

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042423\  
 Data File : VD075792.D  
 Acq On : 24 Apr 2023 13:30  
 Operator : KP/SY  
 Sample : 02426-01RE  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-3-041923

Quant Time: Apr 24 16:08:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:16:29 2023  
 Response via : Initial Calibration

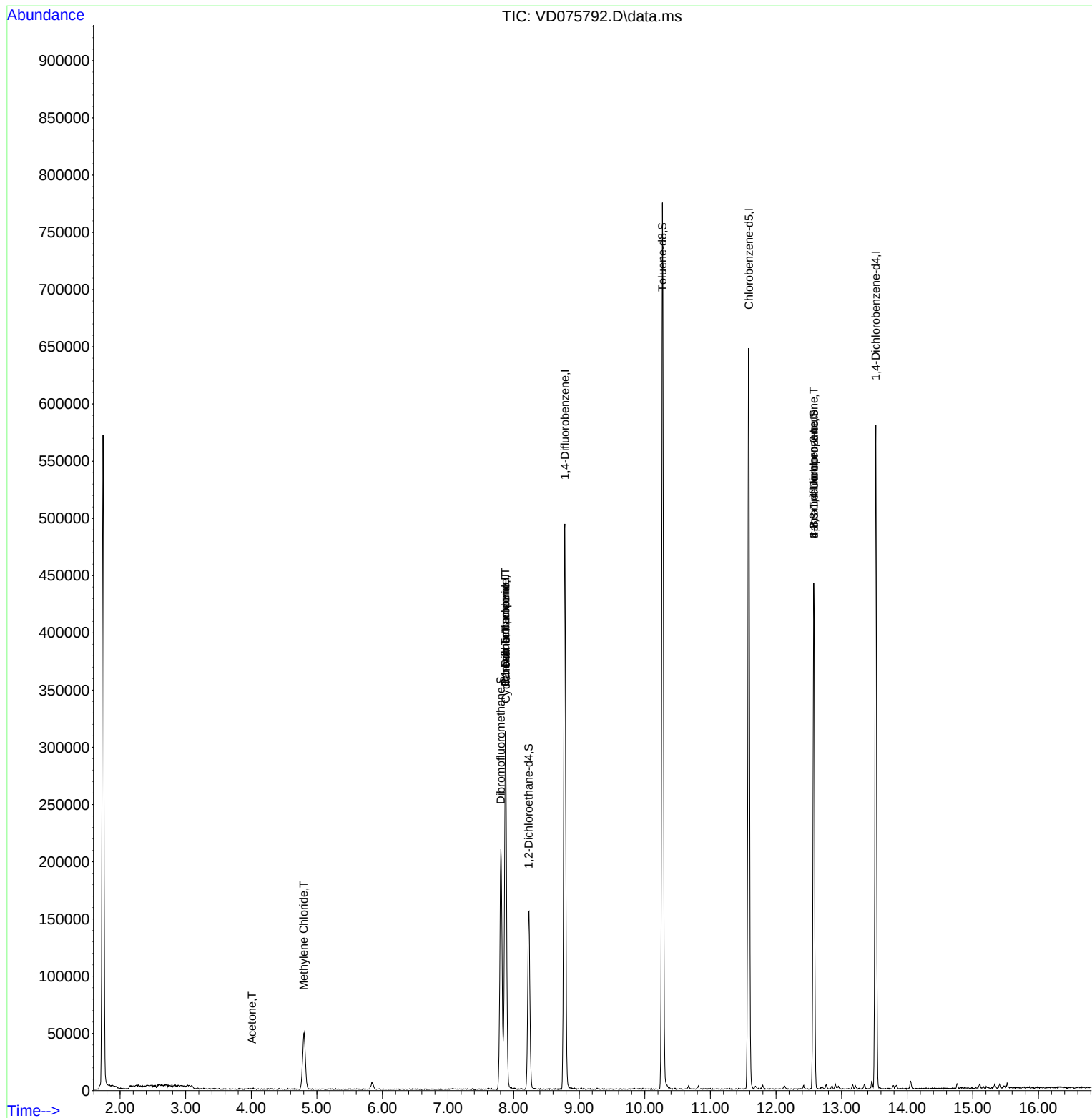
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 258299   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781  | 114   | 493316   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.587 | 117   | 430352   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 170518   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 120880   | 49.303   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 98.600%  |
| 35) Dibromofluoromethane      | 7.805  | 113   | 156582   | 47.191   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 94.380%  |
| 50) Toluene-d8                | 10.269 | 98    | 576428   | 43.382   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 86.760%  |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 140322   | 39.732   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 79.460%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 4.011  | 43    | 761      | 1.694    | ug/l # | 67       |
| 20) Methylene Chloride        | 4.799  | 84    | 42523    | 8.401    | ug/l # | 70       |
| 31) Cyclohexane               | 7.881  | 56    | 4476     | 1.163    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 18230    | 3.983    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 23133    | 5.739    | ug/l # | 19       |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 67129    | 48.275   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 67129    | 104.631  | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

