

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041624\  
 Data File : VD078828.D  
 Acq On : 16 Apr 2024 17:18  
 Operator : RP/MD  
 Sample : P2127-03  
 Misc : 4.48G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Apr 16 22:35:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

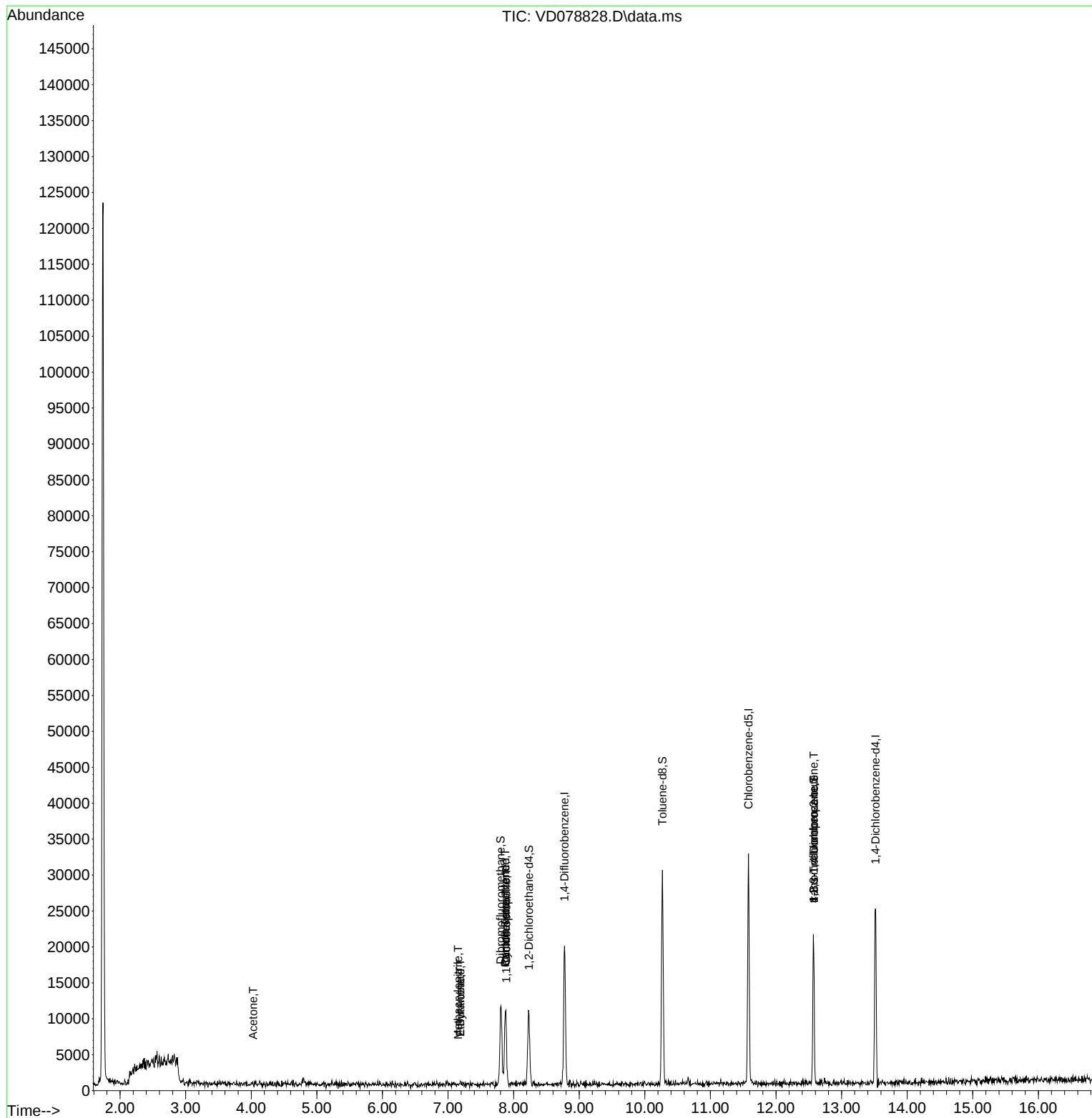
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 8999     | 50.00    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 17842    | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 19058    | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 7490     | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.234  | 65    | 8227     | 97.55    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =     | 195.10%# |
| 35) Dibromofluoromethane      | 7.799  | 113   | 8517     | 74.14    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =     | 148.28%# |
| 50) Toluene-d8                | 10.269 | 98    | 21776    | 51.54    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =     | 103.08%  |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 6700     | 54.21    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =     | 108.42%  |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 16) Acetone                   | 4.028  | 43    | 54       | 3.31     | ug/l  | # 39     |
| 20) Methylene Chloride        | 4.805  | 84    | 255      | Below    | Cal   | # 29     |
| 25) 2-Butanone                | 7.187  | 43    | 59       | 2.72     | ug/l  | # 43     |
| 31) Cyclohexane               | 7.881  | 56    | 142      | 1.00     | ug/l  | # 11     |
| 36) 1,1-Dichloropropene       | 7.887  | 75    | 289      | 1.73     | ug/l  | # 40     |
| 37) Ethyl Acetate             | 7.187  | 43    | 59       | 1.08     | ug/l  | # 63     |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 1005     | 5.72     | ug/l  | # 11     |
| 41) Methacrylonitrile         | 7.152  | 41    | 56       | 1.96     | ug/l  | # 13     |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 2919     | 50.58    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 2919     | 106.03   | ug/l  | # 19     |
| -----                         |        |       |          |          |       |          |

