

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053123\  
 Data File : VD076291.D  
 Acq On : 31 May 2023 18:22  
 Operator : KP/SY  
 Sample : 02976-04  
 Misc : 6.60G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-2

Quant Time: Jun 01 01:43:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 208294   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 424547   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 405491   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 178705   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 79177    | 39.331   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 78.660%  |
| 35) Dibromofluoromethane    | 7.799  | 113   | 112496   | 38.335   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 76.680%  |
| 50) Toluene-d8              | 10.269 | 98    | 284314   | 24.853   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 49.700%# |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 108759   | 34.225   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 68.460%  |

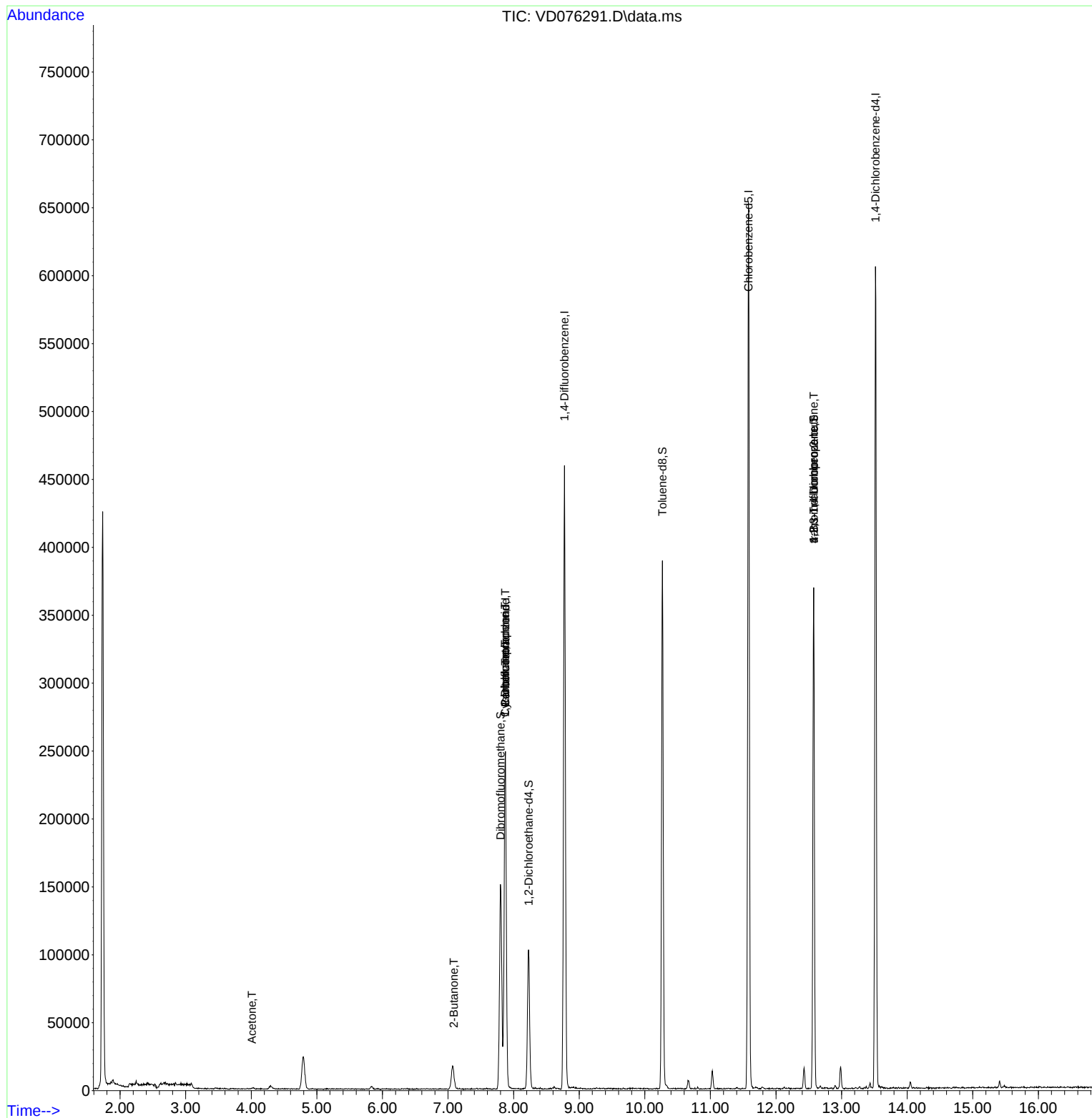
| Target Compounds              |        |     |       |           | Qvalue |     |
|-------------------------------|--------|-----|-------|-----------|--------|-----|
| 3) Chloromethane              | 2.140  | 50  | 777   | Below Cal | #      | 81  |
| 16) Acetone                   | 4.011  | 43  | 680   | 1.698     | ug/l # | 44  |
| 17) Carbon Disulfide          | 4.270  | 76  | 154   | Below Cal | #      | 73  |
| 20) Methylene Chloride        | 4.793  | 84  | 21506 | Below Cal | #      | 76  |
| 25) 2-Butanone                | 7.087  | 43  | 1043  | 2.071     | ug/l # | 50  |
| 31) Cyclohexane               | 7.869  | 56  | 3625  | 1.176     | ug/l # | 1   |
| 36) 1,1-Dichloropropene       | 7.869  | 75  | 15466 | 3.902     | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 7.875  | 117 | 18409 | 5.142     | ug/l # | 18  |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75  | 56489 | 36.122    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75  | 56489 | 75.779    | ug/l # | 5   |

