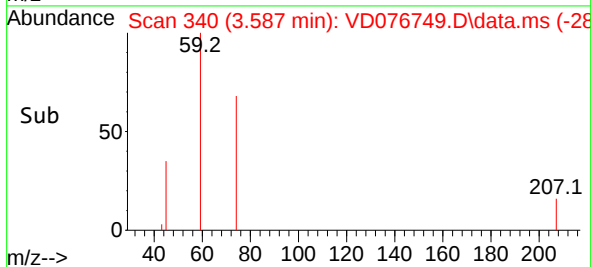
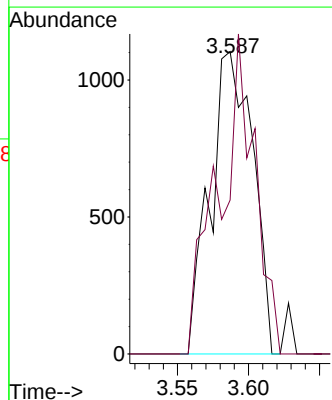
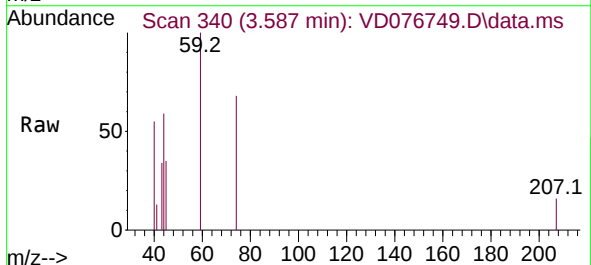
Manual Integrations  
APPROVED

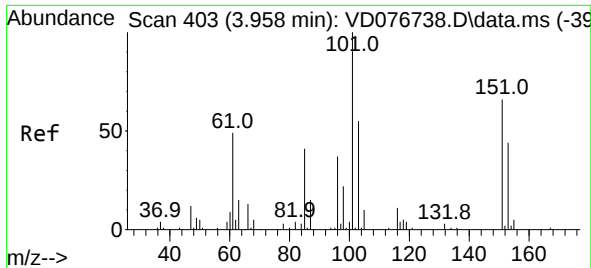
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#8  
Diethyl Ether  
Concen: 2.078 ug/l  
RT: 3.587 min Scan# 340  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Tgt Ion: 74 Resp: 2303  
Ion Ratio Lower Upper  
74 100  
45 90.0 37.5 112.7





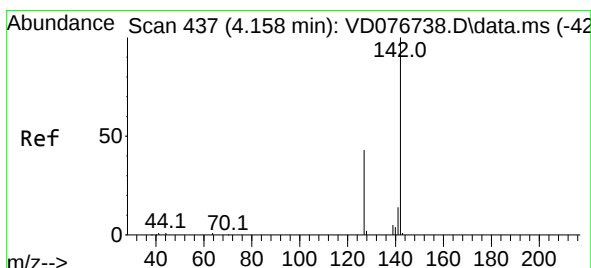
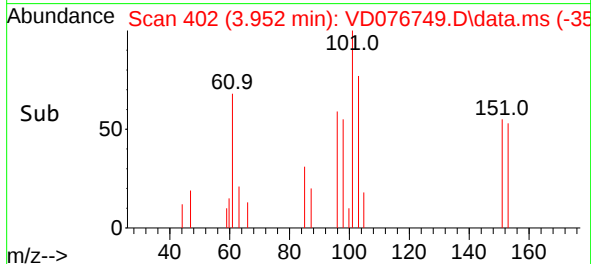
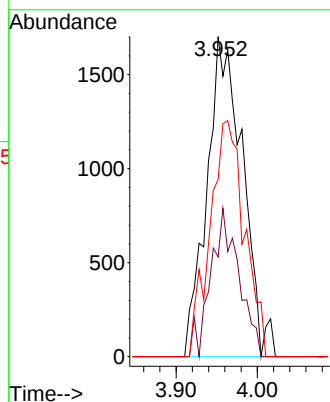
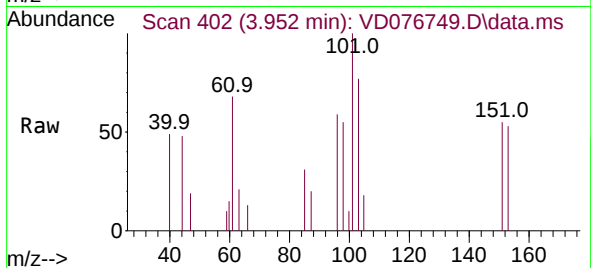
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.460 ug/l  
RT: 3.952 min Scan# 402  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:101 Resp: 5200  
Ion Ratio Lower Upper  
101 100  
85 36.3 33.8 50.6  
151 71.3 59.8 89.6

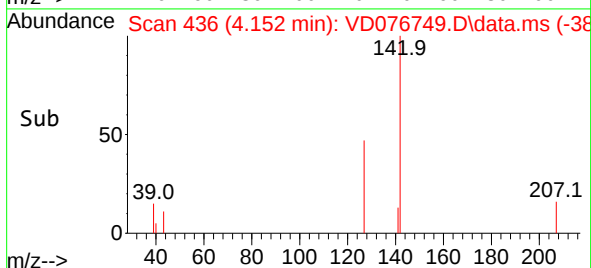
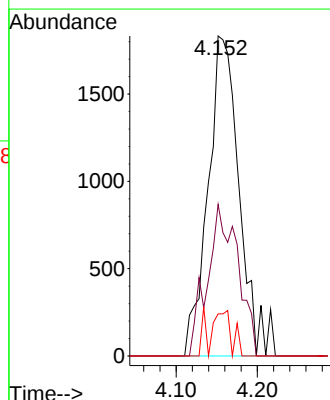
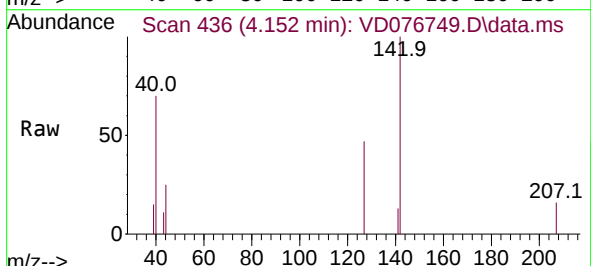
Manual Integrations  
APPROVED

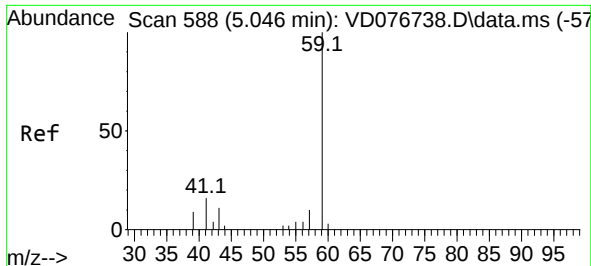
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#10  
Methyl Iodide  
Concen: 2.059 ug/l  
RT: 4.152 min Scan# 436  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

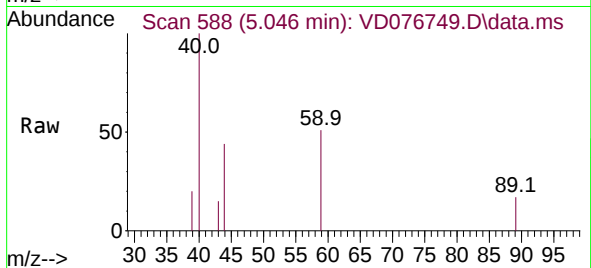
Tgt Ion:142 Resp: 4911  
Ion Ratio Lower Upper  
142 100  
127 46.4 29.4 44.0#  
141 8.0 11.1 16.7#





#11  
Tert butyl alcohol  
Concen: 15.575 ug/l m  
RT: 5.046 min Scan# 588  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

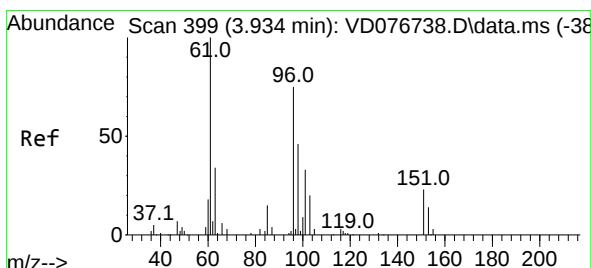
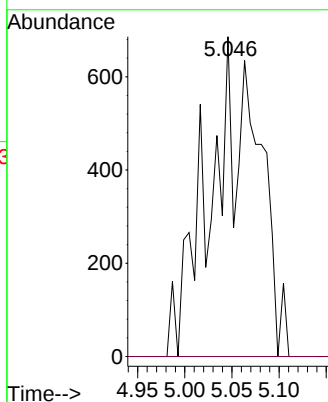
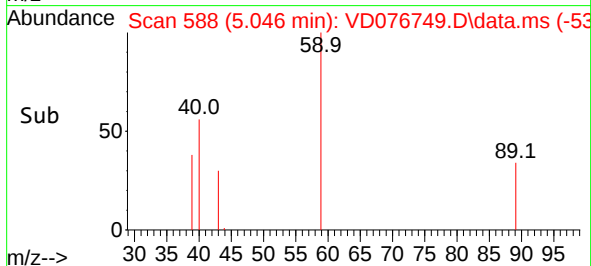
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 59 Resp: 2329  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8

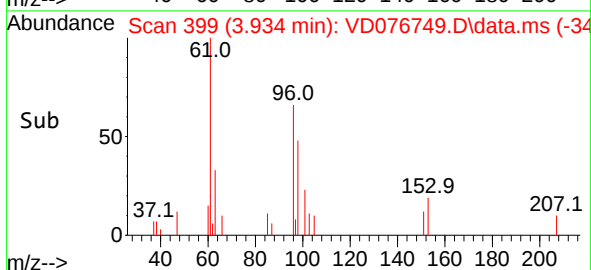
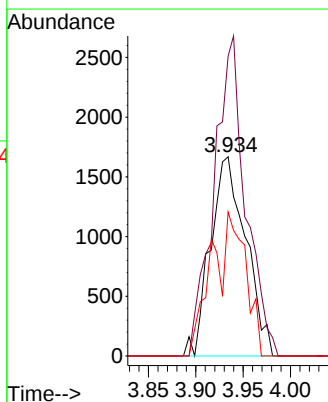
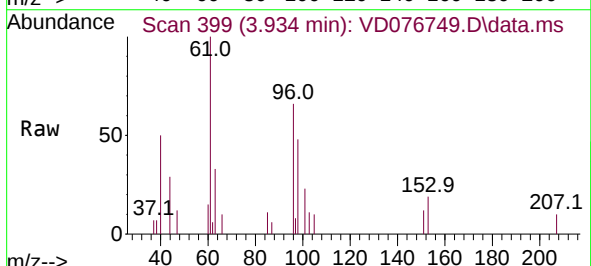
Manual Integrations  
APPROVED

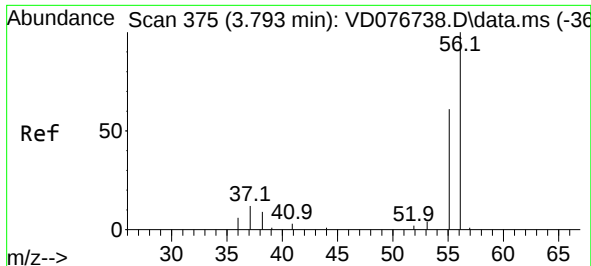
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#12  
1,1-Dichloroethene  
Concen: 2.181 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

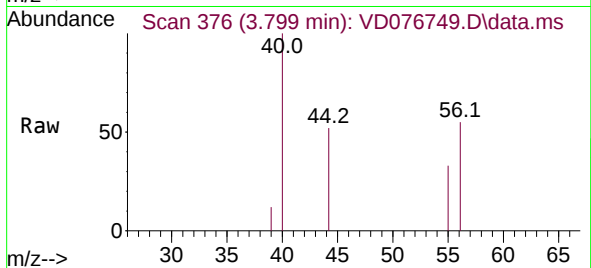
Tgt Ion: 96 Resp: 4337  
Ion Ratio Lower Upper  
96 100  
61 150.4 100.6 150.8  
98 72.3 50.2 75.2





#13  
Acrolein  
Concen: 11.511 ug/l  
RT: 3.799 min Scan# 317  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

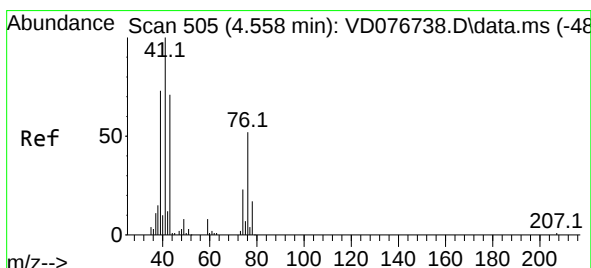
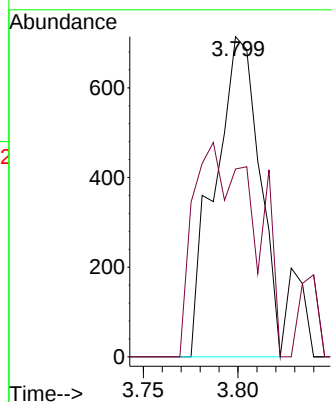
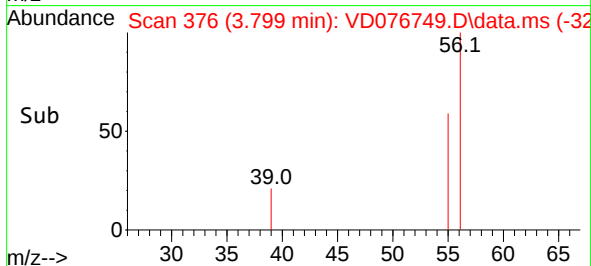
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 56 Resp: 117  
Ion Ratio Lower Upper  
56 100  
55 91.7 55.1 82.7

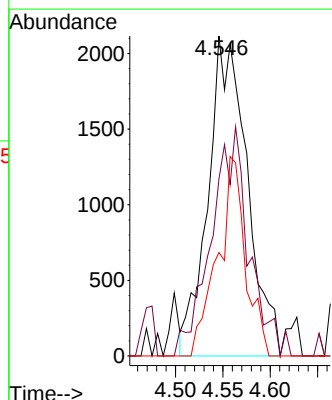
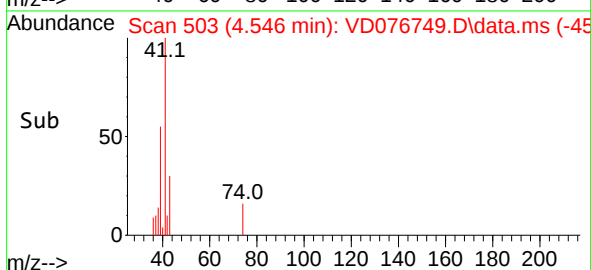
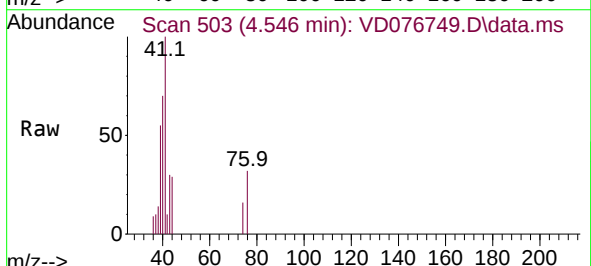
Manual Integrations  
APPROVED

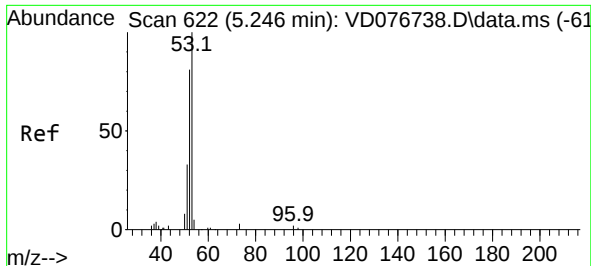
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#14  
Allyl chloride  
Concen: 2.325 ug/l  
RT: 4.546 min Scan# 503  
Delta R.T. -0.012 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

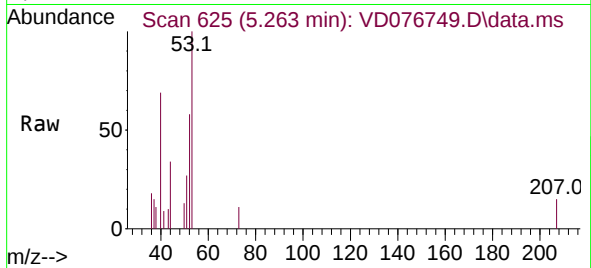
Tgt Ion: 41 Resp: 6071  
Ion Ratio Lower Upper  
41 100  
39 69.1 53.8 80.6  
76 44.3 45.8 68.8





#15  
Acrylonitrile  
Concen: 8.149 ug/l  
RT: 5.263 min Scan# 61  
Delta R.T. 0.017 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

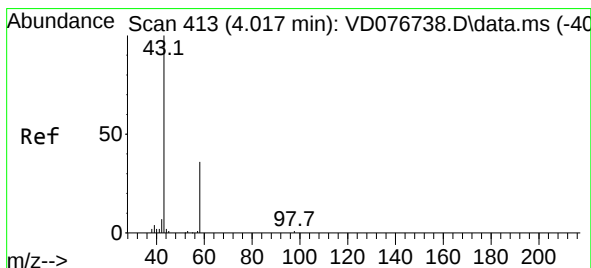
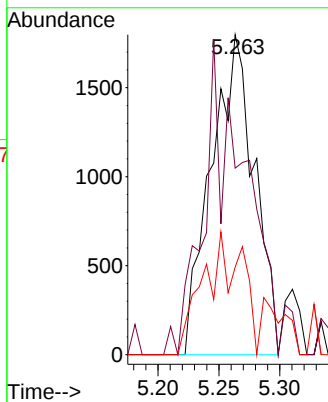
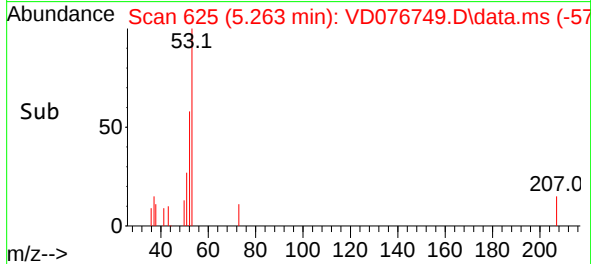
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 53 Resp: 4430  
Ion Ratio Lower Upper  
53 100  
52 39.3 65.0 97.4  
51 21.8 28.3 42.5

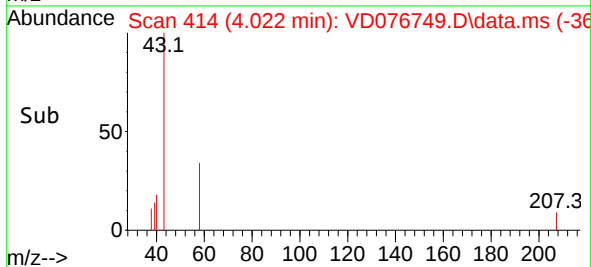
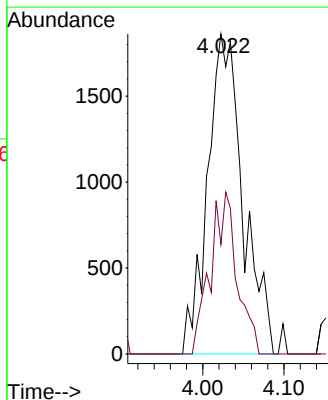
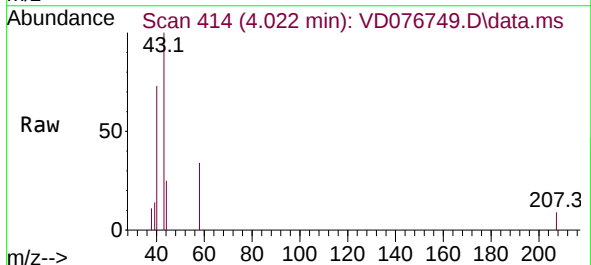
Manual Integrations  
APPROVED

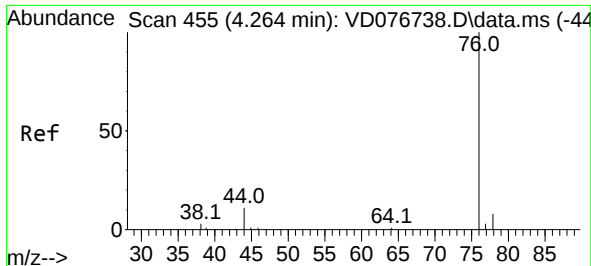
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#16  
Acetone  
Concen: 11.780 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.005 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

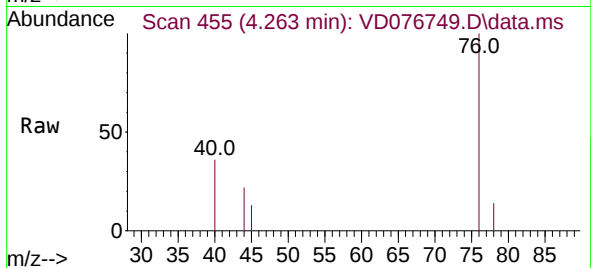
Tgt Ion: 43 Resp: 5638  
Ion Ratio Lower Upper  
43 100  
58 34.3 34.7 52.1#





#17  
Carbon Disulfide  
Concen: 2.423 ug/l  
RT: 4.263 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

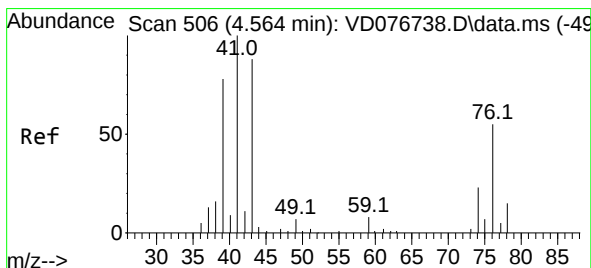
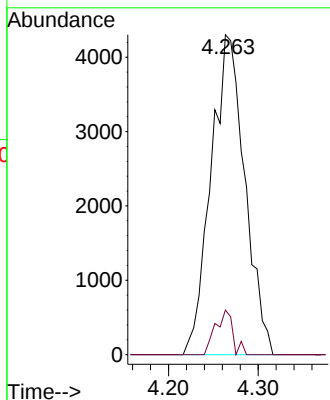
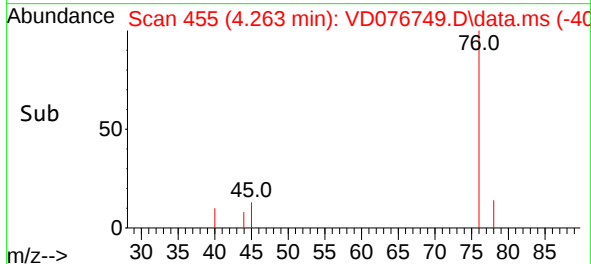
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



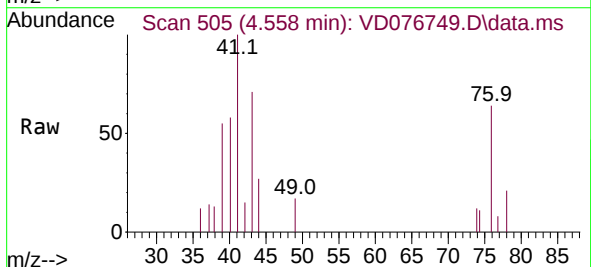
Tgt Ion: 76 Resp: 1125  
Ion Ratio Lower Upper  
76 100  
78 13.9 6.8 10.2

Manual Integrations  
APPROVED

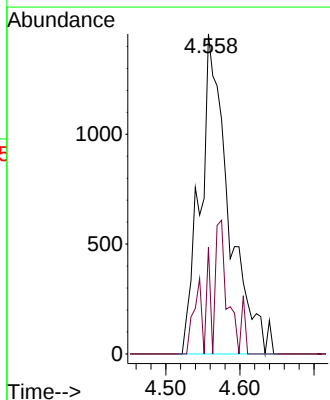
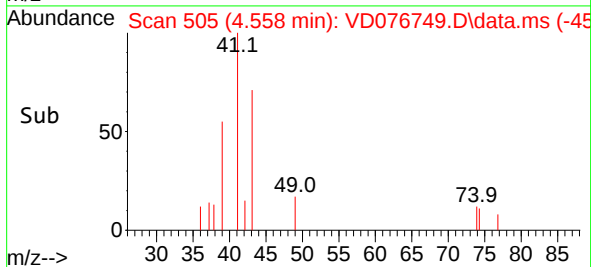
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023

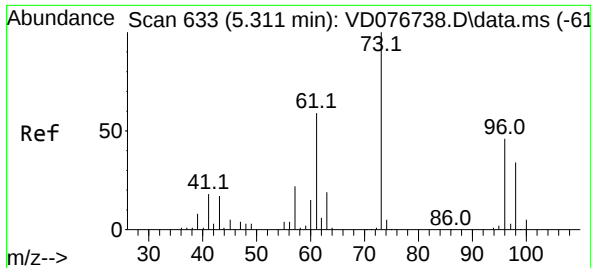


#18  
Methyl Acetate  
Concen: 2.166 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41