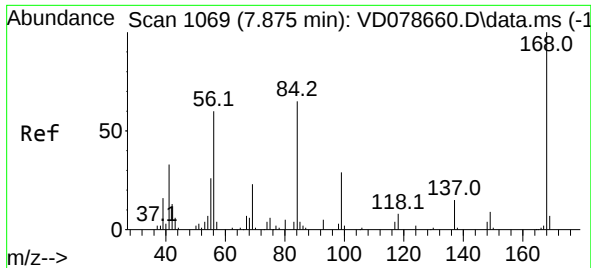
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :

Quant Time: Apr 16 22:35:21 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 15 05:38:03 2024  
Response via : Initial Calibration

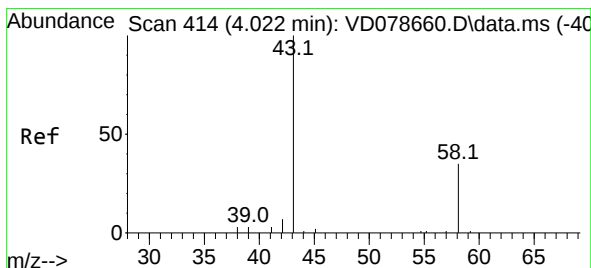
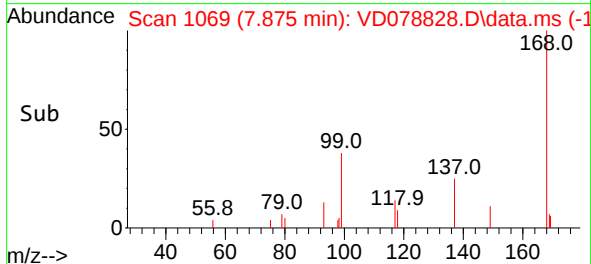
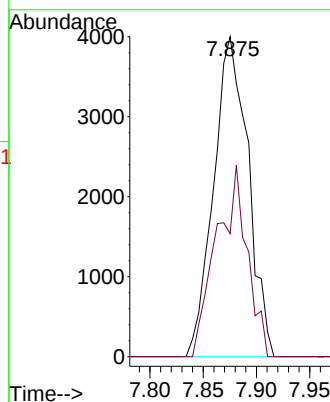
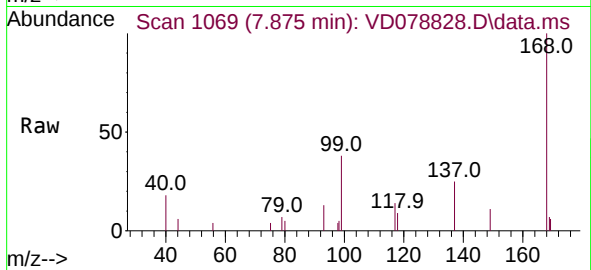




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

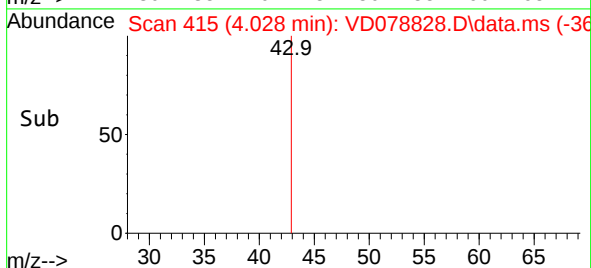
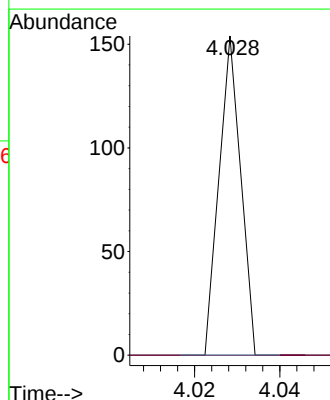
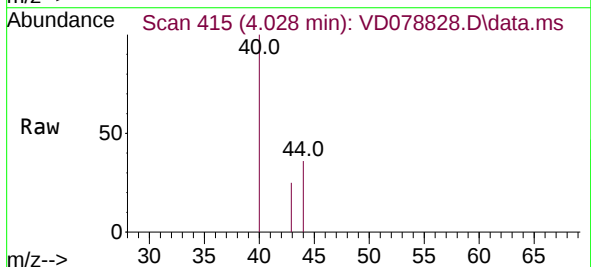
Instrument :  
MSVOA\_D  
ClientSampleId :

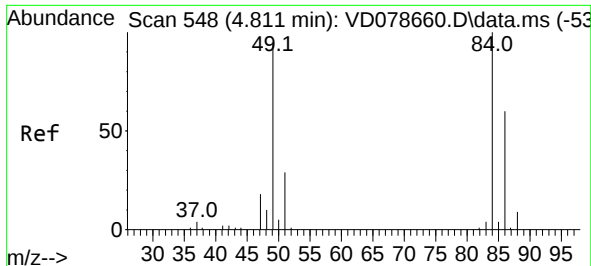
Tgt Ion:168 Resp: 8999  
Ion Ratio Lower Upper  
168 100  
99 38.5 38.8 58.2#



#16  
Acetone  
Concen: 3.31 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

Tgt Ion: 43 Resp: 54  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.2 42.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 54