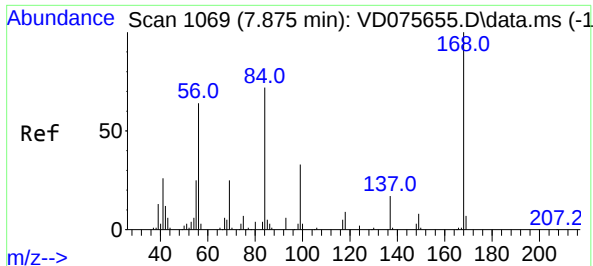
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042423\  
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MSVOA\_D  
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Quant Time: Apr 24 16:08:54 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 13 14:16:29 2023  
Response via : Initial Calibration

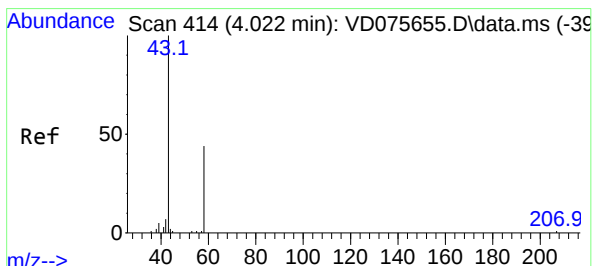
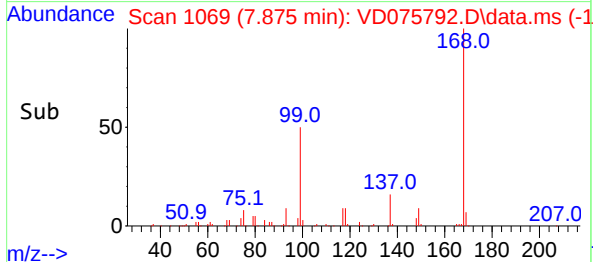
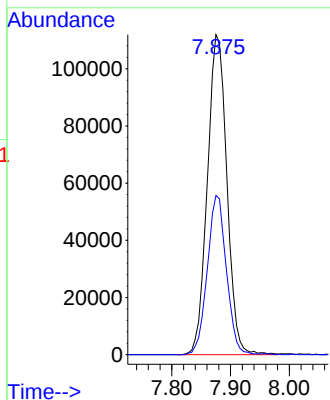
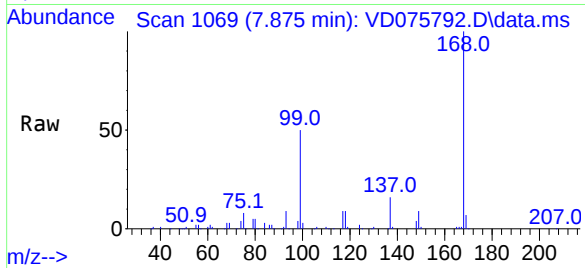




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075792.D  
Acq: 24 Apr 2023 13:30

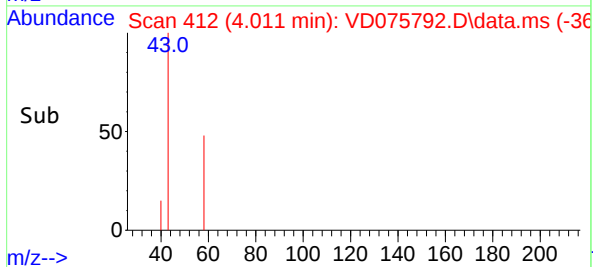
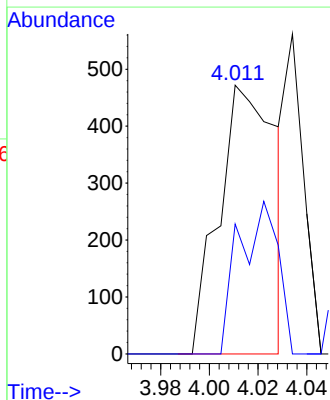
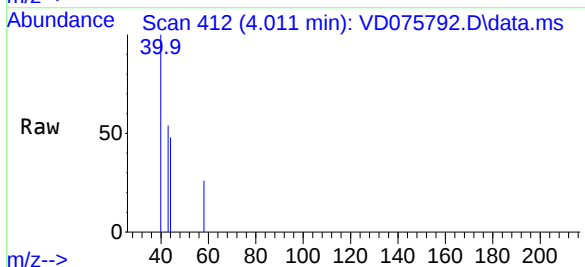
Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-3-041923

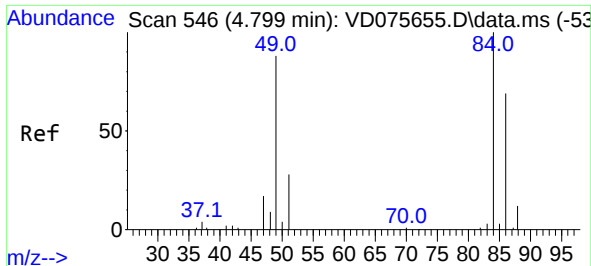
Tgt Ion:168 Resp: 258299  
Ion Ratio Lower Upper  
168 100  
99 49.7 43.8 65.6