Tgt Ion: 43 Resp: 3894  
Ion Ratio Lower Upper  
43 100  
74 6.5 26.4 39.6





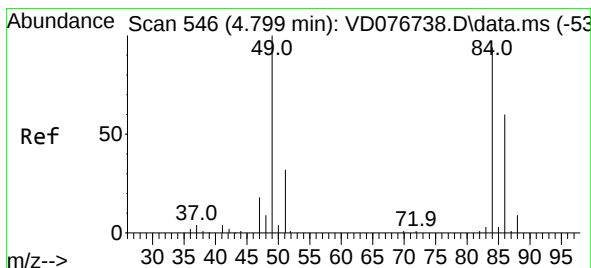
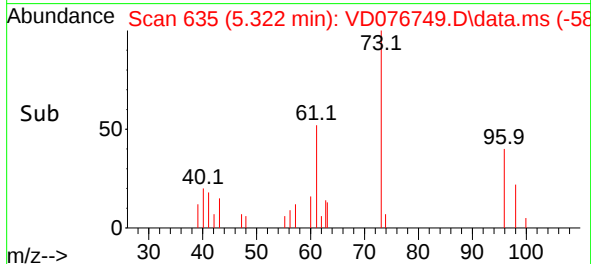
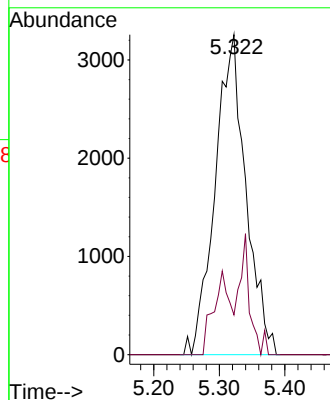
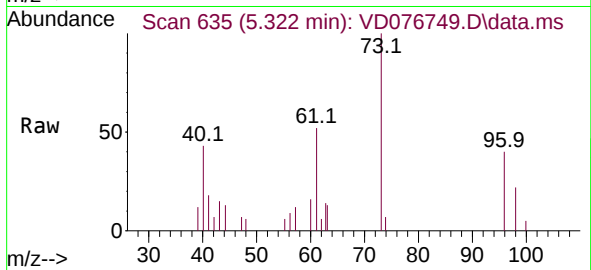
#19  
Methyl tert-butyl Ether  
Concen: 1.989 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. 0.011 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 73 Resp: 1060  
Ion Ratio Lower Upper  
73 100  
57 12.4 16.6 25.0

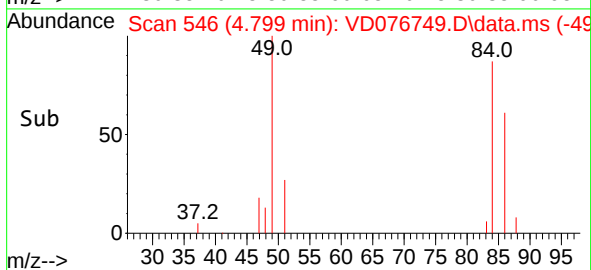
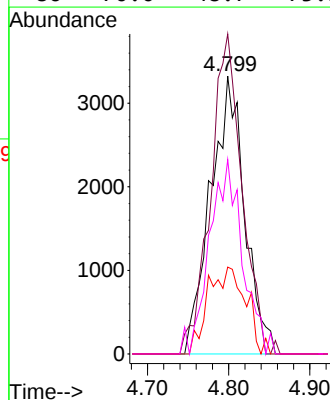
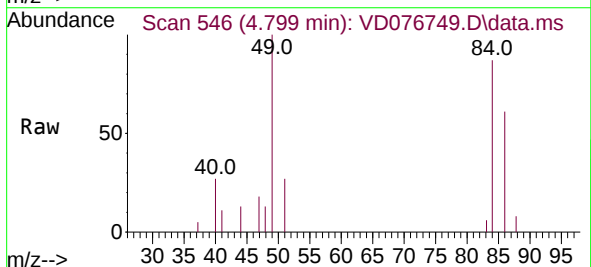
Manual Integrations  
APPROVED

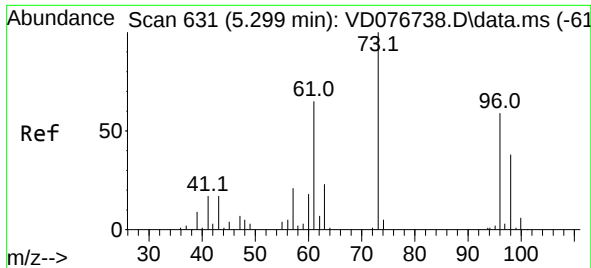
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#20  
Methylene Chloride  
Concen: 2.439 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

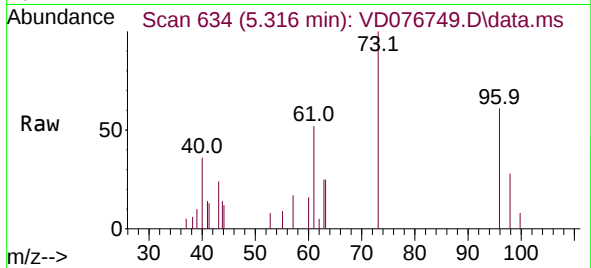
Tgt Ion: 84 Resp: 9654  
Ion Ratio Lower Upper  
84 100  
49 115.2 71.4 107.2#  
51 31.3 24.5 36.7  
86 70.0 48.7 73.1





#21  
trans-1,2-Dichloroethene  
Concen: 2.218 ug/l  
RT: 5.316 min Scan# 61  
Delta R.T. 0.017 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

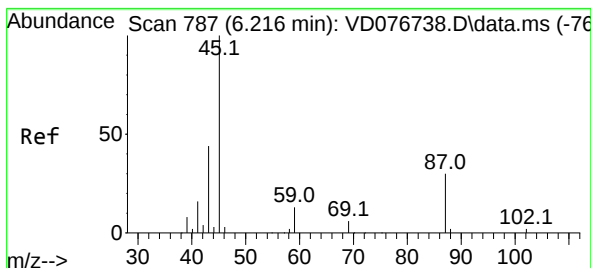
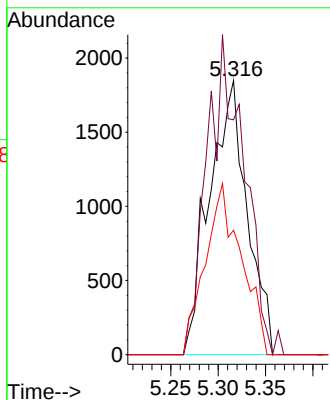
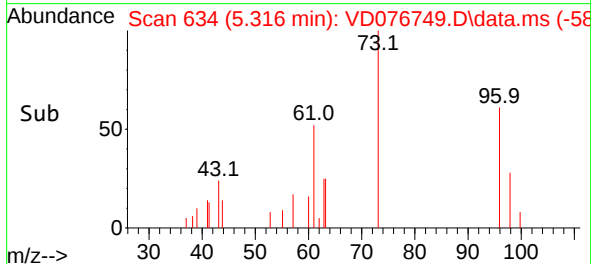
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 96 Resp: 512  
Ion Ratio Lower Upper  
96 100  
61 85.7 89.3 133.9  
98 45.4 48.6 73.0

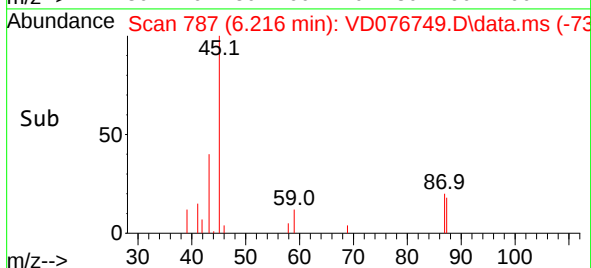
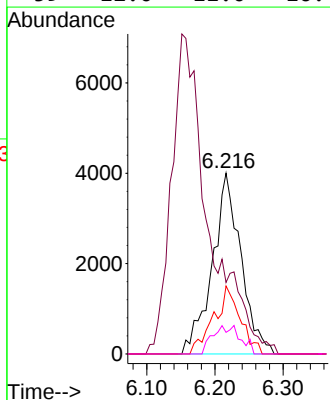
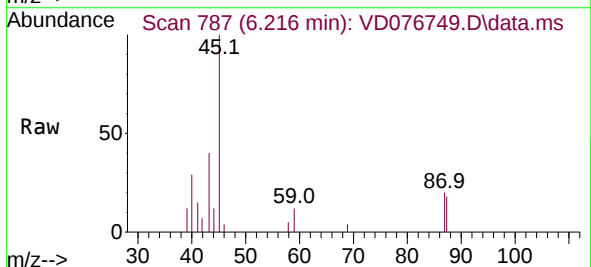
Manual Integrations  
APPROVED

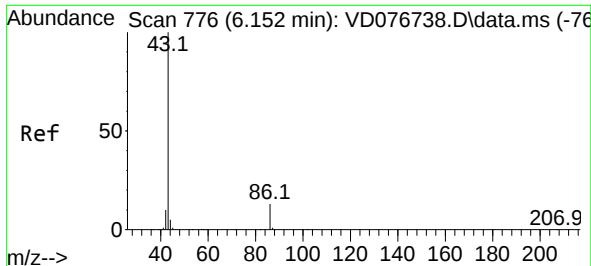
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#22  
Diisopropyl ether  
Concen: 1.889 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

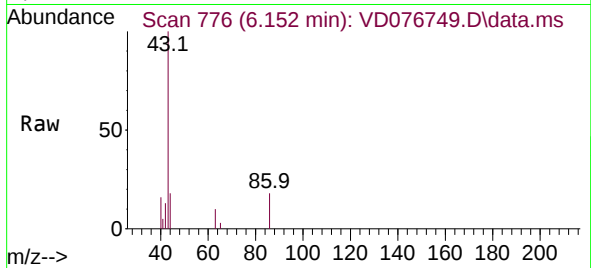
Tgt Ion: 45 Resp: 11684  
Ion Ratio Lower Upper  
45 100  
43 39.5 40.0 60.0  
87 37.6 28.2 42.4  
59 12.0 11.0 16.4





#23  
 Vinyl Acetate  
 Concen: 8.728 ug/l  
 RT: 6.152 min Scan# 776  
 Delta R.T. -0.000 min  
 Lab File: VD076749.D  
 Acq: 17 Jul 2023 12:41

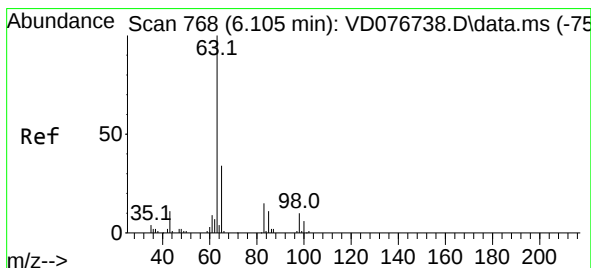
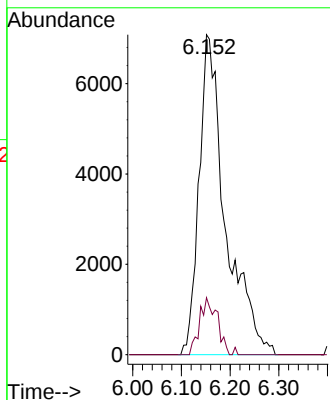
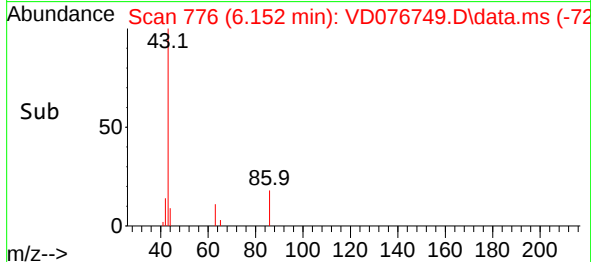
Instrument : MSVOA\_D  
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



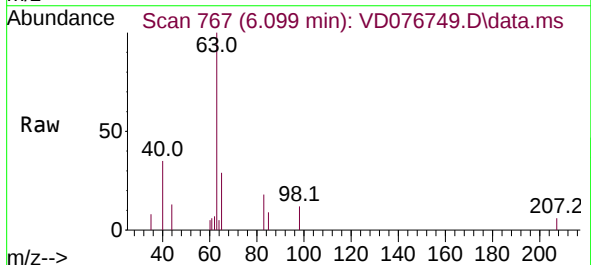
Tgt Ion: 43 Resp: 26709  
 Ion Ratio Lower Upper  
 43 100  
 86 17.8 12.5 18.7

Manual Integrations  
 APPROVED

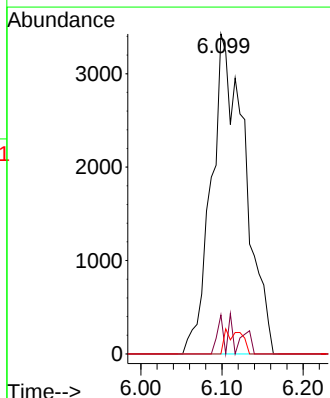
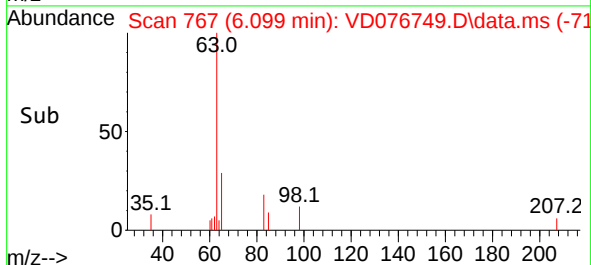
Reviewed By :John Carlone 07/18/2023  
 Supervised By :Mahesh Dadoda 07/18/2023

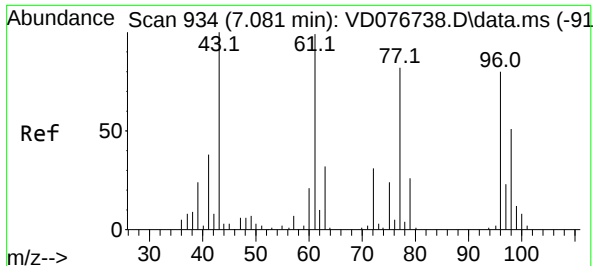


#24  
 1,1-Dichloroethane  
 Concen: 2.380 ug/l  
 RT: 6.099 min Scan# 767  
 Delta R.T. -0.006 min  
 Lab File: VD076749.D  
 Acq: 17 Jul 2023 12:41



Tgt Ion: 63 Resp: 9926  
 Ion Ratio Lower Upper  
 63 100  
 98 12.2 4.5 13.7  
 100 0.0 2.5 7.5#





#25

2-Butanone

Concen: 15.962 ug/l

RT: 7.093 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 43 Resp: 10224

Ion Ratio Lower Upper

43 100

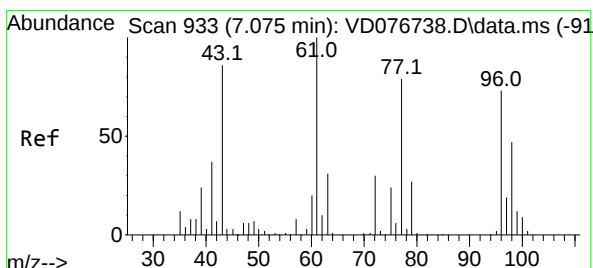
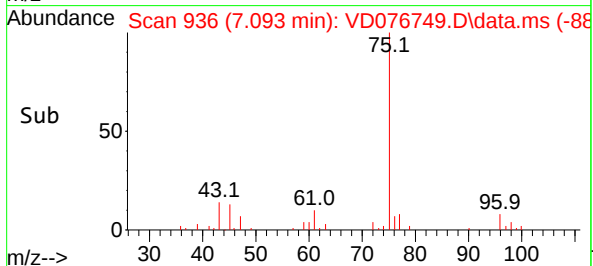
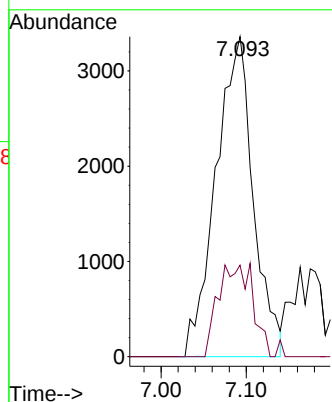
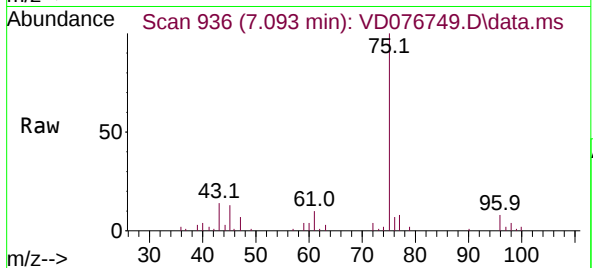
72 28.6 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#26

2,2-Dichloropropane

Concen: 3.658 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.006 min

Lab File: VD076749.D

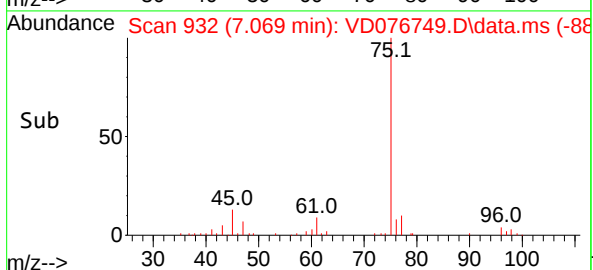
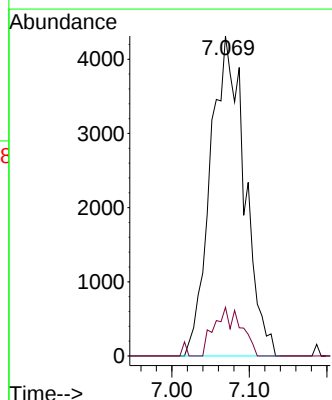
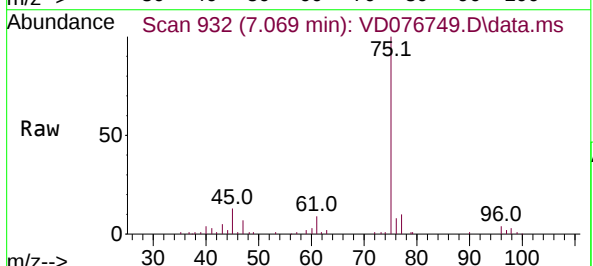
Acq: 17 Jul 2023 12:41

Tgt Ion: 77 Resp: 13149

Ion Ratio Lower Upper

77 100

97 12.0 13.2 39.6#





#27

cis-1,2-Dichloroethene

Concen: 2.324 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD076749.D

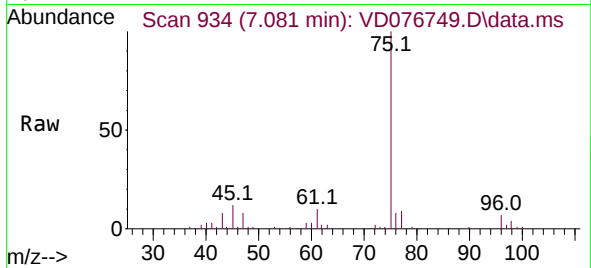
Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



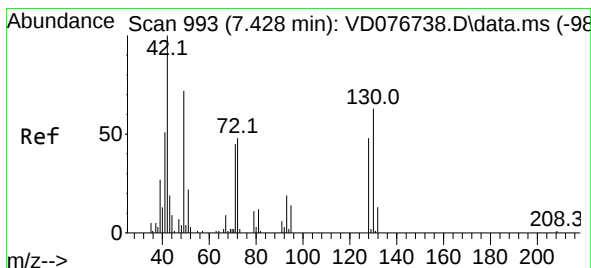
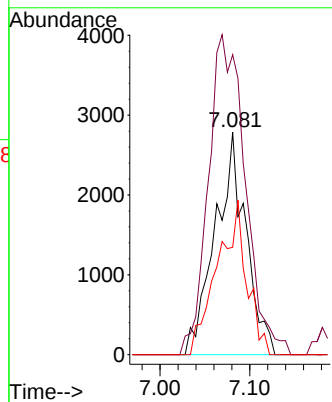
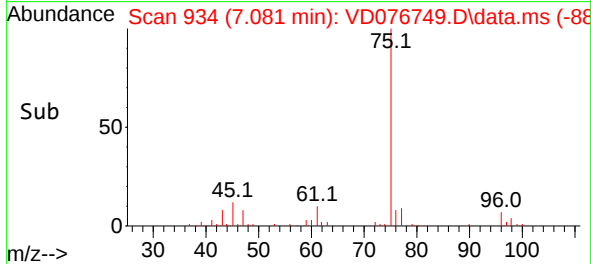
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 662   |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 173.0    | 0.0 239.2   |
| 98 66.3     | 0.0 128.6   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#28

Bromochloromethane

Concen: 2.599 ug/l

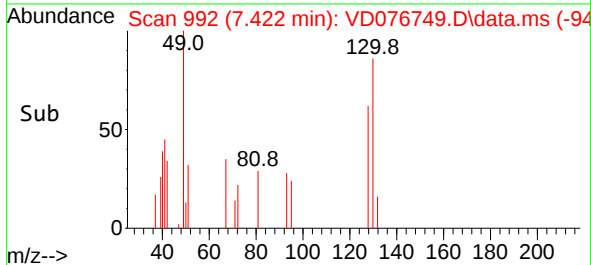
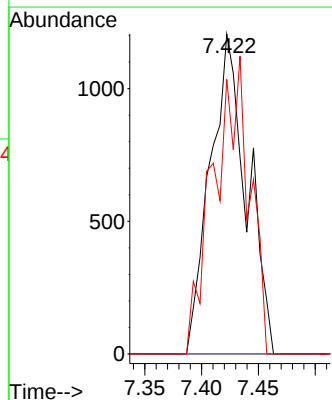
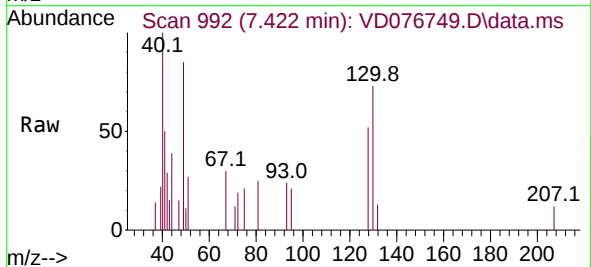
RT: 7.422 min Scan# 992

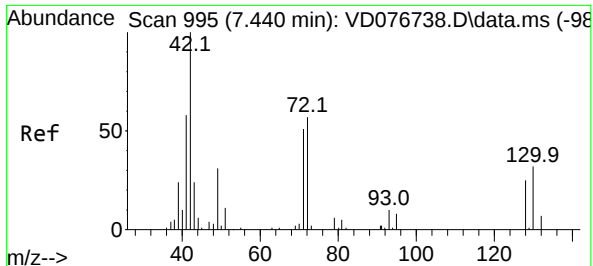
Delta R.T. -0.006 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

|             |             |
|-------------|-------------|
| Tgt Ion: 49 | Resp: 2709  |
| Ion Ratio   | Lower Upper |
| 49 100      |             |
| 129 0.0     | 0.0 6.0     |
| 130 90.9    | 83.2 124.8  |





#29

Tetrahydrofuran

Concen: 9.085 ug/l

RT: 7.451 min Scan# 995

Delta R.T. 0.011 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

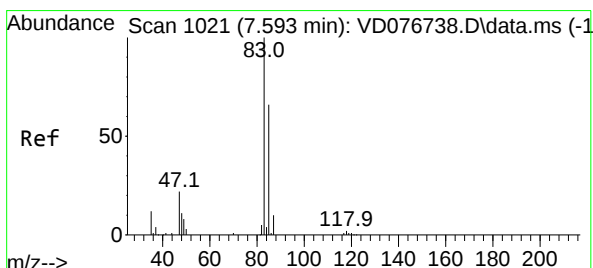
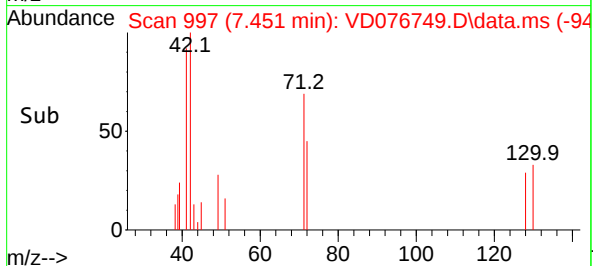
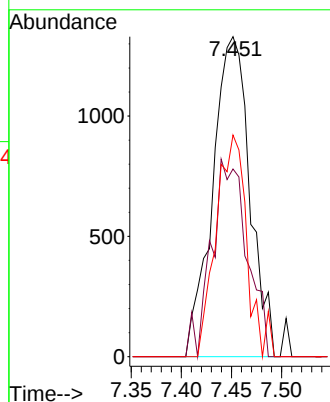
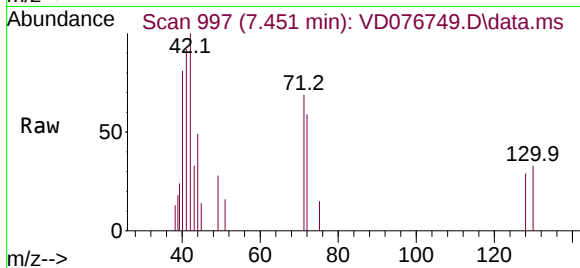
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 3438  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 59.1  | 46.5  | 69.7  |
| 71       | 57.0  | 44.5  | 66.7  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#30

