

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062123\  
 Data File : VD076506.D  
 Acq On : 21 Jun 2023 11:53  
 Operator : KP/SY  
 Sample : VD0621SBL01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0621SBL01

Quant Time: Jun 22 01:55:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

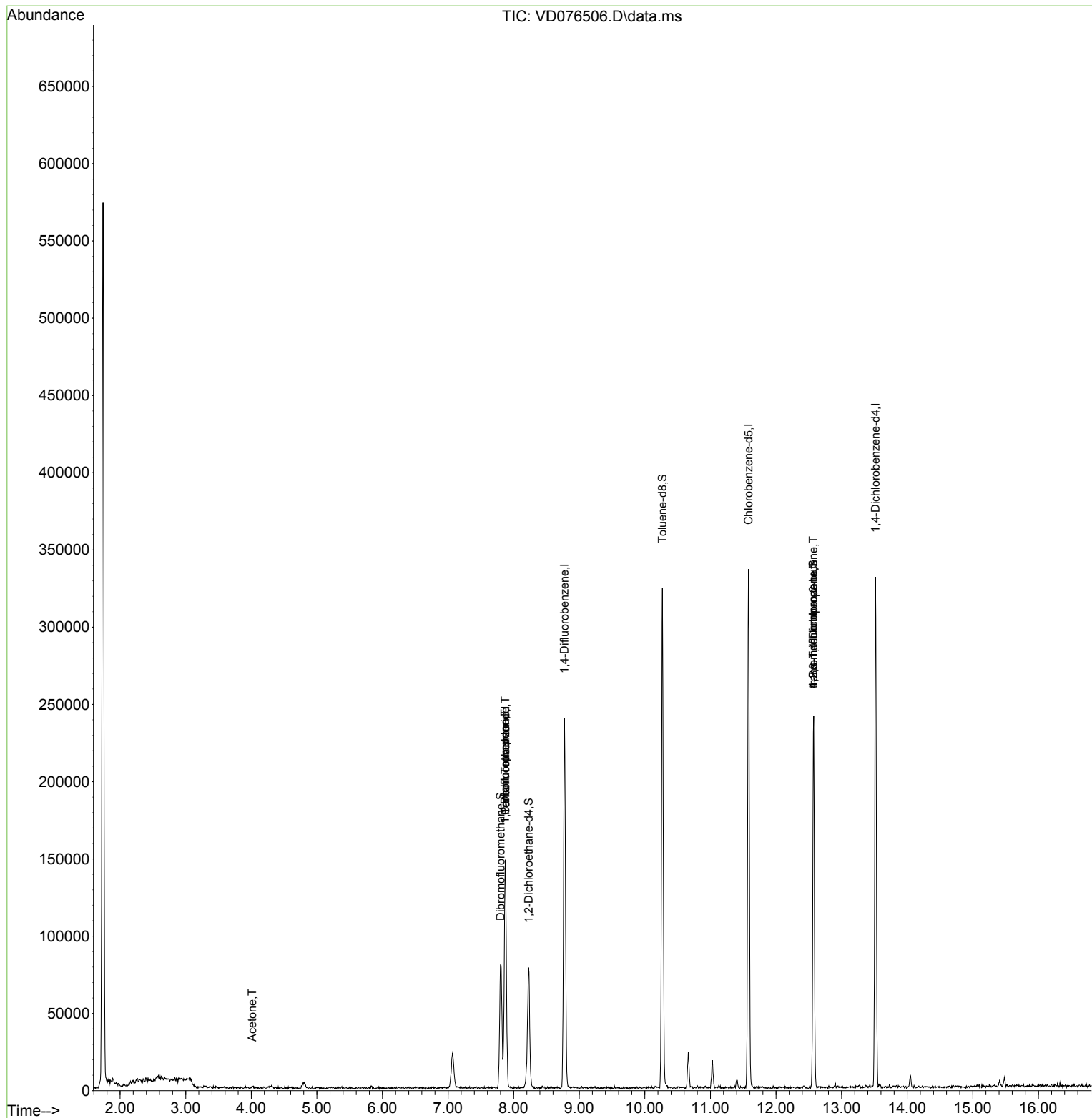
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.875          | 168  | 113985     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775          | 114  | 206796     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581         | 117  | 189129     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516         | 152  | 84638      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228          | 65   | 54897      | 48.070    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 96.140%   |        |          |
| 35) Dibromofluoromethane      | 7.799          | 113  | 59257      | 48.235    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 96.460%   |        |          |
| 50) Toluene-d8                | 10.269         | 98   | 214954     | 46.137    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = | 92.280%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.569         | 95   | 67282      | 44.497    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = | 89.000%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 16) Acetone                   | 4.016          | 43   | 663        | 2.440     | ug/l # | 80       |
| 20) Methylene Chloride        | 4.805          | 84   | 2250       | Below Cal | #      | 60       |
| 28) Bromochloromethane        | 7.569          | 49   | 59         | Below Cal | #      | 1        |
| 36) 1,1-Dichloropropene       | 7.869          | 75   | 9328       | 5.422     | ug/l # | 44       |
| 38) Carbon Tetrachloride      | 7.875          | 117  | 11992      | 7.799     | ug/l # | 19       |
| 76) 1,2,3-Trichloropropane    | 12.569         | 75   | 35382      | 42.121    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.569         | 75   | 35382      | 92.296    | ug/l # | 17       |
| -----                         |                |      |            |           |        |          |

