

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031521\  
 Data File : VX021198.D  
 Acq On : 15 Mar 2021 14:47  
 Operator : JC/MD  
 Sample : M1583-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Mar 16 03:01:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 15 11:55:59 2021  
 Response via : Initial Calibration

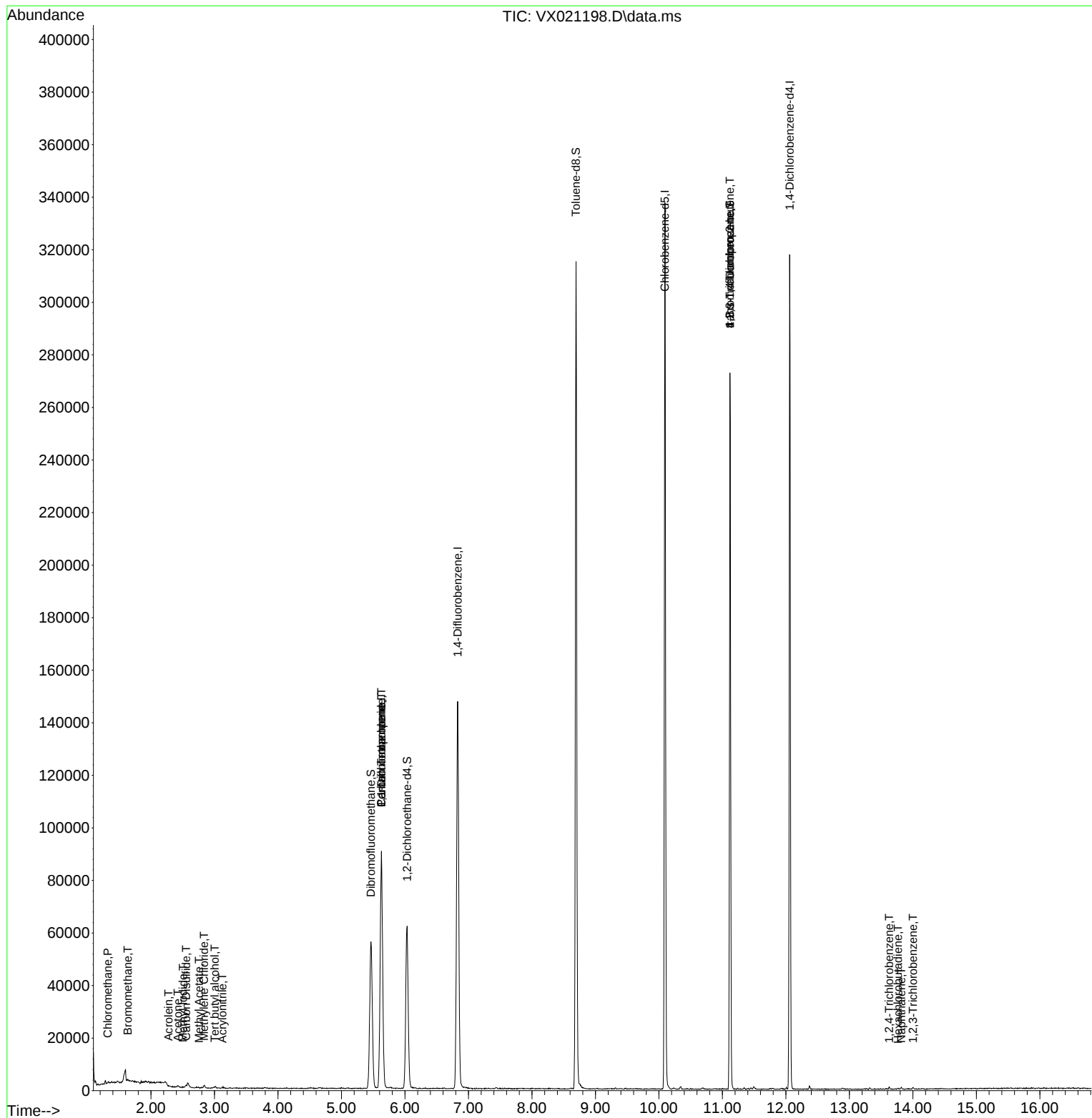
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.629  | 168   | 75078    | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.829  | 114   | 136158   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 135760   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 59148    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.035  | 65    | 62144    | 48.54    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 97.08%   |
| 35) Dibromofluoromethane      | 5.464  | 113   | 46488    | 49.62    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 99.24%   |
| 50) Toluene-d8                | 8.694  | 98    | 173215   | 51.47    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 102.94%  |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 68911    | 53.74    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 107.48%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.316  | 50    | 265      | 0.27     | ug/l   | 95       |
| 5) Bromomethane               | 1.634  | 94    | 324      | 0.59     | ug/l # | 77       |
| 10) Methyl Iodide             | 2.505  | 142   | 456      | 0.42     | ug/l # | 82       |
| 11) Tert butyl alcohol        | 3.005  | 59    | 368      | 1.65     | ug/l # | 73       |
| 13) Acrolein                  | 2.275  | 56    | 54       | 0.39     | ug/l # | 33       |
| 15) Acrylonitrile             | 3.123  | 53    | 184      | 0.37     | ug/l # | 29       |
| 16) Acetone                   | 2.422  | 43    | 806      | 1.57     | ug/l   | 94       |
| 17) Carbon Disulfide          | 2.552  | 76    | 937      | 0.39     | ug/l # | 94       |
| 18) Methyl Acetate            | 2.758  | 43    | 533      | 0.43     | ug/l # | 47       |
| 20) Methylene Chloride        | 2.834  | 84    | 333      | 0.34     | ug/l # | 89       |
| 36) 1,1-Dichloropropene       | 5.629  | 75    | 6992     | 4.90     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.629  | 117   | 8425     | 5.38     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 39856    | 27.18    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 39856    | 77.13    | ug/l # | 12       |
| 93) 1,2,4-Trichlorobenzene    | 13.624 | 180   | 269      | 0.22     | ug/l   | 87       |
| 94) Hexachlorobutadiene       | 13.765 | 225   | 113      | 0.22     | ug/l # | 65       |
| 95) Naphthalene               | 13.818 | 128   | 596      | 1.60     | ug/l # | 89       |
| 96) 1,2,3-Trichlorobenzene    | 14.000 | 180   | 222      | 1.10     | ug/l # | 85       |
| -----                         |        |       |          |          |        |          |

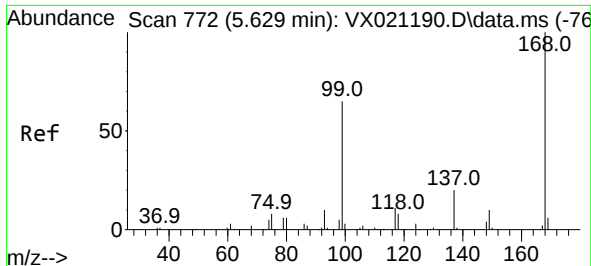
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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STORAGE-BLANK-SOIL-REF-6

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Quant Title : SW846 8260  
QLast Update : Mon Mar 15 11:55:59 2021  
Response via : Initial Calibration

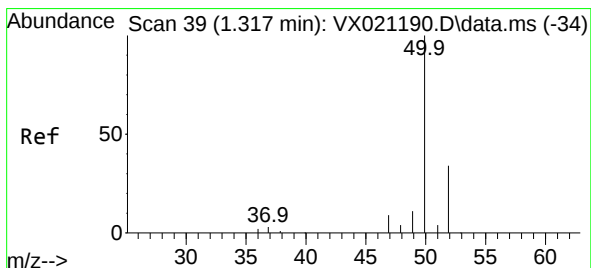
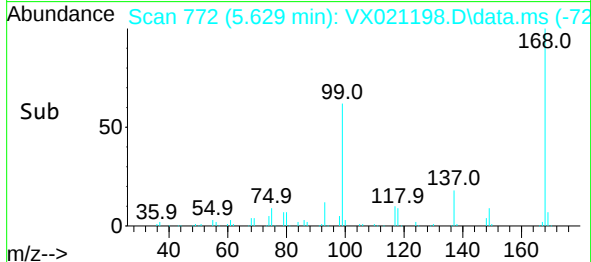
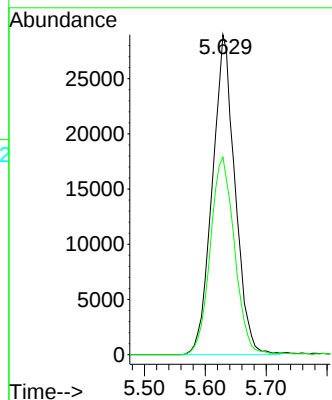
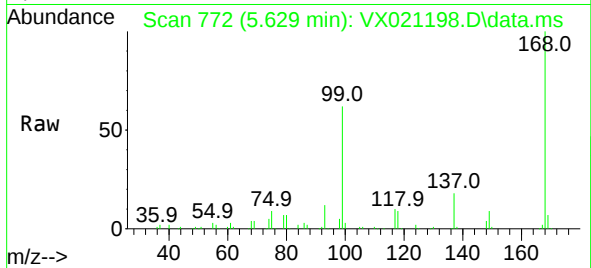