Delta R.T. -0.006 min

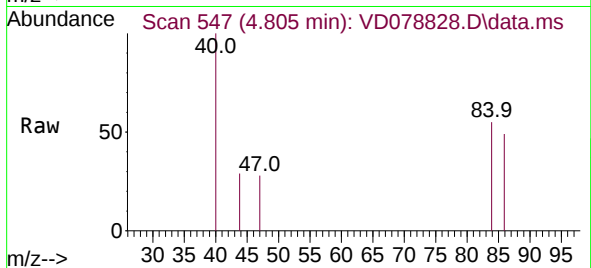
Lab File: VD078828.D

Acq: 16 Apr 2024 17:18

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 84 Resp: 255

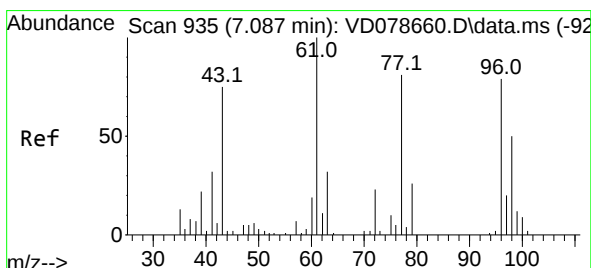
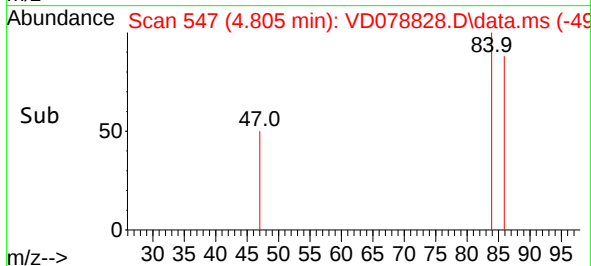
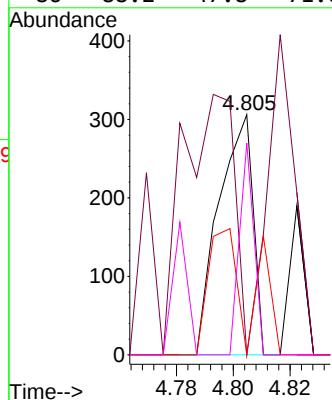
Ion Ratio Lower Upper

84 100

49 0.0 75.6 113.4#

51 0.0 23.4 35.0#

86 88.2 47.8 71.6#



#25

2-Butanone

Concen: 2.72 ug/l

RT: 7.187 min Scan# 952

Delta R.T. 0.100 min

Lab File: VD078828.D

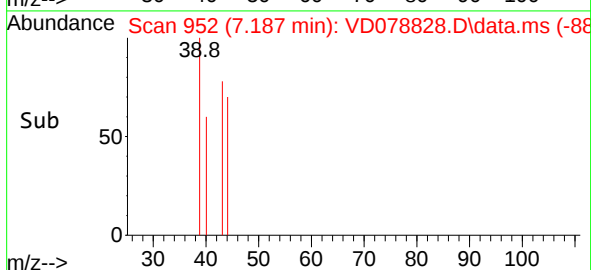
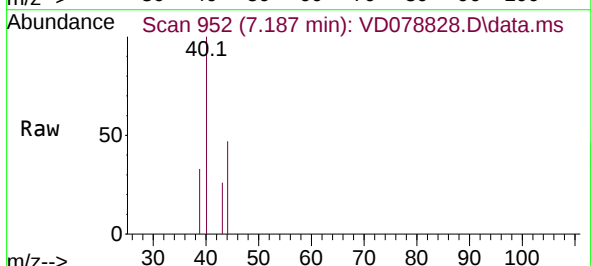
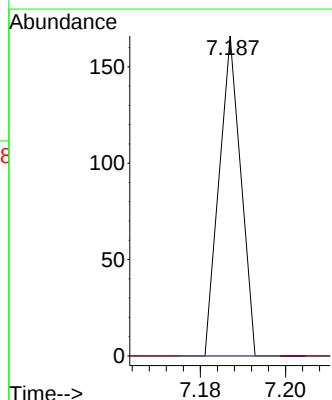
Acq: 16 Apr 2024 17:18

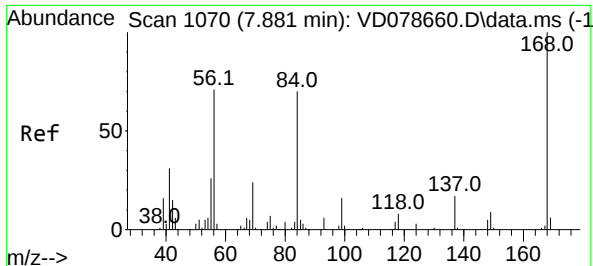
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

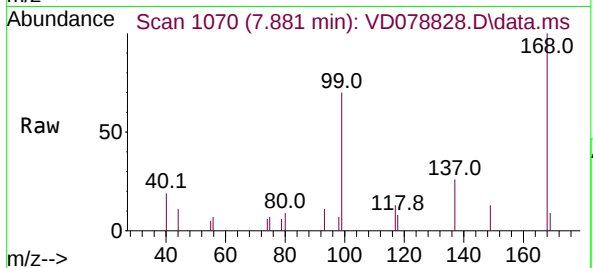
72 0.0 25.0 37.6#



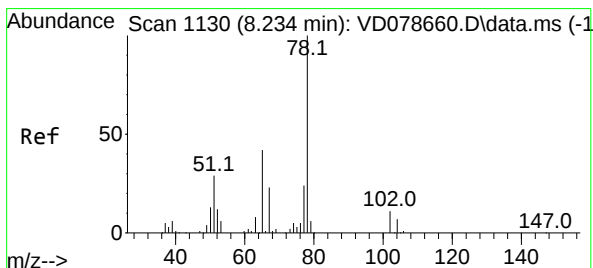
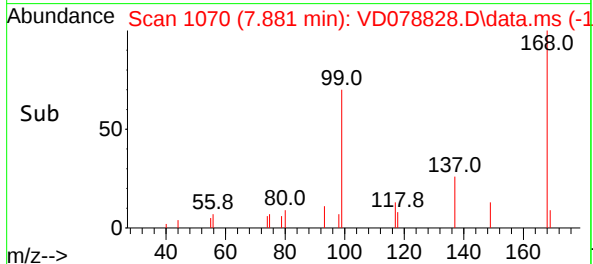
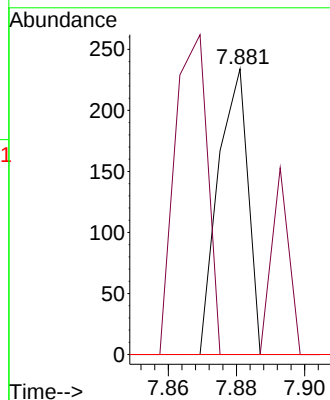