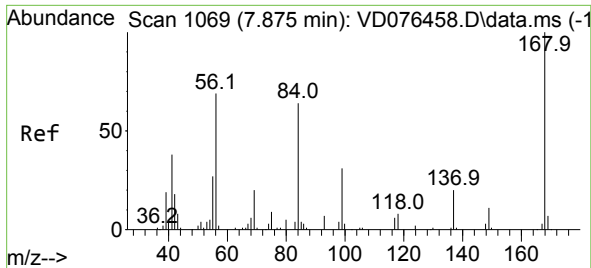
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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VD0621SBL01

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QLast Update : Mon Jun 19 04:51:45 2023  
Response via : Initial Calibration

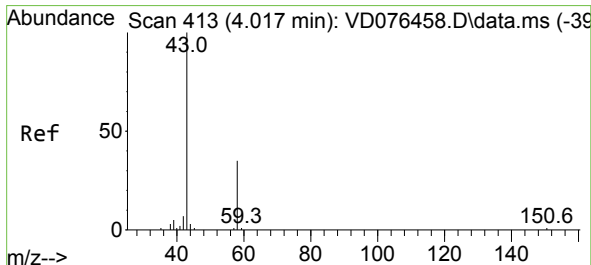
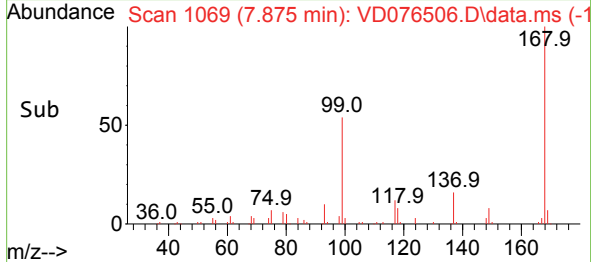
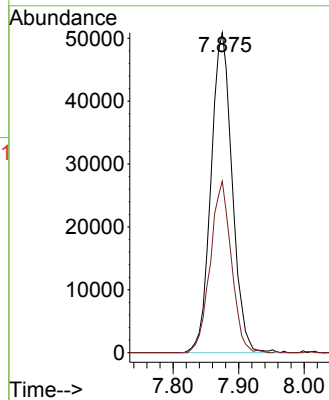
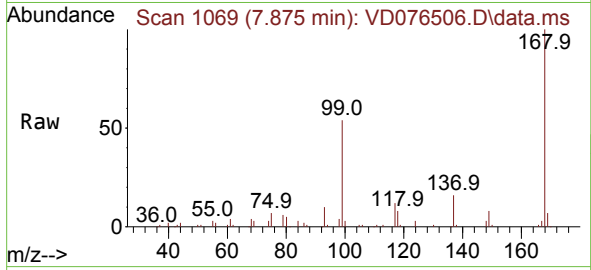




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076506.D  
Acq: 21 Jun 2023 11:53

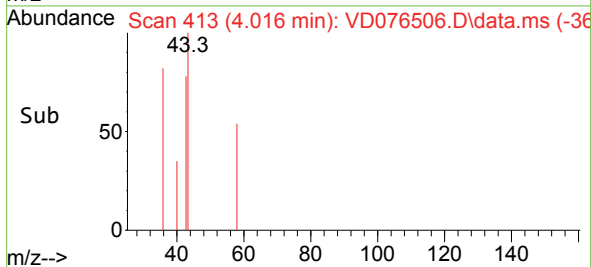
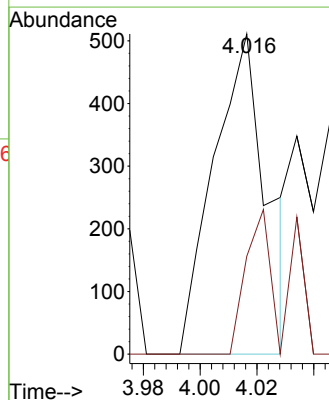
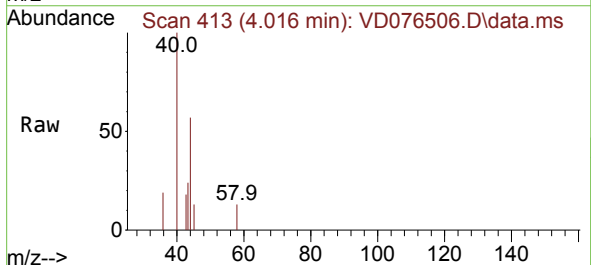
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBL01