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. 0.006 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

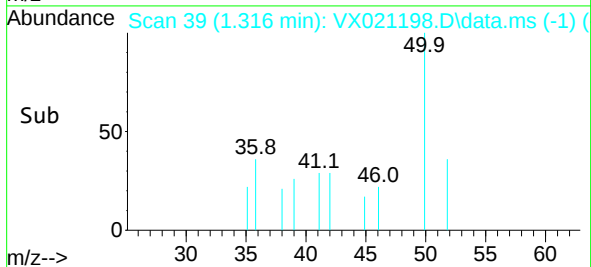
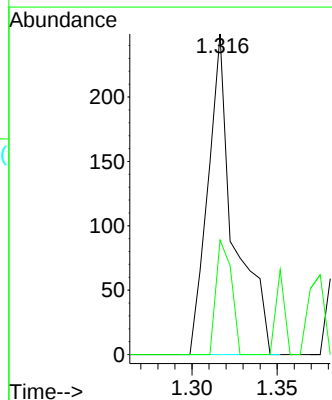
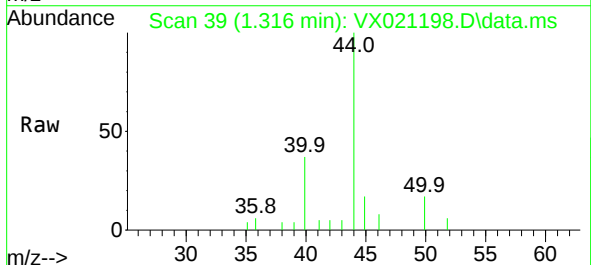
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MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

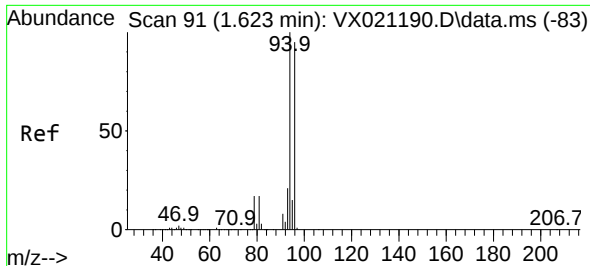
Tgt Ion:168 Resp: 75078  
Ion Ratio Lower Upper  
168 100  
99 61.7 45.8 68.6



#3  
Chloromethane  
Concen: 0.27 ug/l  
RT: 1.316 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

Tgt Ion: 50 Resp: 265  
Ion Ratio Lower Upper  
50 100  
52 35.7 26.4 39.6

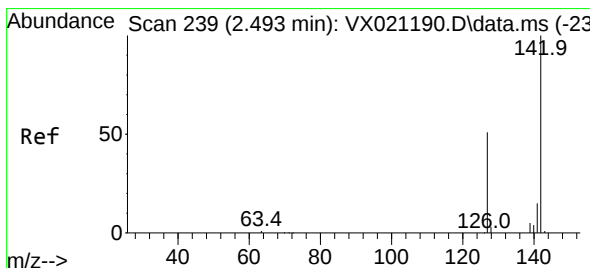
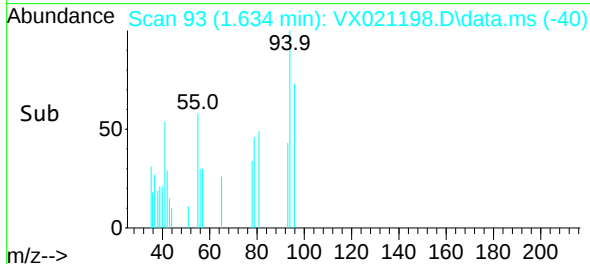
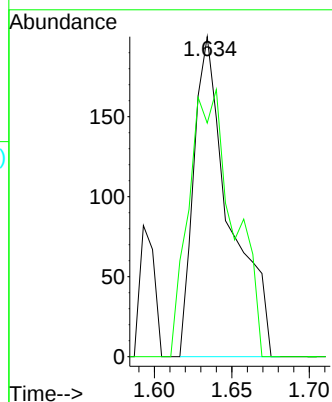
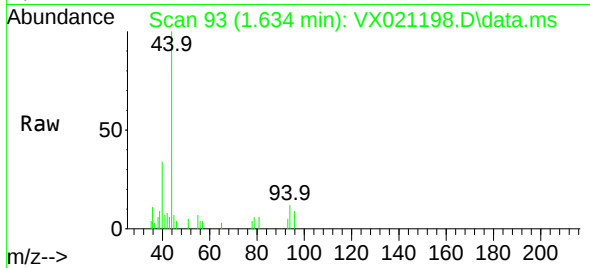




#5  
Bromomethane  
Concen: 0.59 ug/l  
RT: 1.634 min Scan# 93  
Delta R.T. 0.011 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

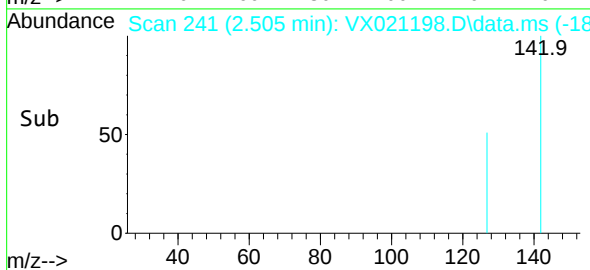
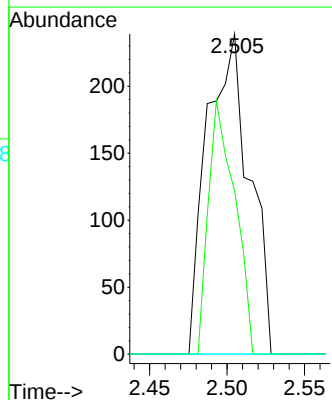
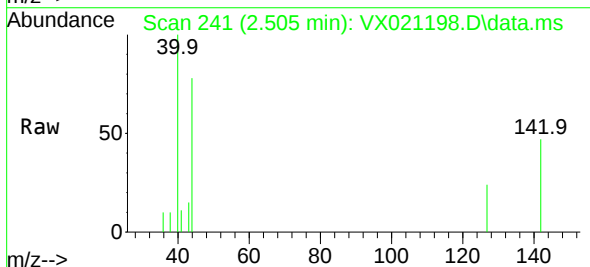
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

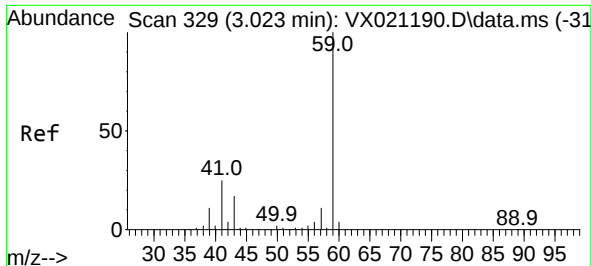
Tgt Ion: 94 Resp: 324  
Ion Ratio Lower Upper  
94 100  
96 73.0 76.4 114.6#



#10  
Methyl Iodide  
Concen: 0.42 ug/l  
RT: 2.505 min Scan# 241  
Delta R.T. 0.017 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