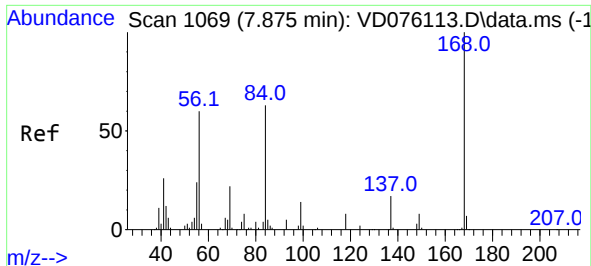
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 02976-04  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

Quant Time: Jun 01 01:43:59 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 10:08:53 2023  
Response via : Initial Calibration

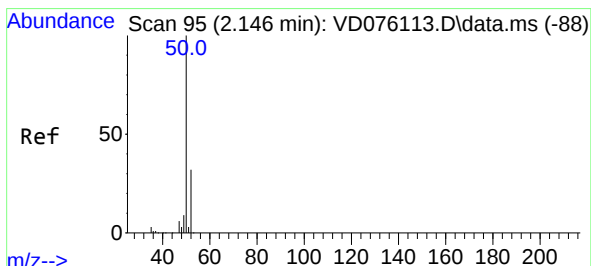
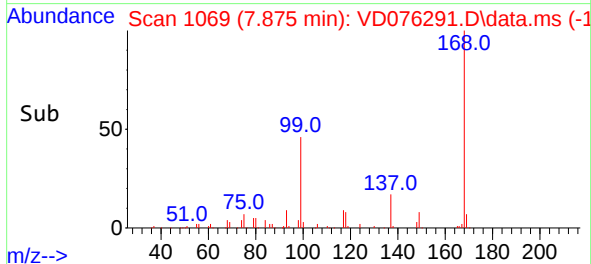
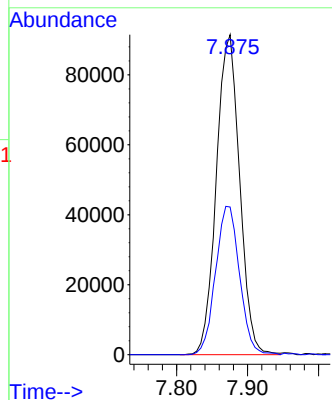
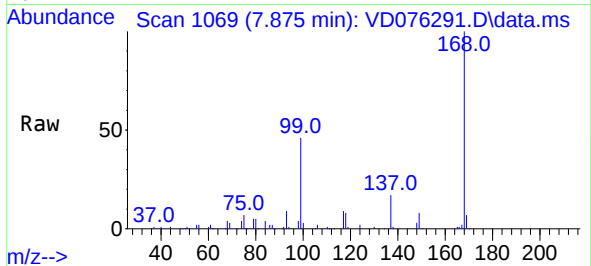




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

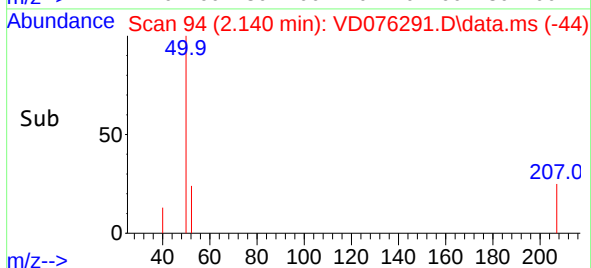
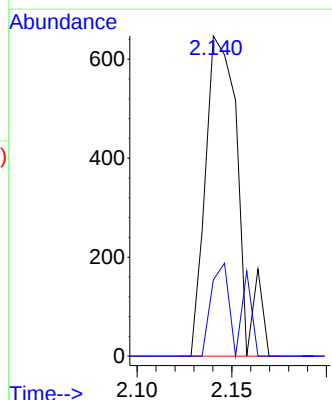
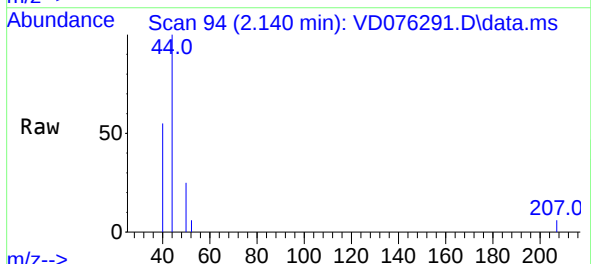
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

Tgt Ion:168 Resp: 208294  
Ion Ratio Lower Upper  
168 100  
99 46.2 43.8 65.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.140 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