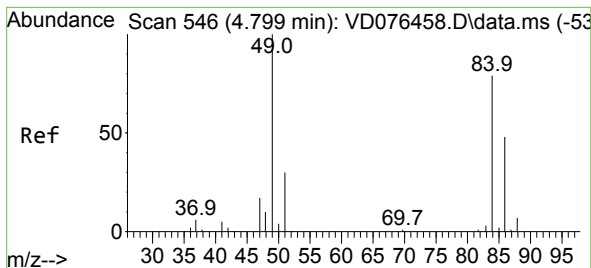
Tgt Ion:168 Resp: 113985  
Ion Ratio Lower Upper  
168 100  
99 53.6 36.7 55.1



#16  
Acetone  
Concen: 2.440 ug/l  
RT: 4.016 min Scan# 413  
Delta R.T. -0.000 min  
Lab File: VD076506.D  
Acq: 21 Jun 2023 11:53

Tgt Ion: 43 Resp: 663  
Ion Ratio Lower Upper  
43 100  
58 30.5 34.7 52.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 54

Delta R.T. 0.006 min

Lab File: VD076506.D

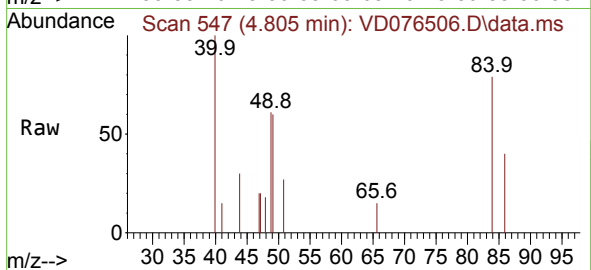
Acq: 21 Jun 2023 11:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBL01



Tgt Ion: 84 Resp: 2250

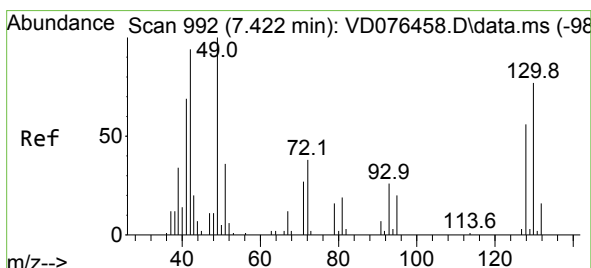
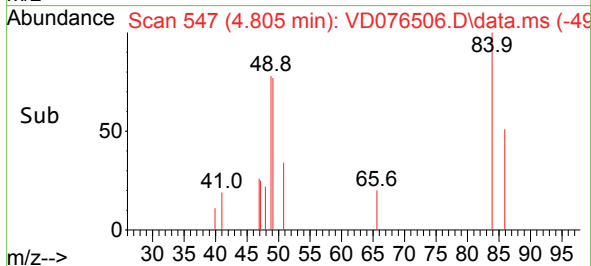
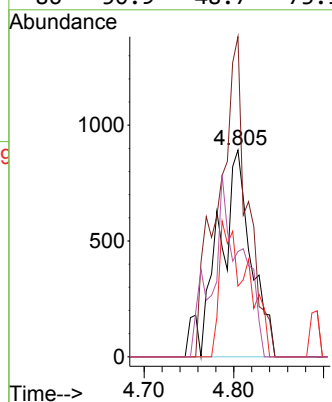
Ion Ratio Lower Upper

84 100

49 154.9 71.4 107.2#

51 34.2 24.5 36.7

86 50.9 48.7 73.1



#28

Bromochloromethane

Concen: Below Cal

RT: 7.569 min Scan# 1017

Delta R.T. 0.147 min

Lab File: VD076506.D

Acq: 21 Jun 2023 11:53

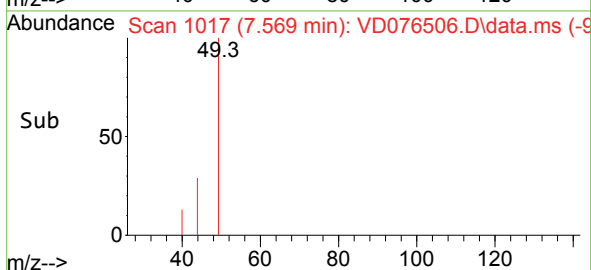
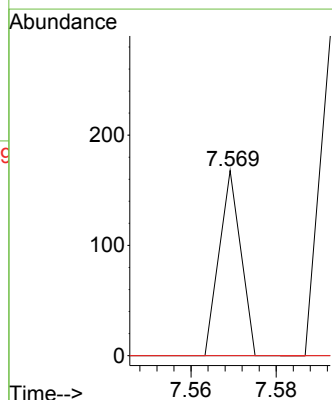
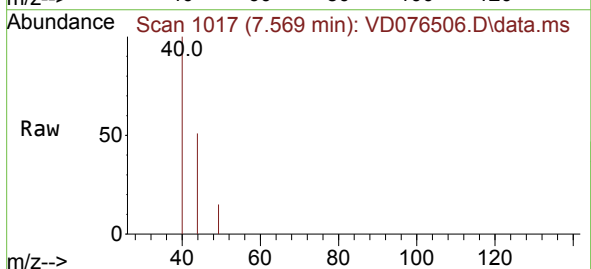
Tgt Ion: 49 Resp: 59