Tgt Ion: 142 Resp: 456  
Ion Ratio Lower Upper  
142 100  
127 49.3 33.3 49.9  
141 0.0 11.4 17.0#

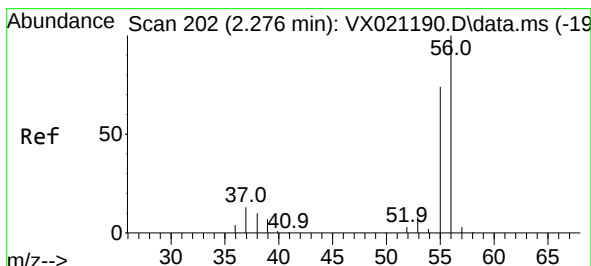
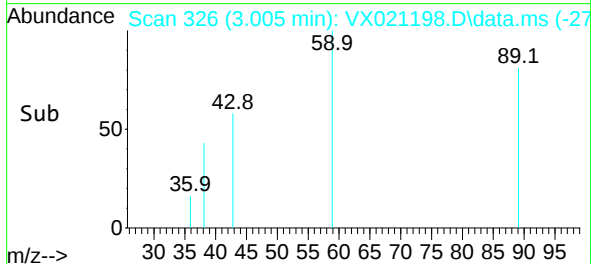
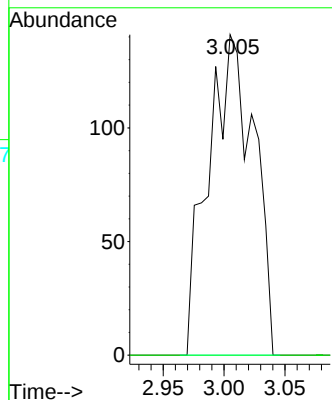
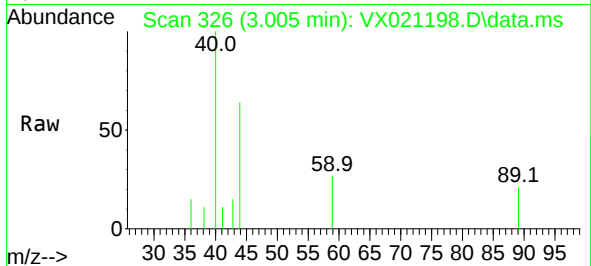




#11  
Tert butyl alcohol  
Concen: 1.65 ug/l  
RT: 3.005 min Scan# 326  
Delta R.T. -0.012 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

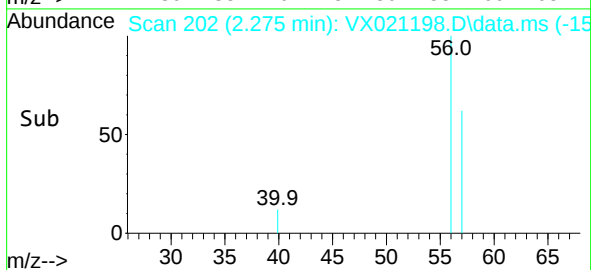
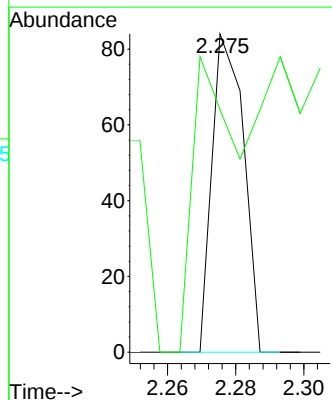
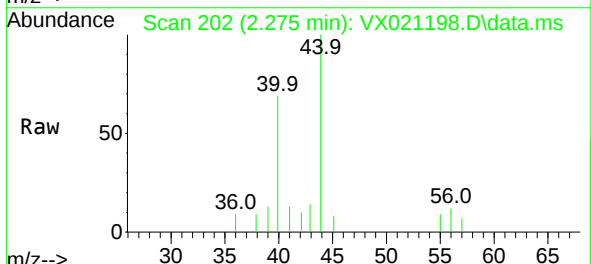
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

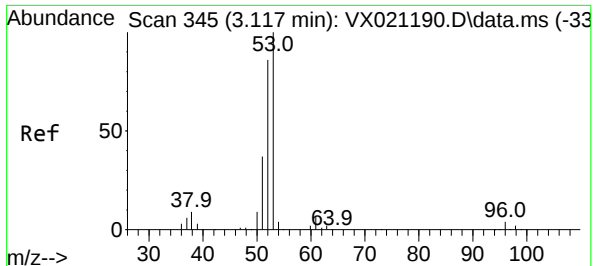
Tgt Ion: 59 Resp: 368  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#13  
Acrolein  
Concen: 0.39 ug/l  
RT: 2.275 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

Tgt Ion: 56 Resp: 54  
Ion Ratio Lower Upper  
56 100  
55 125.9 56.4 84.6#

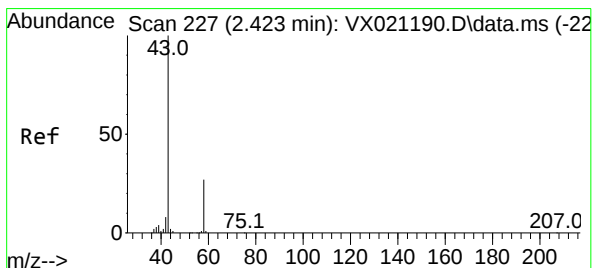
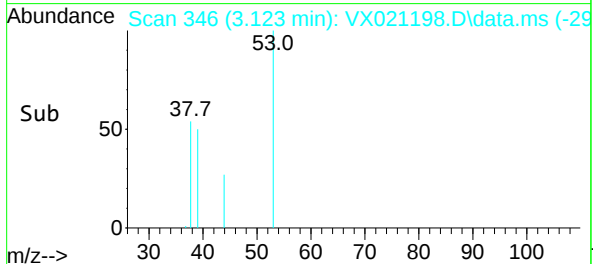
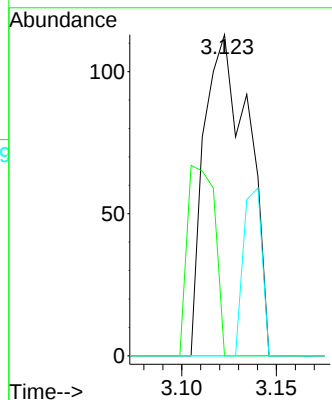
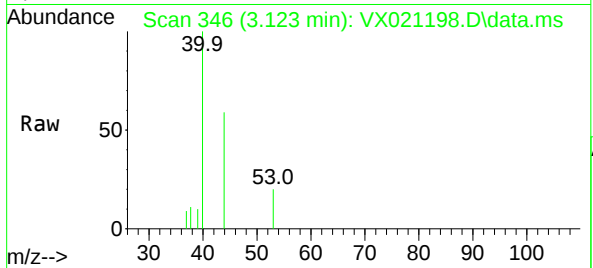




#15  
Acrylonitrile  
Concen: 0.37 ug/l  
RT: 3.123 min Scan# 346  
Delta R.T. 0.006 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

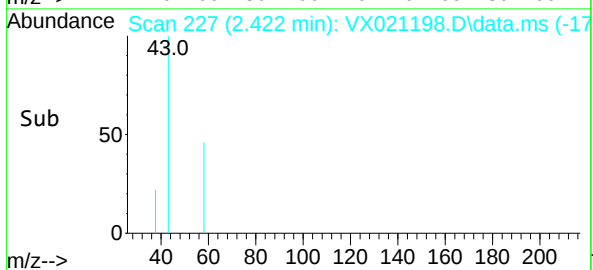
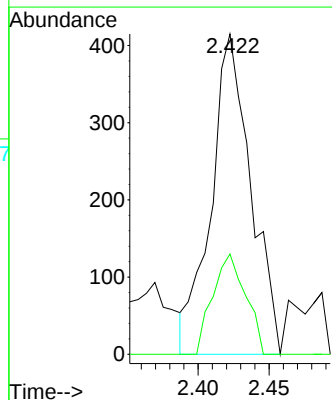
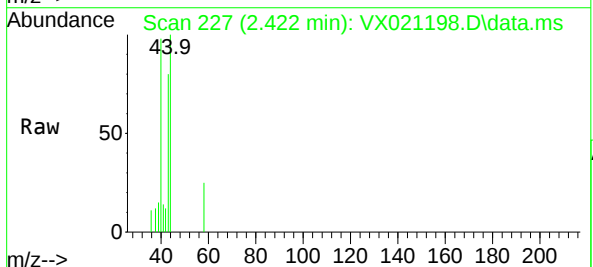
Instrument :  
MSVOA\_X  
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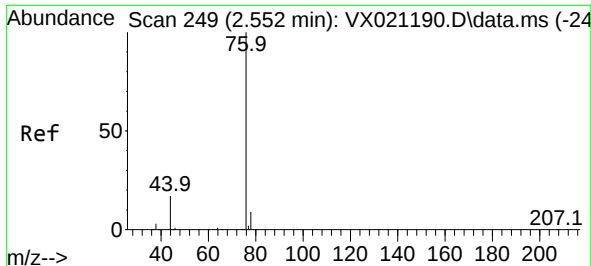
Tgt Ion: 53 Resp: 184  
Ion Ratio Lower Upper  
53 100  
52 0.0 65.3 97.9#  
51 21.7 28.2 42.2#