Chloroform

Concen: 2.333 ug/l

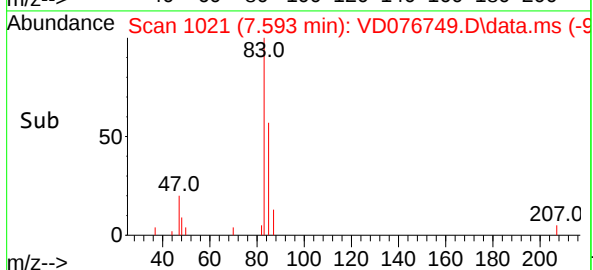
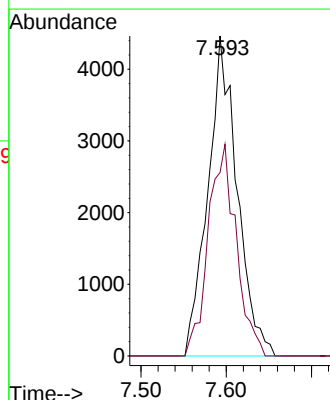
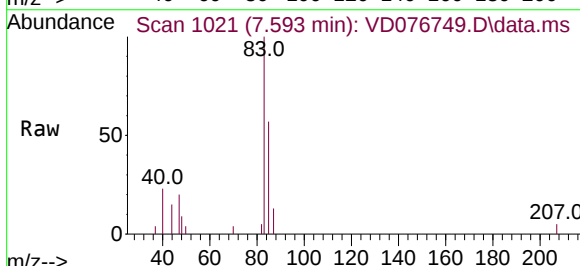
RT: 7.593 min Scan# 1021

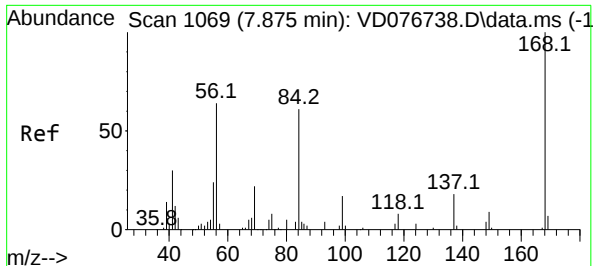
Delta R.T. -0.000 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

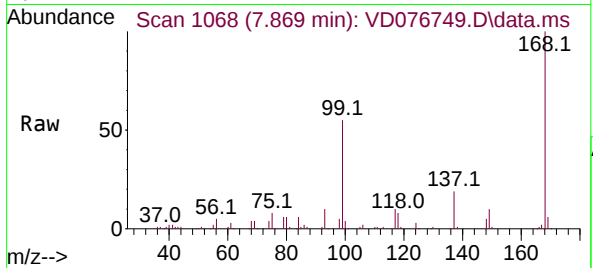
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 10653 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 57.3  | 53.4  | 80.2  |





#31  
Cyclohexane  
Concen: 3.488 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

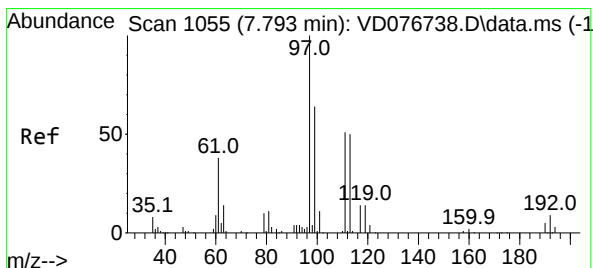
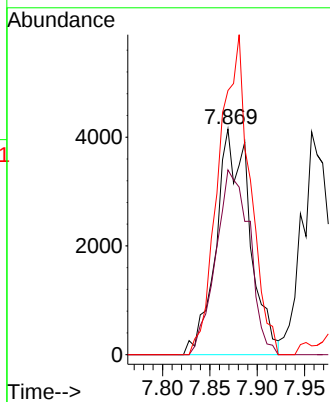
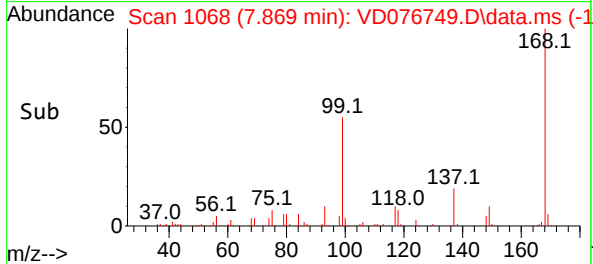
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 56 Resp: 1028  
Ion Ratio Lower Upper  
56 100  
69 81.9 28.6 43.0  
84 117.1 84.8 127.2

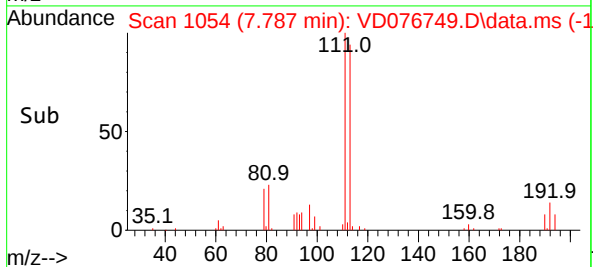
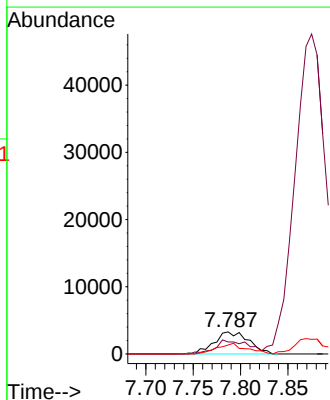
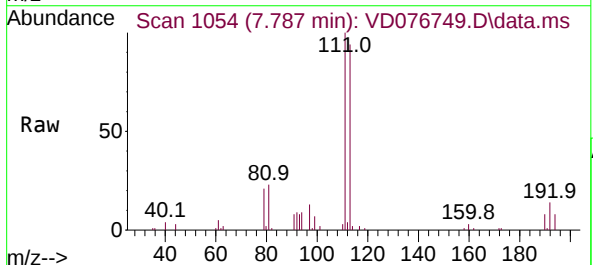
Manual Integrations  
APPROVED

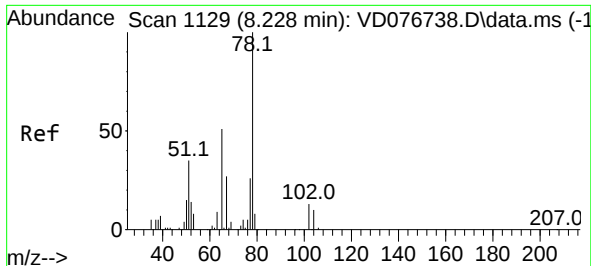
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#32  
1,1,1-Trichloroethane  
Concen: 2.254 ug/l  
RT: 7.787 min Scan# 1054  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Tgt Ion: 97 Resp: 8304  
Ion Ratio Lower Upper  
97 100  
99 60.0 52.0 78.0  
61 40.3 33.8 50.8





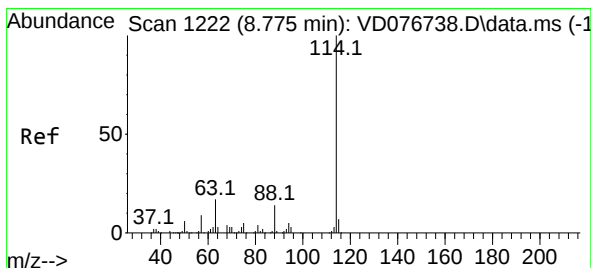
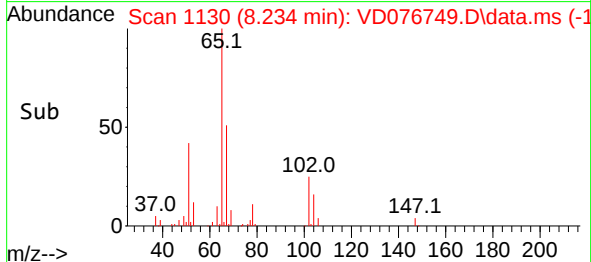
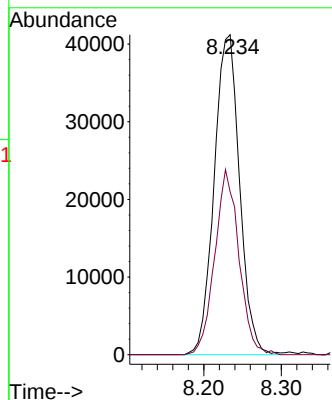
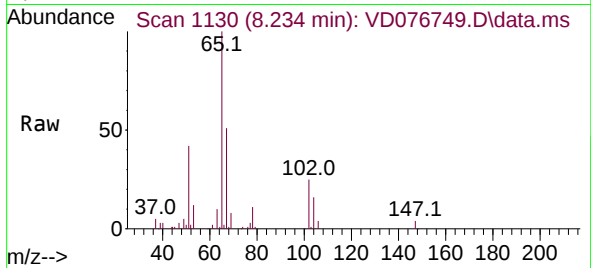
#33  
1,2-Dichloroethane-d4  
Concen: 46.887 ug/l  
RT: 8.234 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 65 Resp: 93958  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 115.0

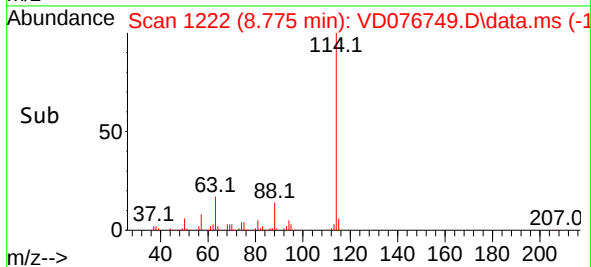
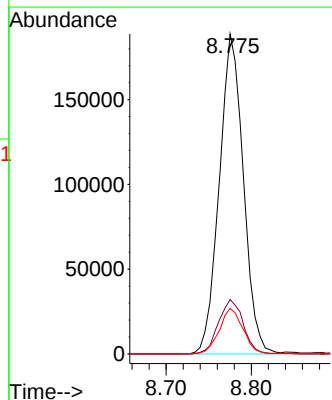
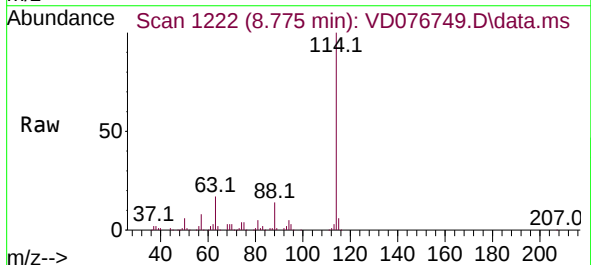
Manual Integrations  
APPROVED

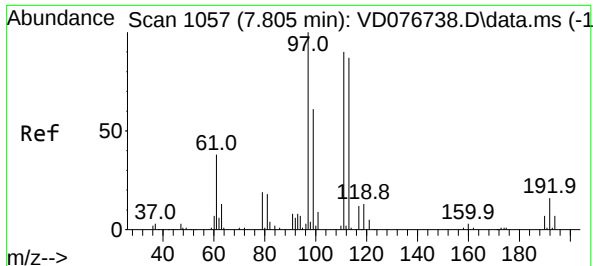
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Tgt Ion:114 Resp: 371102  
Ion Ratio Lower Upper  
114 100  
63 17.0 0.0 33.4  
88 14.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 49.178 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

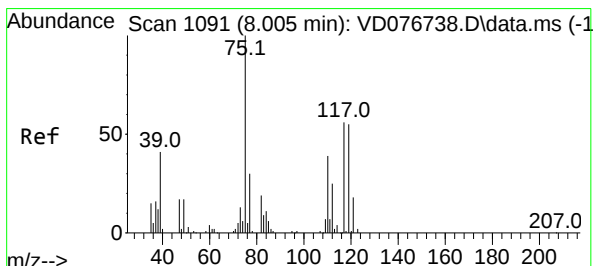
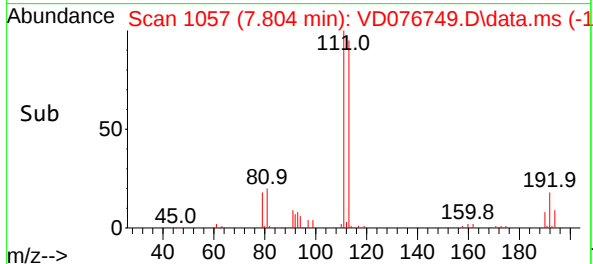
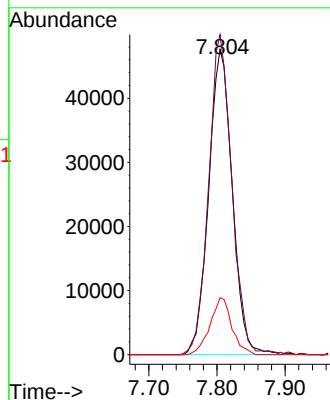
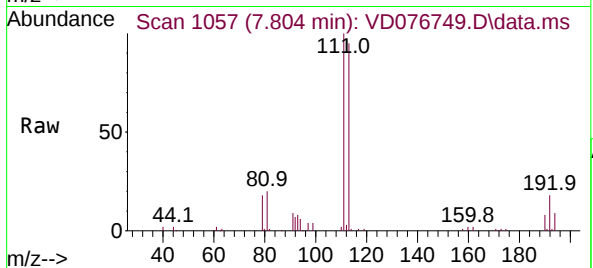
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 114684 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.4 | 84.7  | 127.1  |
| 192       | 17.2  | 16.8  | 25.2   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#36

1,1-Dichloropropene

Concen: 2.270 ug/l

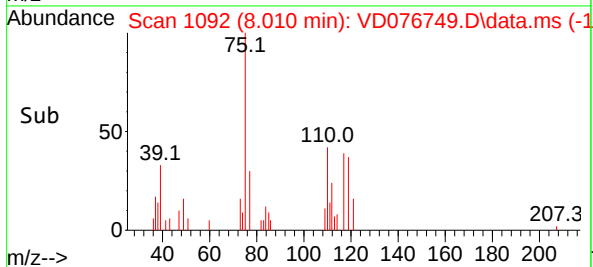
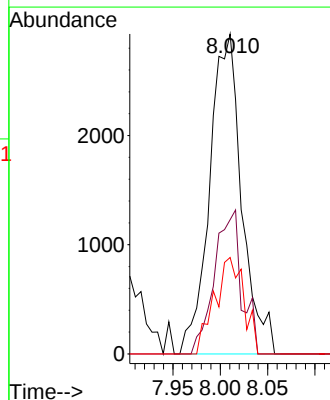
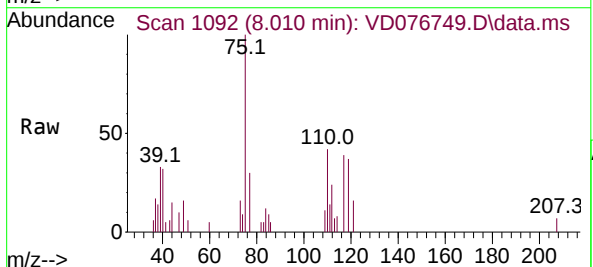
RT: 8.010 min Scan# 1092

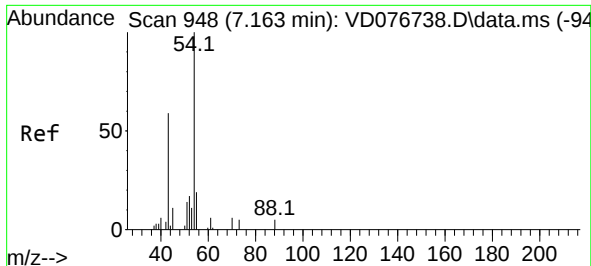
Delta R.T. 0.005 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 6918 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 110       | 38.1  | 19.9  | 59.6 |
| 77        | 27.4  | 24.7  | 37.1 |





#37

Ethyl Acetate

Concen: 1.648 ug/l

RT: 7.163 min Scan# 948

Delta R.T. 0.000 min

Lab File: VD076749.D

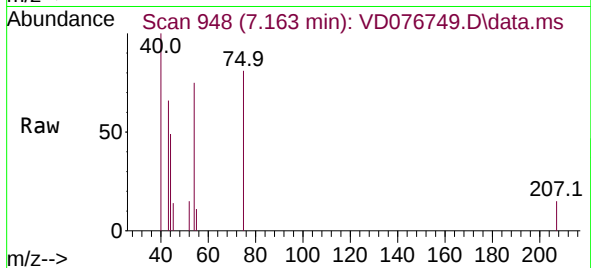
Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



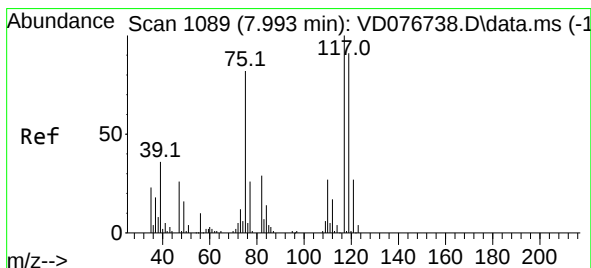
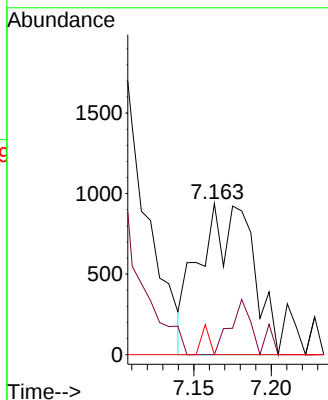
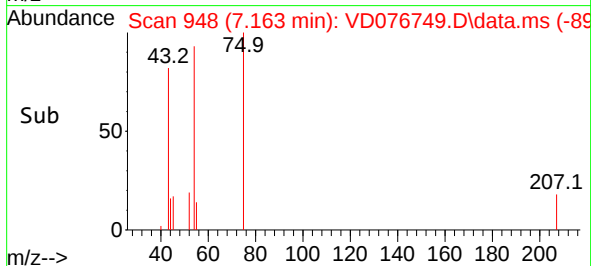
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2240  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 14.9  | 22.3  |
| 70       | 2.9   | 10.0  | 15.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#38

Carbon Tetrachloride

Concen: 2.071 ug/l

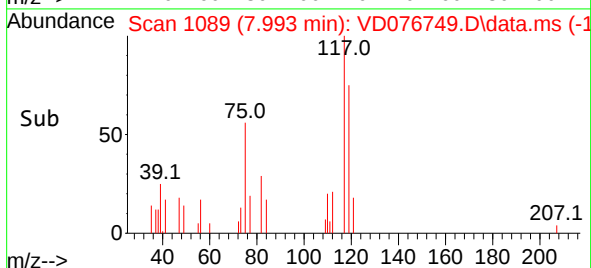
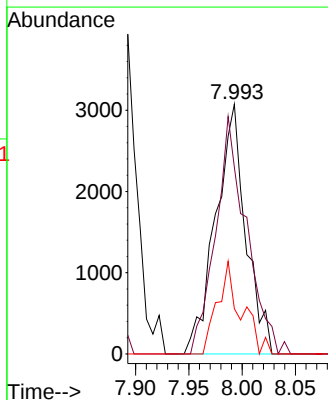
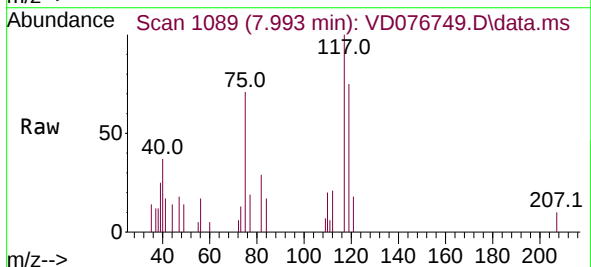
RT: 7.993 min Scan# 1089

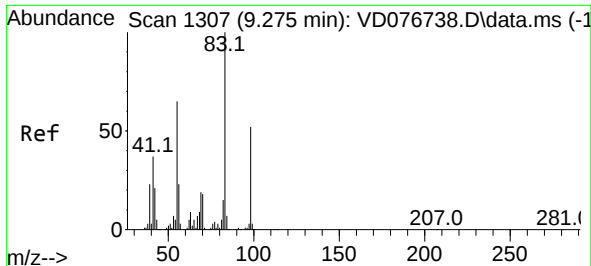
Delta R.T. -0.000 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 6043   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 74.8  | 78.0  | 117.0# |
| 121      | 18.1  | 24.2  | 36.2#  |





#39

Methylcyclohexane

Concen: 2.197 ug/l

RT: 9.281 min Scan# 11308

Delta R.T. 0.006 min

Lab File: VD076749.D

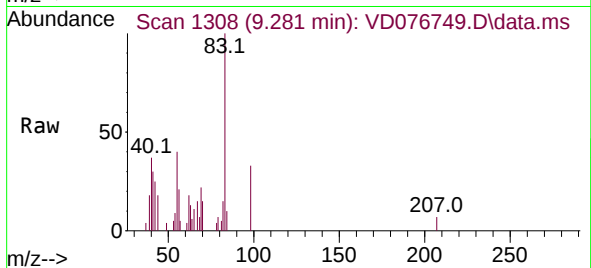
Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



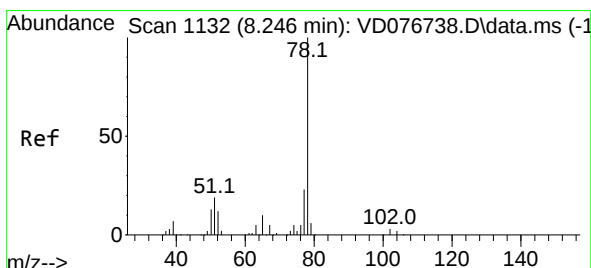
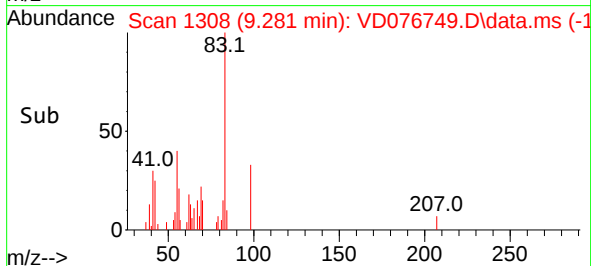
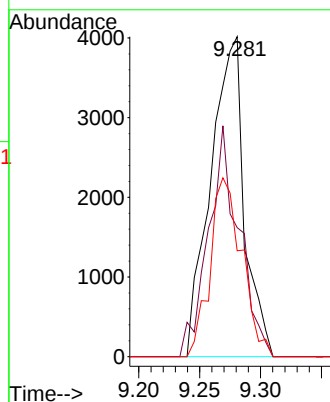
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 83    | Resp: | 773  |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 55        | 40.3  | 49.4  | 74.0 |
| 98        | 33.1  | 38.4  | 57.6 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#40

Benzene

Concen: 2.221 ug/l

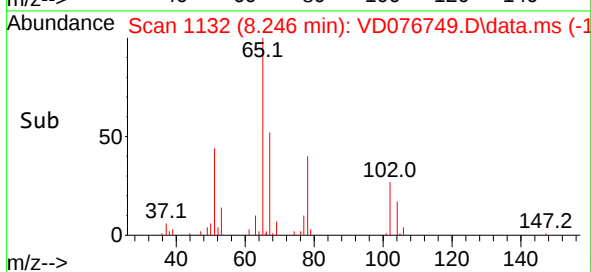
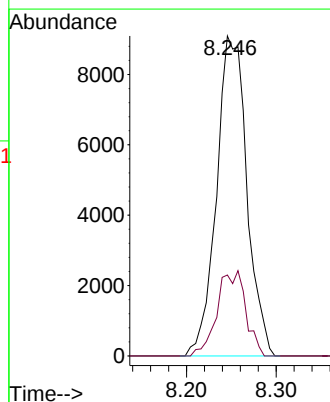
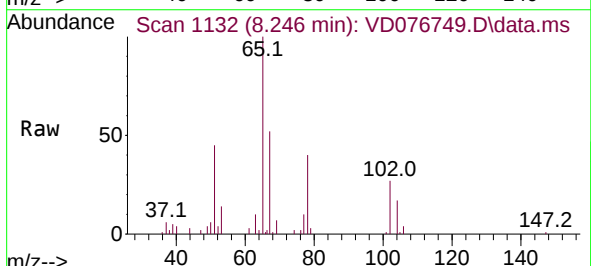
RT: 8.246 min Scan# 1132

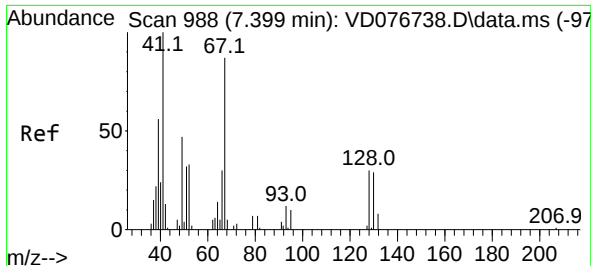
Delta R.T. -0.000 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