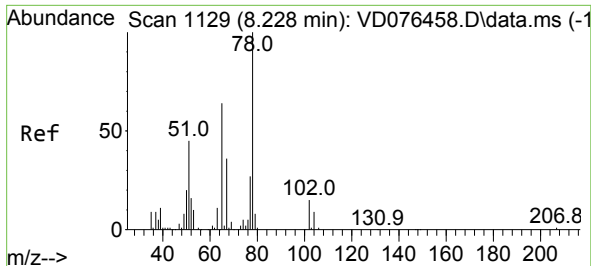
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#

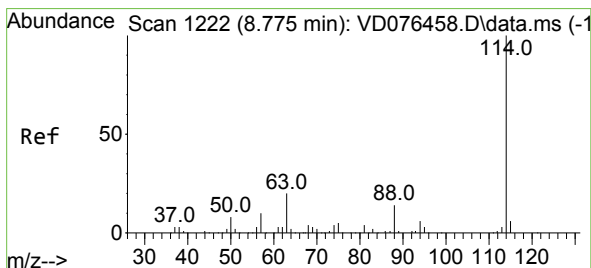
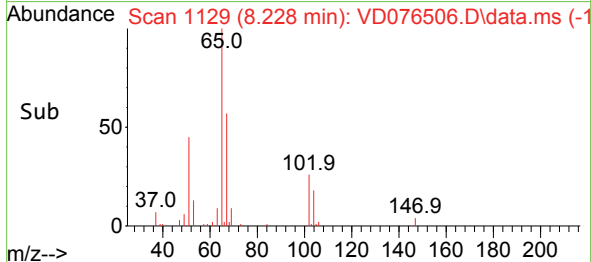
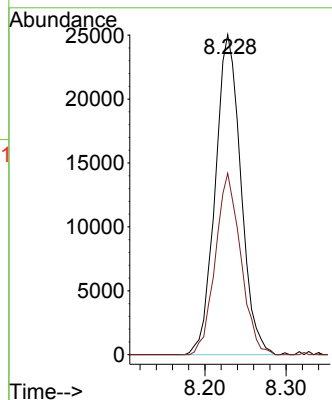
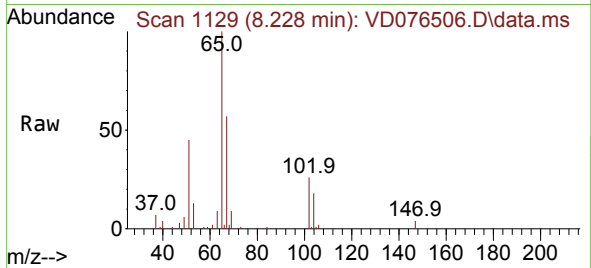




#33  
1,2-Dichloroethane-d4  
Concen: 48.070 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD076506.D  
Acq: 21 Jun 2023 11:53

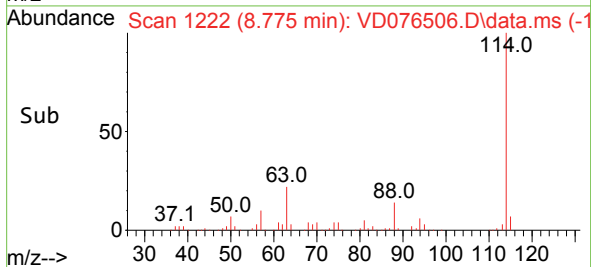
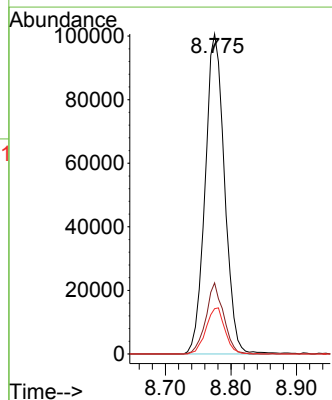
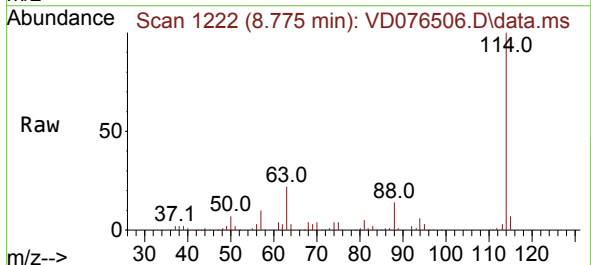
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBL01