#16  
Acetone  
Concen: 1.57 ug/l  
RT: 2.422 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

Tgt Ion: 43 Resp: 806  
Ion Ratio Lower Upper  
43 100  
58 31.3 27.8 41.8

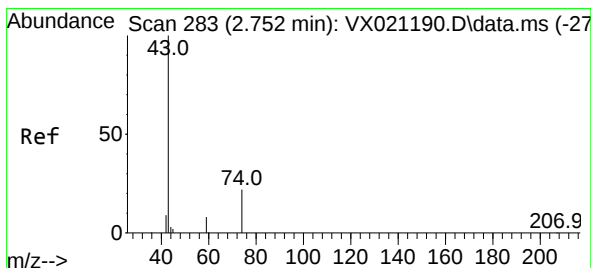
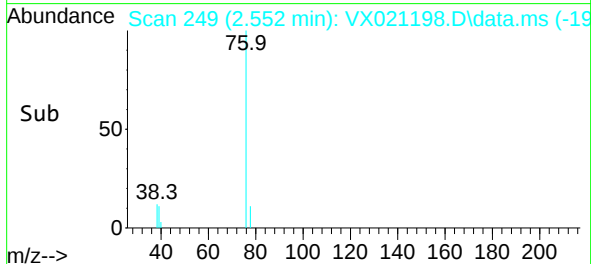
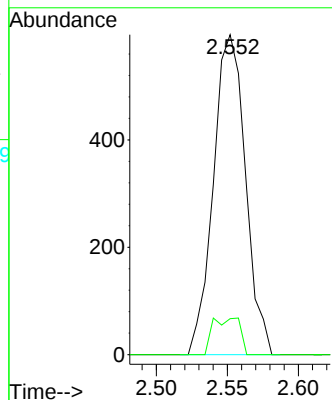
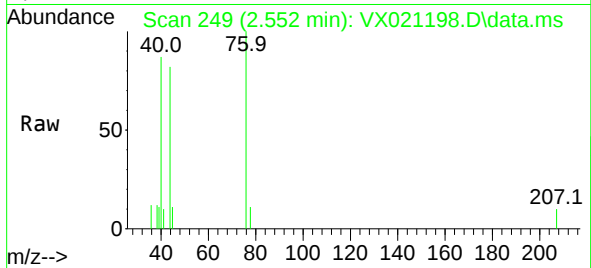




#17  
Carbon Disulfide  
Concen: 0.39 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. 0.006 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

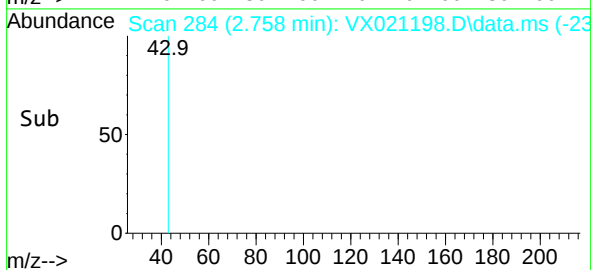
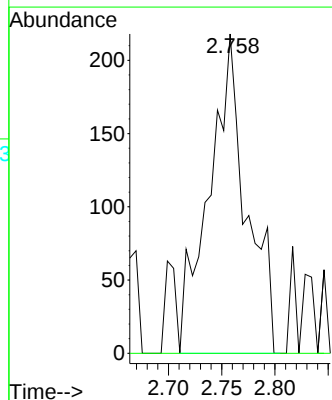
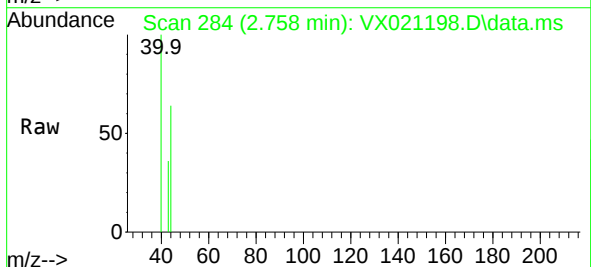
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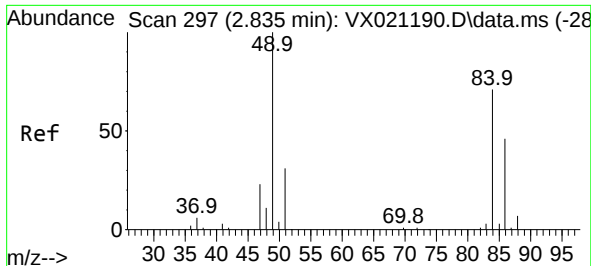
Tgt Ion: 76 Resp: 937  
Ion Ratio Lower Upper  
76 100  
78 11.2 7.2 10.8#



#18  
Methyl Acetate  
Concen: 0.43 ug/l  
RT: 2.758 min Scan# 284  
Delta R.T. 0.006 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

Tgt Ion: 43 Resp: 533  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.34 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.000 min

Lab File: VX021198.D

Acq: 15 Mar 2021 14:47

Tgt Ion: 84 Resp: 333

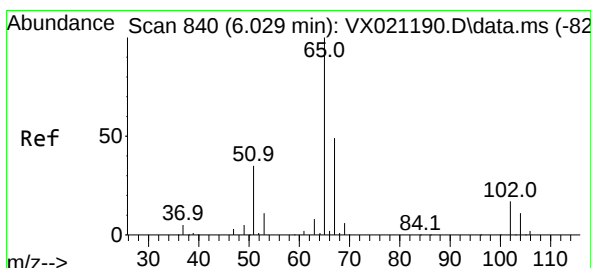
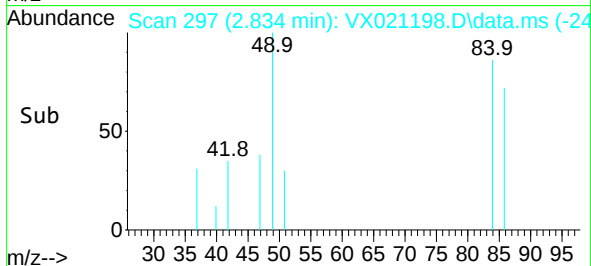
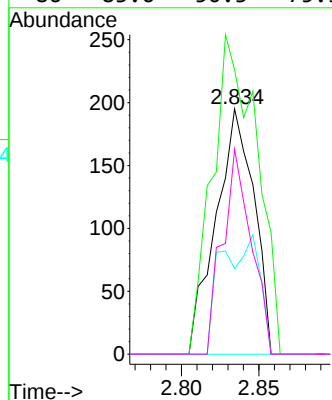
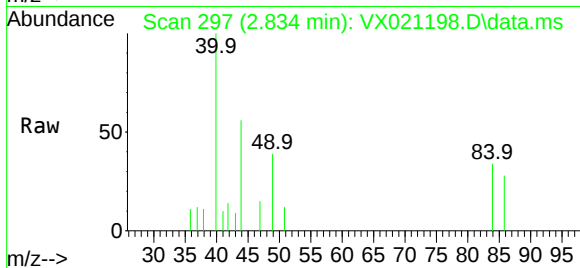
Ion Ratio Lower Upper