#16  
Acetone  
Concen: 1.694 ug/l  
RT: 4.011 min Scan# 412  
Delta R.T. -0.011 min  
Lab File: VD075792.D  
Acq: 24 Apr 2023 13:30

Tgt Ion: 43 Resp: 761  
Ion Ratio Lower Upper  
43 100  
58 48.3 24.4 36.6#



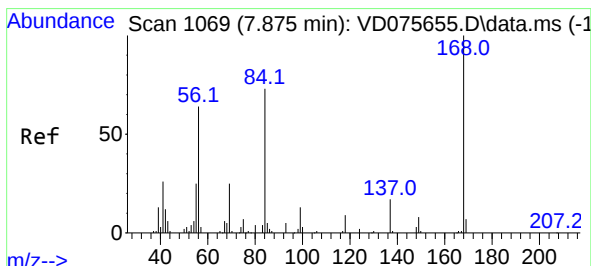
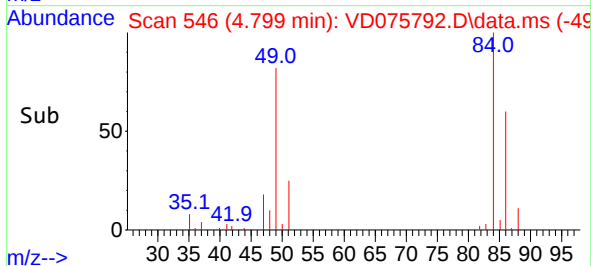
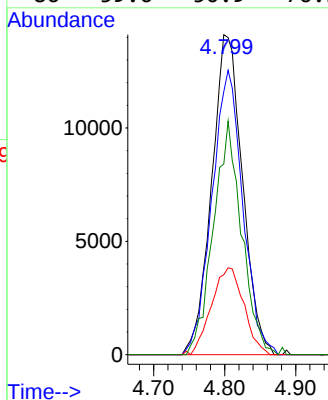
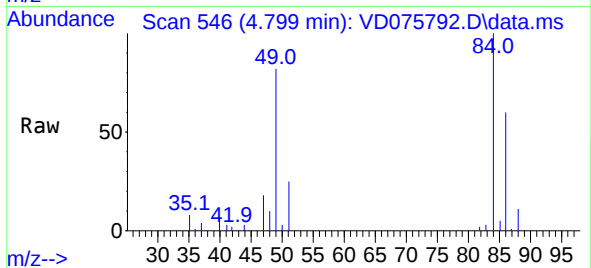


#20  
Methylene Chloride  
Concen: 8.401 ug/l  
RT: 4.799 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VD075792.D  
Acq: 24 Apr 2023 13:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-3-041923

Tgt Ion: 84 Resp: 42523

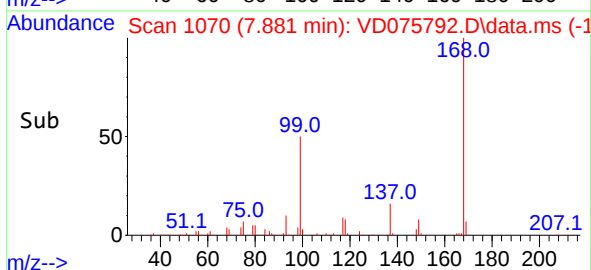
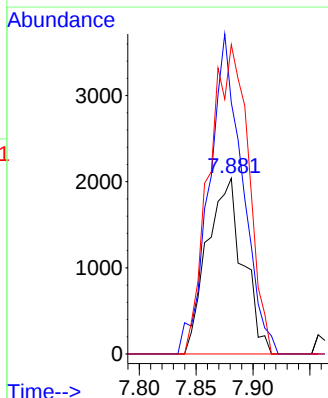
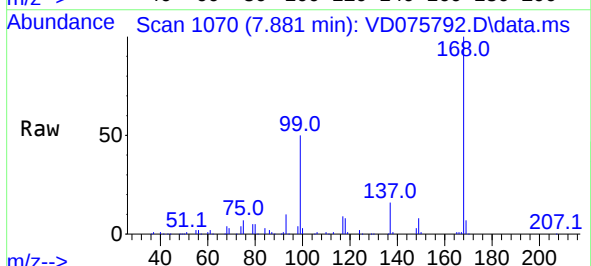
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 82.2  | 106.4 | 159.6# |
| 51  | 25.0  | 32.4  | 48.6#  |
| 86  | 59.6  | 50.9  | 76.3   |

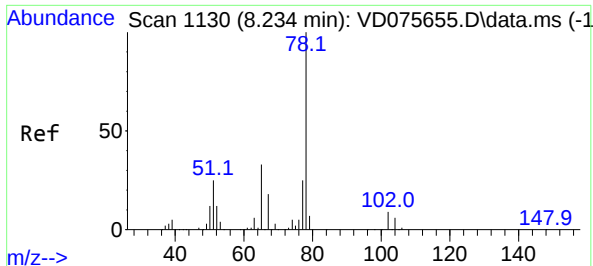


#31  
Cyclohexane  
Concen: 1.163 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. 0.006 min  
Lab File: VD075792.D  
Acq: 24 Apr 2023 13:30