#31  
Cyclohexane  
Concen: 1.00 ug/l  
RT: 7.881 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :

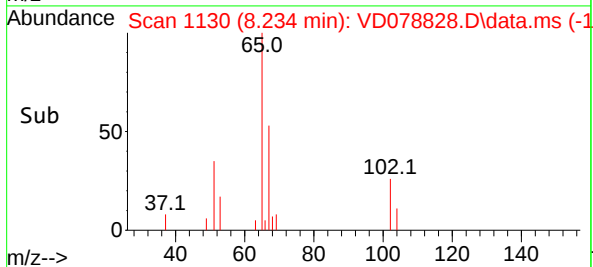
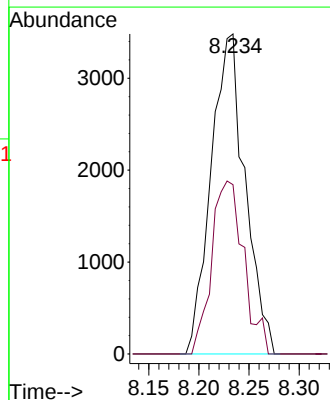
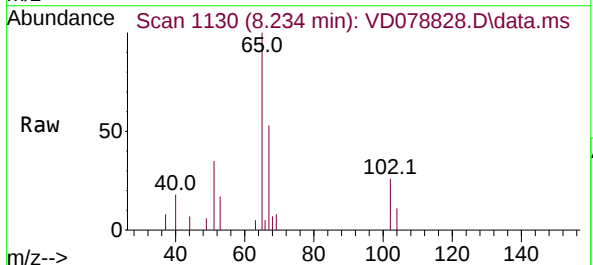


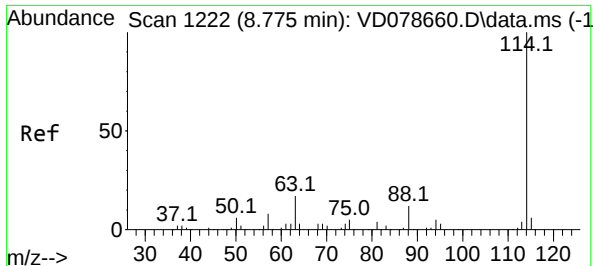
Tgt Ion: 56 Resp: 142  
Ion Ratio Lower Upper  
56 100  
69 0.0 26.6 40.0#  
84 0.0 79.4 119.2#



#33  
1,2-Dichloroethane-d4  
Concen: 97.55 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

Tgt Ion: 65 Resp: 8227  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 110.2

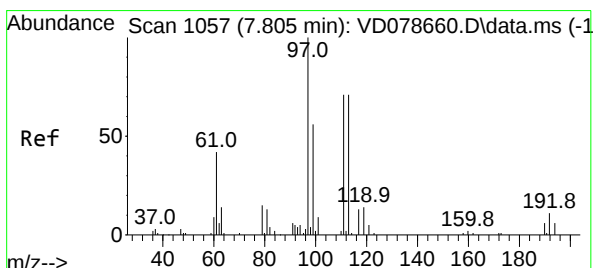
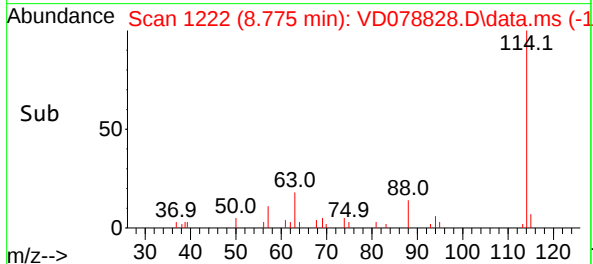
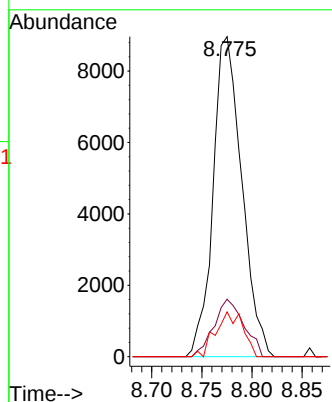
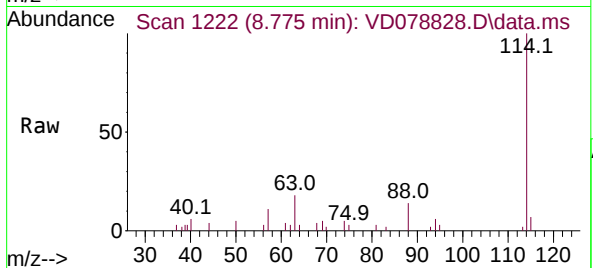




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

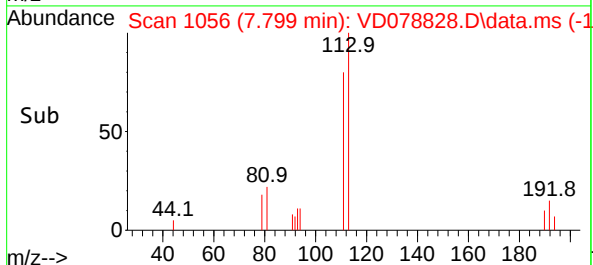
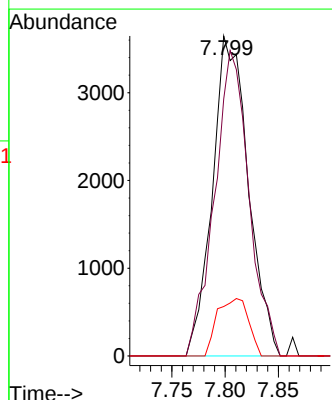
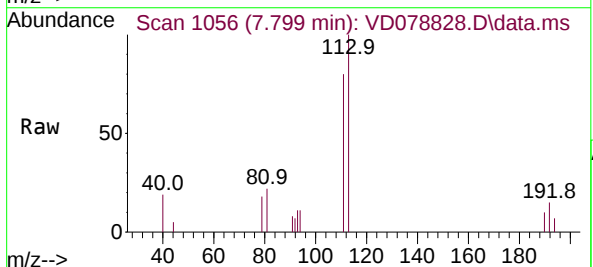
Instrument :  
MSVOA\_D  
ClientSampleId :