84 100

49 115.9 88.6 132.8

51 34.9 27.0 40.6

86 83.6 50.3 75.5#



#33

1,2-Dichloroethane-d4

Concen: 48.54 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

Lab File: VX021198.D

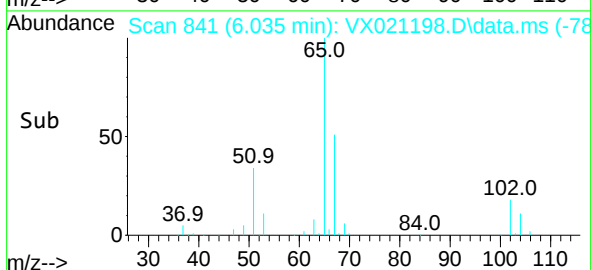
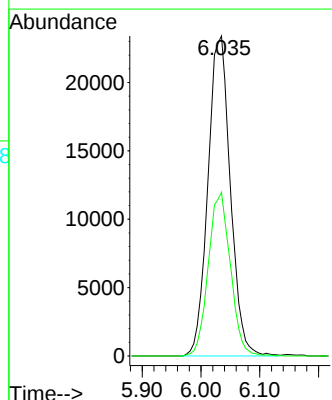
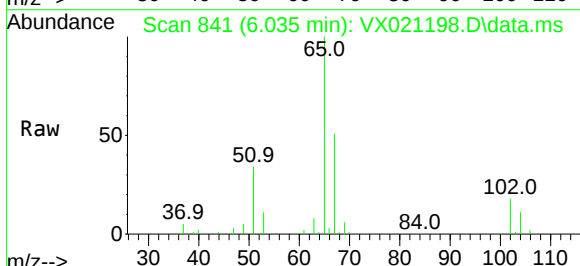
Acq: 15 Mar 2021 14:47

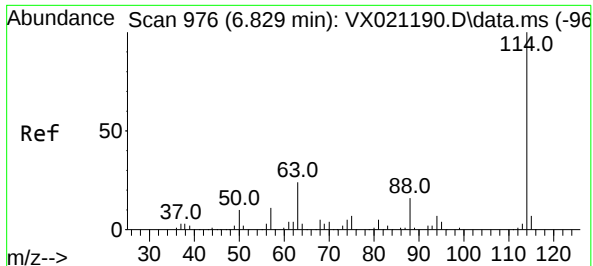
Tgt Ion: 65 Resp: 62144

Ion Ratio Lower Upper

65 100

67 50.3 0.0 105.4

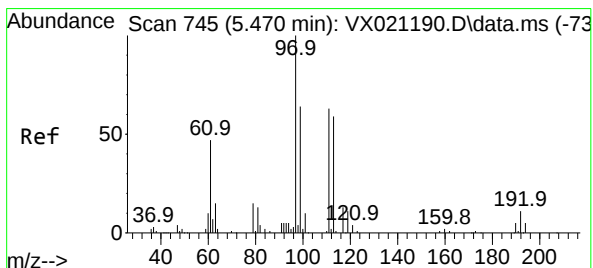
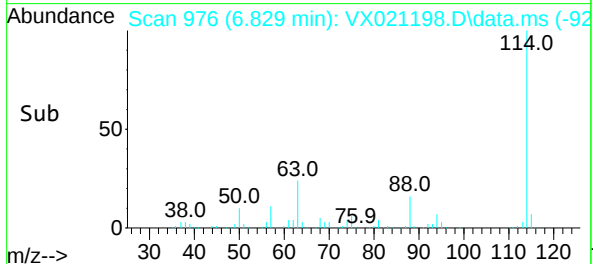
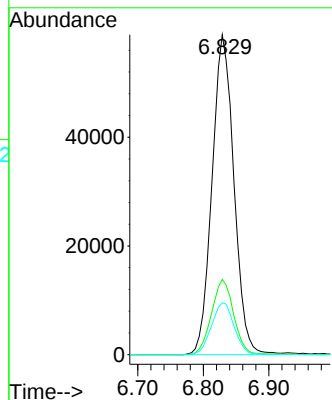
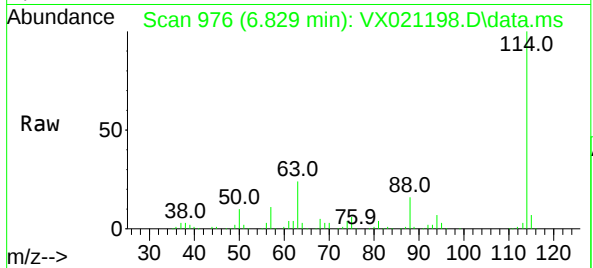




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

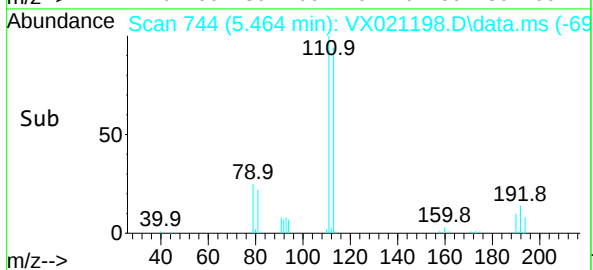
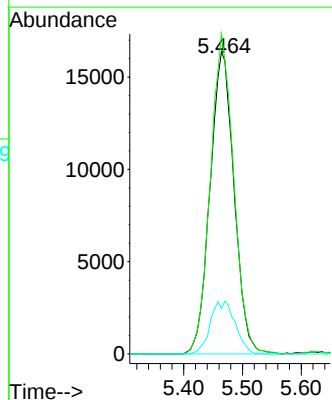
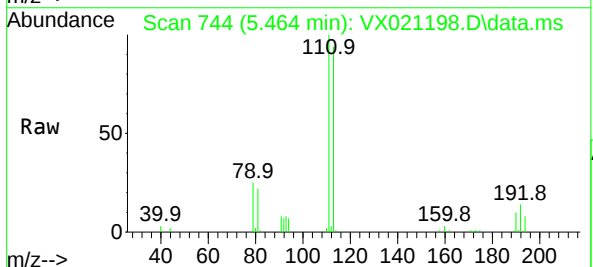
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

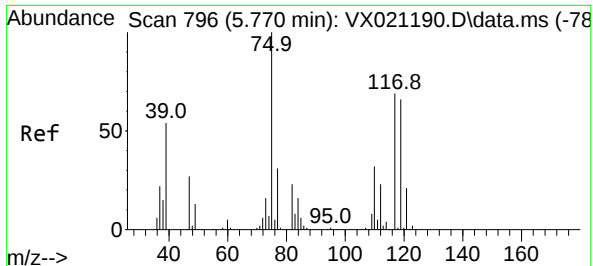
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 136158 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 23.5  | 0.0   | 40.8   |
| 88        | 16.3  | 0.0   | 32.8   |



#35  
Dibromofluoromethane  
Concen: 49.62 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 46488 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 103.0 | 81.9  | 122.9 |
| 192       | 18.1  | 16.7  | 25.1  |