Tgt Ion: 56 Resp: 4476

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 142.9 | 25.5  | 38.3#  |
| 84  | 176.0 | 69.6  | 104.4# |





#33

1,2-Dichloroethane-d4

Concen: 49.303 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075792.D

Acq: 24 Apr 2023 13:30

Instrument :

MSVOA\_D

ClientSampleId :

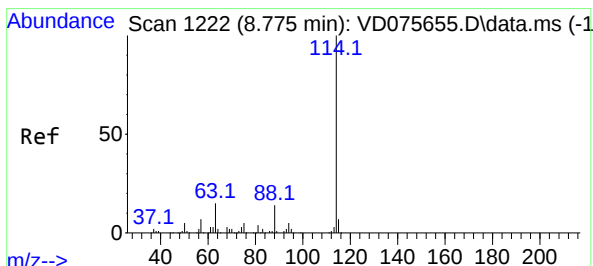
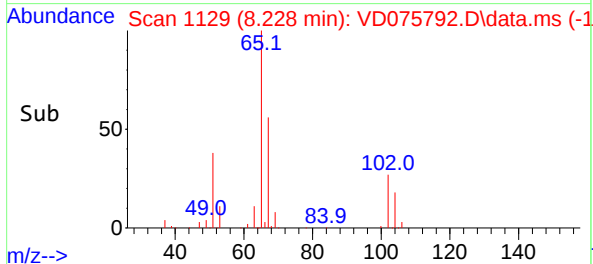
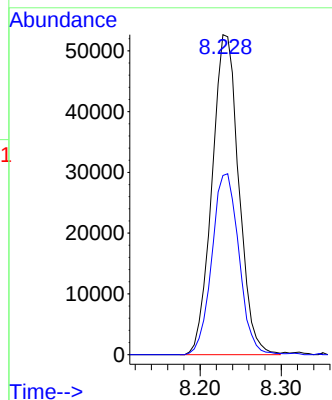
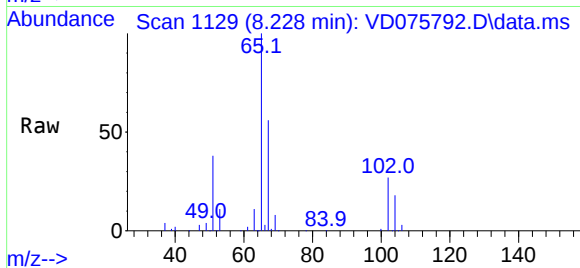
EO-3-041923

Tgt Ion: 65 Resp: 120880

Ion Ratio Lower Upper

65 100

67 57.0 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075792.D

Acq: 24 Apr 2023 13:30

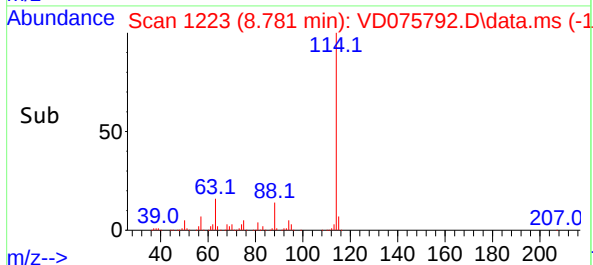
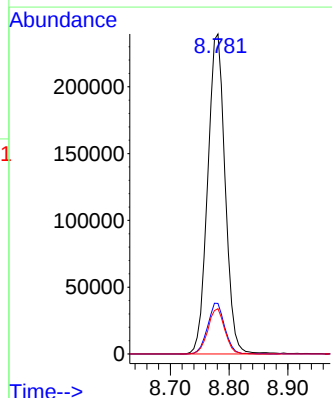
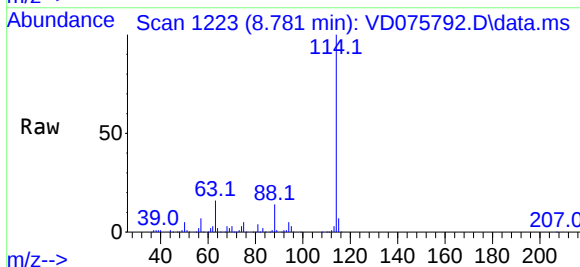
Tgt Ion: 114 Resp: 493316