Tgt Ion: 50 Resp: 777  
Ion Ratio Lower Upper  
50 100  
52 23.8 27.8 41.8#

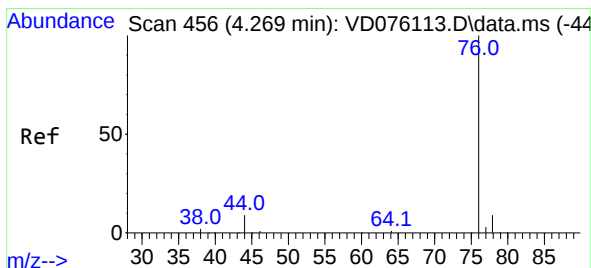
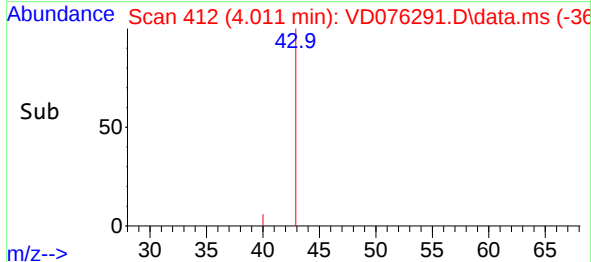
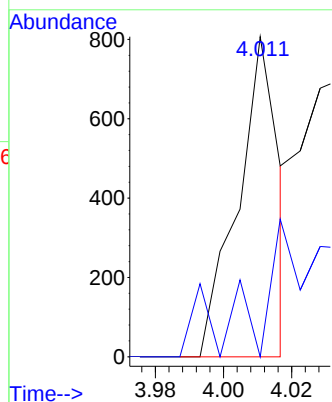
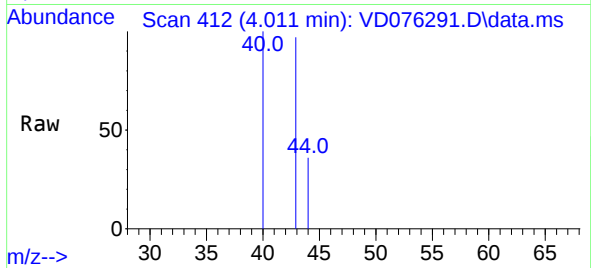




#16  
Acetone  
Concen: 1.698 ug/l  
RT: 4.011 min Scan# 41  
Delta R.T. -0.011 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

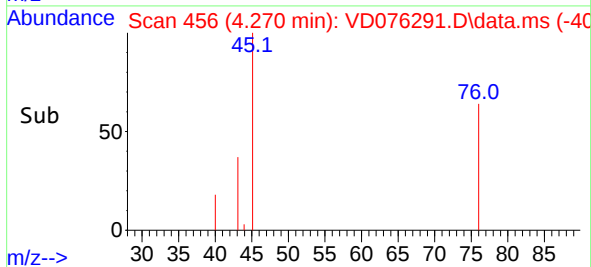
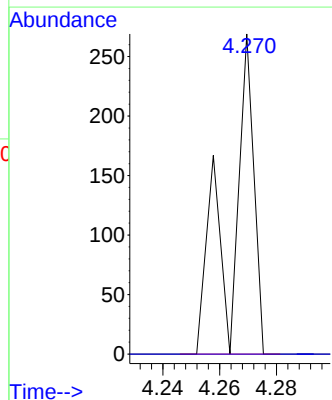
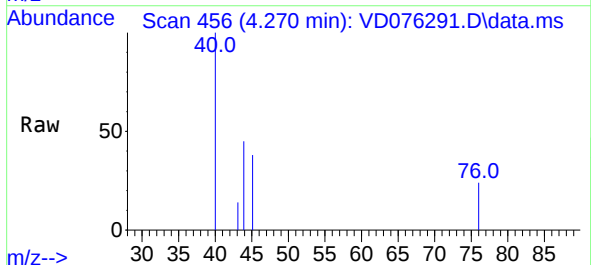
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

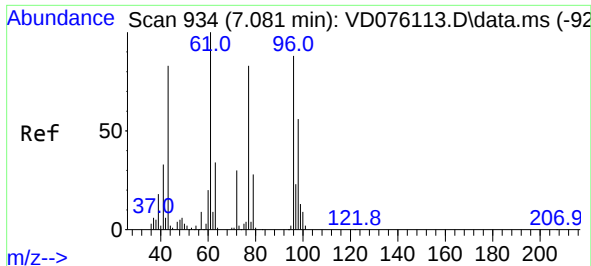
Tgt Ion: 43 Resp: 680  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 36.6#



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.270 min Scan# 456  
Delta R.T. 0.001 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

Tgt Ion: 76 Resp: 154  
Ion Ratio Lower Upper  
76 100  
78 0.0 8.0 12.0#

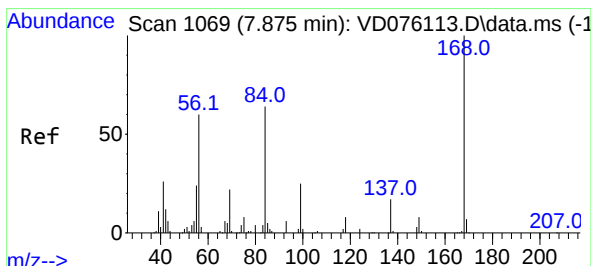
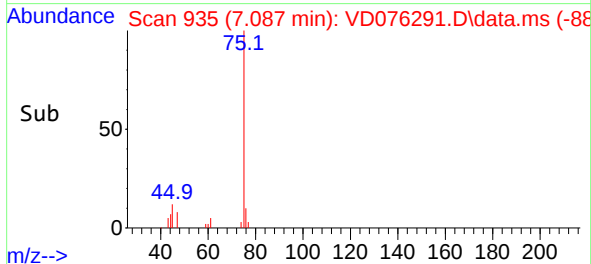
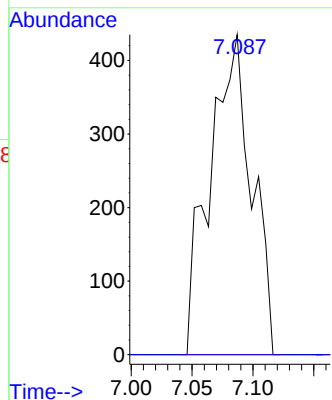
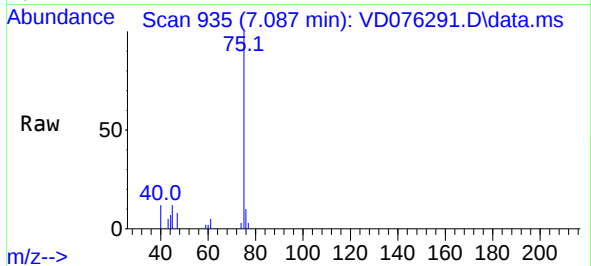