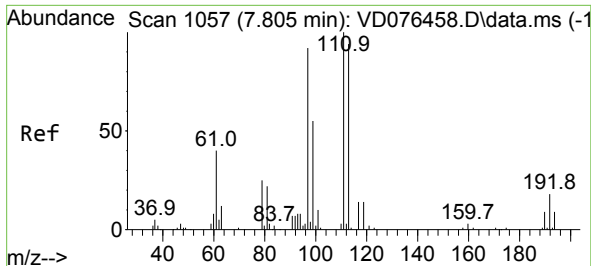
Tgt Ion: 65 Resp: 54897  
Ion Ratio Lower Upper  
65 100  
67 56.2 0.0 115.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VD076506.D  
Acq: 21 Jun 2023 11:53

Tgt Ion:114 Resp: 206796  
Ion Ratio Lower Upper  
114 100  
63 22.2 0.0 33.4  
88 14.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 48.235 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076506.D

Acq: 21 Jun 2023 11:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBL01

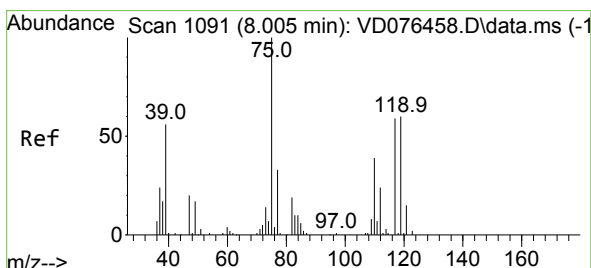
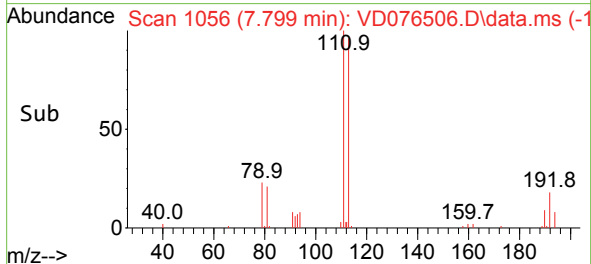
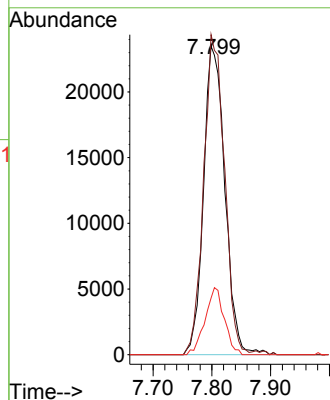
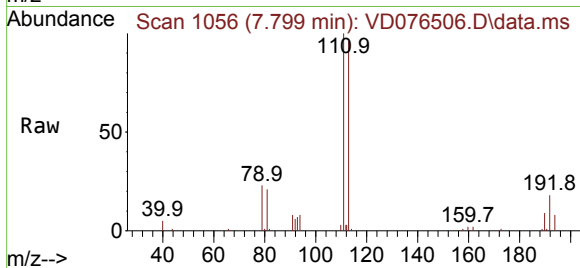
Tgt Ion:113 Resp: 59257

Ion Ratio Lower Upper

113 100

111 101.0 84.7 127.1

192 19.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.422 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD076506.D

Acq: 21 Jun 2023 11:53

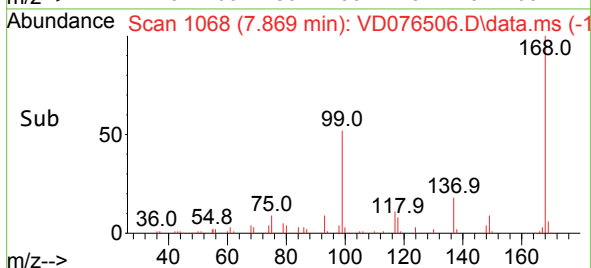
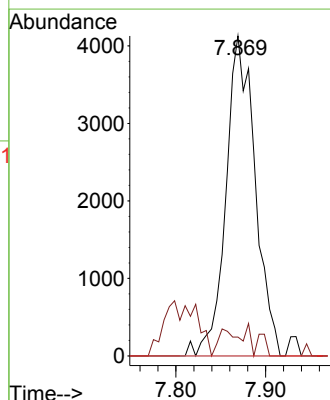
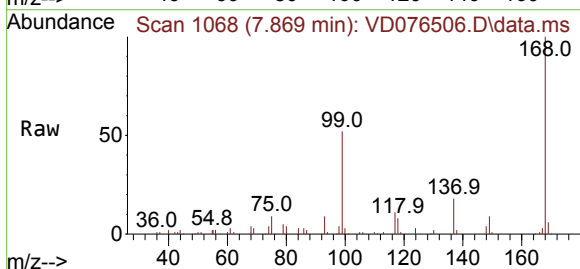
Tgt Ion: 75 Resp: 9328