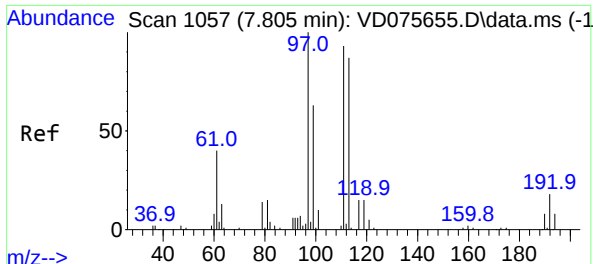
Ion Ratio Lower Upper

114 100

63 15.8 0.0 41.6

88 14.2 0.0 30.6



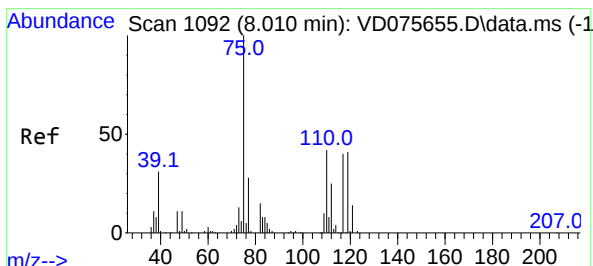
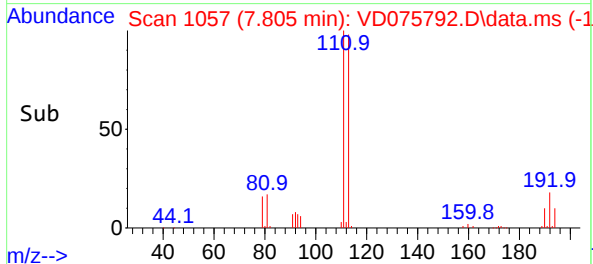
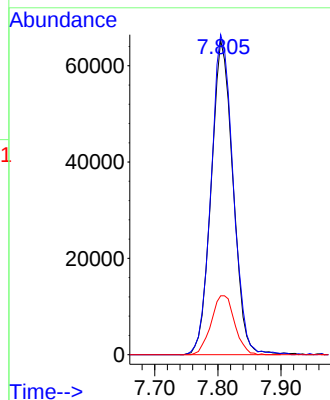
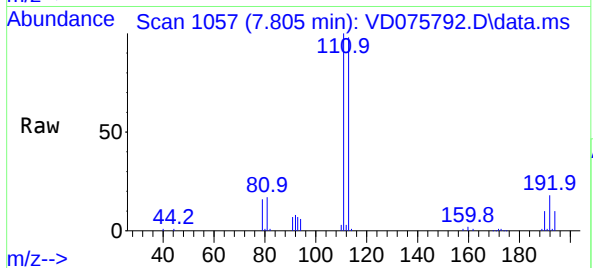


#35  
 Dibromofluoromethane  
 Concen: 47.191 ug/l  
 RT: 7.805 min Scan# 1057  
 Delta R.T. -0.000 min  
 Lab File: VD075792.D  
 Acq: 24 Apr 2023 13:30

Instrument : MSVOA\_D  
 ClientSampleId : EO-3-041923

Tgt Ion: 113 Resp: 156582

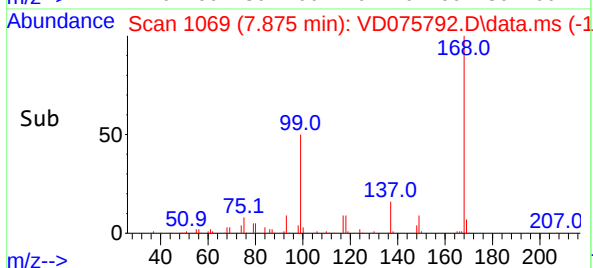
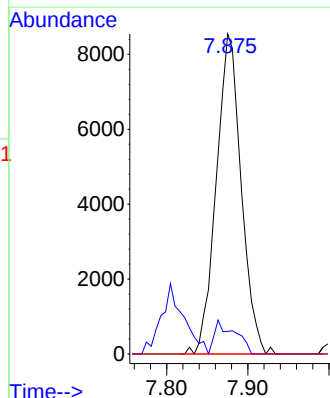
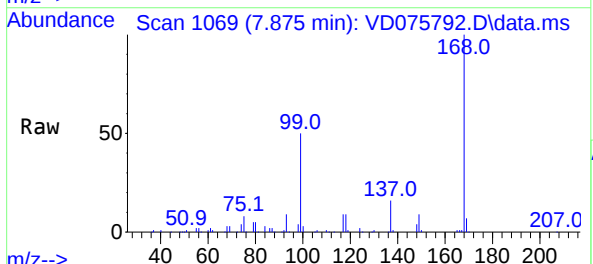
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.1 | 81.4  | 122.0 |
| 192 | 20.2  | 15.2  | 22.8  |

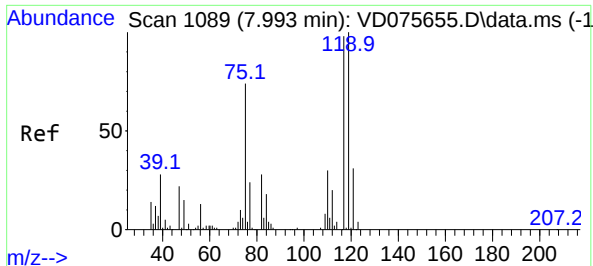


#36  
 1,1-Dichloropropene  
 Concen: 3.983 ug/l  
 RT: 7.875 min Scan# 1069  
 Delta R.T. -0.135 min  
 Lab File: VD075792.D  
 Acq: 24 Apr 2023 13:30