#25  
2-Butanone  
Concen: 2.071 ug/l  
RT: 7.087 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

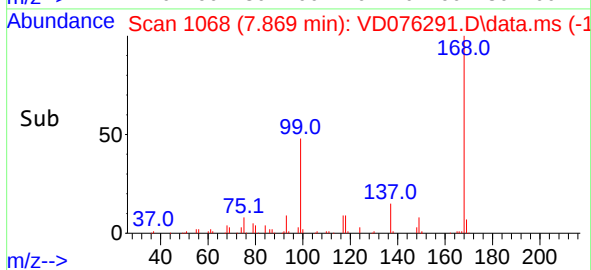
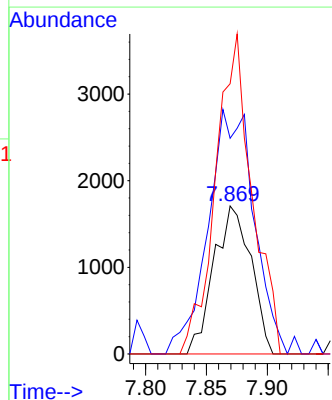
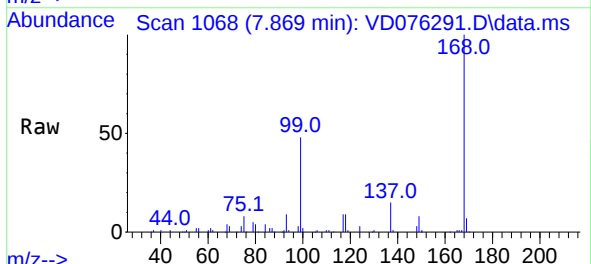
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

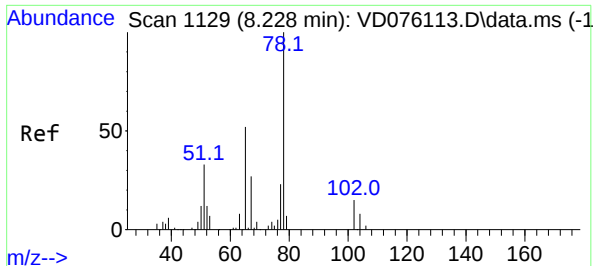
Tgt Ion: 43 Resp: 1043  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.8 29.8#



#31  
Cyclohexane  
Concen: 1.176 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

Tgt Ion: 56 Resp: 3625  
Ion Ratio Lower Upper  
56 100  
69 133.7 25.5 38.3#  
84 182.6 69.6 104.4#

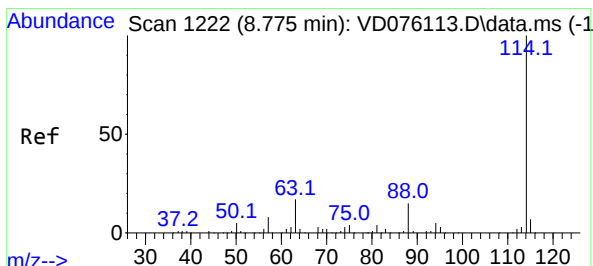
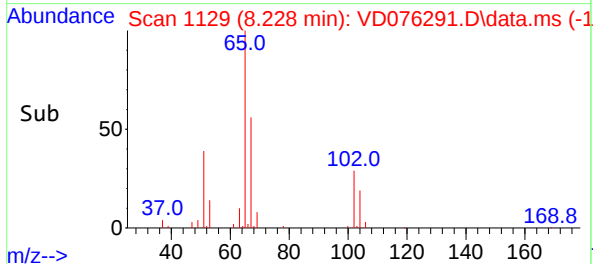
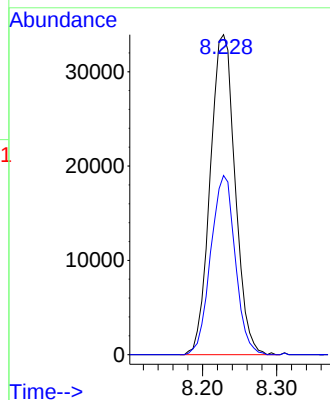
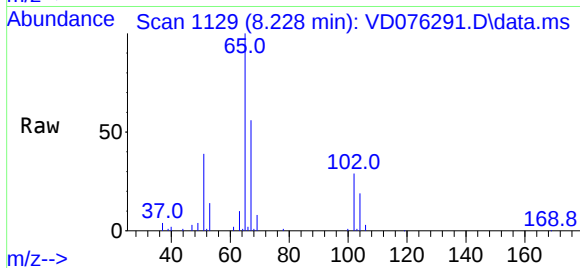




#33  
1,2-Dichloroethane-d4  
Concen: 39.331 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