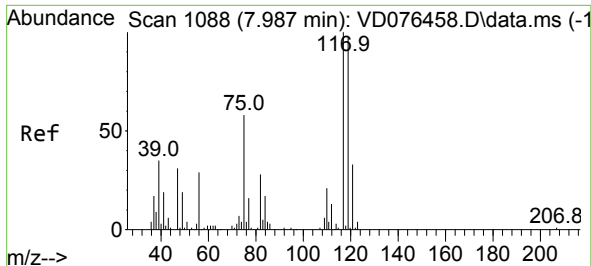
Ion Ratio Lower Upper

75 100

110 5.7 19.9 59.6#

77 0.0 24.7 37.1#

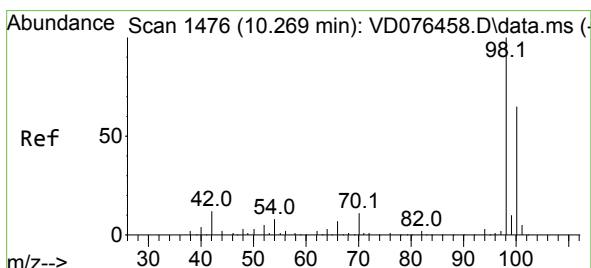
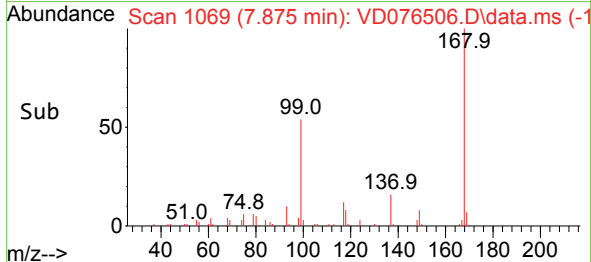
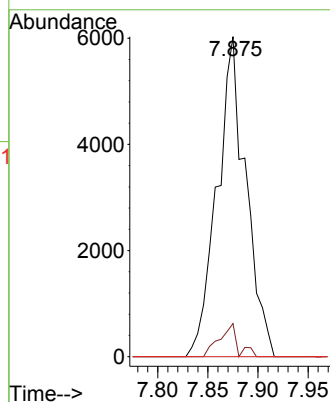
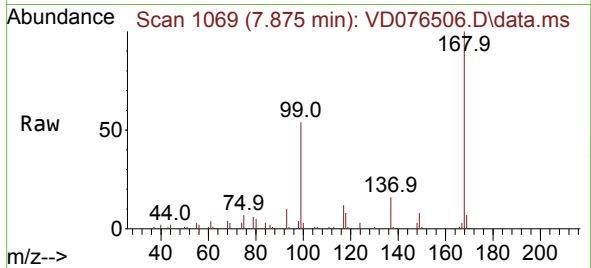




#38  
Carbon Tetrachloride  
Concen: 7.799 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.112 min  
Lab File: VD076506.D  
Acq: 21 Jun 2023 11:53

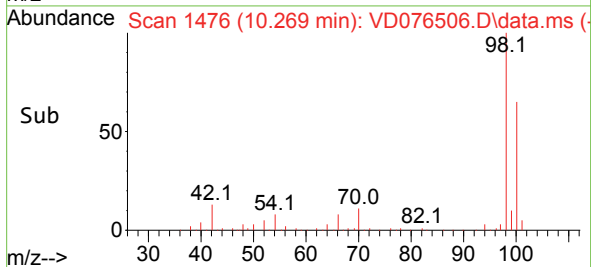
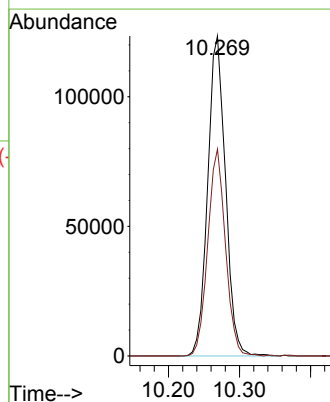
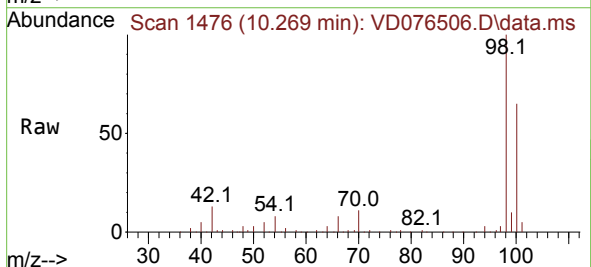
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBL01

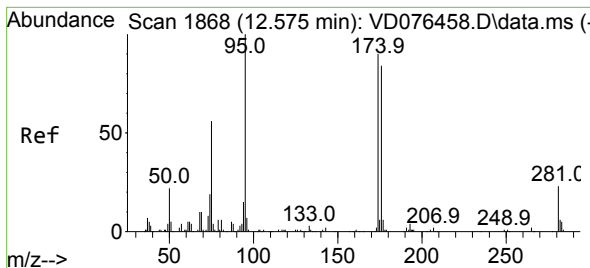
Tgt Ion:117 Resp: 11992  
Ion Ratio Lower Upper  
117 100  
119 10.3 78.0 117.0#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 46.137 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076506.D  
Acq: 21 Jun 2023 11:53

Tgt Ion: 98 Resp: 214954  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.3 75.5