Tgt Ion: 75 Resp: 18230

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 8.7   | 17.1  | 51.2# |
| 77  | 0.0   | 24.6  | 36.8# |

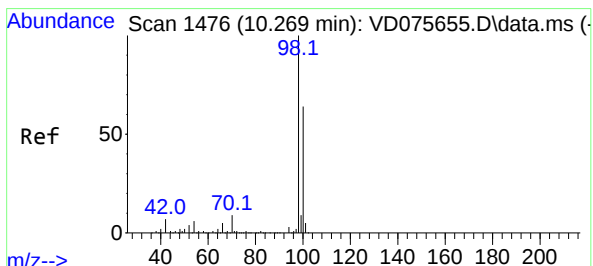
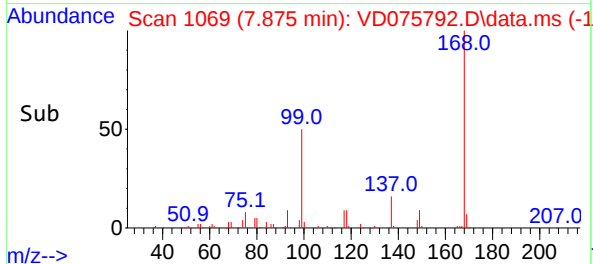
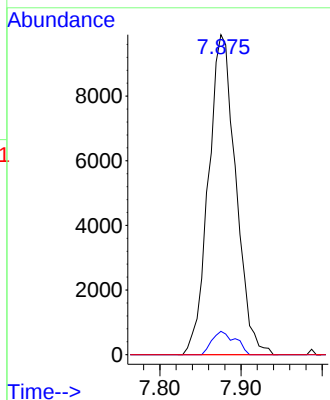
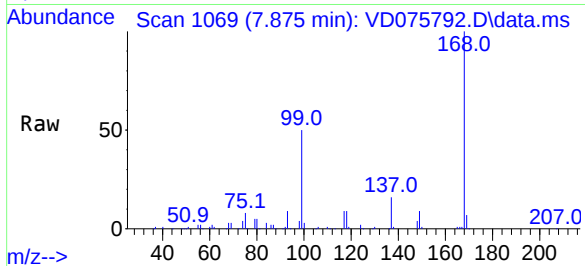




#38  
Carbon Tetrachloride  
Concen: 5.739 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.118 min  
Lab File: VD075792.D  
Acq: 24 Apr 2023 13:30

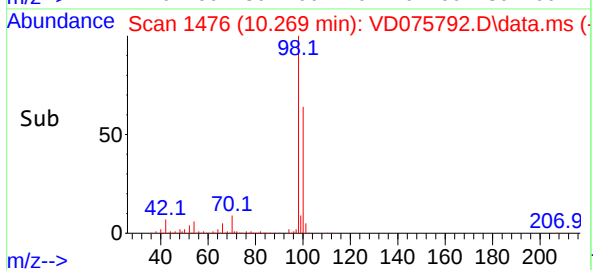
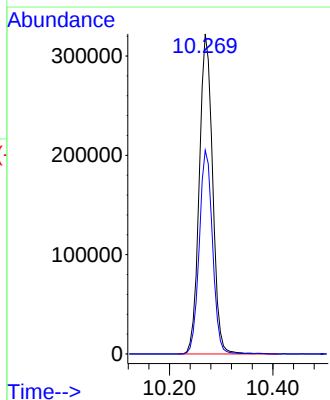
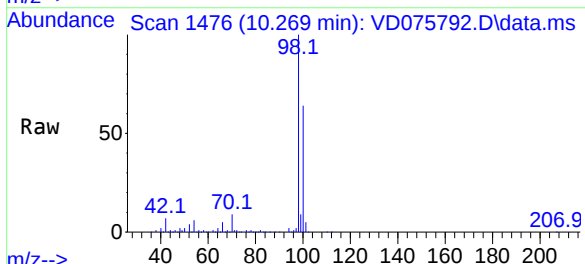
Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-3-041923

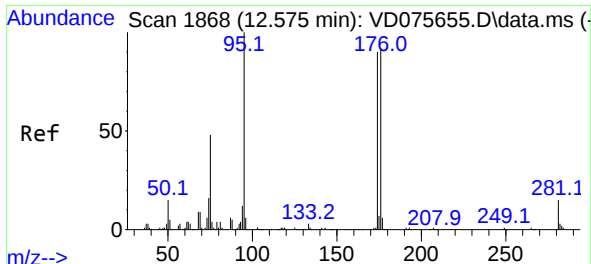
Tgt Ion:117 Resp: 23133  
Ion Ratio Lower Upper  
117 100  
119 7.3 74.7 112.1#  
121 0.0 25.9 38.9#



#50  
Toluene-d8  
Concen: 43.382 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD075792.D  
Acq: 24 Apr 2023 13:30