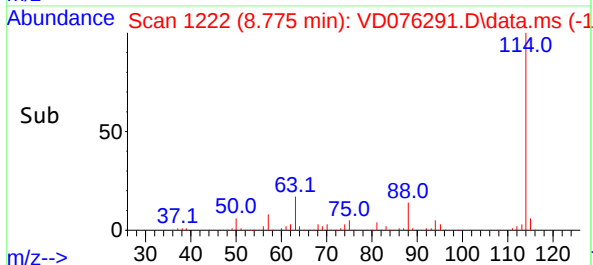
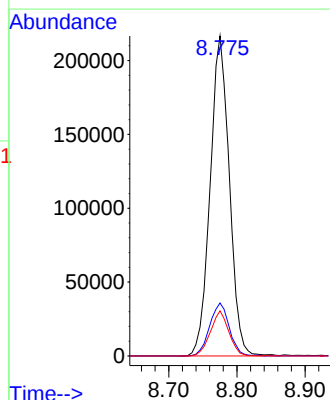
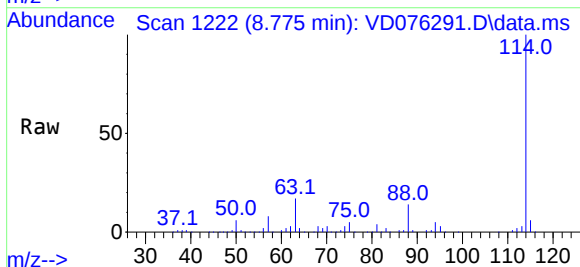
Instrument :  
MSVOA\_D  
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TP-2

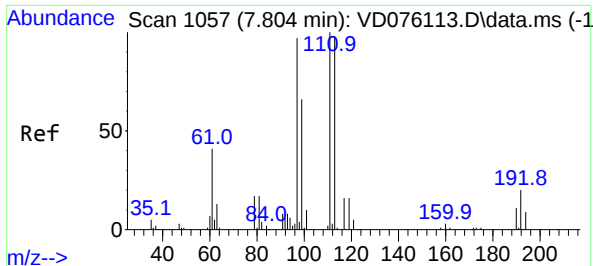
Tgt Ion: 65 Resp: 79177  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 102.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

Tgt Ion:114 Resp: 424547  
Ion Ratio Lower Upper  
114 100  
63 16.6 0.0 41.6  
88 14.1 0.0 30.6



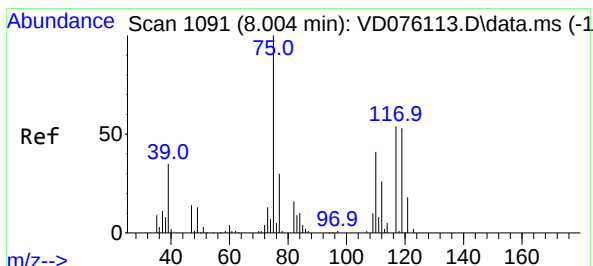
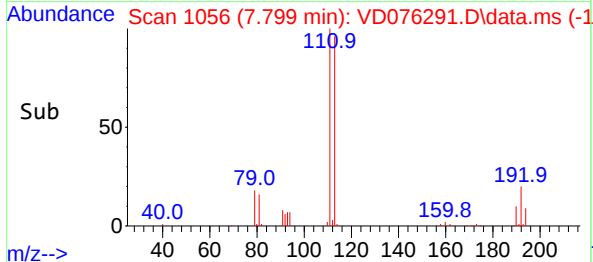
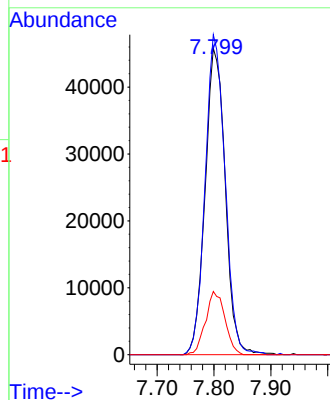
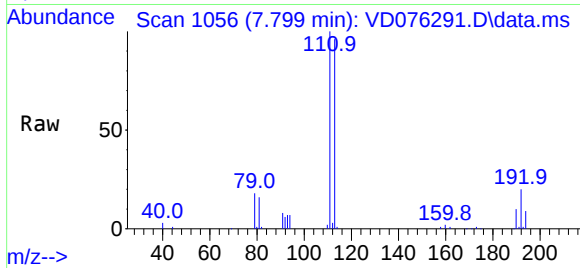


#35  
Dibromofluoromethane  
Concen: 38.335 ug/l  
RT: 7.799 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

Tgt Ion: 113 Resp: 112496

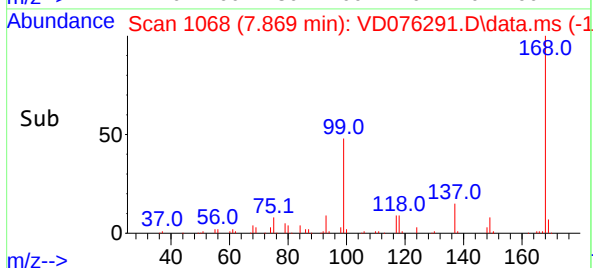
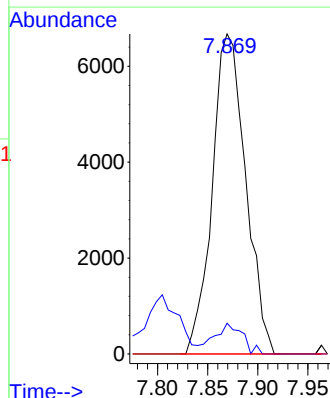
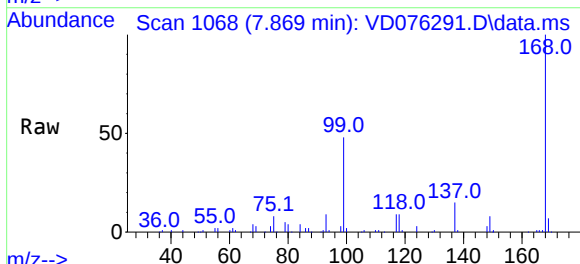
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.2 | 81.4  | 122.0 |
| 192 | 19.9  | 15.2  | 22.8  |