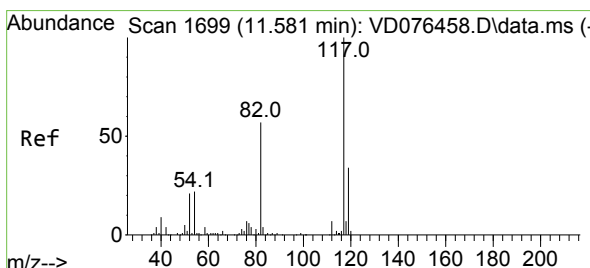
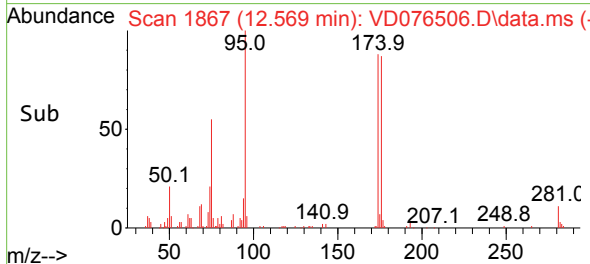
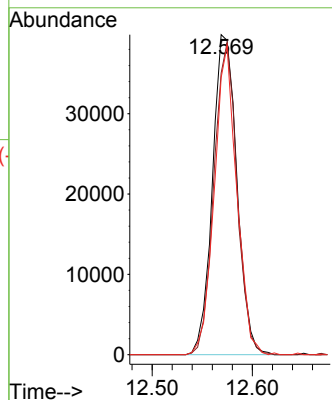
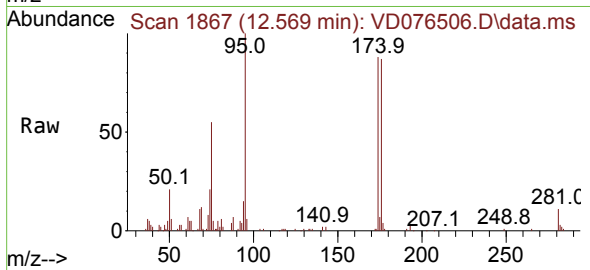




#62  
4-Bromofluorobenzene  
Concen: 44.497 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VD076506.D  
Acq: 21 Jun 2023 11:53

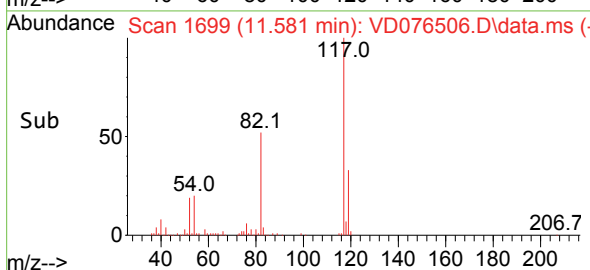
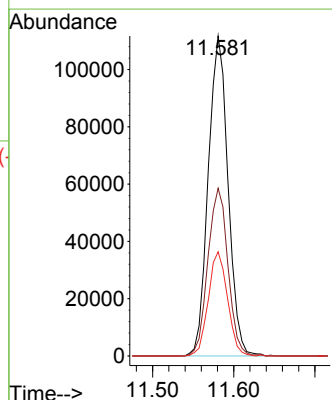
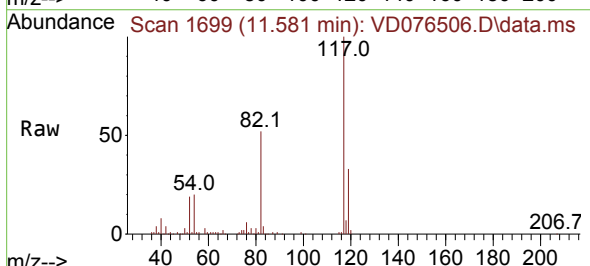
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBL01

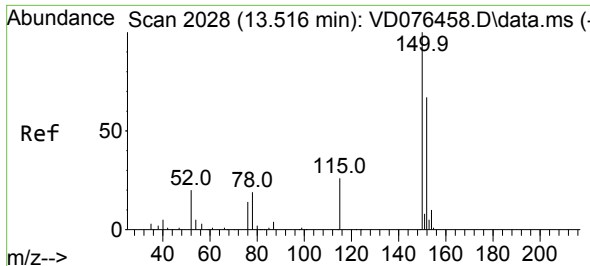
Tgt Ion: 95 Resp: 67282  
Ion Ratio Lower Upper  
95 100  
174 91.8 0.0 201.8  
176 88.6 0.0 191.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076506.D  
Acq: 21 Jun 2023 11:53

Tgt Ion: 117 Resp: 189129  
Ion Ratio Lower Upper  
117 100  
82 52.4 38.3 57.5  
119 32.6 25.0 37.4