#36

1,1-Dichloropropene

Concen: 4.90 ug/l

RT: 5.629 min Scan# 772

Delta R.T. -0.141 min

Lab File: VX021198.D

Acq: 15 Mar 2021 14:47

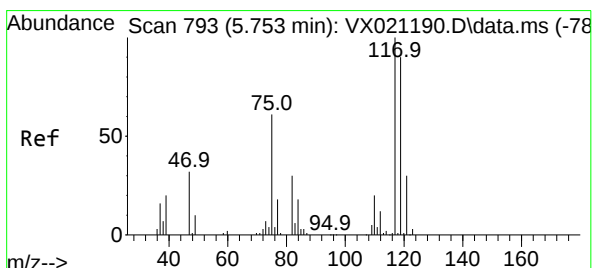
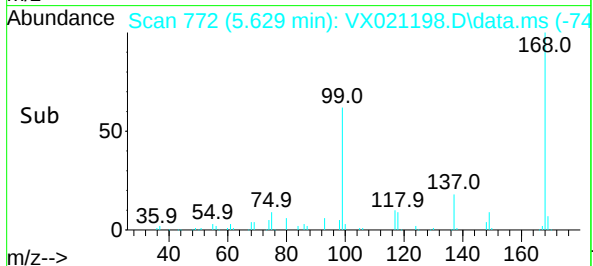
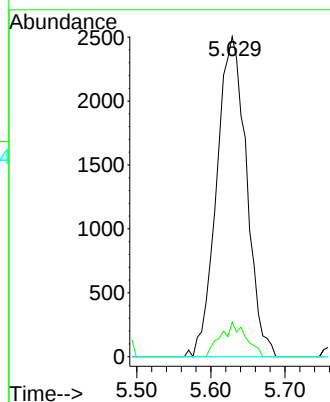
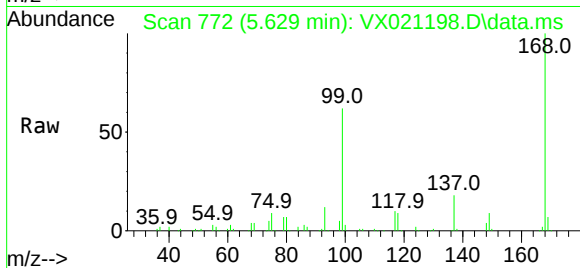
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6992  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.1   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



#38

Carbon Tetrachloride

Concen: 5.38 ug/l

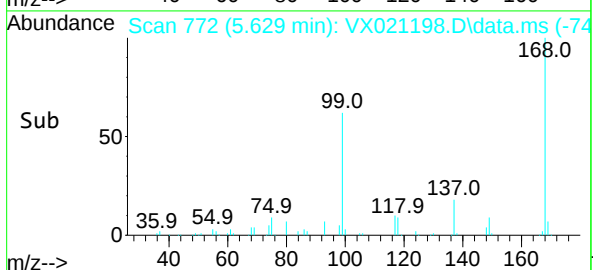
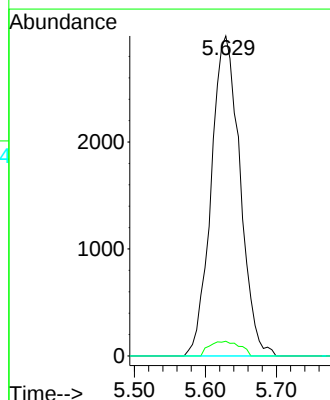
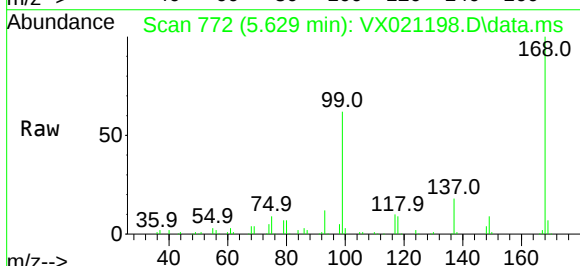
RT: 5.629 min Scan# 772

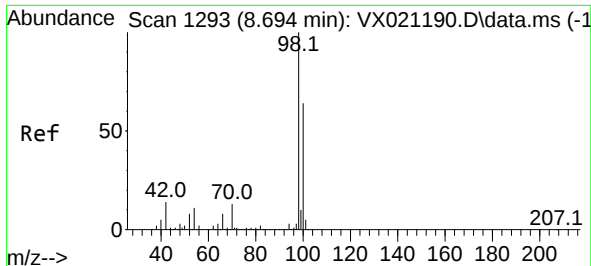
Delta R.T. -0.124 min

Lab File: VX021198.D

Acq: 15 Mar 2021 14:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 8425   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.6   | 76.2  | 114.2# |
| 121      | 0.0   | 24.8  | 37.2#  |

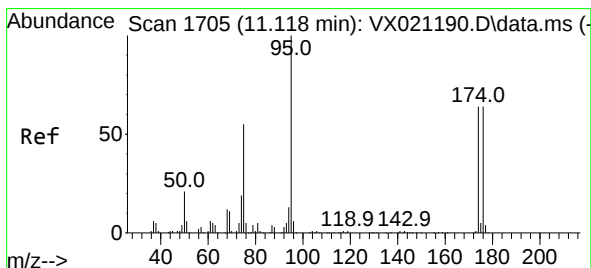
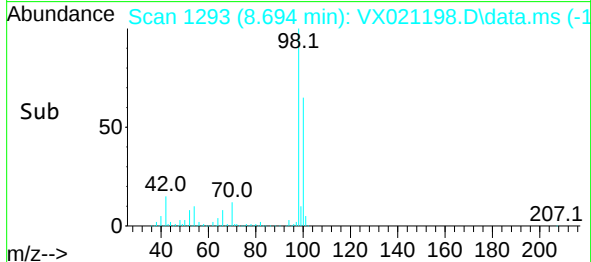
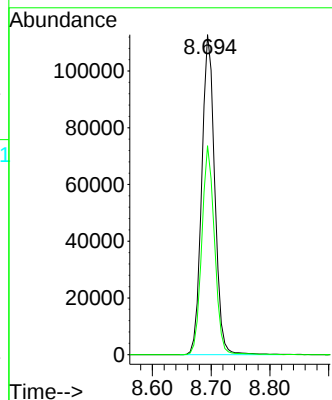
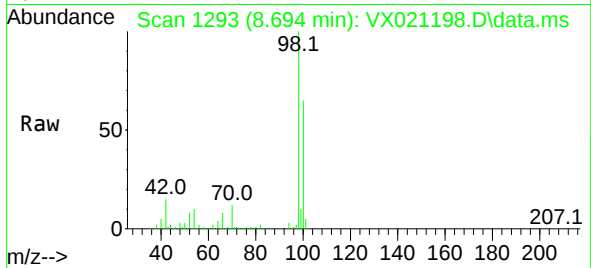




#50  
Toluene-d8  
Concen: 51.47 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

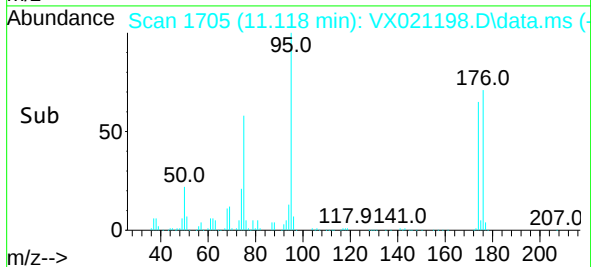
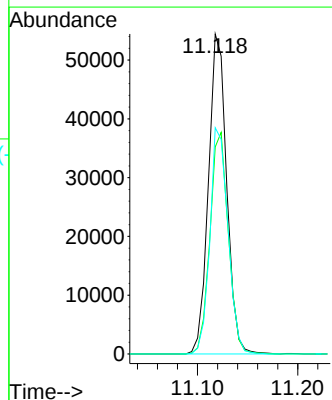
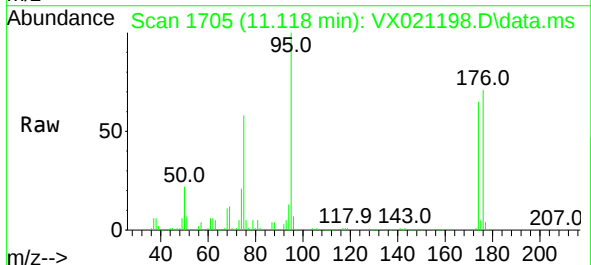
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

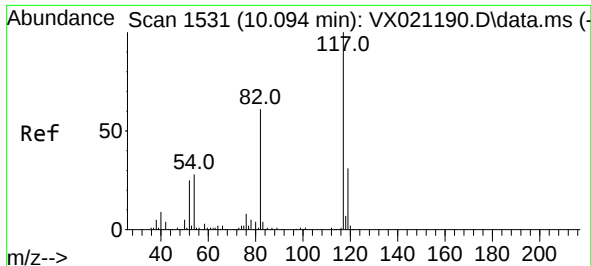
Tgt Ion: 98 Resp: 173215  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 53.74 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

Tgt Ion: 95 Resp: 68911  
Ion Ratio Lower Upper  
95 100  
174 69.7 0.0 154.6  
176 70.0 0.0 155.8