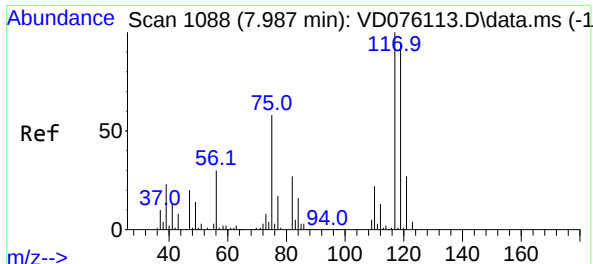


#36  
1,1-Dichloropropene  
Concen: 3.902 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.141 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

Tgt Ion: 75 Resp: 15466

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 8.1   | 17.1  | 51.2# |
| 77  | 0.0   | 24.6  | 36.8# |

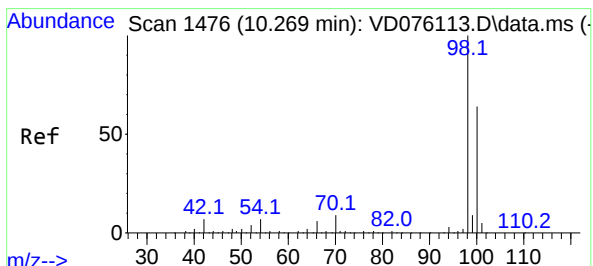
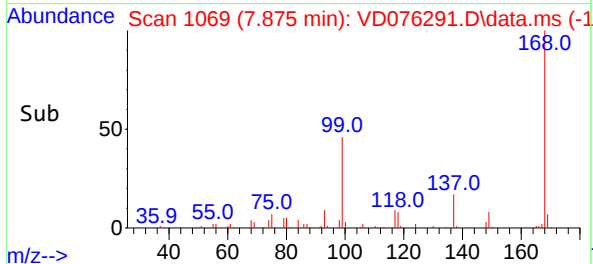
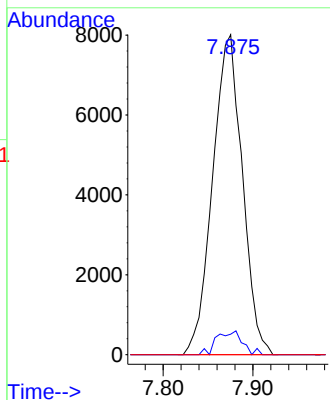
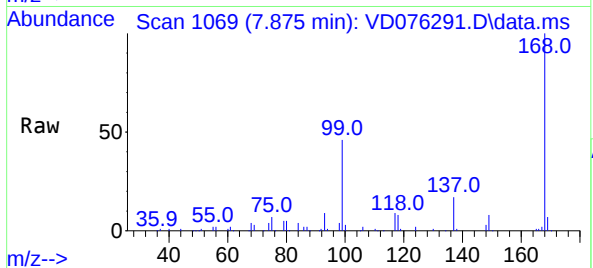




#38  
Carbon Tetrachloride  
Concen: 5.142 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.118 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

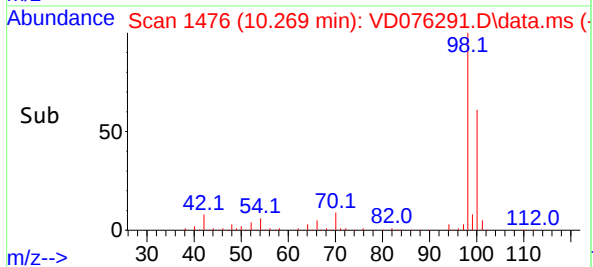
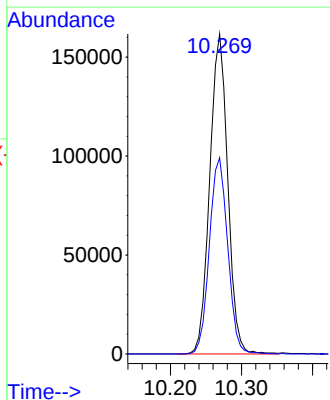
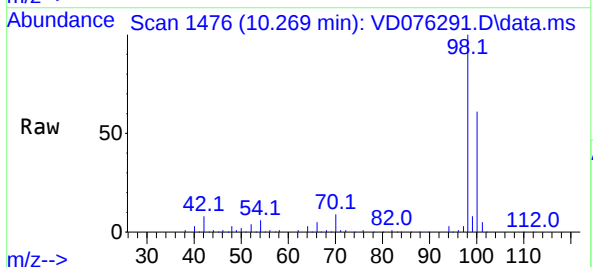
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