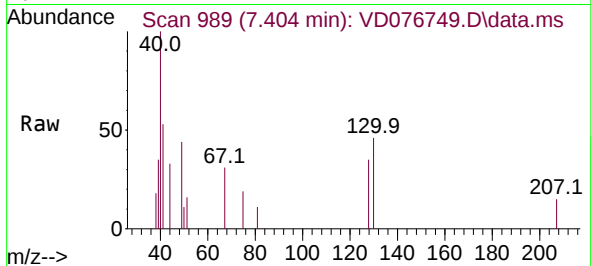
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 78    | Resp: | 21356 |
| Ion Ratio | Lower | Upper |       |
| 78        | 100   |       |       |
| 77        | 25.3  | 19.4  | 29.0  |





#41  
Methacrylonitrile  
Concen: 2.504 ug/l m  
RT: 7.404 min Scan# 91  
Delta R.T. 0.005 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

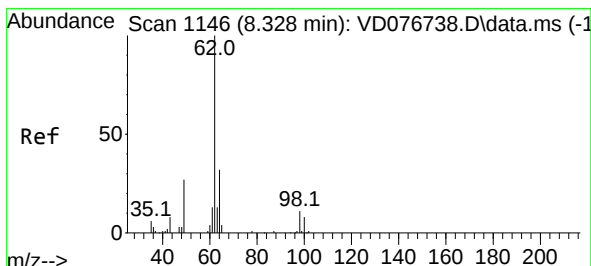
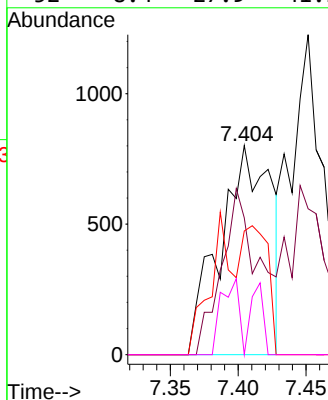
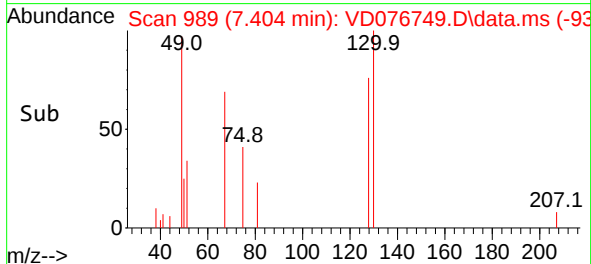
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 41 Resp: 2084  
Ion Ratio Lower Upper  
41 100  
39 0.0 34.0 51.0  
67 31.4 77.0 115.4  
52 8.4 27.9 41.9#

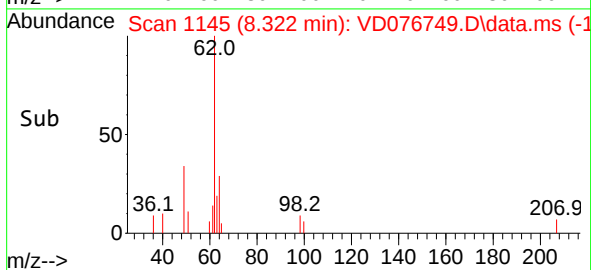
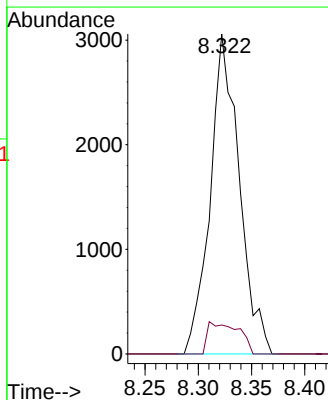
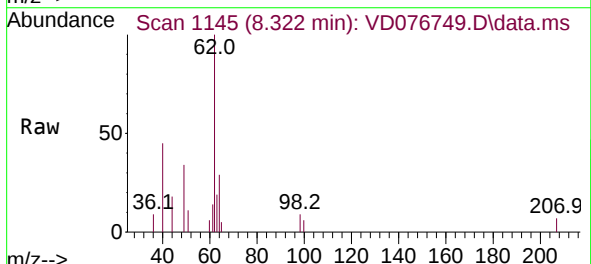
Manual Integrations  
APPROVED

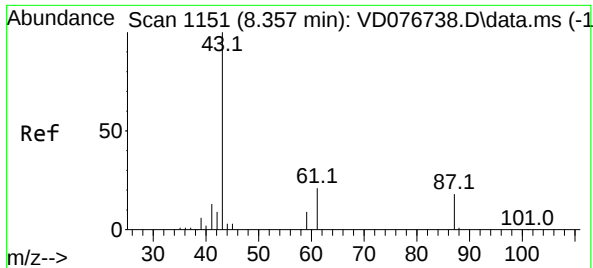
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#42  
1,2-Dichloroethane  
Concen: 2.322 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

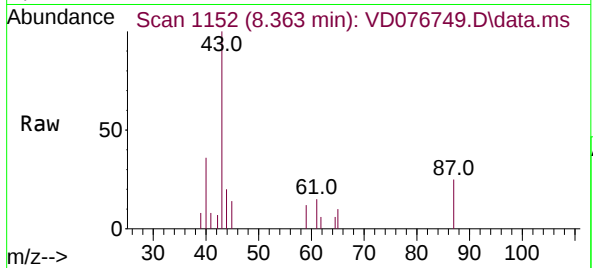
Tgt Ion: 62 Resp: 5802  
Ion Ratio Lower Upper  
62 100  
98 10.6 0.0 25.4





#43  
Isopropyl Acetate  
Concen: 1.866 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

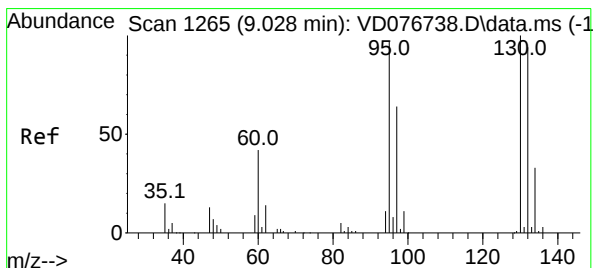
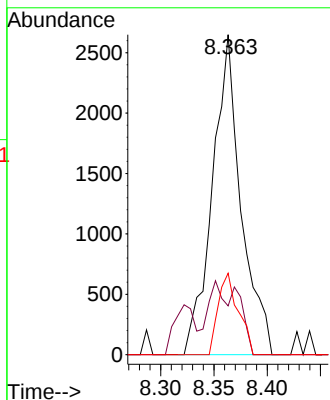
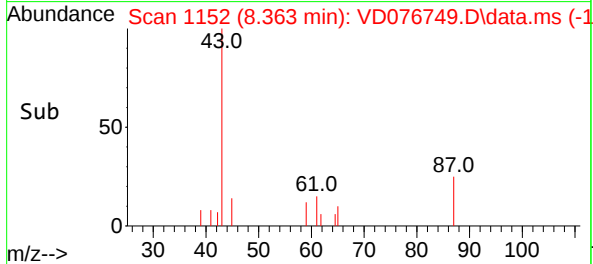
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



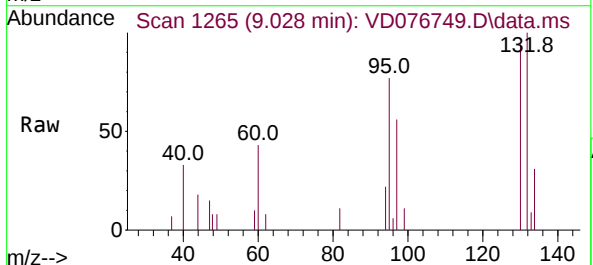
Tgt Ion: 43 Resp: 496  
Ion Ratio Lower Upper  
43 100  
61 8.3 31.4 47.0  
87 17.8 14.9 22.3

Manual Integrations  
APPROVED

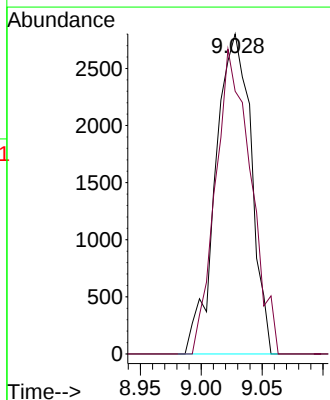
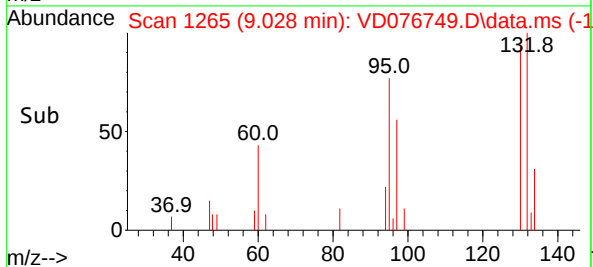
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023

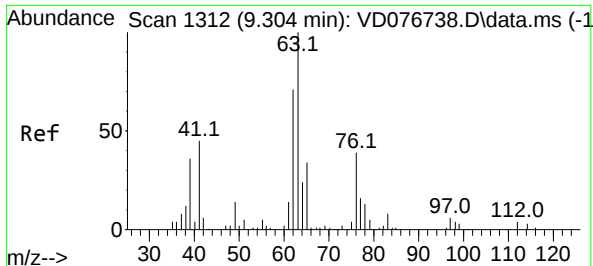


#44  
Trichloroethene  
Concen: 2.172 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41



Tgt Ion:130 Resp: 5690  
Ion Ratio Lower Upper  
130 100  
95 82.1 0.0 179.2





#45

1,2-Dichloropropane

Concen: 2.114 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD076749.D

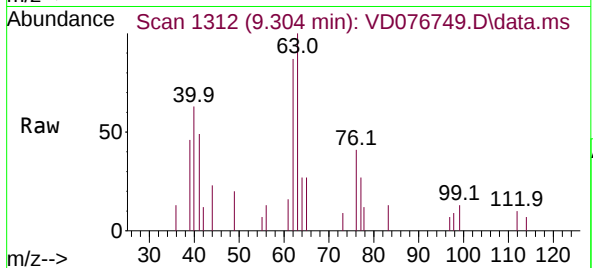
Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 63 Resp: 5240

Ion Ratio Lower Upper

63 100

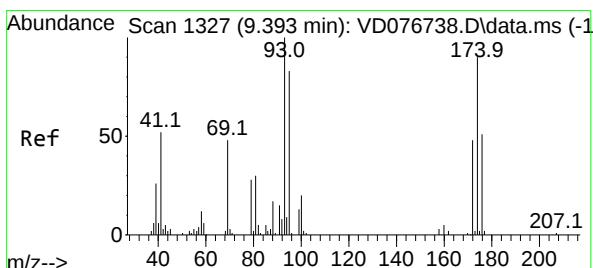
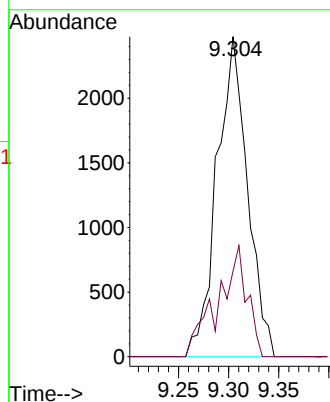
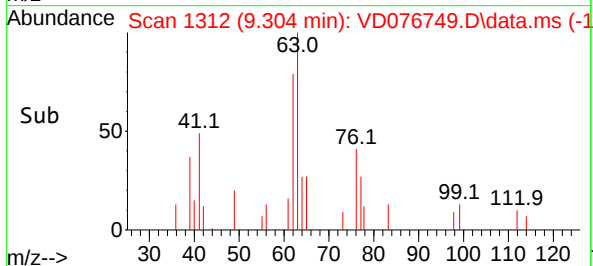
65 26.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#46

Dibromomethane

Concen: 2.431 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. 0.005 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

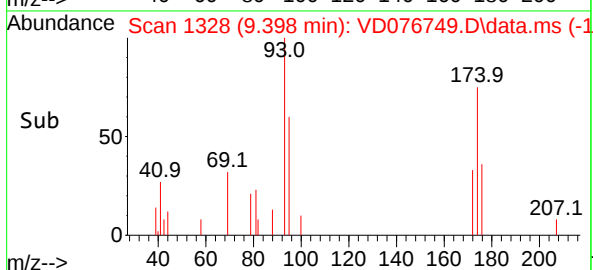
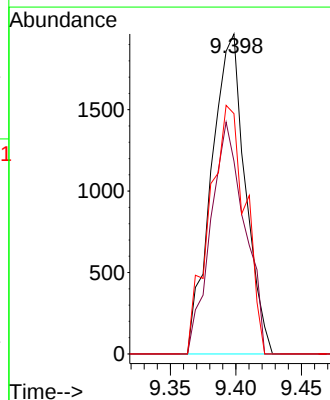
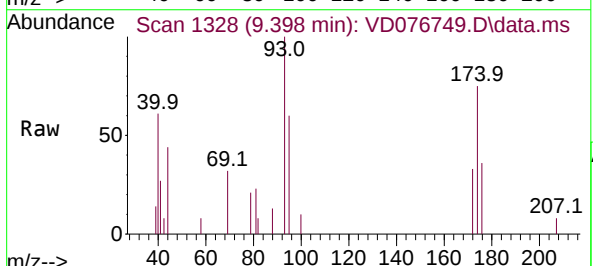
Tgt Ion: 93 Resp: 3532

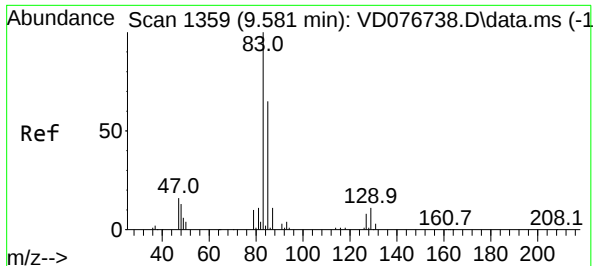
Ion Ratio Lower Upper

93 100

95 72.4 67.7 101.5

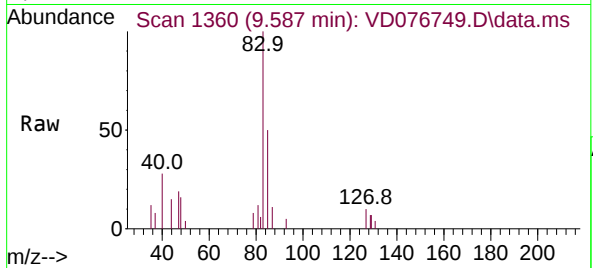
174 82.5 85.4 128.2#





#47  
Bromodichloromethane  
Concen: 2.263 ug/l  
RT: 9.587 min Scan# 1359  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

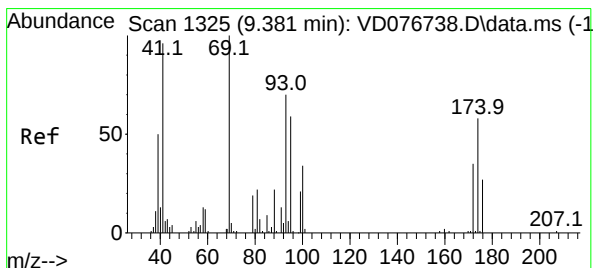
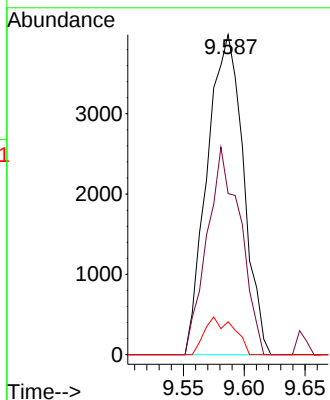
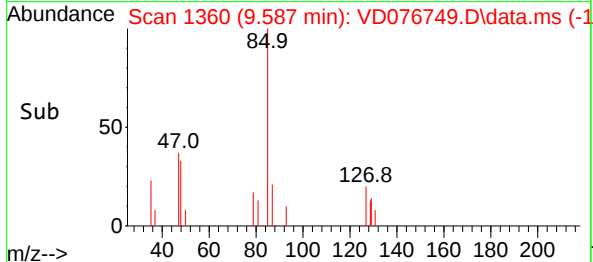
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



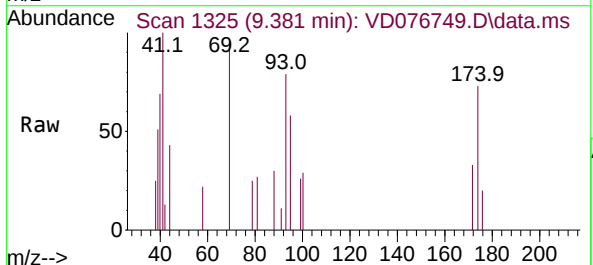
Tgt Ion: 83 Resp: 8250  
Ion Ratio Lower Upper  
83 100  
85 50.4 50.2 75.4  
127 10.3 6.3 9.5

Manual Integrations  
APPROVED

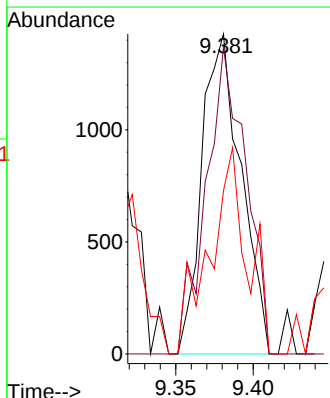
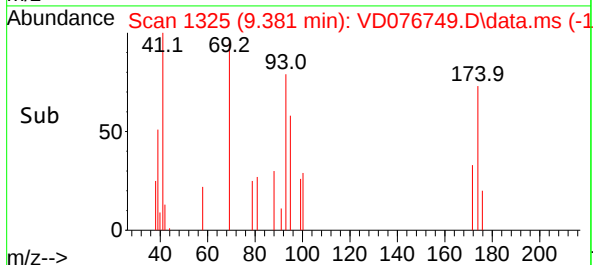
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023

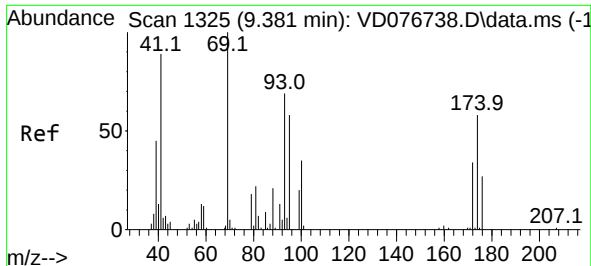


#48  
Methyl methacrylate  
Concen: 2.067 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41



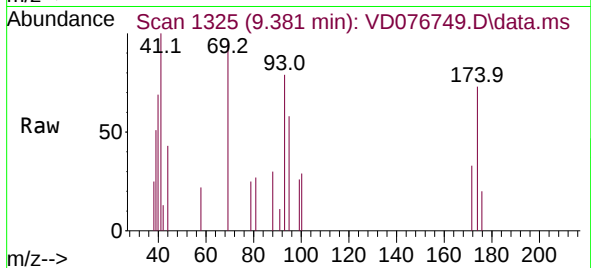
Tgt Ion: 41 Resp: 2502  
Ion Ratio Lower Upper  
41 100  
69 98.1 102.2 153.2#  
39 62.2 41.4 62.2#





#49  
1,4-Dioxane  
Concen: 45.343 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

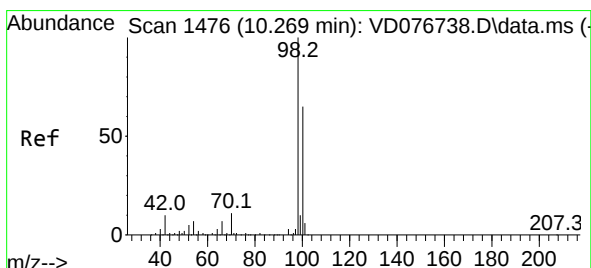
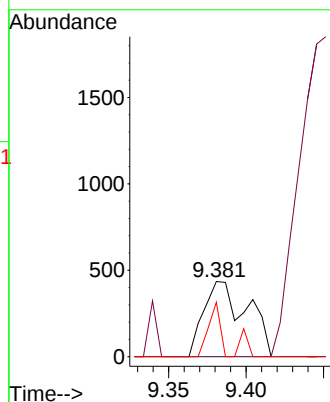
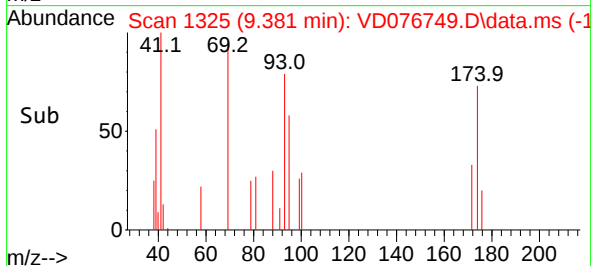
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 88 Resp: 844  
Ion Ratio Lower Upper  
88 100  
43 0.0 19.0 28.6  
58 19.4 43.5 65.3

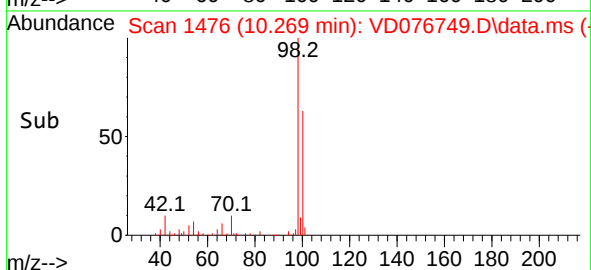
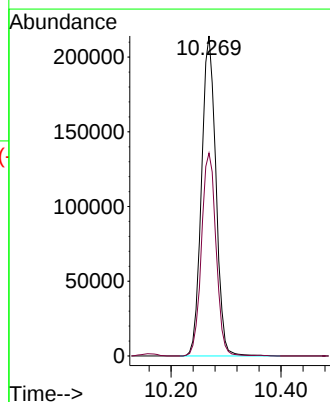
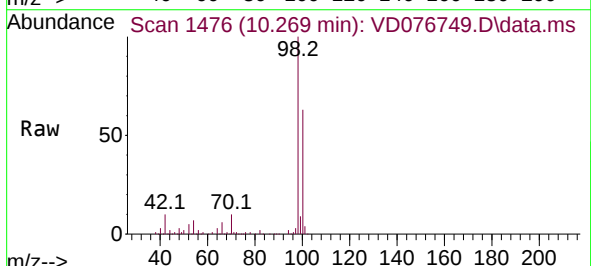
Manual Integrations  
APPROVED

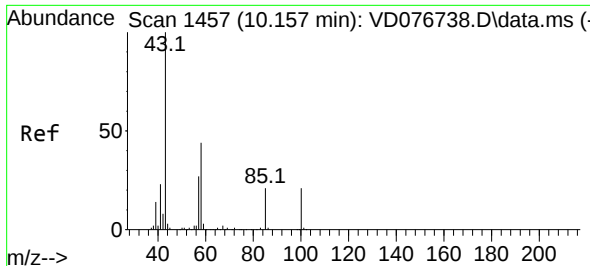
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#50  
Toluene-d8  
Concen: 46.562 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

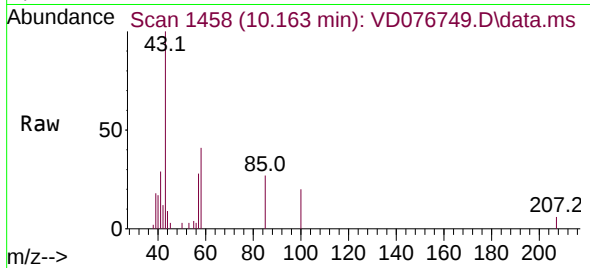
Tgt Ion: 98 Resp: 388444  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.3 75.5





#51  
4-Methyl-2-Pentanone  
Concen: 9.836 ug/l  
RT: 10.163 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

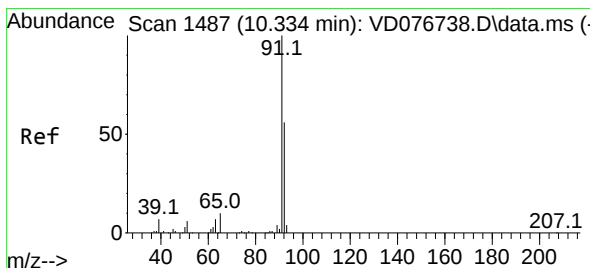
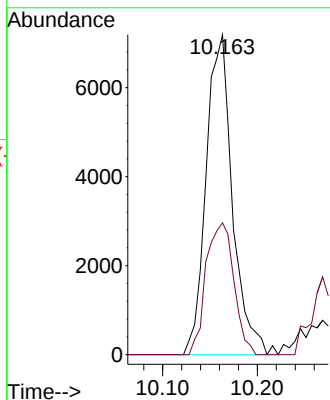
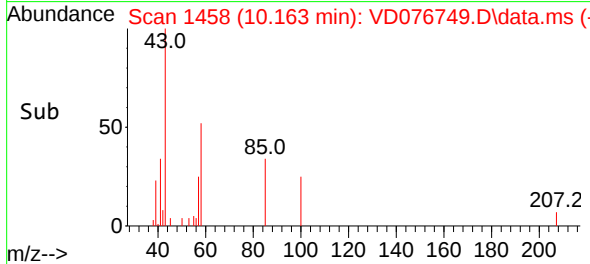
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 13929  
Ion Ratio Lower Upper  
43 100  
58 43.4 38.9 58.3