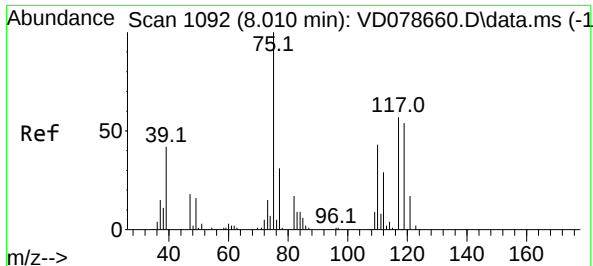
Tgt Ion:114 Resp: 17842  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 33.4  
88 14.0 0.0 24.6



#35  
Dibromofluoromethane  
Concen: 74.14 ug/l  
RT: 7.799 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

Tgt Ion:113 Resp: 8517  
Ion Ratio Lower Upper  
113 100  
111 92.3 81.9 122.9  
192 15.7 15.4 23.0





#36

1,1-Dichloropropene

Concen: 1.73 ug/l

RT: 7.887 min Scan# 1092

Delta R.T. -0.123 min

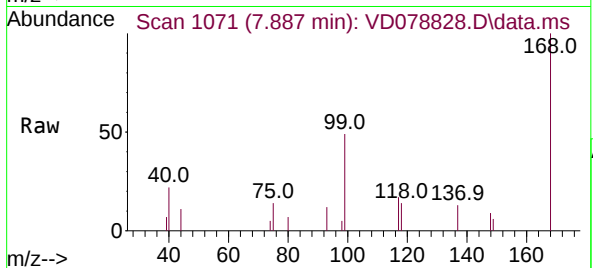
Lab File: VD078828.D

Acq: 16 Apr 2024 17:18

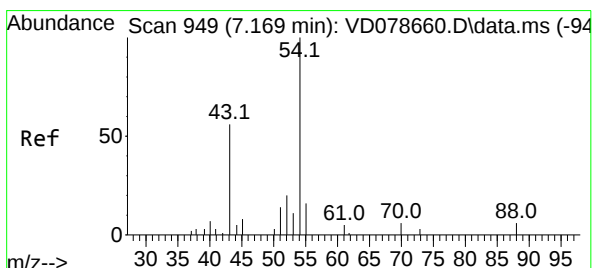
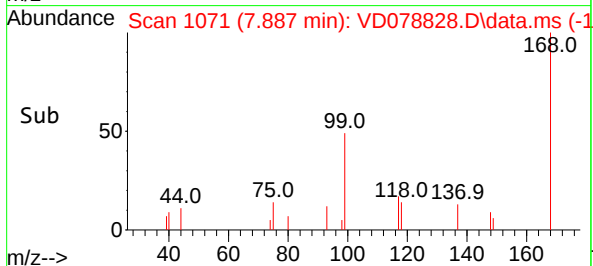
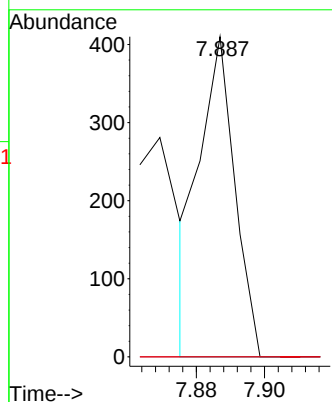
Instrument :

MSVOA\_D

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 289   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 0.0   | 19.1  | 57.1# |
| 77       | 0.0   | 25.4  | 38.2# |



#37

Ethyl Acetate

Concen: 1.08 ug/l

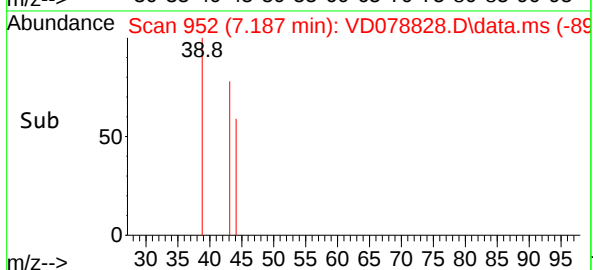
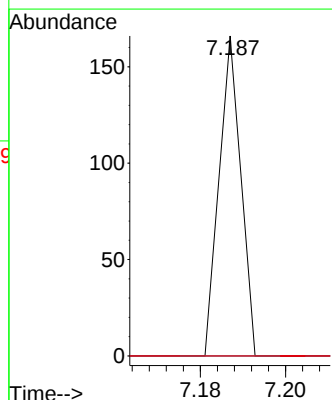
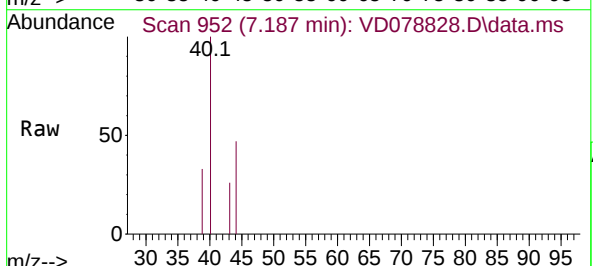
RT: 7.187 min Scan# 952