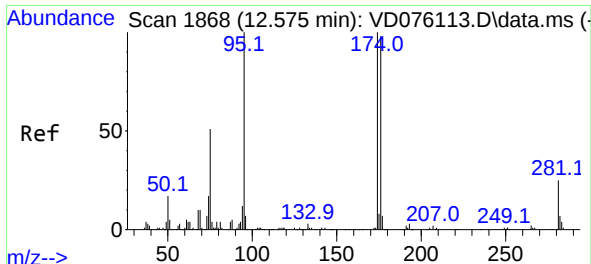
Tgt Ion:117 Resp: 18409  
Ion Ratio Lower Upper  
117 100  
119 6.4 74.7 112.1#  
121 0.0 25.9 38.9#



#50  
Toluene-d8  
Concen: 24.853 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

Tgt Ion: 98 Resp: 284314  
Ion Ratio Lower Upper  
98 100  
100 62.5 52.1 78.1

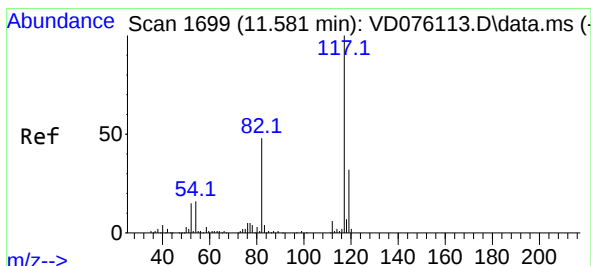
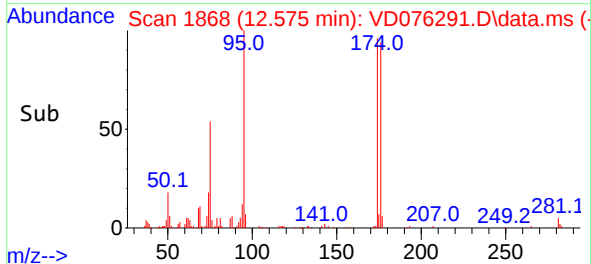
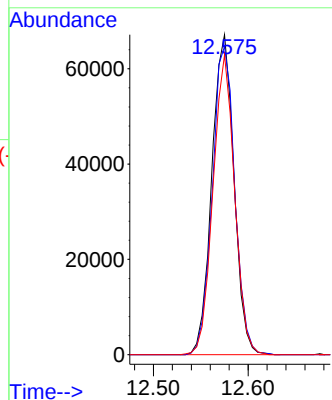
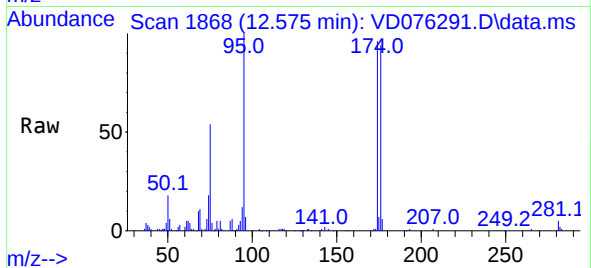




#62  
4-Bromofluorobenzene  
Concen: 34.225 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

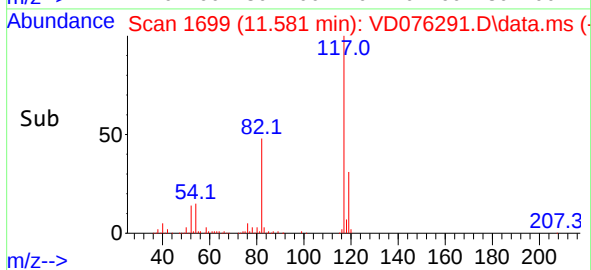
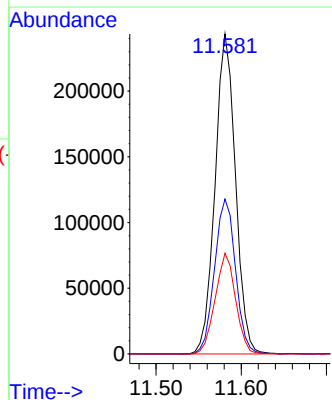
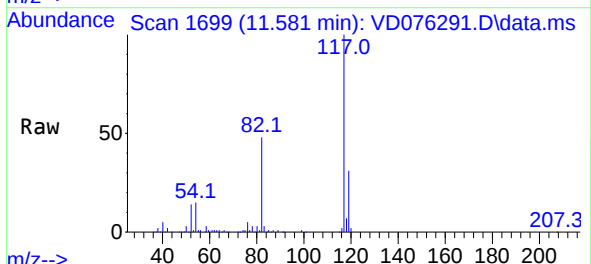
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

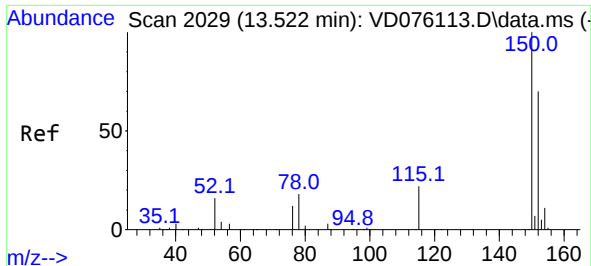
Tgt Ion: 95 Resp: 108759  
Ion Ratio Lower Upper  
95 100  
174 97.8 0.0 164.0  
176 91.5 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

Tgt Ion: 117 Resp: 405491  
Ion Ratio Lower Upper  
117 100  
82 48.4 44.0 66.0  
119 31.4 25.1 37.7