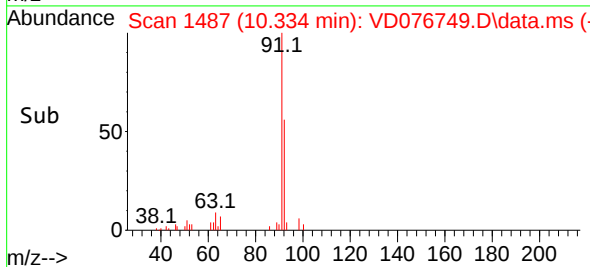
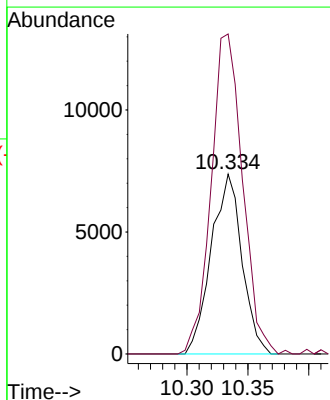
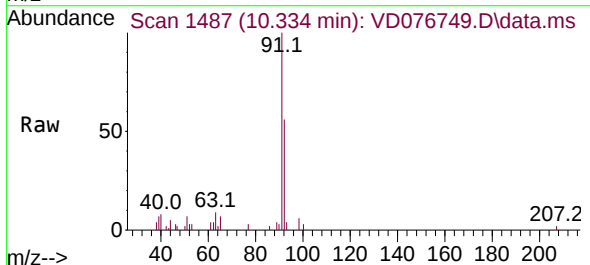
Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#52  
Toluene  
Concen: 2.046 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Tgt Ion: 92 Resp: 12923  
Ion Ratio Lower Upper  
92 100  
91 182.2 143.0 214.4





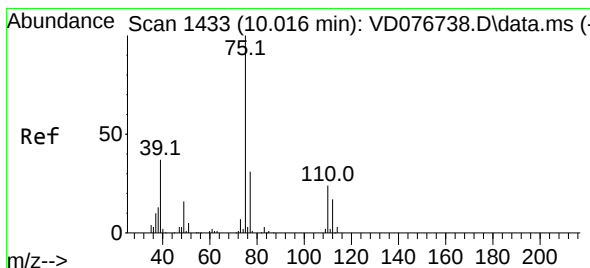
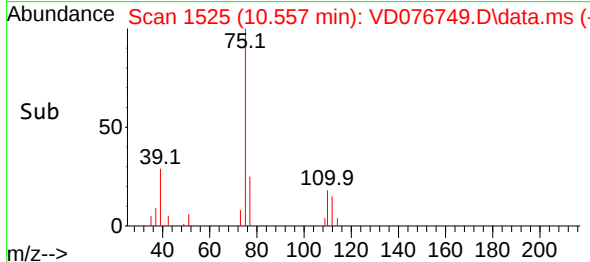
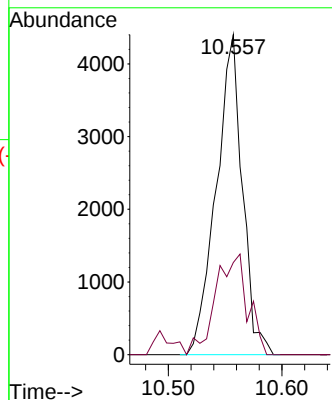
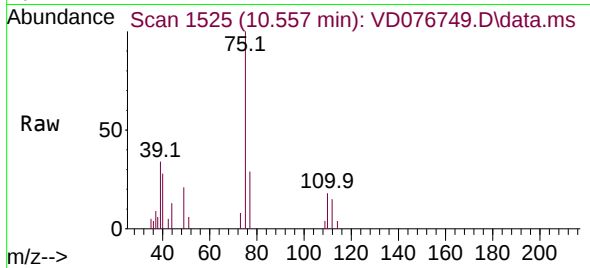
#53  
t-1,3-Dichloropropene  
Concen: 2.082 ug/l  
RT: 10.557 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 75 Resp: 7049  
Ion Ratio Lower Upper  
75 100  
77 28.8 25.3 37.9

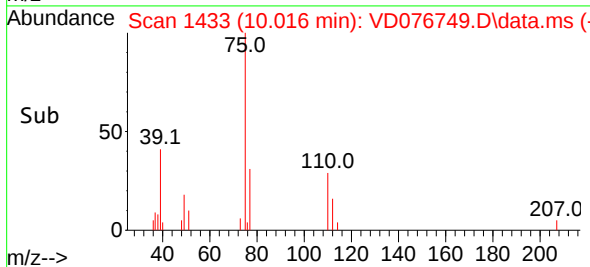
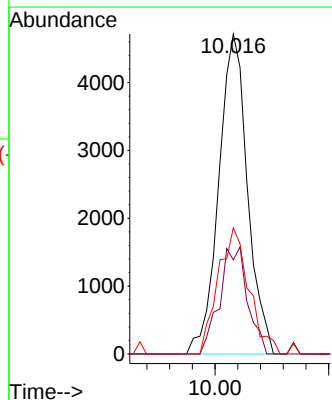
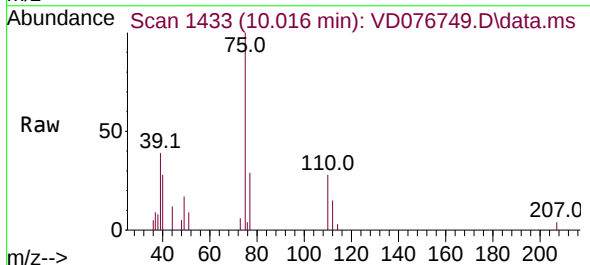
Manual Integrations  
APPROVED

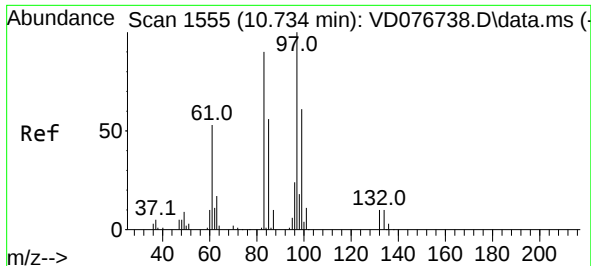
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#54  
cis-1,3-Dichloropropene  
Concen: 2.078 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

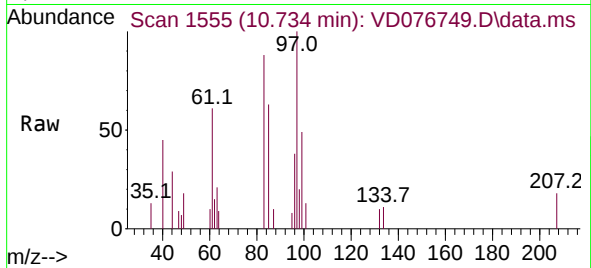
Tgt Ion: 75 Resp: 8289  
Ion Ratio Lower Upper  
75 100  
77 29.4 25.5 38.3  
39 39.4 22.1 33.1#





#55  
1,1,2-Trichloroethane  
Concen: 1.950 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

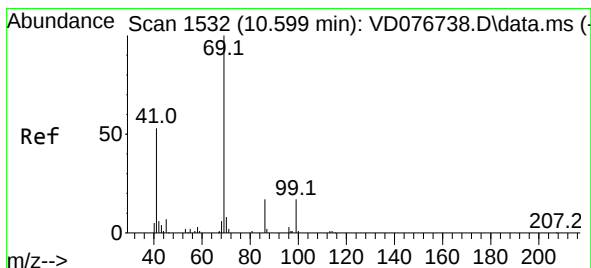
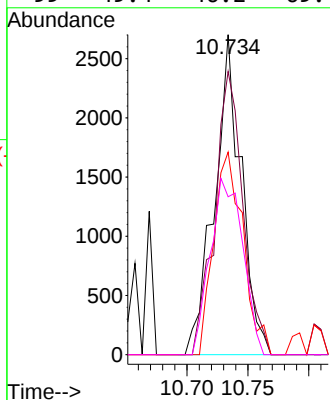
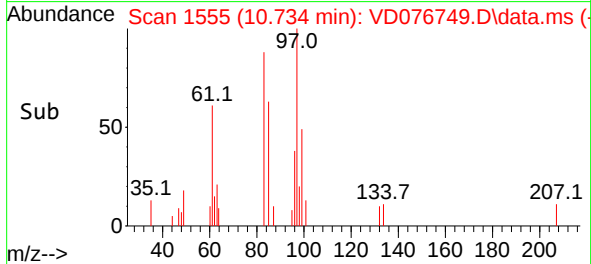
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



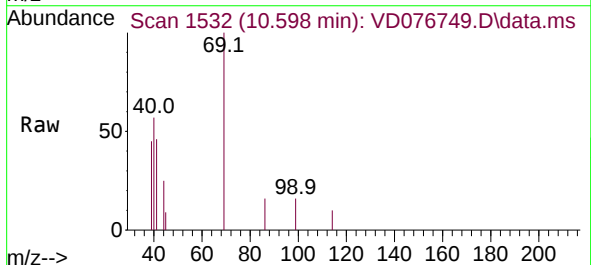
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.5  | 65.8  | 98.6  |
| 85      | 63.3  | 45.7  | 68.5  |
| 99      | 49.4  | 46.2  | 69.4  |

Manual Integrations  
APPROVED

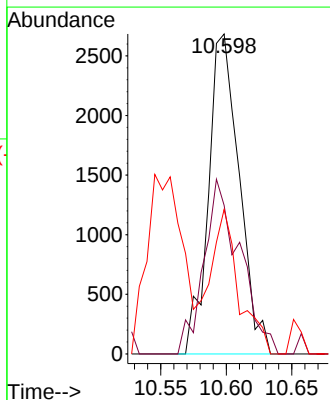
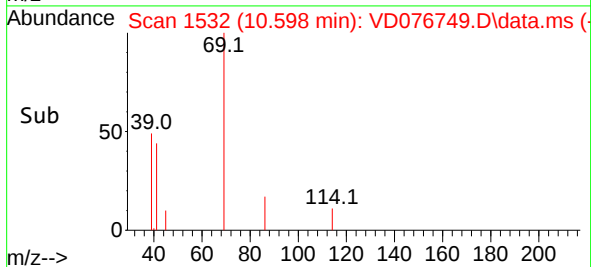
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023

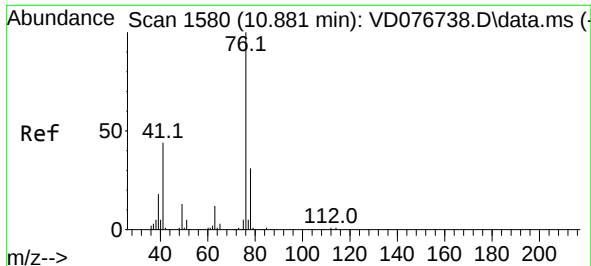


#56  
Ethyl methacrylate  
Concen: 1.790 ug/l  
RT: 10.598 min Scan# 1532  
Delta R.T. -0.001 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 64.1  | 39.1  | 58.7# |
| 39      | 39.2  | 20.0  | 30.0# |





#57

1,3-Dichloropropane

Concen: 2.147 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 76 Resp: 7410

Ion Ratio Lower Upper

76 100

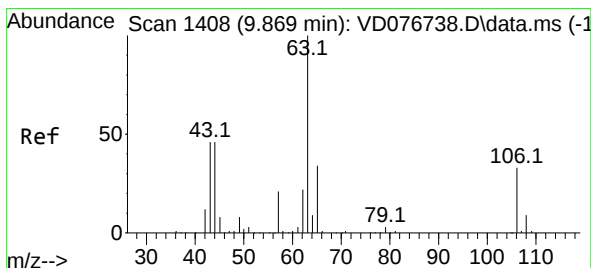
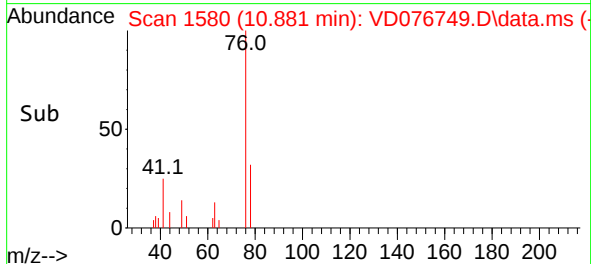
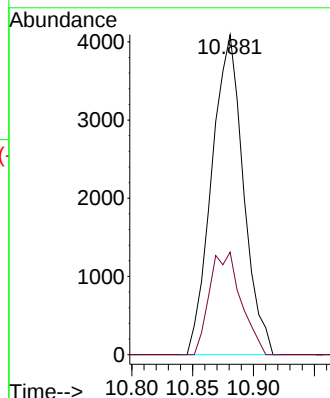
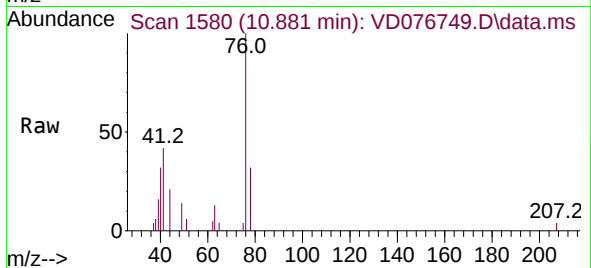
78 31.8 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#58

2-Chloroethyl Vinyl ether

Concen: 8.598 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076749.D

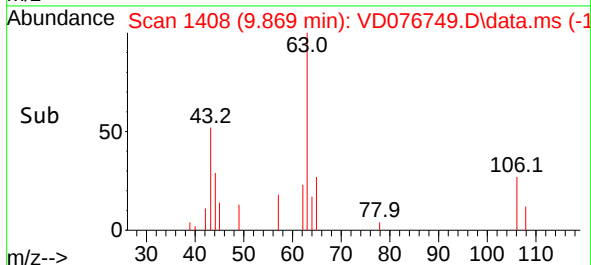
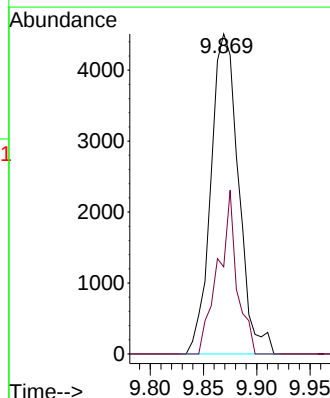
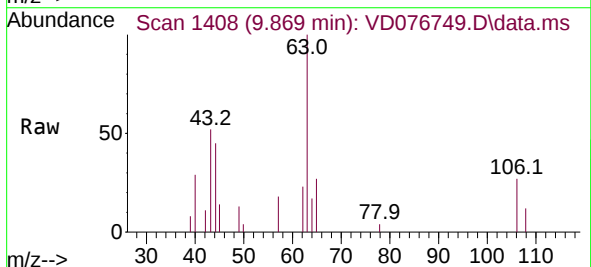
Acq: 17 Jul 2023 12:41

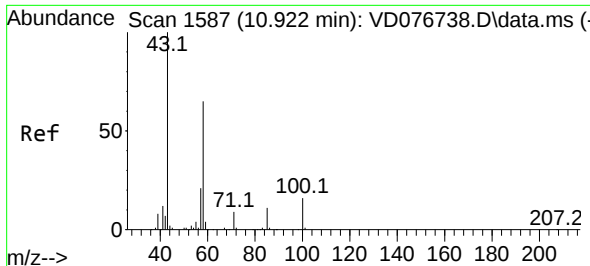
Tgt Ion: 63 Resp: 8149

Ion Ratio Lower Upper

63 100

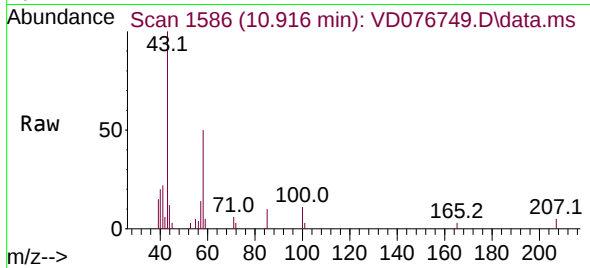
106 34.6 25.3 37.9





#59  
2-Hexanone  
Concen: 9.467 ug/l  
RT: 10.916 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

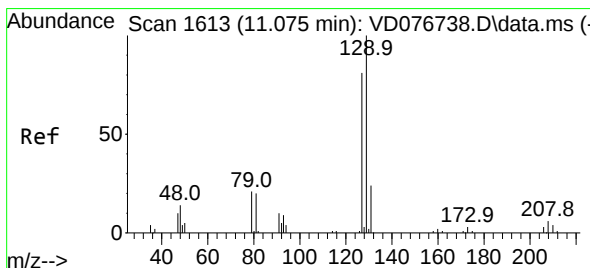
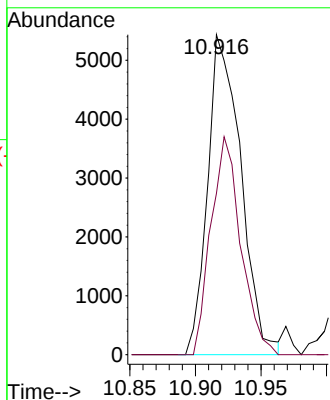
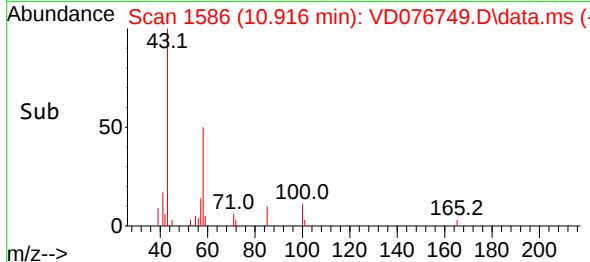
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 956  
Ion Ratio Lower Upper  
43 100  
58 61.2 34.1 102.2

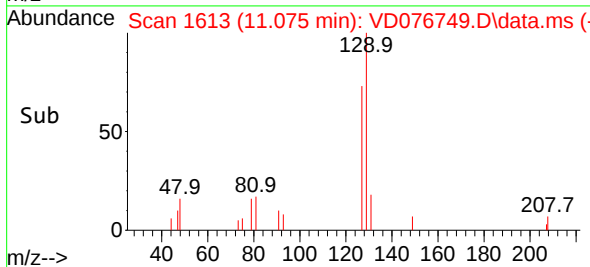
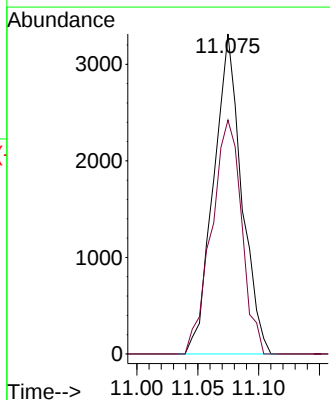
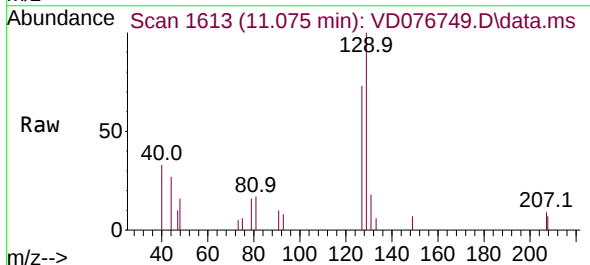
Manual Integrations  
APPROVED

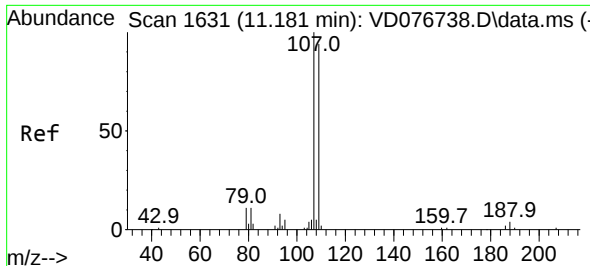
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#60  
Dibromochloromethane  
Concen: 2.161 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

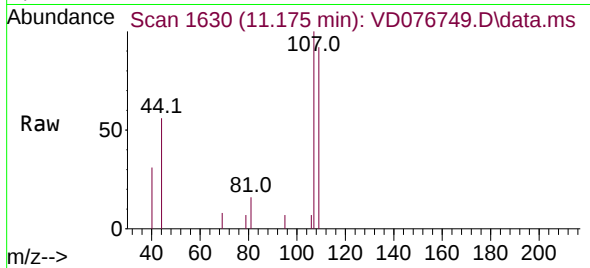
Tgt Ion:129 Resp: 5327  
Ion Ratio Lower Upper  
129 100  
127 78.4 37.1 111.5





#61  
1,2-Dibromoethane  
Concen: 2.069 ug/l  
RT: 11.175 min Scan# 1630  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

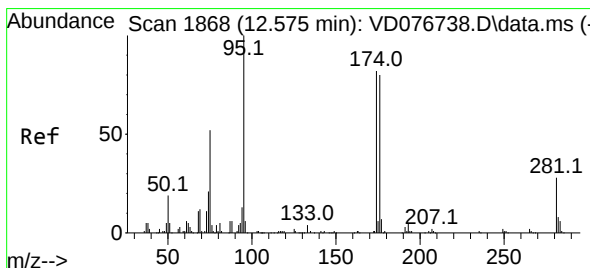
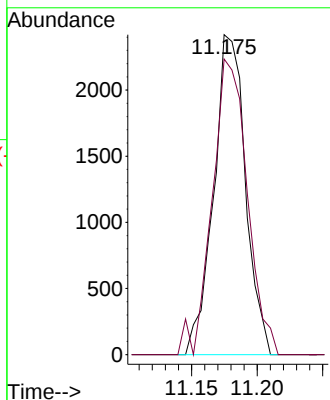
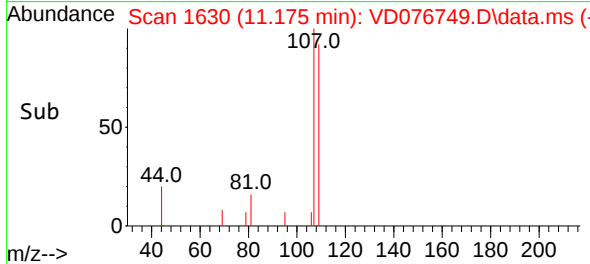
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



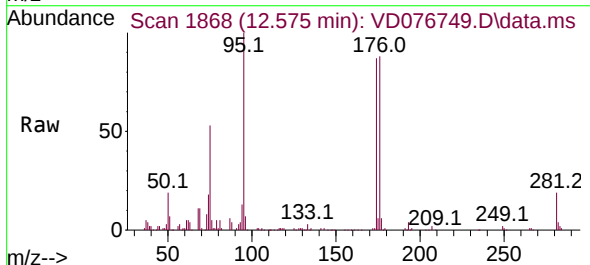
Tgt Ion:107 Resp: 4070  
Ion Ratio Lower Upper  
107 100  
109 101.9 75.6 113.4

Manual Integrations  
APPROVED

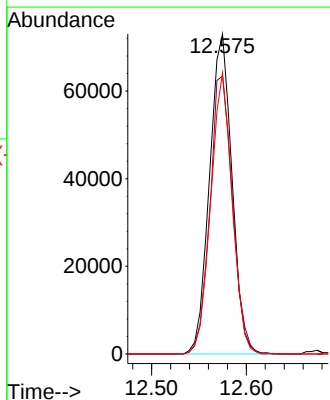
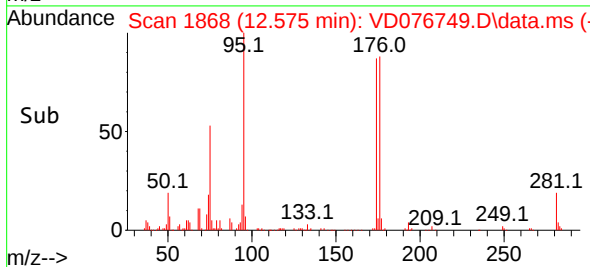
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023

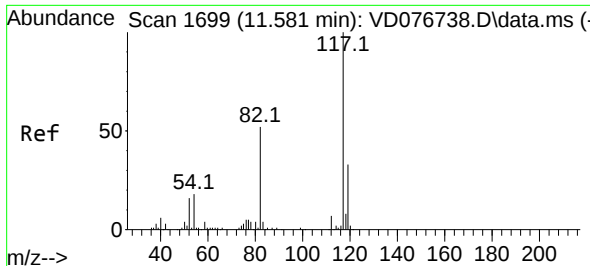


#62  
4-Bromofluorobenzene  
Concen: 44.459 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41



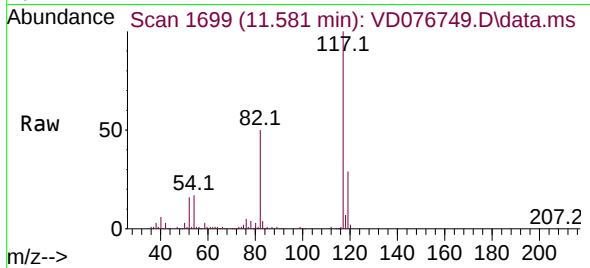
Tgt Ion: 95 Resp: 119986  
Ion Ratio Lower Upper  
95 100  
174 88.0 0.0 201.8  
176 84.0 0.0 191.8