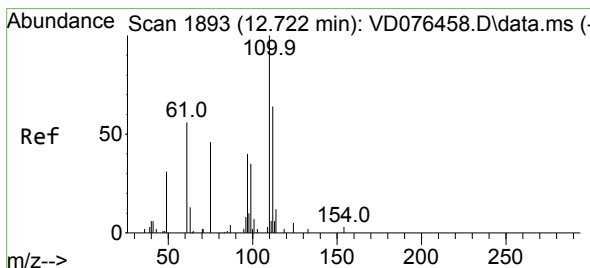
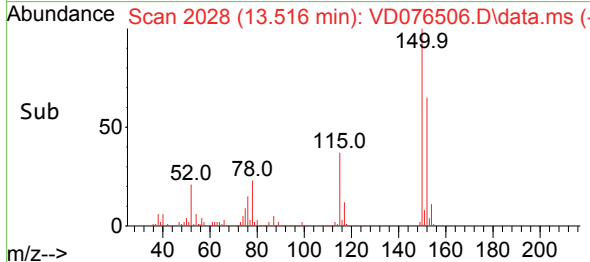
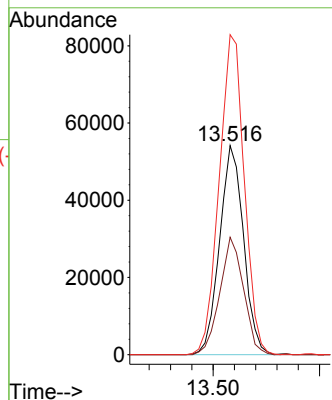
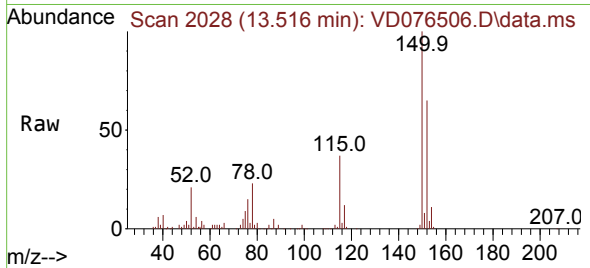




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 2028  
 Delta R.T. -0.000 min  
 Lab File: VD076506.D  
 Acq: 21 Jun 2023 11:53

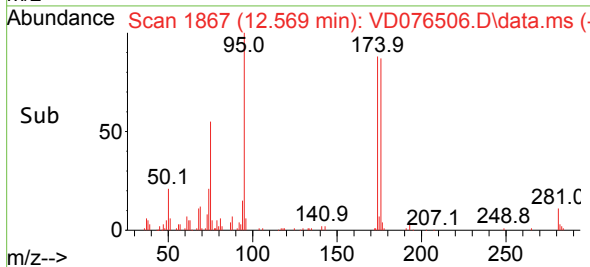
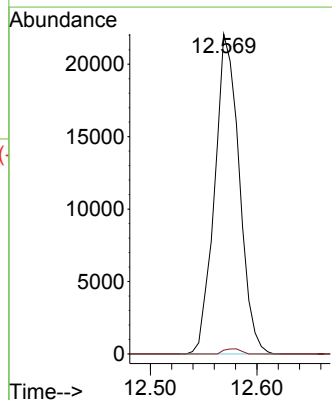
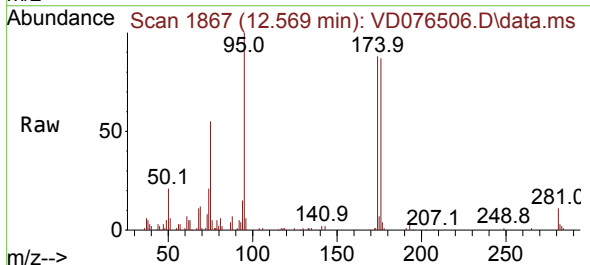
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0621SBL01

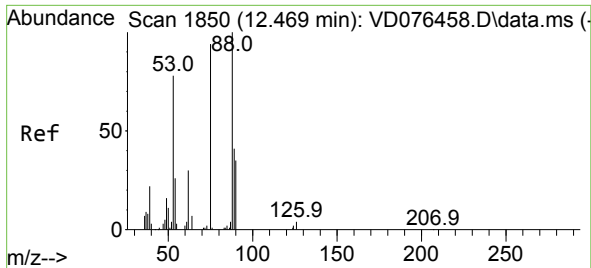
Tgt Ion:152 Resp: 84638  
 Ion Ratio Lower Upper  
 152 100  
 115 55.5 27.1 81.3  
 150 160.0 0.0 353.6



#76  
 1,2,3-Trichloropropane  
 Concen: 42.121 ug/l  
 RT: 12.569 min Scan# 1867  
 Delta R.T. -0.153 min  
 Lab File: VD076506.D  
 Acq: 21 Jun 2023 11:53

Tgt Ion: 75 Resp: 35382  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 92.296 ug/l  
 RT: 12.569 min Scan# 11  
 Delta R.T. 0.100 min  
 Lab File: VD076506.D  
 Acq: 21 Jun 2023 11:53

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0621SBL01

Tgt Ion: 75 Resp: 35382  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 63.0 94.4#  
 89 0.2 37.9 56.9#