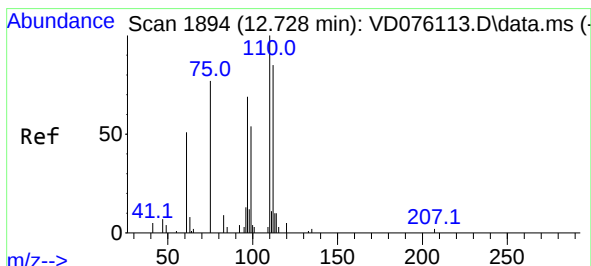
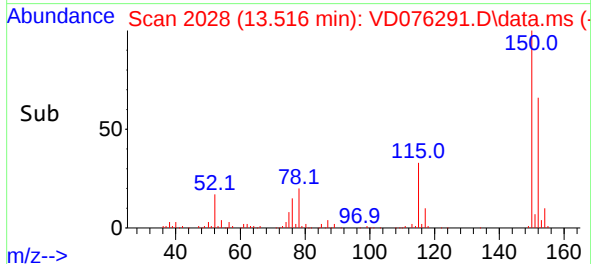
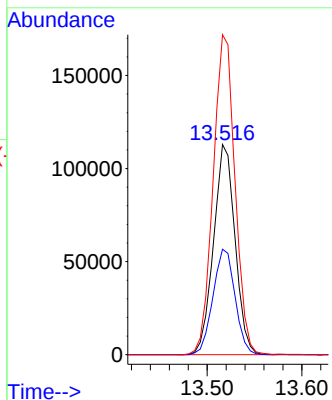
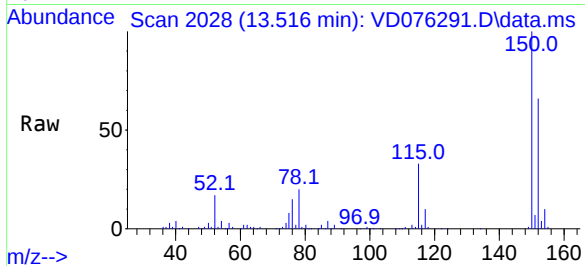




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

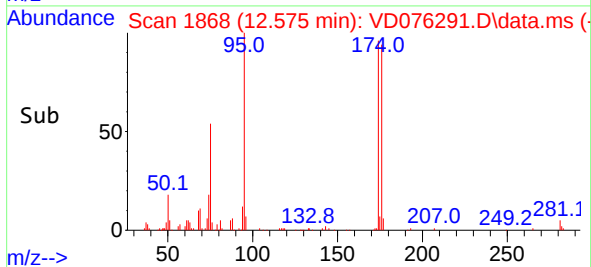
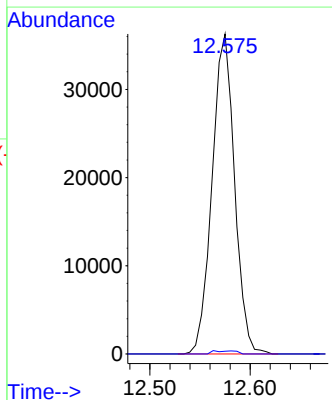
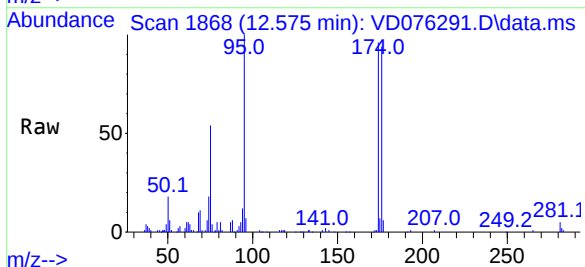
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

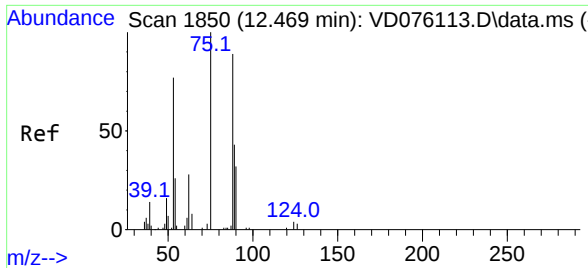
Tgt Ion:152 Resp: 178705  
Ion Ratio Lower Upper  
152 100  
115 51.5 30.1 90.3  
150 154.3 0.0 364.8



#76  
1,2,3-Trichloropropane  
Concen: 36.122 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.153 min  
Lab File: VD076291.D  
Acq: 31 May 2023 18:22

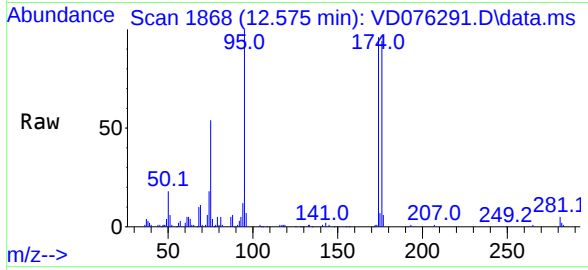
Tgt Ion: 75 Resp: 56489  
Ion Ratio Lower Upper  
75 100  
77 1.0 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 75.779 ug/l  
 RT: 12.575 min Scan# 11  
 Delta R.T. 0.100 min  
 Lab File: VD076291.D  
 Acq: 31 May 2023 18:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-2



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 56489  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 90.5  | 135.7# |
| 89       | 0.2   | 40.2  | 60.4#  |