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

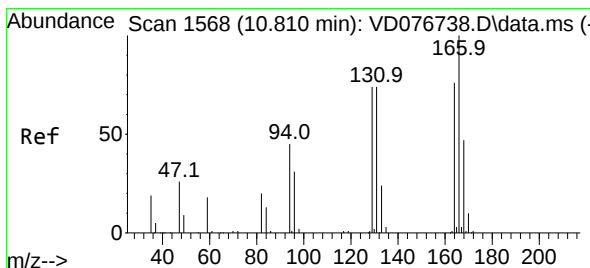
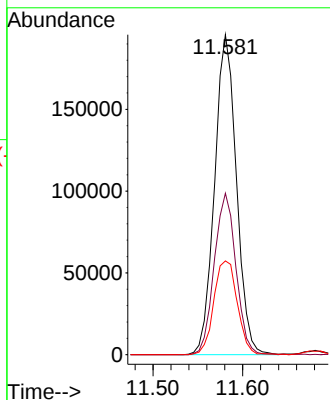
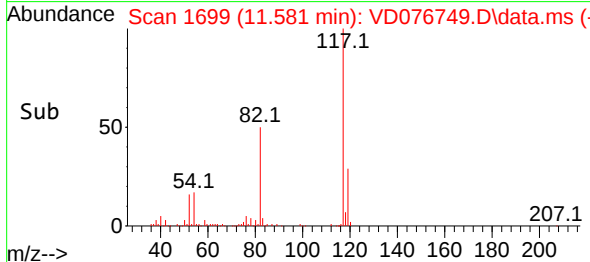
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:117 Resp: 330759  
Ion Ratio Lower Upper  
117 100  
82 50.5 38.3 57.5  
119 29.3 25.0 37.4

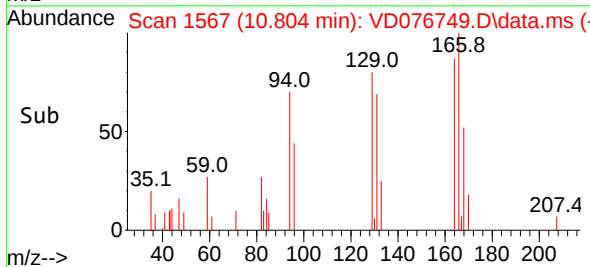
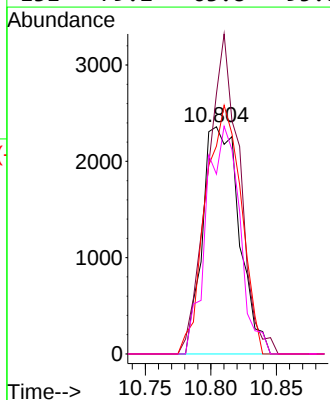
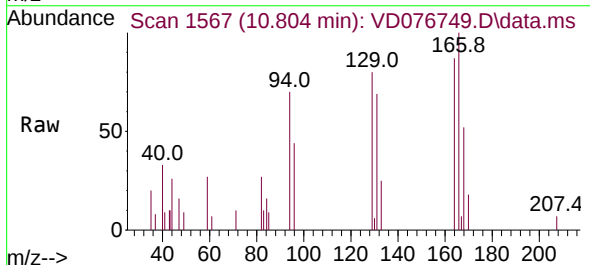
Manual Integrations  
APPROVED

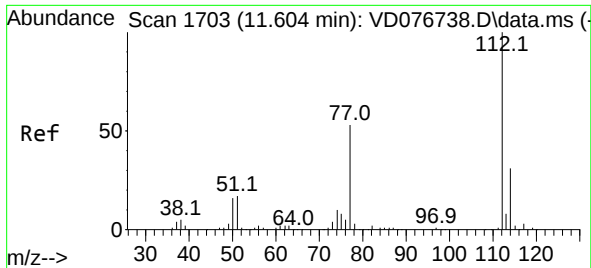
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#64  
Tetrachloroethene  
Concen: 2.441 ug/l  
RT: 10.804 min Scan# 1567  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

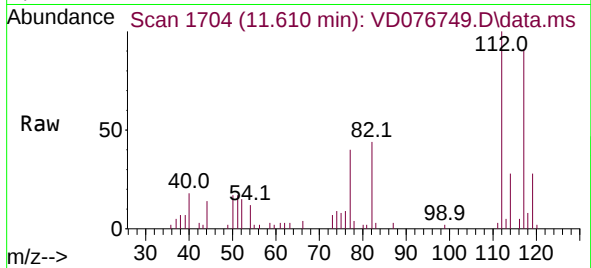
Tgt Ion:164 Resp: 4604  
Ion Ratio Lower Upper  
164 100  
166 114.5 99.2 148.8  
129 91.5 68.4 102.6  
131 79.2 63.8 95.8





#65  
Chlorobenzene  
Concen: 2.454 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

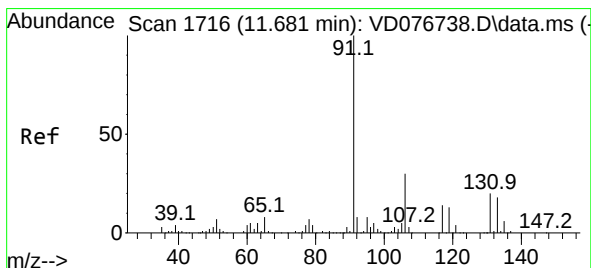
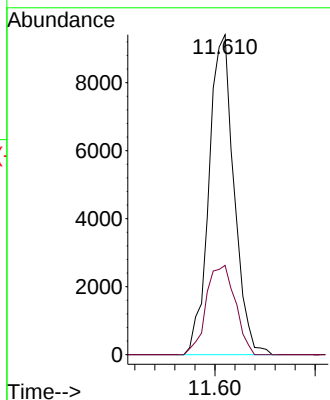
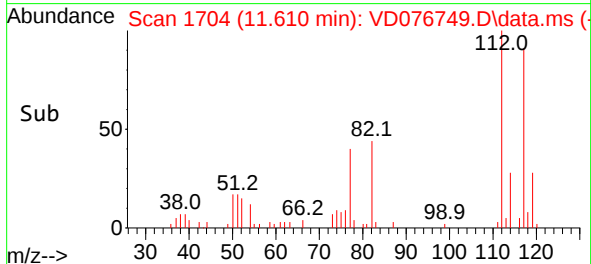
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:112 Resp: 16324  
Ion Ratio Lower Upper  
112 100  
114 27.9 25.1 37.7

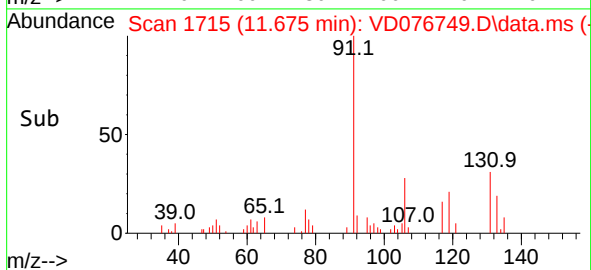
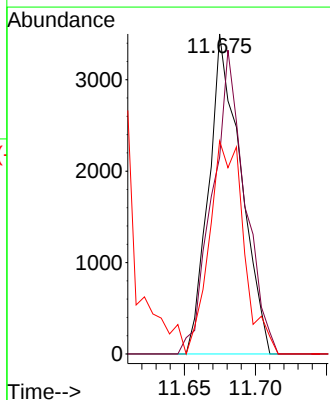
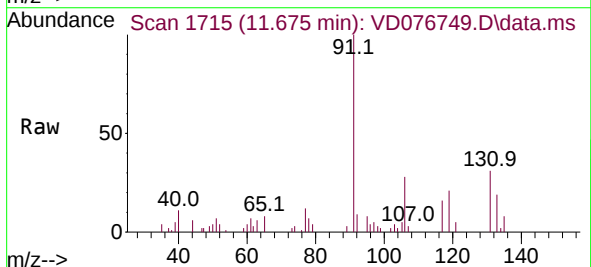
Manual Integrations  
APPROVED

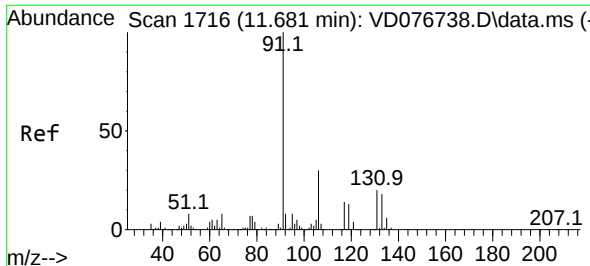
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#66  
1,1,1,2-Tetrachloroethane  
Concen: 2.221 ug/l  
RT: 11.675 min Scan# 1715  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Tgt Ion:131 Resp: 5501  
Ion Ratio Lower Upper  
131 100  
133 96.0 48.5 145.5  
119 71.2 35.6 106.9





#67

Ethyl Benzene

Concen: 2.130 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 91 Resp: 2488

Ion Ratio Lower Upper

91 100

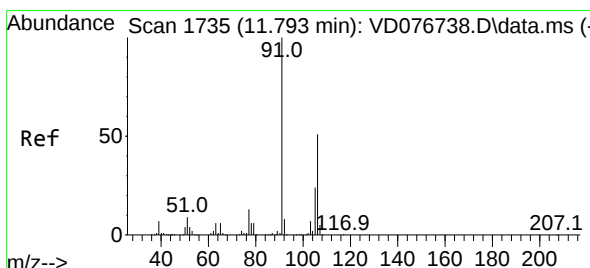
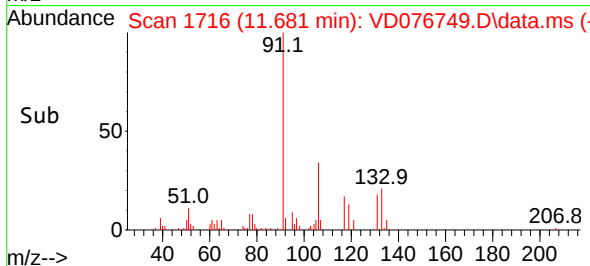
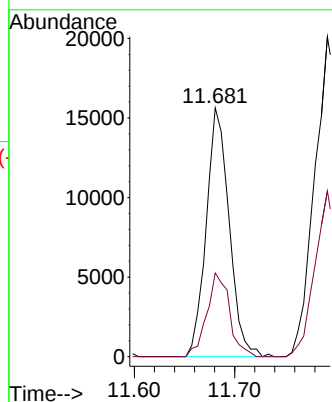
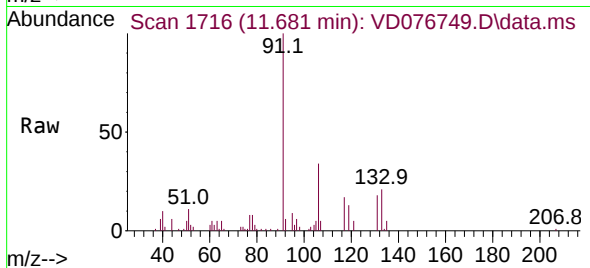
106 33.6 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#68

m/p-Xylenes

Concen: 4.051 ug/l

RT: 11.792 min Scan# 1735

Delta R.T. -0.001 min

Lab File: VD076749.D

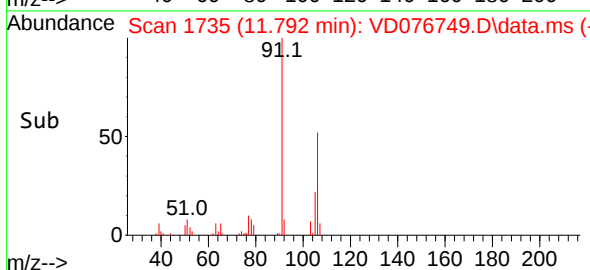
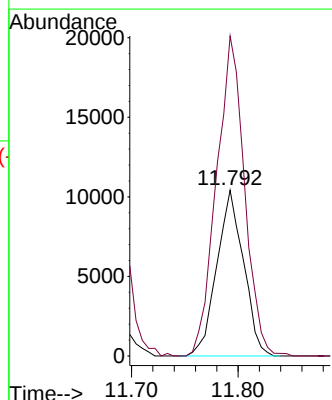
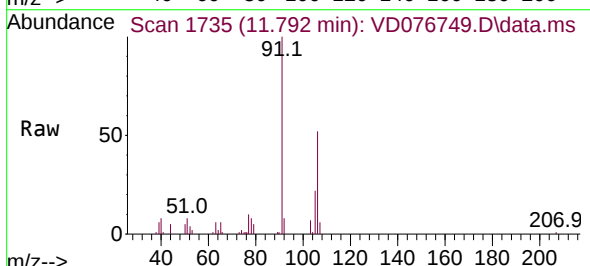
Acq: 17 Jul 2023 12:41

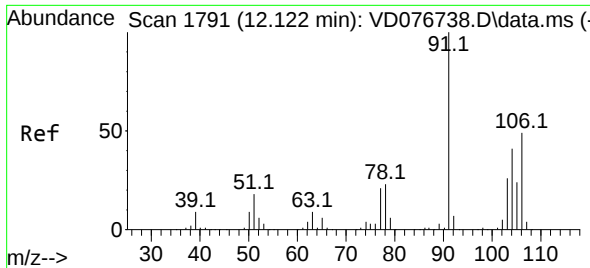
Tgt Ion:106 Resp: 18174

Ion Ratio Lower Upper

106 100

91 202.4 147.0 220.6





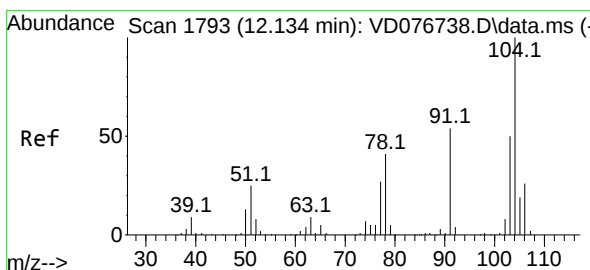
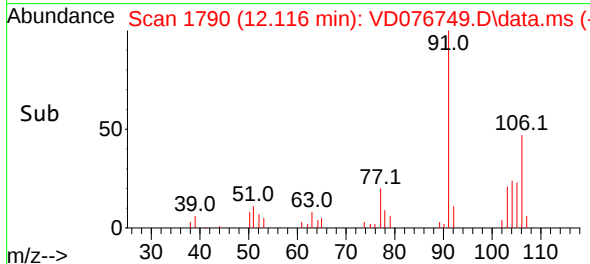
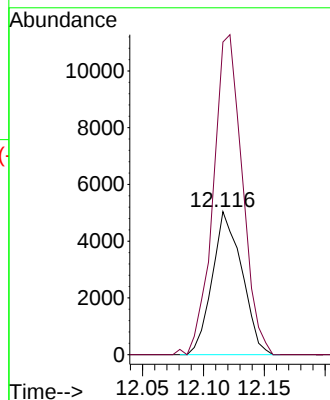
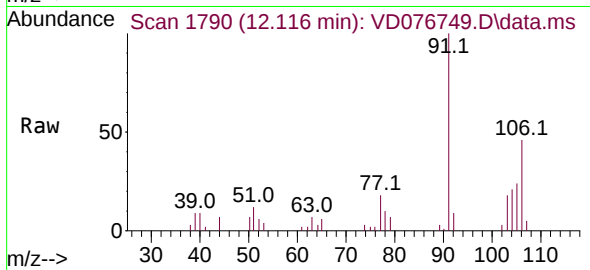
#69  
o-Xylene  
Concen: 1.971 ug/l  
RT: 12.116 min Scan# 1790  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:106 Resp: 8550  
Ion Ratio Lower Upper  
106 100  
91 219.4 97.9 293.6

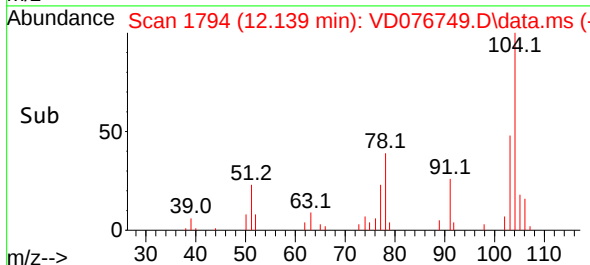
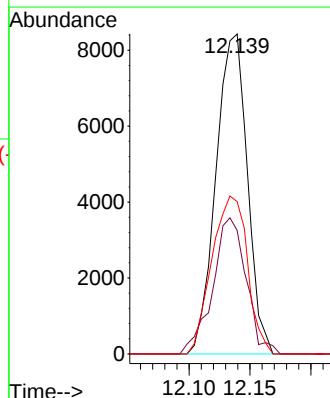
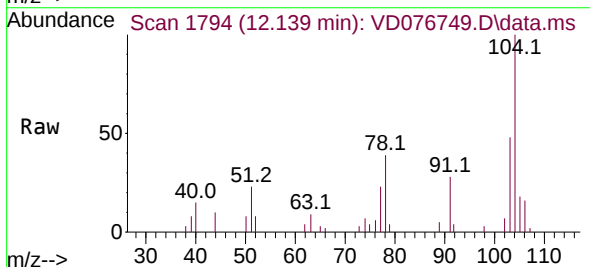
Manual Integrations  
APPROVED

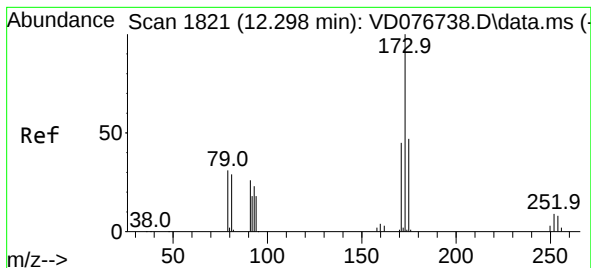
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#70  
Styrene  
Concen: 1.989 ug/l  
RT: 12.139 min Scan# 1794  
Delta R.T. 0.005 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Tgt Ion:104 Resp: 15106  
Ion Ratio Lower Upper  
104 100  
78 45.4 33.2 49.8  
103 55.9 43.6 65.4





#71

Bromoform

Concen: 2.084 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

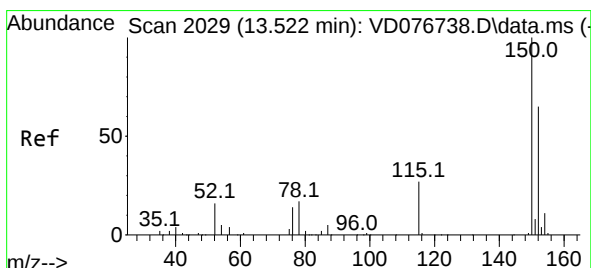
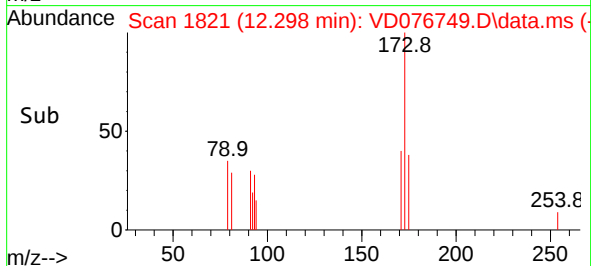
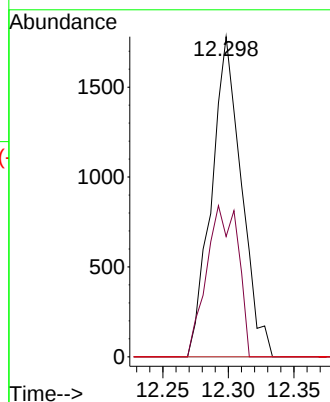
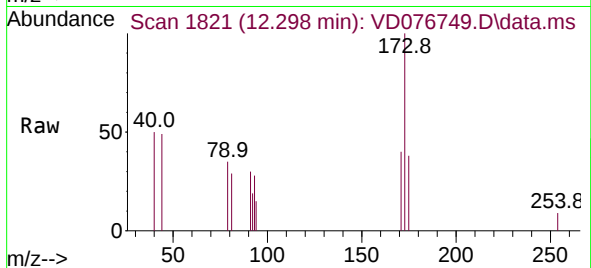
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 282  |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 49.6  | 24.6  | 73.8 |
| 254       | 0.0   | 0.0   | 0.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

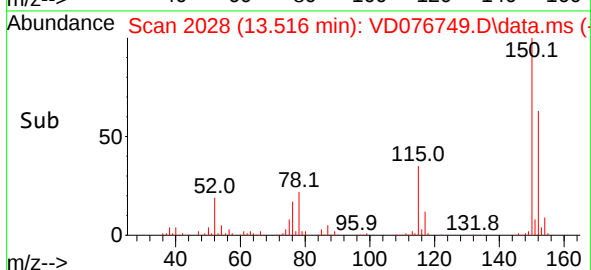
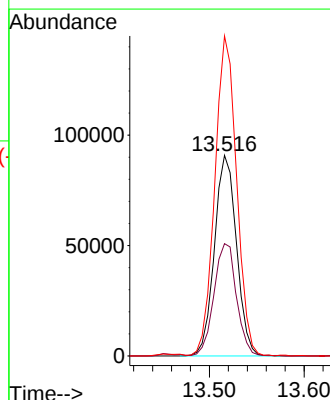
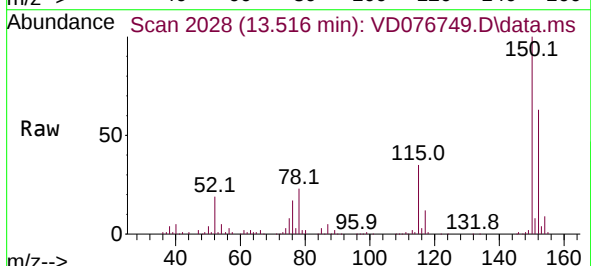
RT: 13.516 min Scan# 2028

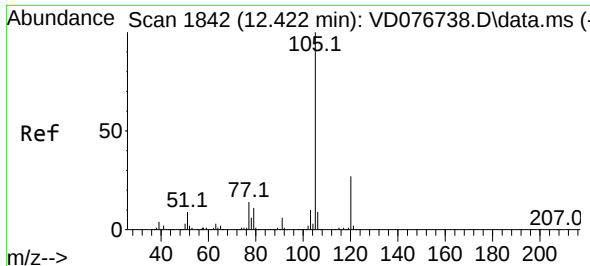
Delta R.T. -0.006 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

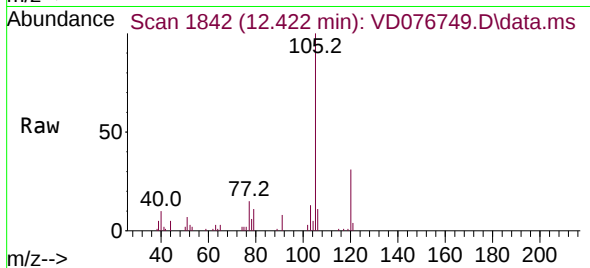
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 146978 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 57.3  | 27.1  | 81.3   |
| 150       | 157.5 | 0.0   | 353.6  |





#73  
Isopropylbenzene  
Concen: 2.211 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

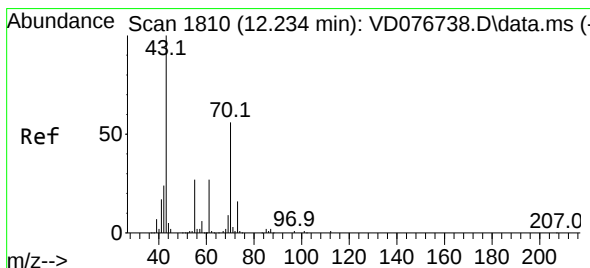
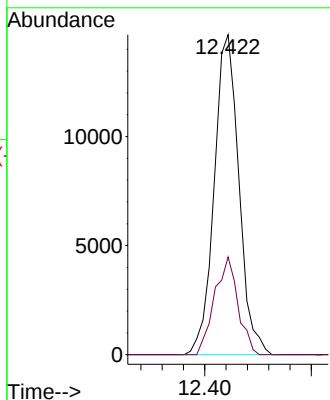
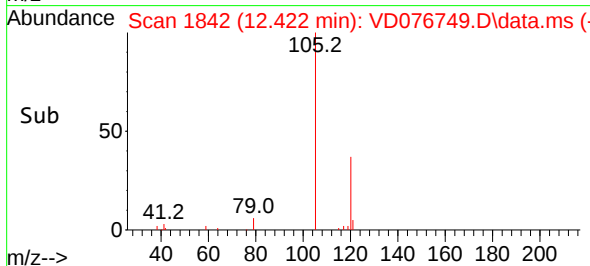
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:105 Resp: 2357  
Ion Ratio Lower Upper  
105 100  
120 29.0 14.3 42.9

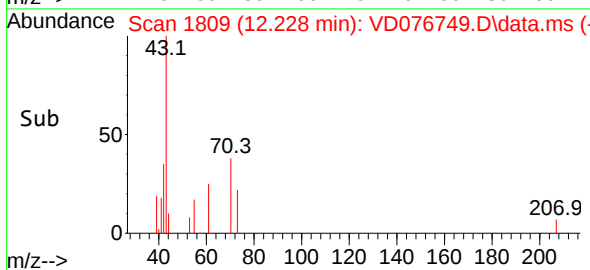
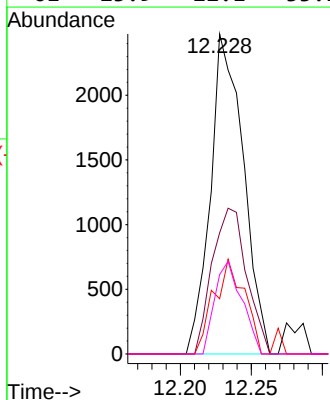
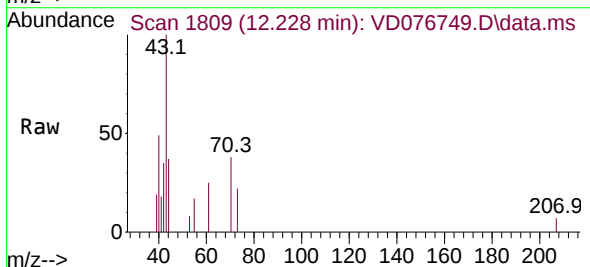
Manual Integrations  
APPROVED