Tgt Ion: 98 Resp: 576428  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.1 78.1

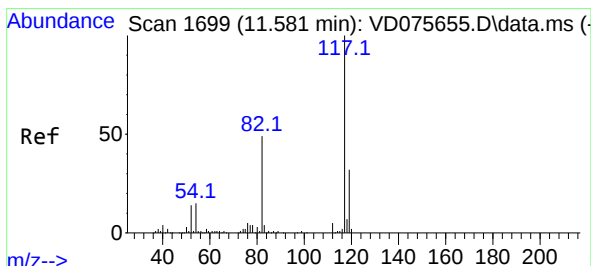
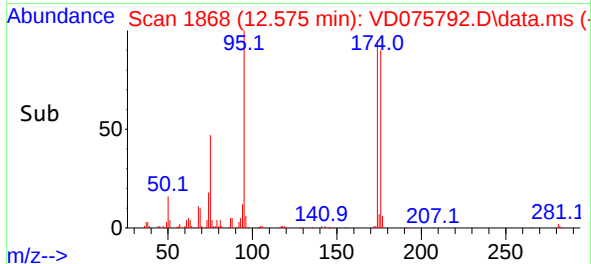
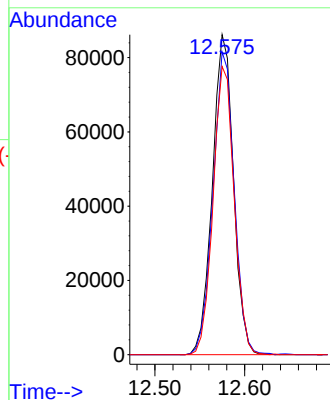
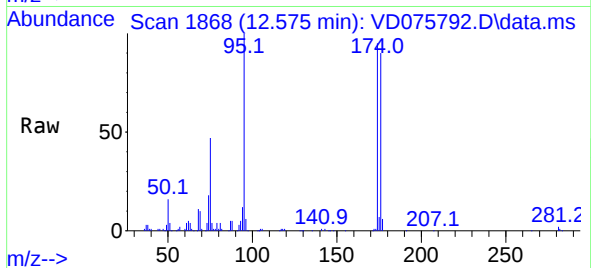




#62  
4-Bromofluorobenzene  
Concen: 39.732 ug/l  
RT: 12.575 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075792.D  
Acq: 24 Apr 2023 13:30

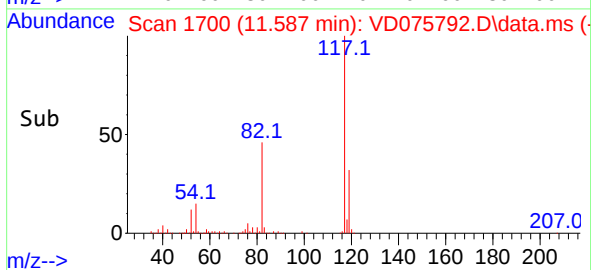
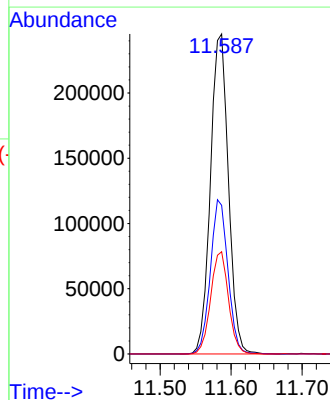
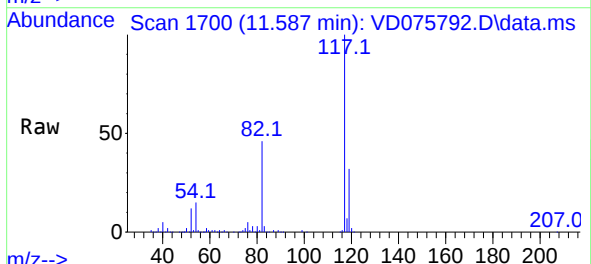
Instrument :  
MSVOA\_D  
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EO-3-041923

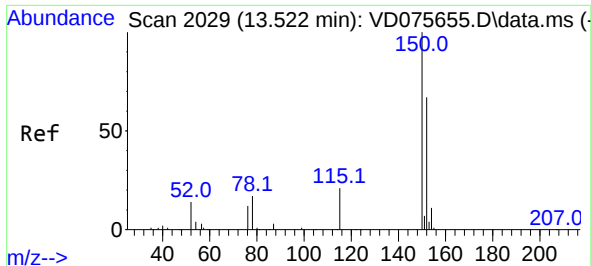
Tgt Ion: 95 Resp: 140322  
Ion Ratio Lower Upper  
95 100  
174 95.1 0.0 164.0  
176 90.1 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.587 min Scan# 1700  
Delta R.T. 0.006 min  
Lab File: VD075792.D  
Acq: 24 Apr 2023 13:30

Tgt Ion: 117 Resp: 430352  
Ion Ratio Lower Upper  
117 100  
82 46.4 44.0 66.0  
119 32.0 25.1 37.7