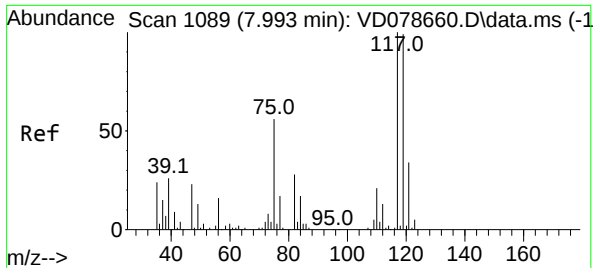
Delta R.T. 0.018 min

Lab File: VD078828.D

Acq: 16 Apr 2024 17:18

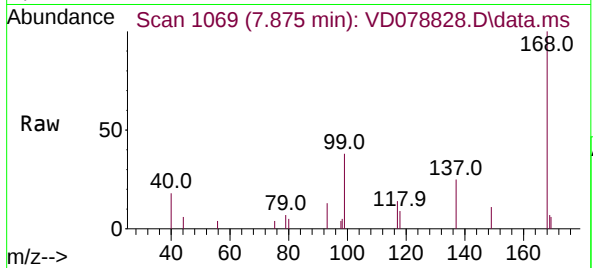
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 59    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 14.6  | 21.8# |
| 70       | 0.0   | 9.4   | 14.0# |



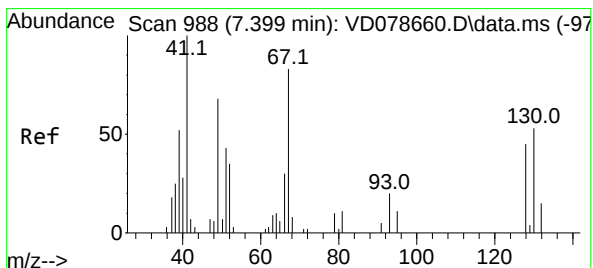
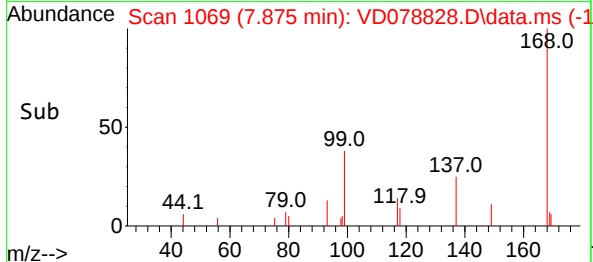
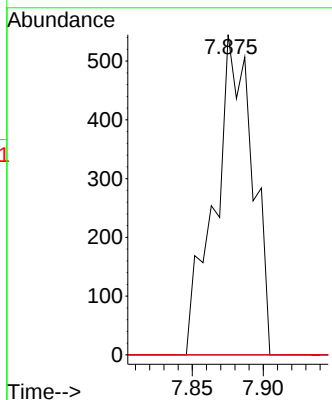


#38  
Carbon Tetrachloride  
Concen: 5.72 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.118 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :

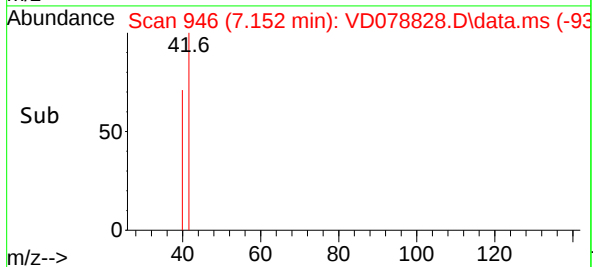
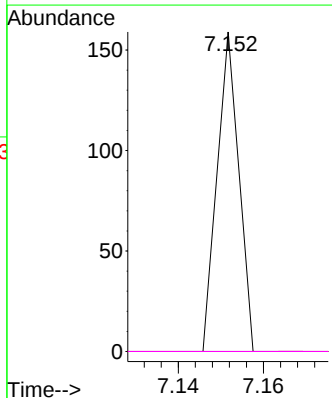
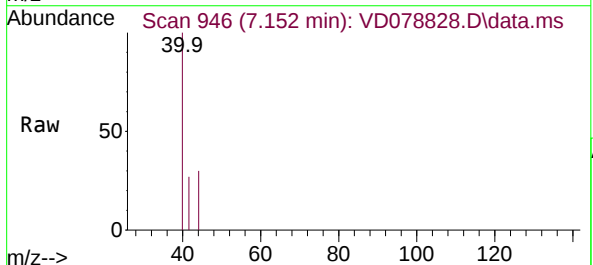


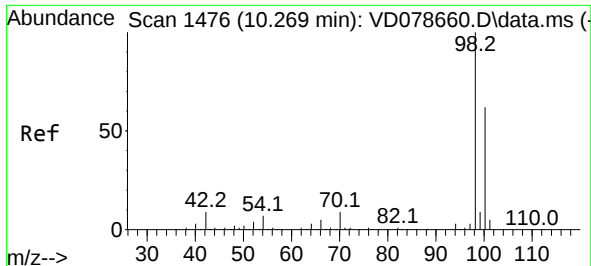
Tgt Ion:117 Resp: 1005  
Ion Ratio Lower Upper  
117 100  
119 0.0 79.2 118.8#  
121 0.0 26.8 40.2#



#41  
Methacrylonitrile  
Concen: 1.96 ug/l  
RT: 7.152 min Scan# 946  
Delta R.T. -0.247 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

Tgt Ion: 41 Resp: 56  
Ion Ratio Lower Upper  
41 100  
39 0.0 39.8 59.6#  
67 0.0 83.5 125.3#  
52 0.0 30.3 45.5#