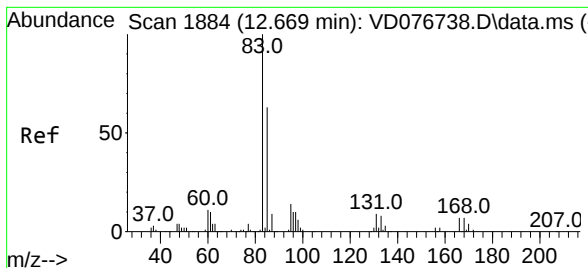
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#74  
N-ethyl acetate  
Concen: 1.776 ug/l  
RT: 12.228 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Tgt Ion: 43 Resp: 3990  
Ion Ratio Lower Upper  
43 100  
70 47.8 45.0 67.4  
55 27.5 23.8 35.6  
61 23.9 22.1 33.1





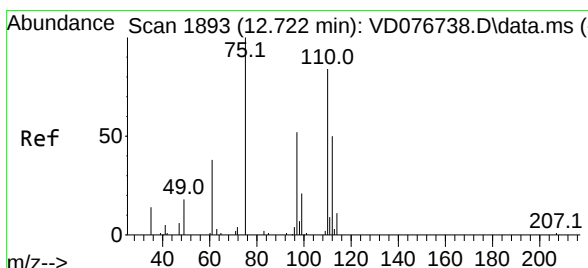
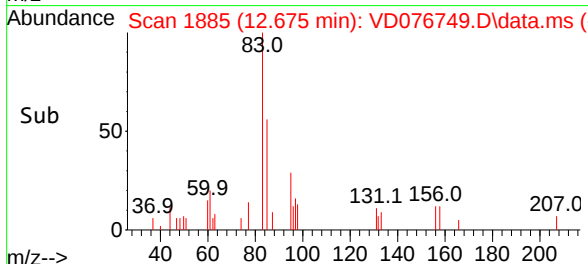
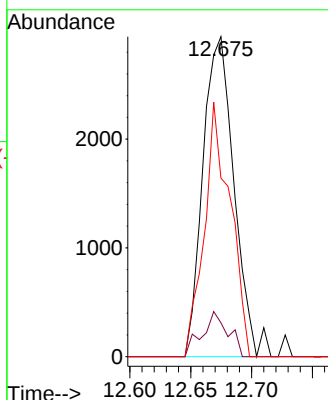
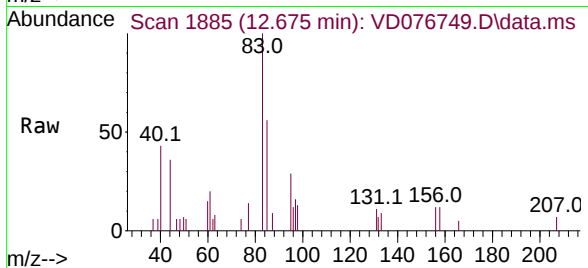
#75  
1,1,2,2-Tetrachloroethane  
Concen: 2.289 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. 0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 83 Resp: 5240  
Ion Ratio Lower Upper  
83 100  
131 11.7 5.1 15.3  
85 65.9 32.6 97.8

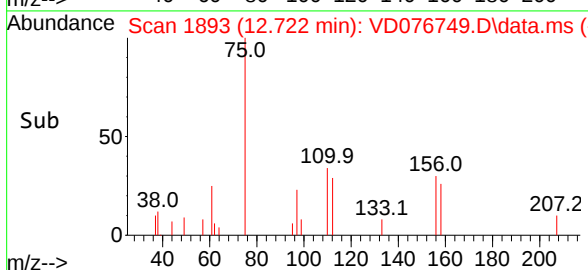
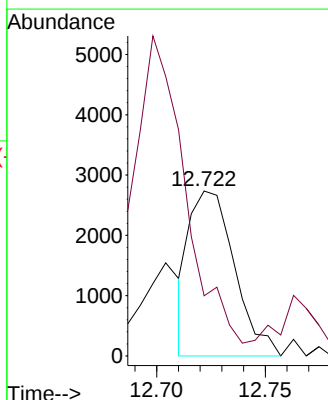
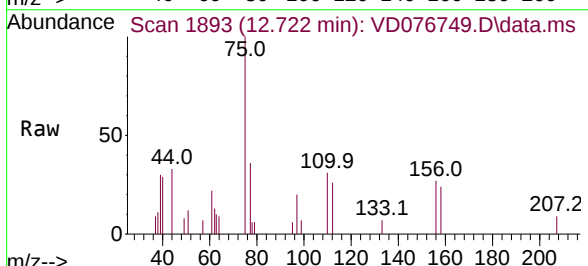
Manual Integrations  
APPROVED

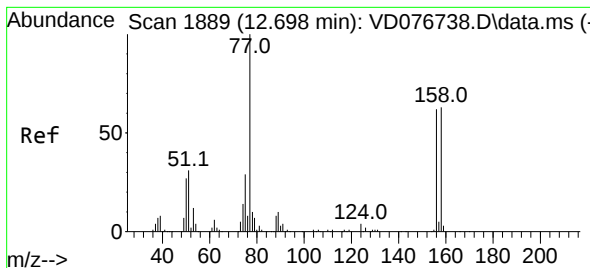
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#76  
1,2,3-Trichloropropane  
Concen: 2.842 ug/l m  
RT: 12.722 min Scan# 1893  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Tgt Ion: 75 Resp: 3972  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.286 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

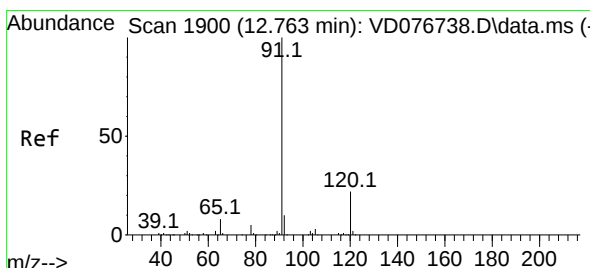
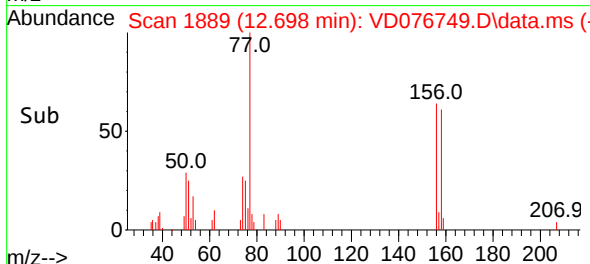
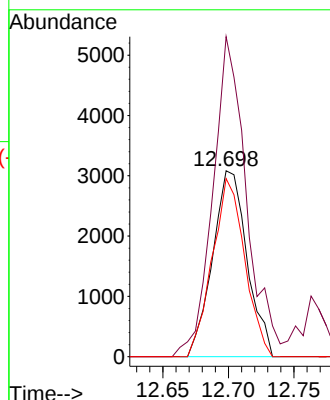
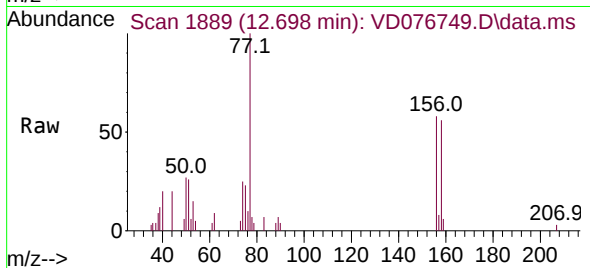
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 5620  |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 167.6 | 76.8  | 230.4 |
| 158       | 90.2  | 48.6  | 145.9 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#78

n-propylbenzene

Concen: 2.259 ug/l

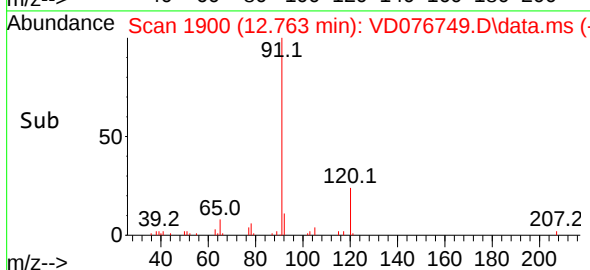
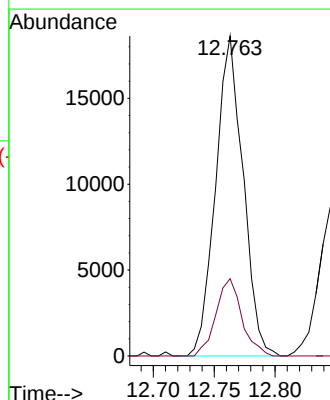
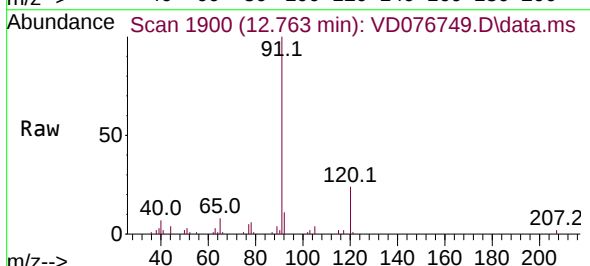
RT: 12.763 min Scan# 1900

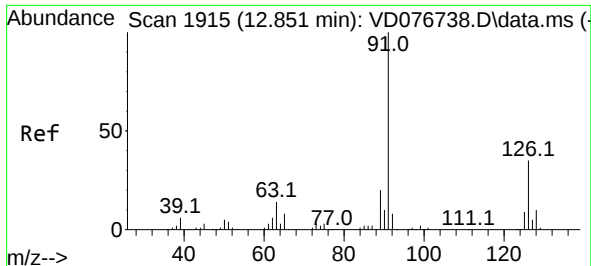
Delta R.T. -0.000 min

Lab File: VD076749.D

Acq: 17 Jul 2023 12:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 29200 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 120       | 22.8  | 12.4  | 37.2  |





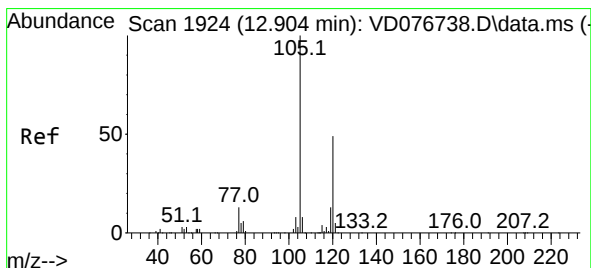
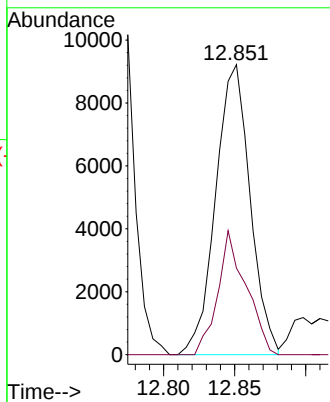
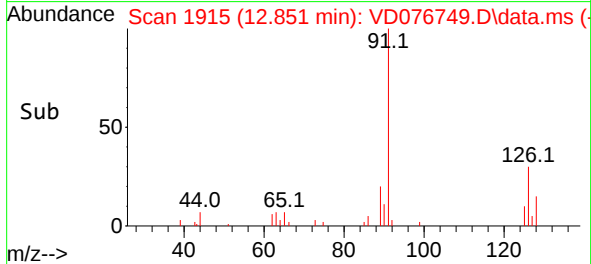
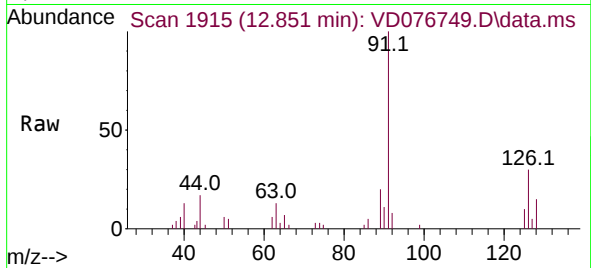
#79  
2-Chlorotoluene  
Concen: 2.198 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 91 Resp: 1557  
Ion Ratio Lower Upper  
91 100  
126 35.1 19.4 58.1

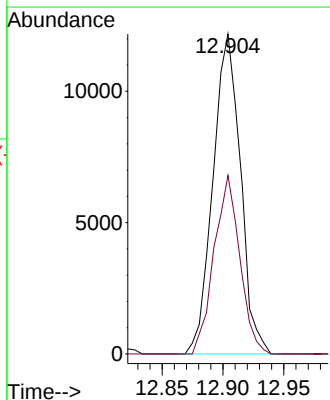
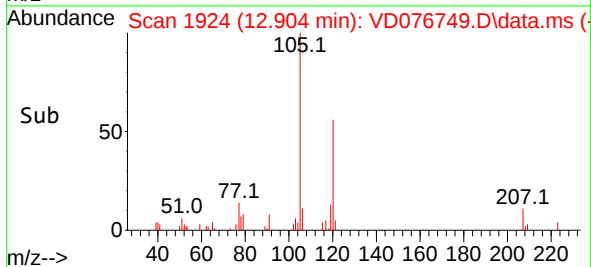
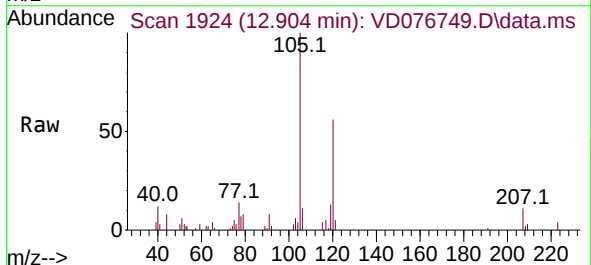
Manual Integrations  
APPROVED

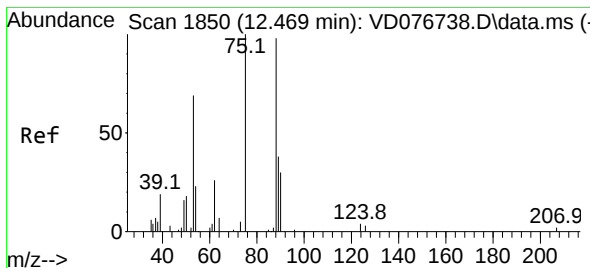
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#80  
1,3,5-Trimethylbenzene  
Concen: 2.216 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

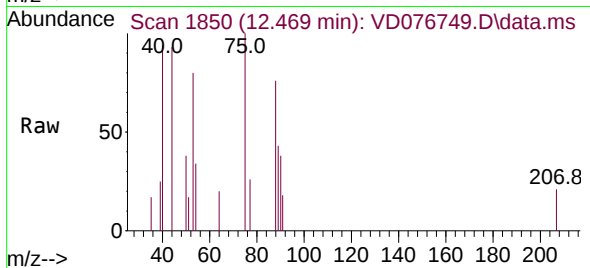
Tgt Ion:105 Resp: 19111  
Ion Ratio Lower Upper  
105 100  
120 52.4 26.4 79.2





#81  
trans-1,4-Dichloro-2-butene  
Concen: 2.031 ug/l m  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

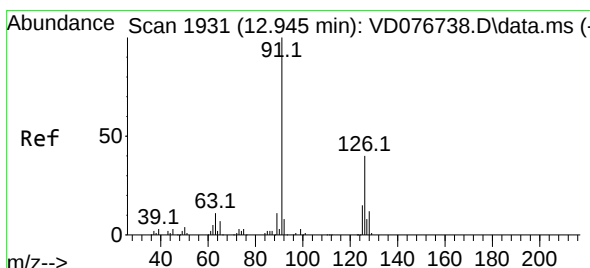
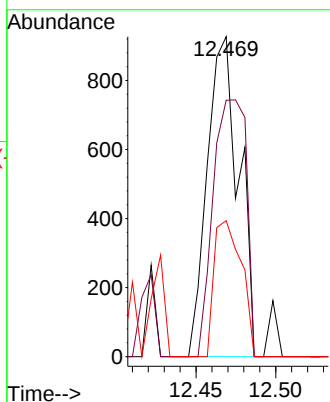
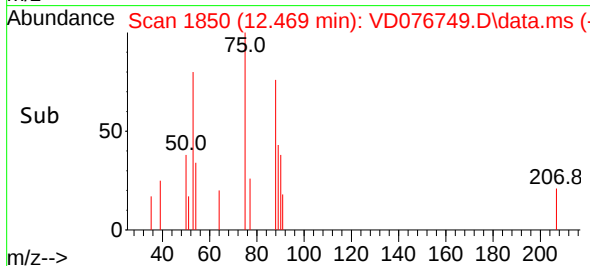
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 75 Resp: 1334  
Ion Ratio Lower Upper  
75 100  
53 14.5 63.0 94.4  
89 16.2 37.9 56.9

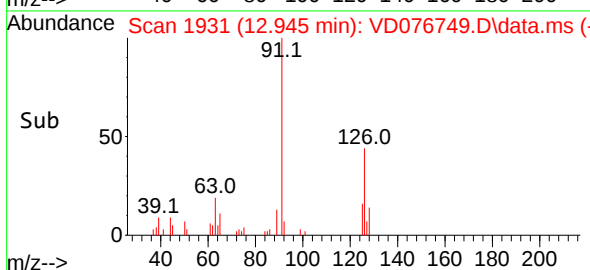
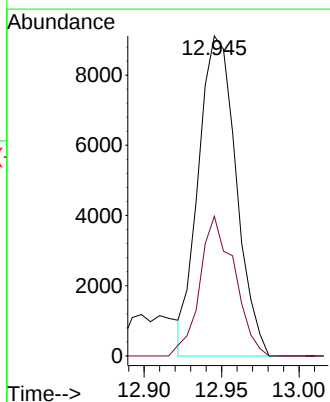
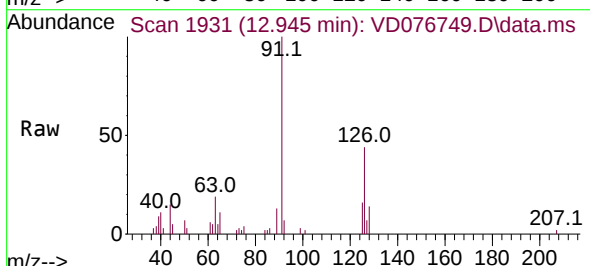
Manual Integrations  
APPROVED

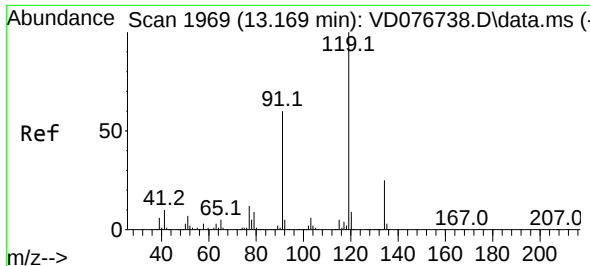
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#82  
4-Chlorotoluene  
Concen: 2.080 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

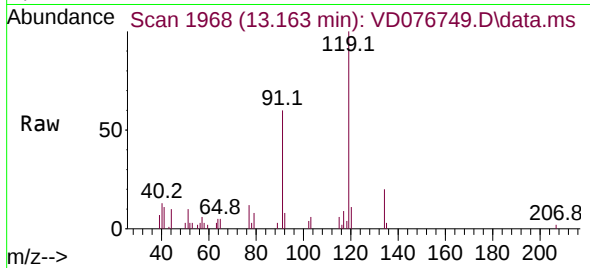
Tgt Ion: 91 Resp: 15406  
Ion Ratio Lower Upper  
91 100  
126 40.1 19.4 58.4





#83  
tert-Butylbenzene  
Concen: 2.062 ug/l  
RT: 13.163 min Scan# 1969  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

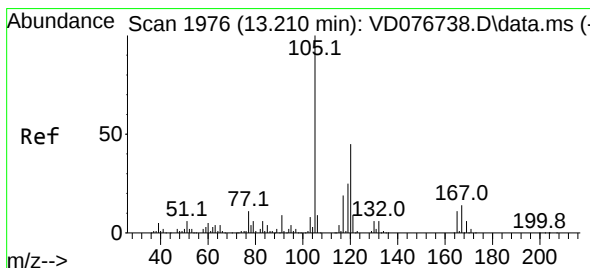
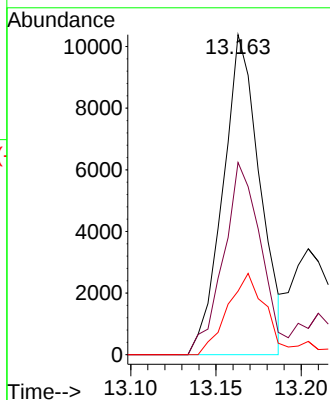
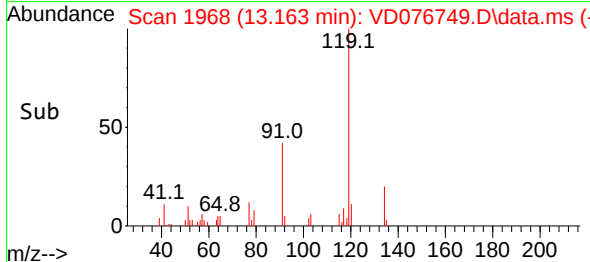
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



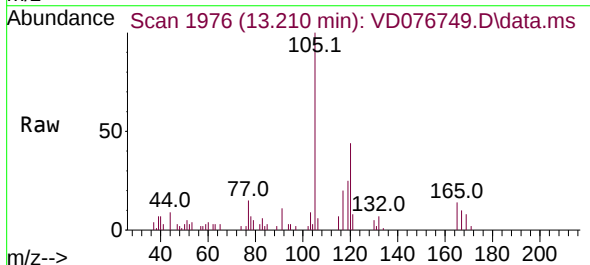
Tgt Ion:119 Resp: 1565  
Ion Ratio Lower Upper  
119 100  
91 61.3 29.3 87.8  
134 25.9 14.1 42.3

Manual Integrations  
APPROVED

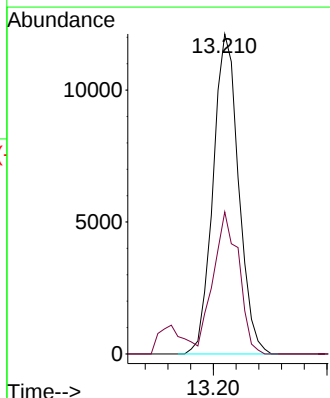
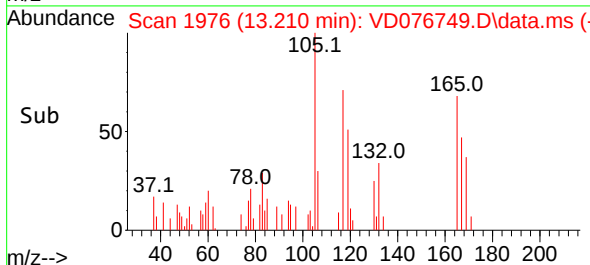
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023

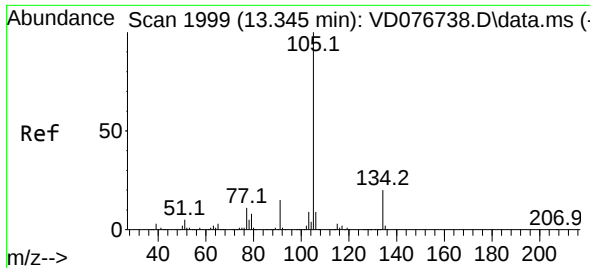


#84  
1,2,4-Trimethylbenzene  
Concen: 2.147 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41



Tgt Ion:105 Resp: 18915  
Ion Ratio Lower Upper  
105 100  
120 44.3 24.3 72.9





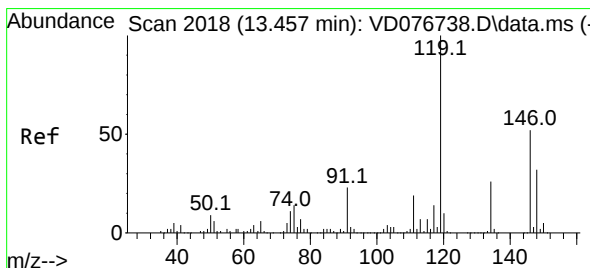
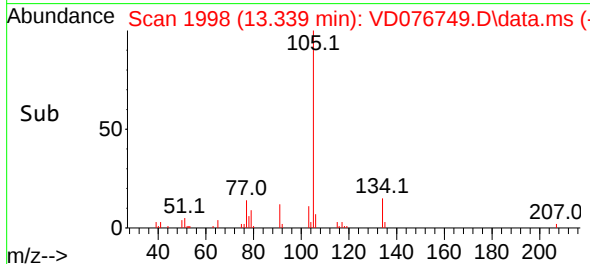
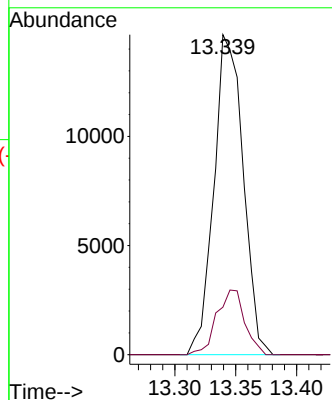
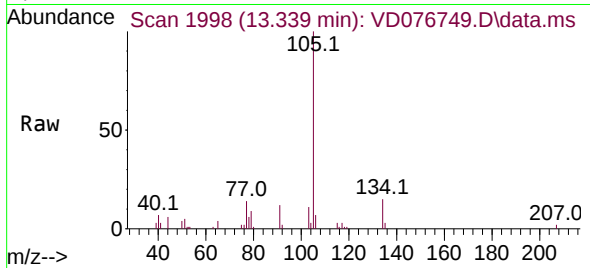
#85  
 sec-Butylbenzene  
 Concen: 2.108 ug/l  
 RT: 13.339 min Scan# 1998  
 Delta R.T. -0.006 min  
 Lab File: VD076749.D  
 Acq: 17 Jul 2023 12:41