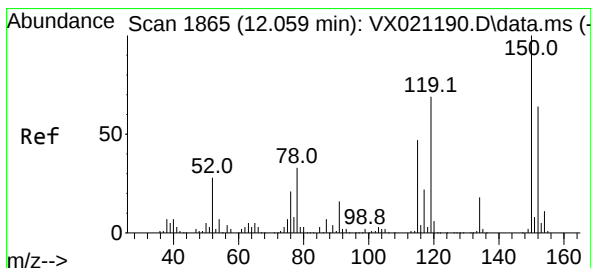
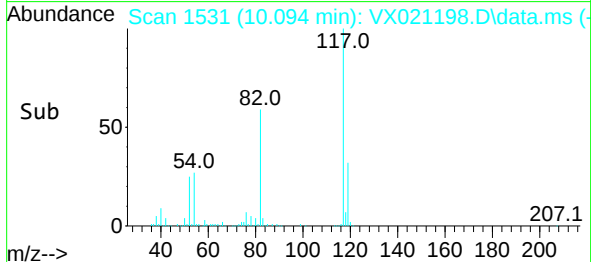
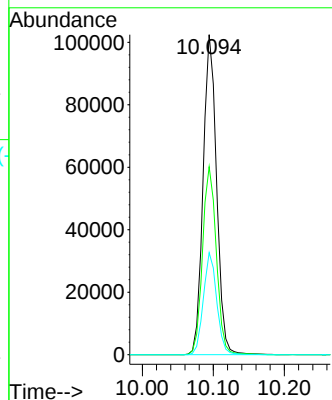
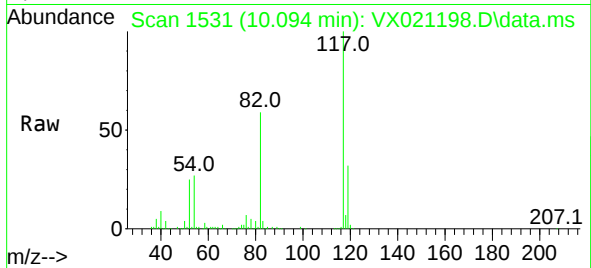




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

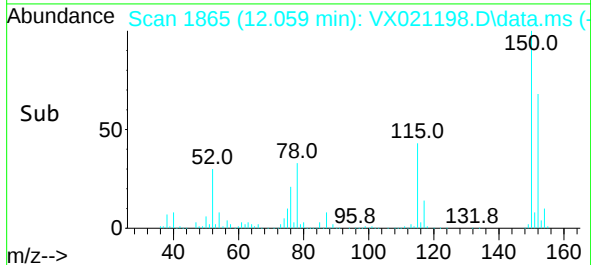
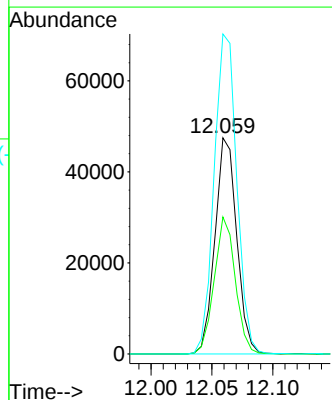
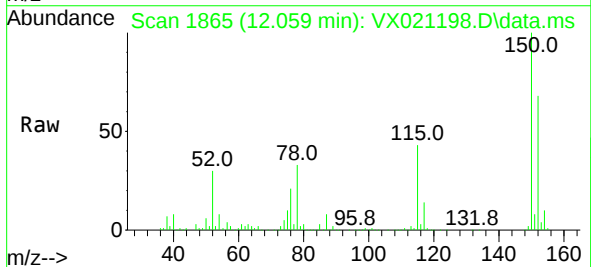
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

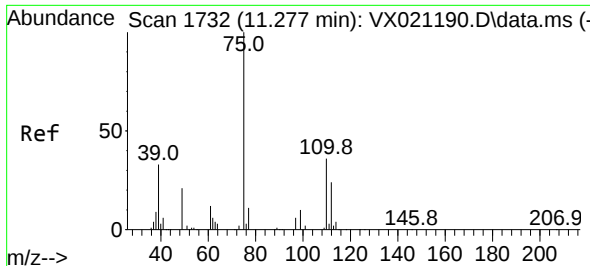
Tgt Ion:117 Resp: 135760  
Ion Ratio Lower Upper  
117 100  
82 58.7 47.4 71.2  
119 31.9 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. -0.006 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

Tgt Ion:152 Resp: 59148  
Ion Ratio Lower Upper  
152 100  
115 61.5 41.1 123.3  
150 154.0 0.0 349.0

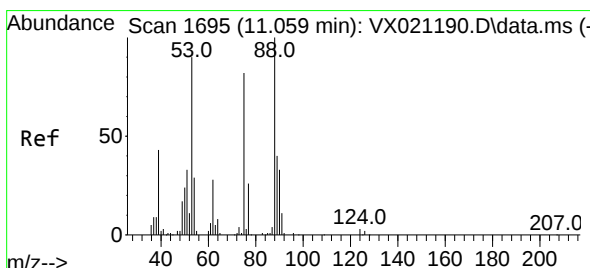
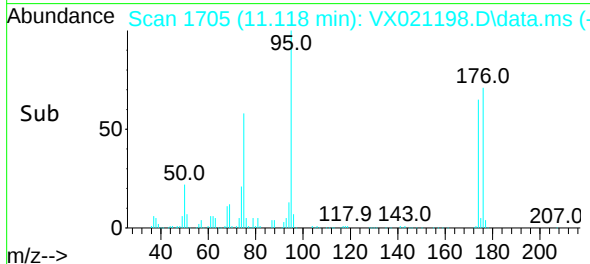
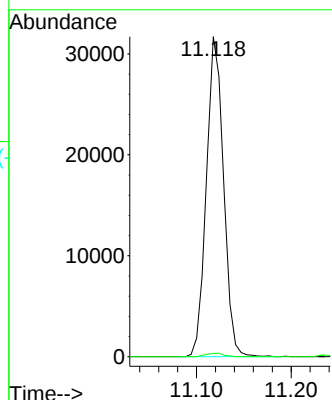
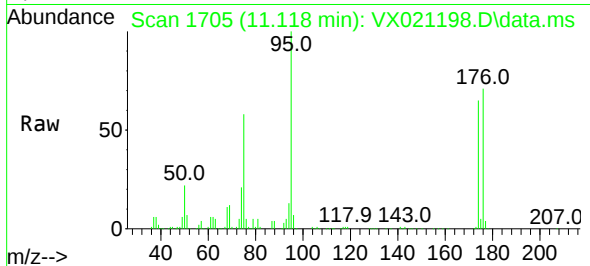




#76  
1,2,3-Trichloropropane  
Concen: 27.18 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

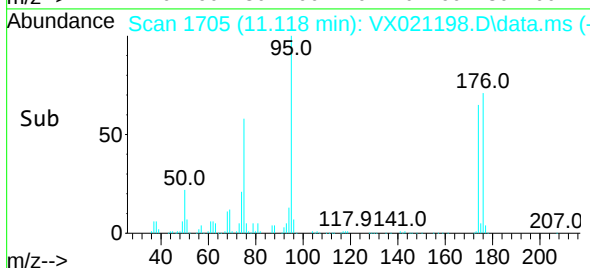
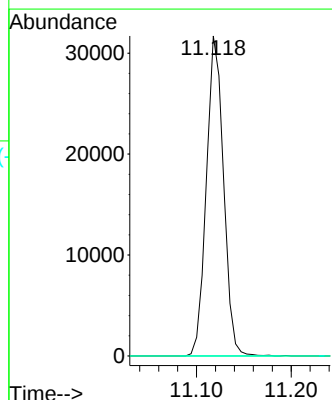
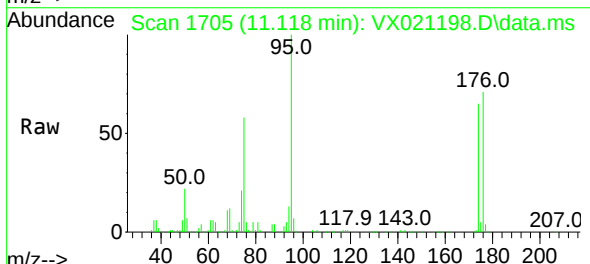
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