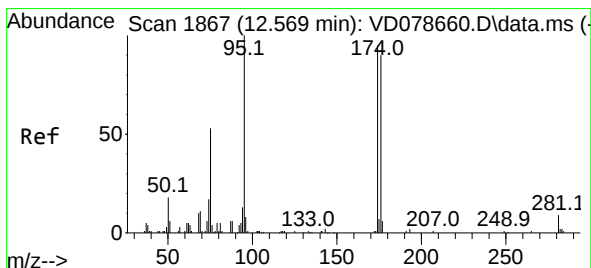
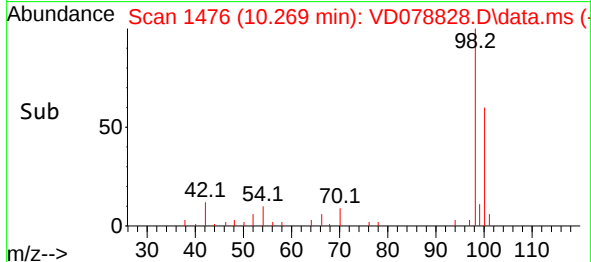
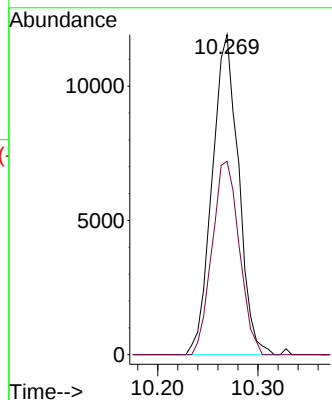
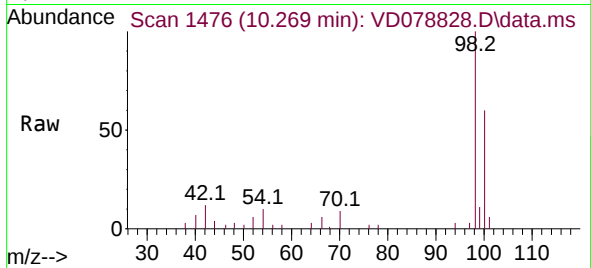




#50  
Toluene-d8  
Concen: 51.54 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

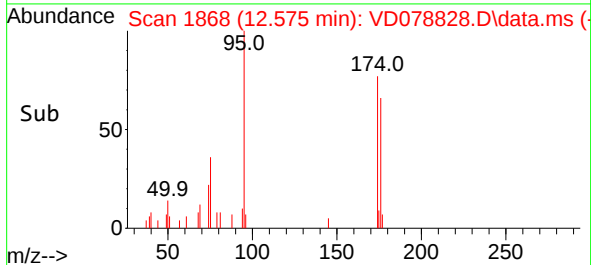
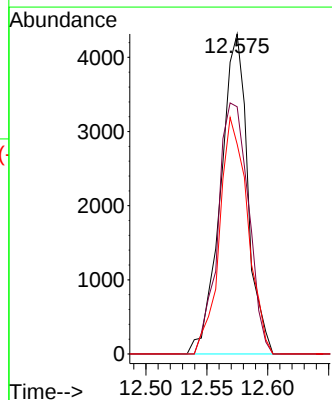
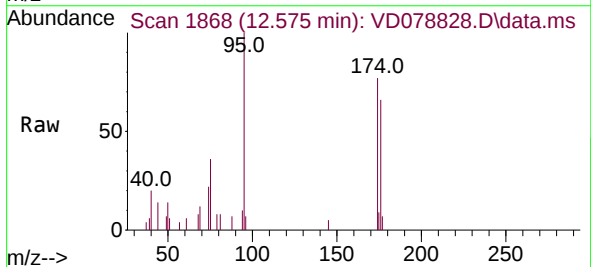
Instrument :  
MSVOA\_D  
ClientSampleId :

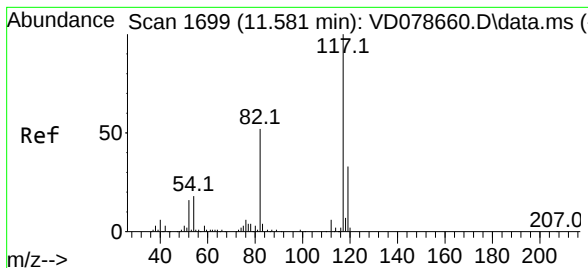
Tgt Ion: 98 Resp: 21776  
Ion Ratio Lower Upper  
98 100  
100 62.2 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 54.21 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

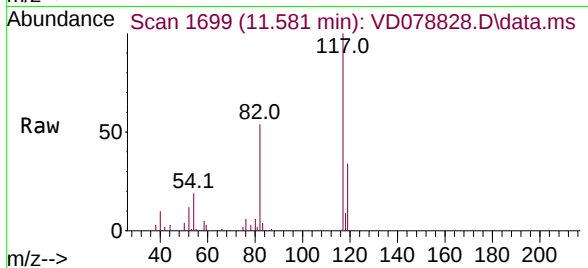
Tgt Ion: 95 Resp: 6700  
Ion Ratio Lower Upper  
95 100  
174 88.0 0.0 195.2  
176 76.7 0.0 188.2