Instrument : MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:105 Resp: 2444  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 10.9 32.9

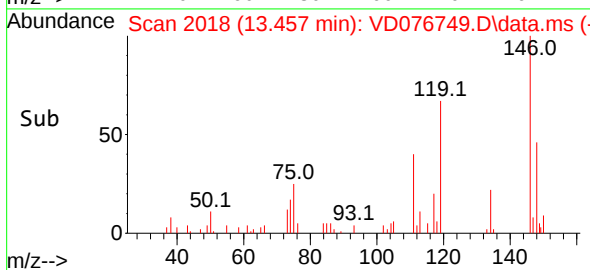
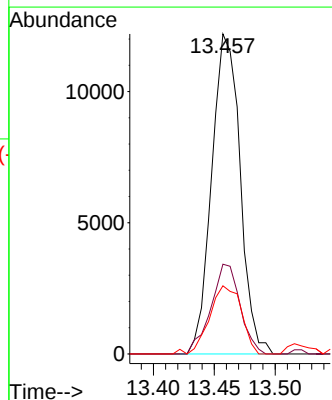
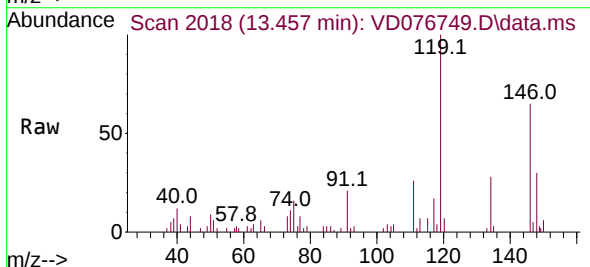
Manual Integrations  
 APPROVED

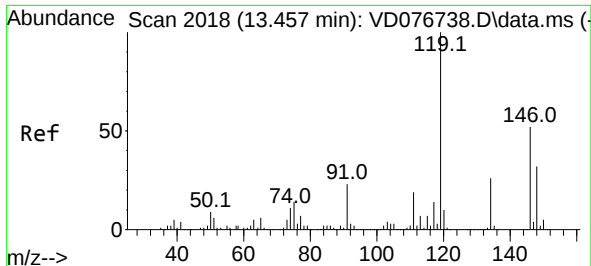
Reviewed By :John Carlone 07/18/2023  
 Supervised By :Mahesh Dadoda 07/18/2023



#86  
 p-Isopropyltoluene  
 Concen: 2.067 ug/l  
 RT: 13.457 min Scan# 2018  
 Delta R.T. 0.000 min  
 Lab File: VD076749.D  
 Acq: 17 Jul 2023 12:41

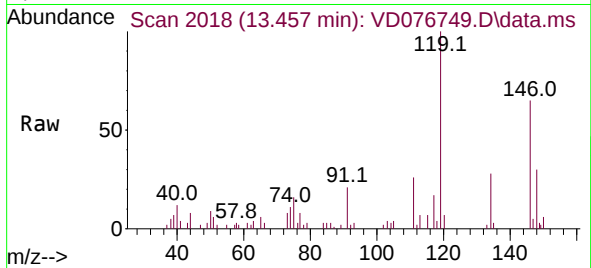
Tgt Ion:119 Resp: 19796  
 Ion Ratio Lower Upper  
 119 100  
 134 28.8 14.2 42.6  
 91 23.8 10.5 31.5





#87  
1,3-Dichlorobenzene  
Concen: 2.394 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

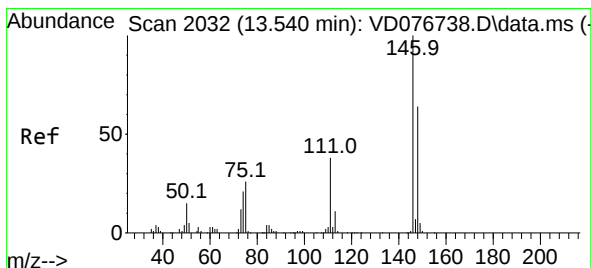
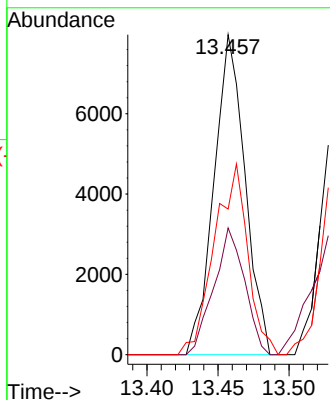
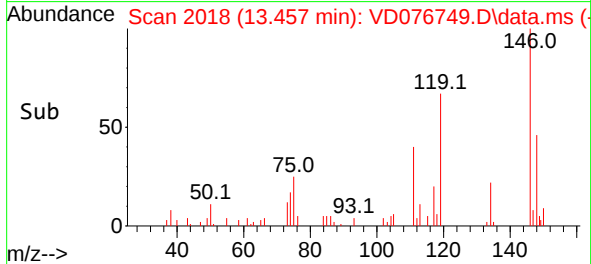
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



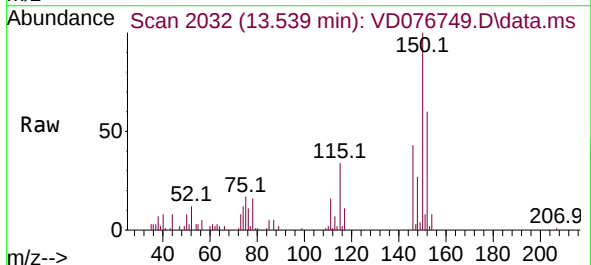
Tgt Ion:146 Resp: 12118  
Ion Ratio Lower Upper  
146 100  
111 39.3 17.9 53.8  
148 64.2 32.3 96.8

Manual Integrations  
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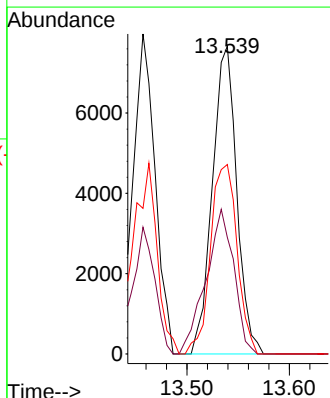
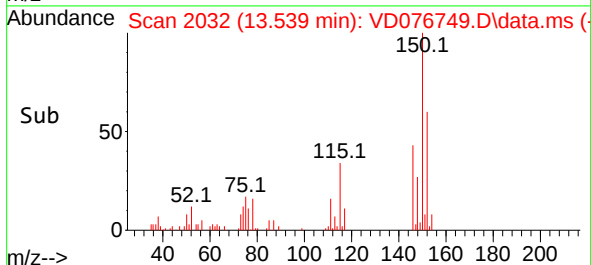
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023

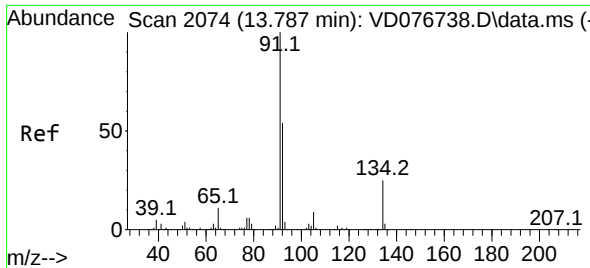


#88  
1,4-Dichlorobenzene  
Concen: 2.559 ug/l m  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.001 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41



Tgt Ion:146 Resp: 12691  
Ion Ratio Lower Upper  
146 100  
111 37.5 17.4 52.3  
148 61.3 31.7 95.1





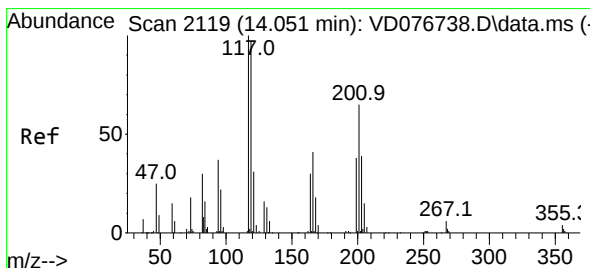
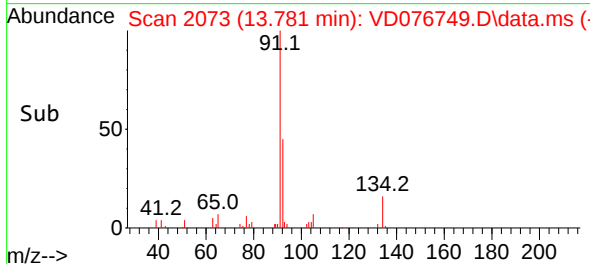
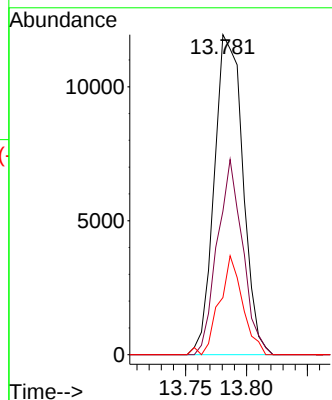
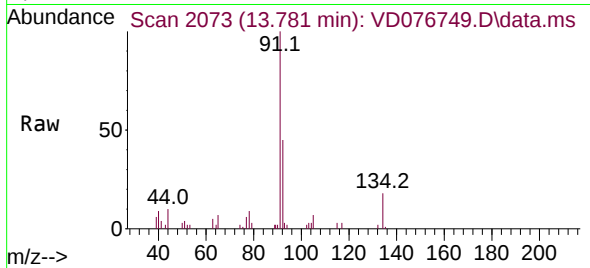
#89  
n-Butylbenzene  
Concen: 2.078 ug/l  
RT: 13.781 min Scan# 2074  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 91 Resp: 19479  
Ion Ratio Lower Upper  
91 100  
92 54.5 26.5 79.5  
134 25.3 13.8 41.3

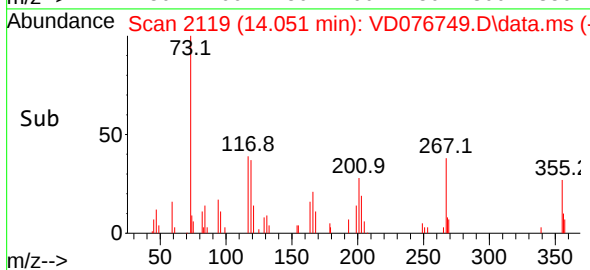
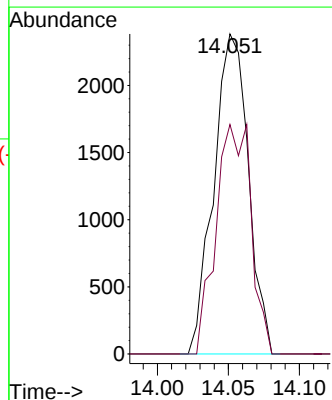
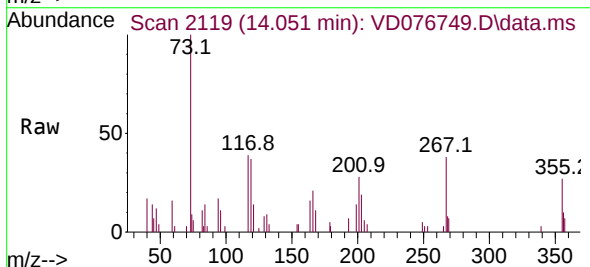
Manual Integrations  
APPROVED

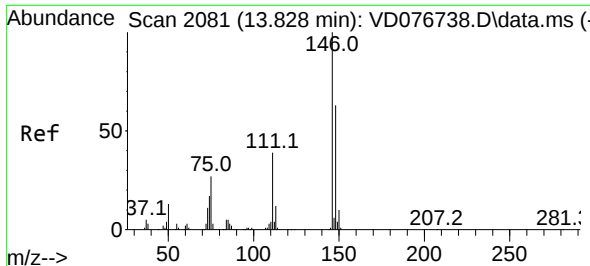
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#90  
Hexachloroethane  
Concen: 2.282 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

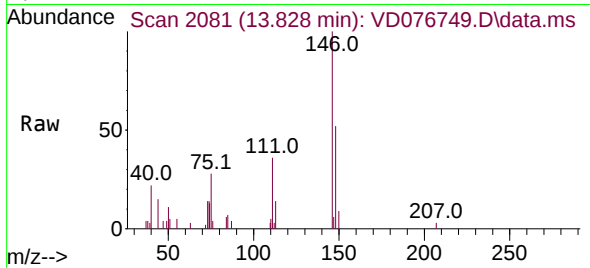
Tgt Ion:117 Resp: 4042  
Ion Ratio Lower Upper  
117 100  
201 72.8 38.5 115.5





#91  
1,2-Dichlorobenzene  
Concen: 2.436 ug/l  
RT: 13.828 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

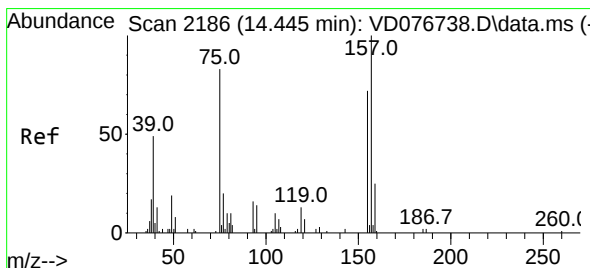
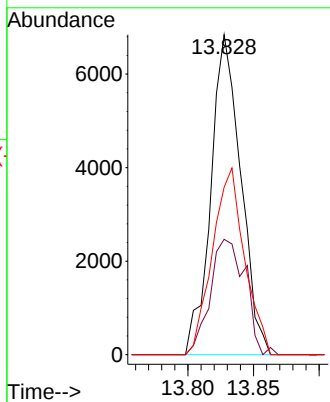
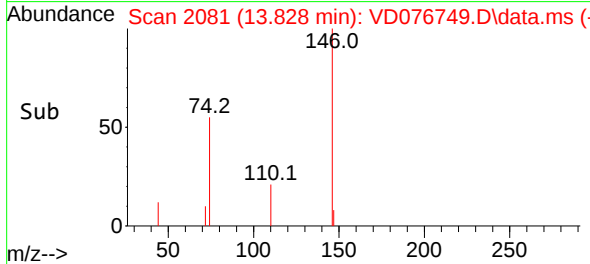
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



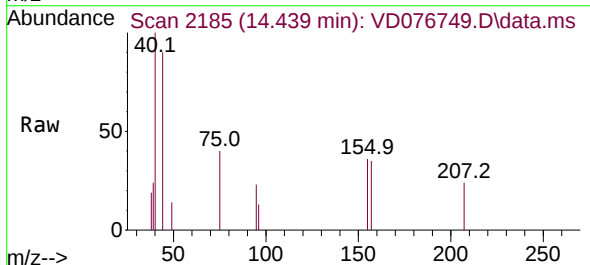
Tgt Ion:146 Resp: 1086  
Ion Ratio Lower Upper  
146 100  
111 42.3 18.3 54.8  
148 62.6 31.6 94.7

Manual Integrations  
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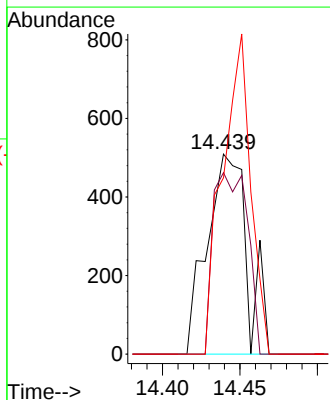
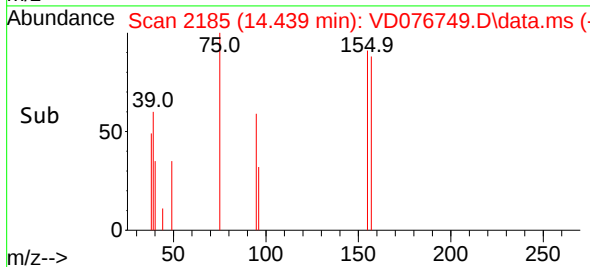
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023

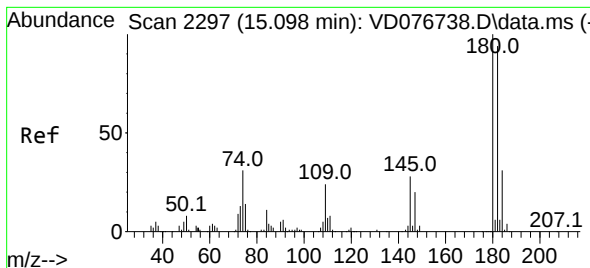


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 2.803 ug/l  
RT: 14.439 min Scan# 2185  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41



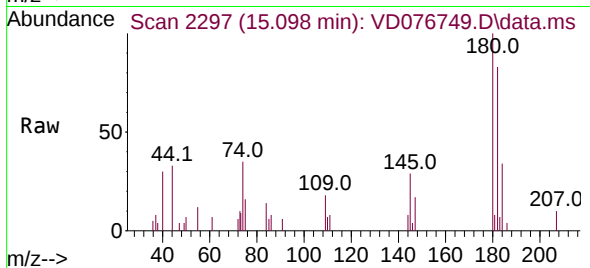
Tgt Ion: 75 Resp: 915  
Ion Ratio Lower Upper  
75 100  
155 78.1 47.9 143.8  
157 112.6 59.9 179.7





#93  
1,2,4-Trichlorobenzene  
Concen: 2.598 ug/l  
RT: 15.098 min Scan# 2297  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

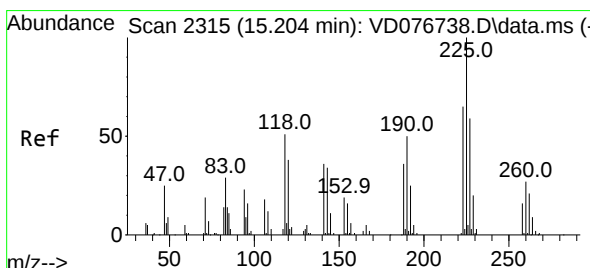
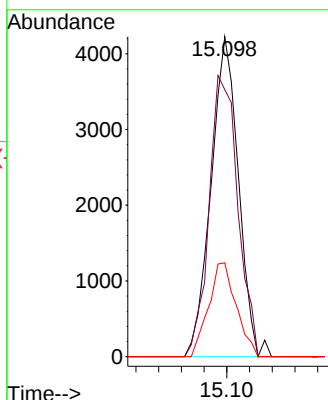
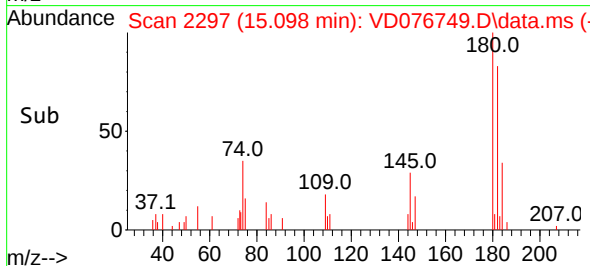
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023



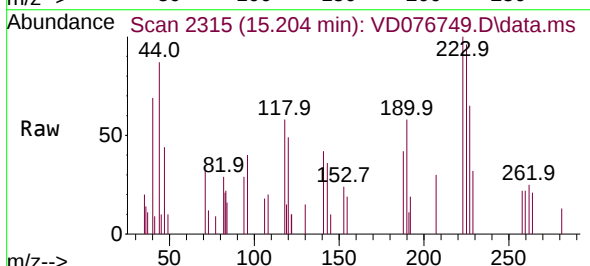
Tgt Ion:180 Resp: 7072  
Ion Ratio Lower Upper  
180 100  
182 92.2 48.5 145.6  
145 29.6 14.2 42.6

Manual Integrations  
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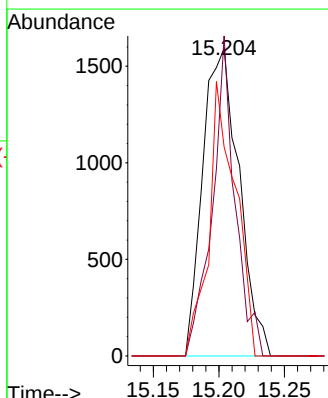
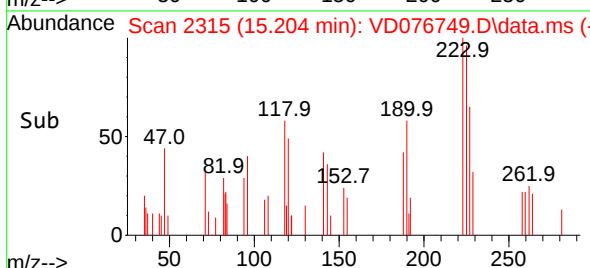
Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023

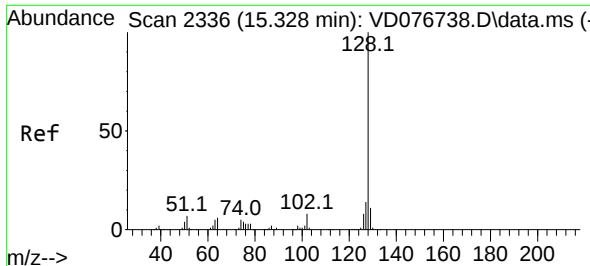


#94  
Hexachlorobutadiene  
Concen: 2.339 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. 0.000 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41



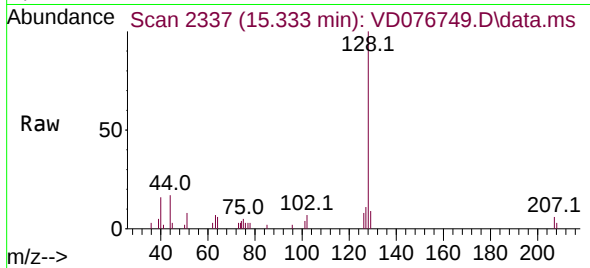
Tgt Ion:225 Resp: 3064  
Ion Ratio Lower Upper  
225 100  
223 65.2 31.6 94.8  
227 65.5 31.7 95.1





#95  
Naphthalene  
Concen: 2.377 ug/l  
RT: 15.333 min Scan# 2337  
Delta R.T. 0.005 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41

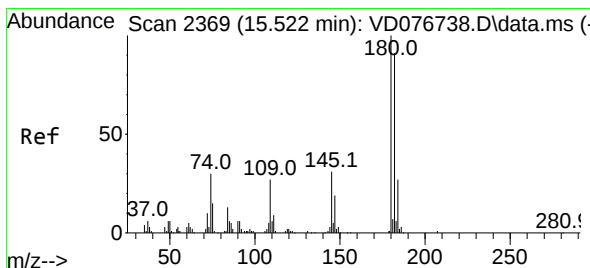
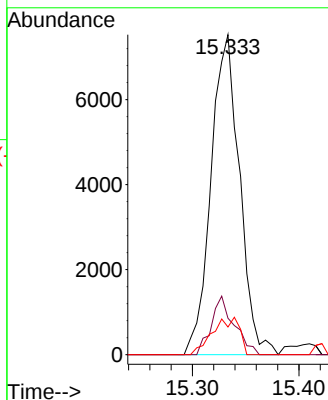
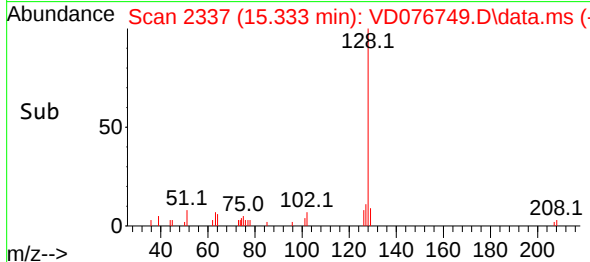
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



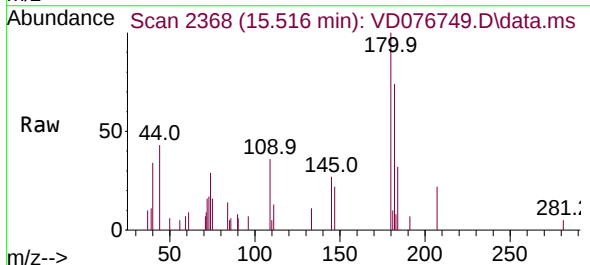
Tgt Ion:128 Resp: 14018  
Ion Ratio Lower Upper  
128 100  
127 11.4 10.5 15.7  
129 8.7 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



#96  
1,2,3-Trichlorobenzene  
Concen: 2.513 ug/l  
RT: 15.516 min Scan# 2368  
Delta R.T. -0.006 min  
Lab File: VD076749.D  
Acq: 17 Jul 2023 12:41



Tgt Ion:180 Resp: 6143  
Ion Ratio Lower Upper  
180 100  
182 95.2 47.3 141.9  
145 34.7 15.1 45.3