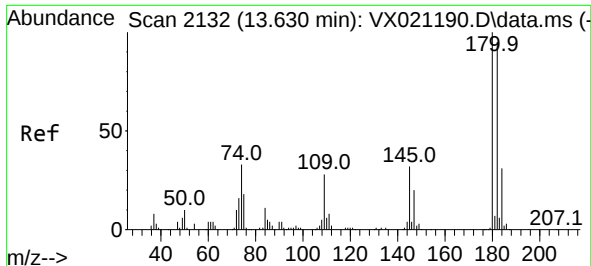
Tgt Ion: 75 Resp: 39856  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.13 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

Tgt Ion: 75 Resp: 39856  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

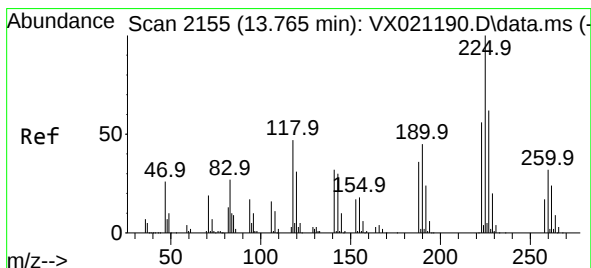
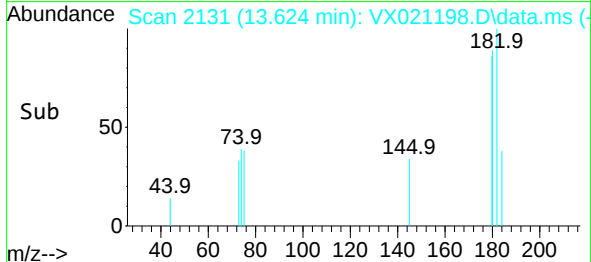
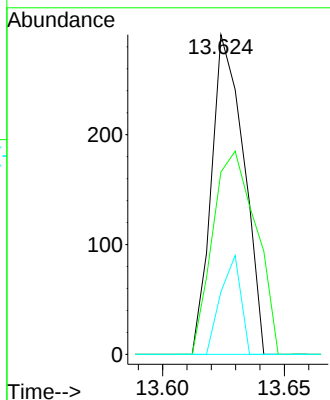
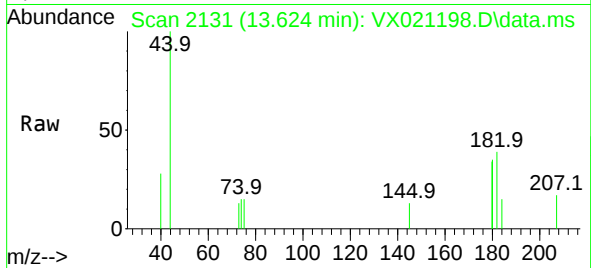




#93  
1,2,4-Trichlorobenzene  
Concen: 0.22 ug/l  
RT: 13.624 min Scan# 2131  
Delta R.T. -0.006 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

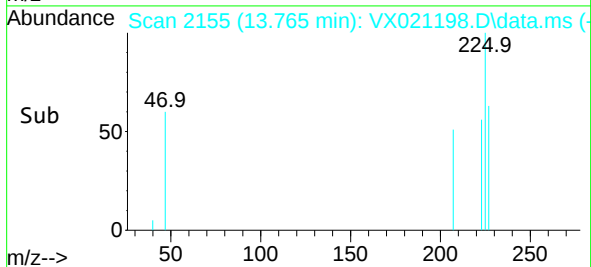
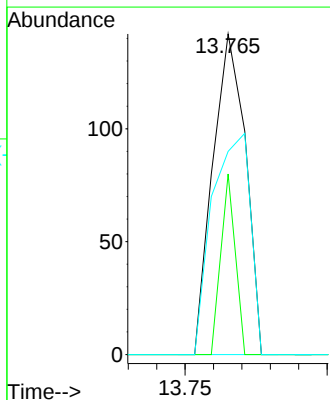
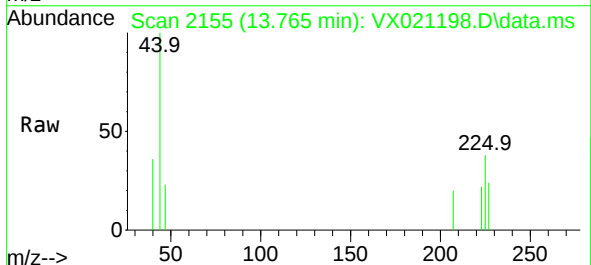
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MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

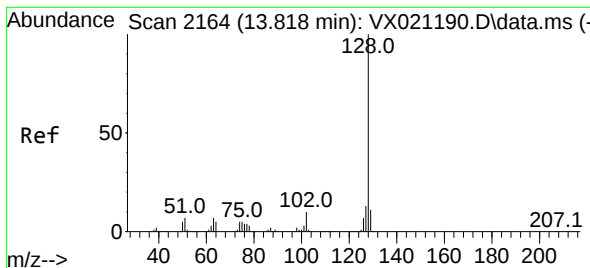
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 269   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 85.1  | 47.7  | 143.1 |
| 145      | 19.3  | 15.0  | 45.0  |



#94  
Hexachlorobutadiene  
Concen: 0.22 ug/l  
RT: 13.765 min Scan# 2155  
Delta R.T. -0.000 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 113   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 24.8  | 31.1  | 93.2# |
| 227      | 80.5  | 31.6  | 95.0  |

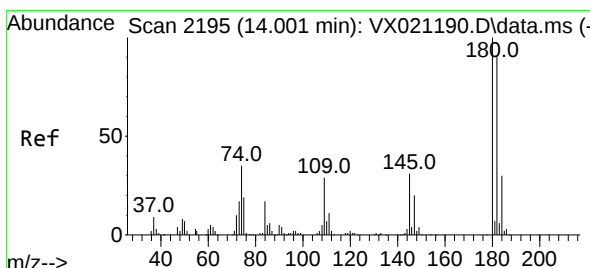
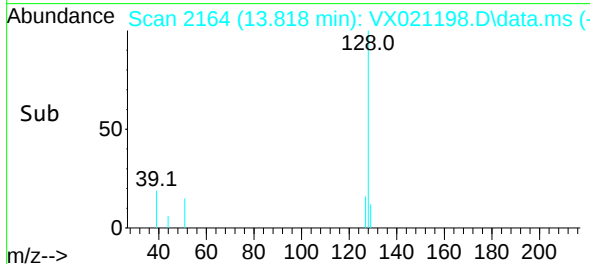
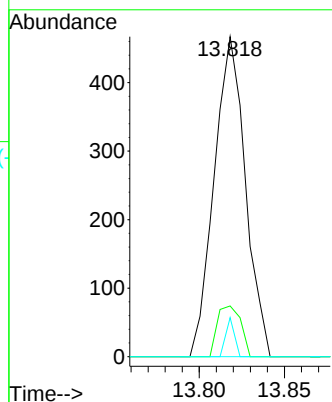
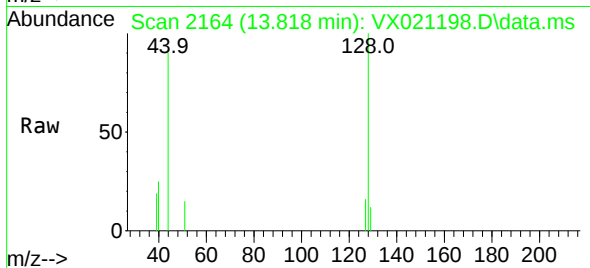




#95  
Naphthalene  
Concen: 1.60 ug/l  
RT: 13.818 min Scan# 2164  
Delta R.T. 0.000 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 596       |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 11.9  | 10.3 15.5 |
| 129         | 3.4   | 8.8 13.2# |



#96  
1,2,3-Trichlorobenzene  
Concen: 1.10 ug/l  
RT: 14.000 min Scan# 2195  
Delta R.T. -0.001 min  
Lab File: VX021198.D  
Acq: 15 Mar 2021 14:47

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 222        |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.9  | 47.6 142.9 |
| 145         | 0.0   | 16.1 48.3# |