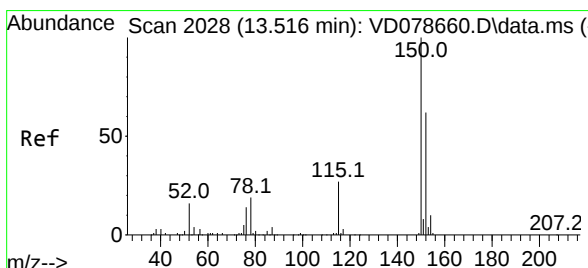
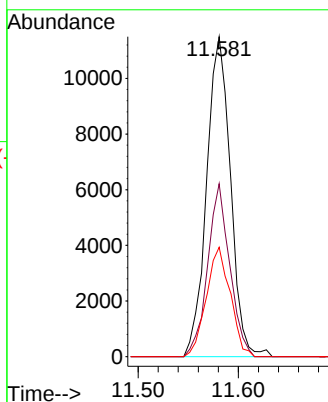
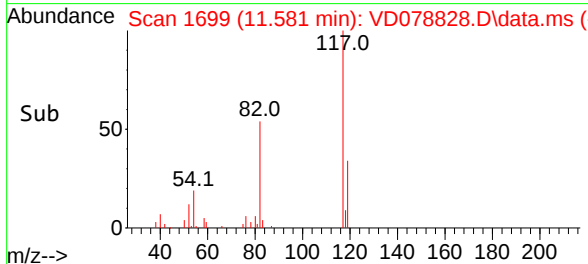


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

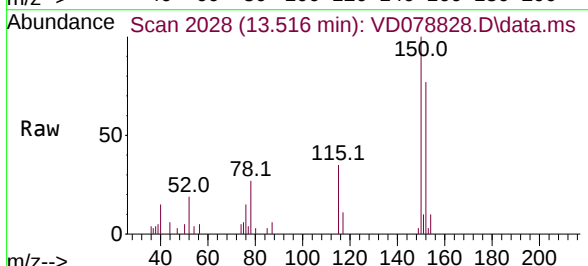
Instrument :  
MSVOA\_D  
ClientSampleId :



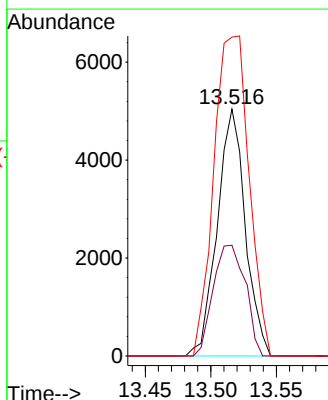
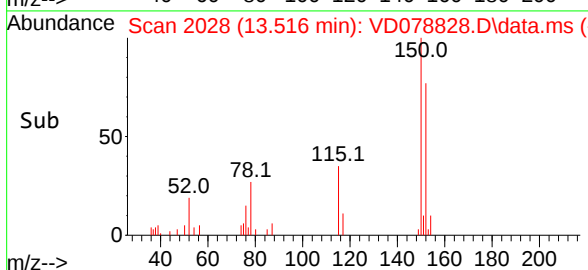
Tgt Ion:117 Resp: 19058  
Ion Ratio Lower Upper  
117 100  
82 54.1 41.4 62.2  
119 34.2 26.5 39.7

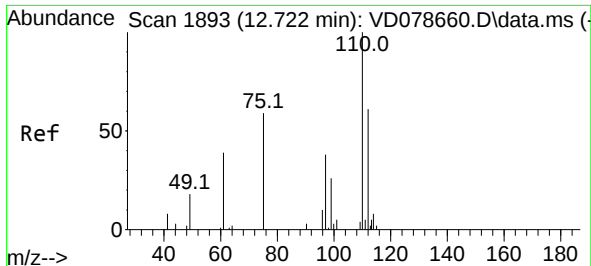


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18



Tgt Ion:152 Resp: 7490  
Ion Ratio Lower Upper  
152 100  
115 51.4 27.1 81.2  
150 163.0 0.0 350.2

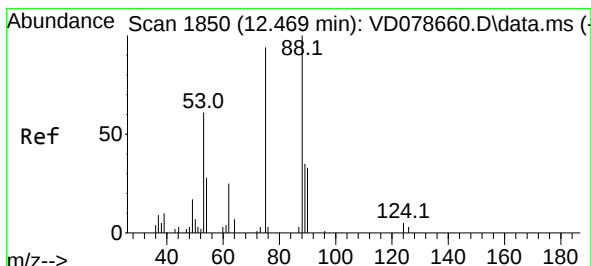
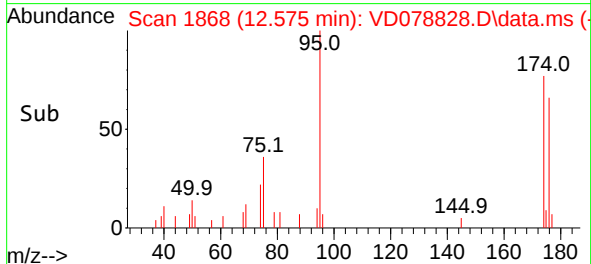
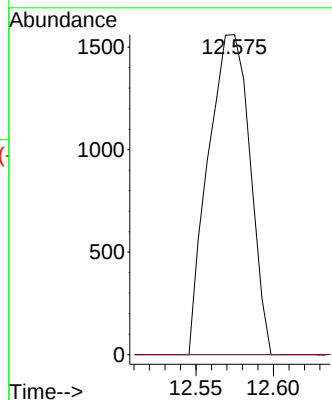
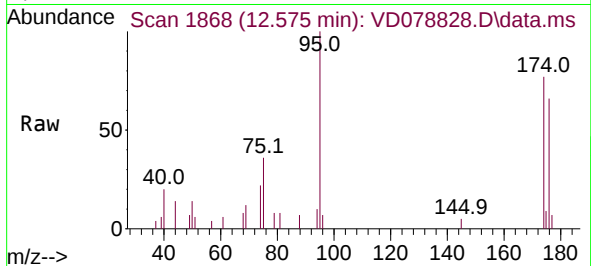




#76  
1,2,3-Trichloropropane  
Concen: 50.58 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 2919  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 106.03 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD078828.D  
Acq: 16 Apr 2024 17:18

Tgt Ion: 75 Resp: 2919  
Ion Ratio Lower Upper  
75 100  
53 0.0 61.0 91.6#  
89 0.0 35.4 53.0#