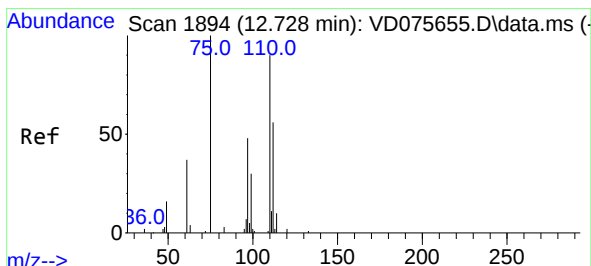
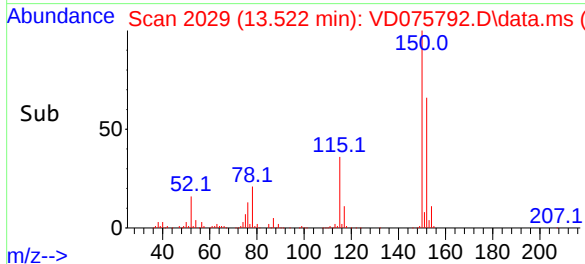
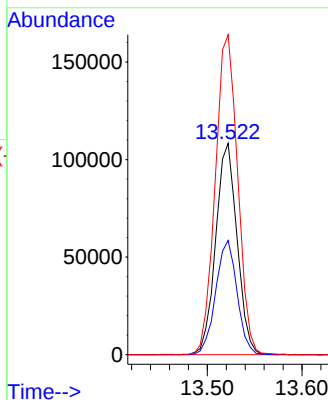
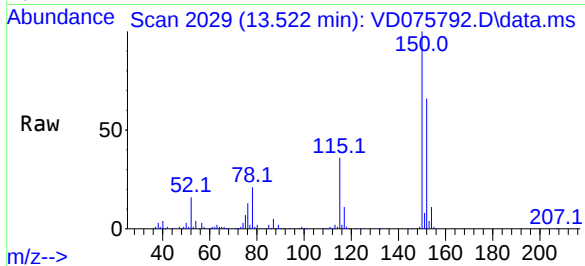




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.522 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VD075792.D  
 Acq: 24 Apr 2023 13:30

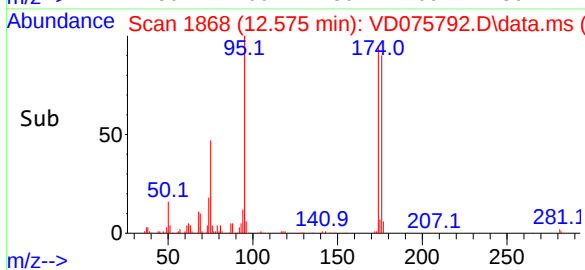
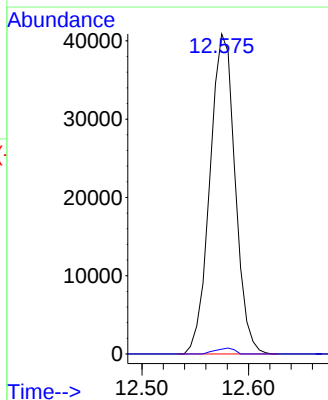
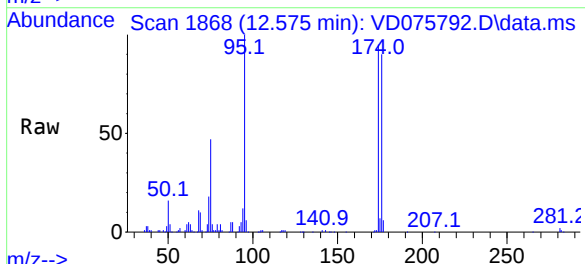
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-3-041923

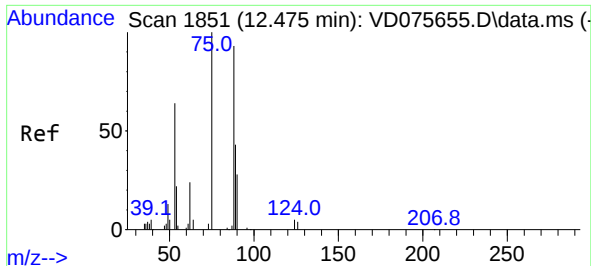
Tgt Ion:152 Resp: 170518  
 Ion Ratio Lower Upper  
 152 100  
 115 53.9 30.1 90.3  
 150 158.5 0.0 364.8



#76  
 1,2,3-Trichloropropane  
 Concen: 48.275 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. -0.153 min  
 Lab File: VD075792.D  
 Acq: 24 Apr 2023 13:30

Tgt Ion: 75 Resp: 67129  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 104.631 ug/l  
RT: 12.575 min Scan# 11  
Delta R.T. 0.100 min  
Lab File: VD075792.D  
Acq: 24 Apr 2023 13:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-3-041923

Tgt Ion: 75 Resp: 67129  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 40.2 60.4#

