

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012424\  
 Data File : VD078229.D  
 Acq On : 24 Jan 2024 17:59  
 Operator : RP/MD  
 Sample : P1235-04  
 Misc : 5.05G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 143

Quant Time: Jan 25 00:29:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 23 05:43:07 2024  
 Response via : Initial Calibration

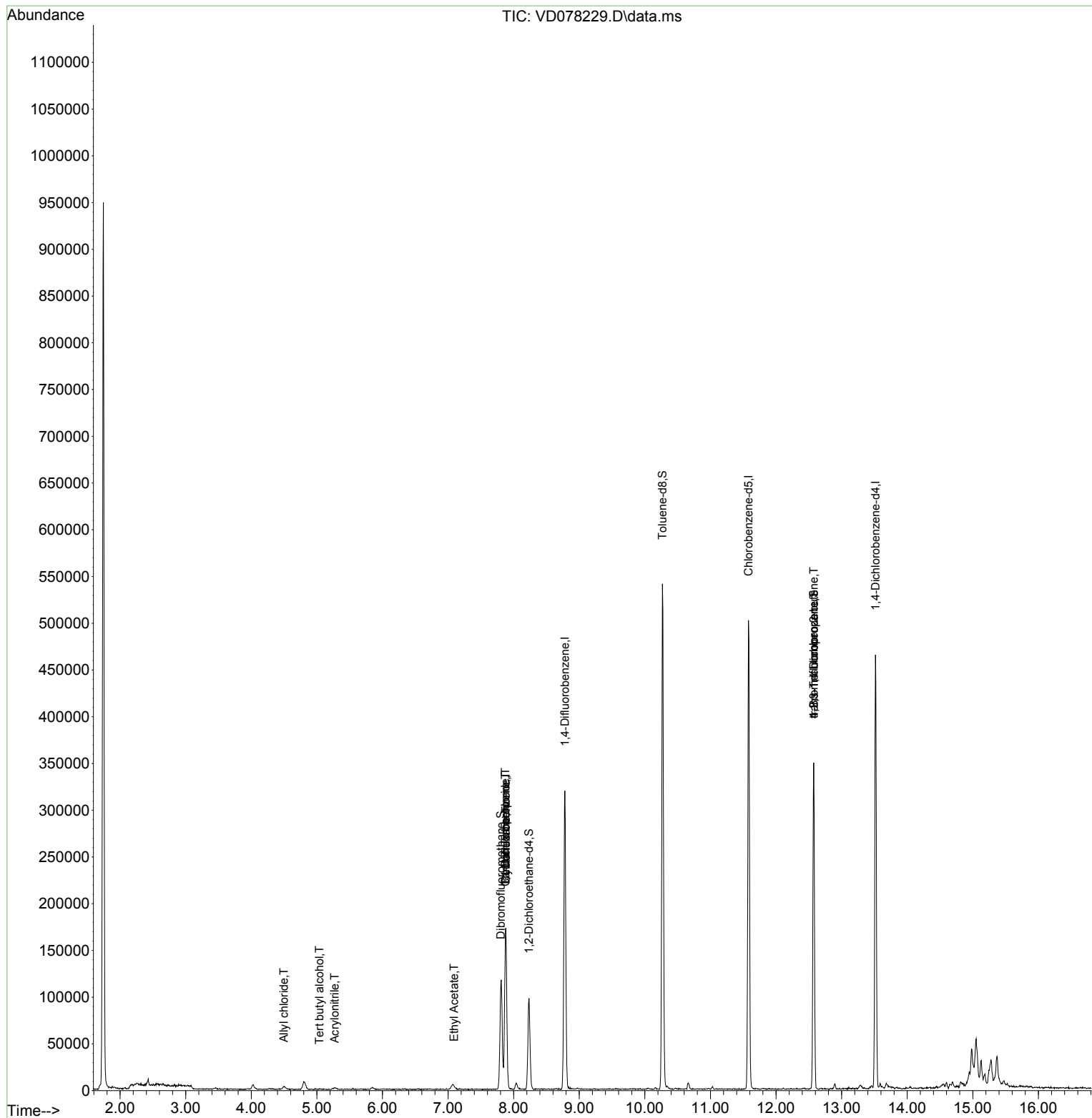
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.881     | 168   | 127280   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.781     | 114   | 285077   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581    | 117   | 284899   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 117853   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.234     | 65    | 73099    | 50.308    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 100.620% |          |
| 35) Dibromofluoromethane      | 7.805     | 113   | 84996    | 45.302    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 90.600%  |          |
| 50) Toluene-d8                | 10.269    | 98    | 363360   | 48.911    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 97.820%  |          |
| 62) 4-Bromofluorobenzene      | 12.575    | 95    | 111127   | 51.581    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 103.160% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.158     | 50    | 126      | Below Cal | #          | 41       |
| 11) Tert butyl alcohol        | 5.040     | 59    | 450      | 6.291     | ug/l #     | 73       |
| 14) Allyl chloride            | 4.499     | 41    | 4521     | 2.176     | ug/l #     | 41       |
| 15) Acrylonitrile             | 5.269     | 53    | 1286     | 3.766     | ug/l #     | 85       |
| 16) Acetone                   | 4.028     | 43    | 7944     | Below Cal |            | 99       |
| 20) Methylene Chloride        | 4.811     | 84    | 6602     | Below Cal | #          | 85       |
| 25) 2-Butanone                | 7.093     | 43    | 2890     | Below Cal | #          | 75       |
| 31) Cyclohexane               | 7.881     | 56    | 3168     | 1.179     | ug/l #     | 50       |
| 36) 1,1-Dichloropropene       | 7.875     | 75    | 11435    | 3.706     | ug/l #     | 48       |
| 37) Ethyl Acetate             | 7.093     | 43    | 2890     | 2.516     | ug/l #     | 69       |
| 38) Carbon Tetrachloride      | 7.875     | 117   | 13368    | 4.387     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.575    | 75    | 60398    | 53.432    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575    | 75    | 60398    | 115.096   | ug/l #     | 17       |
| -----                         |           |       |          |           |            |          |

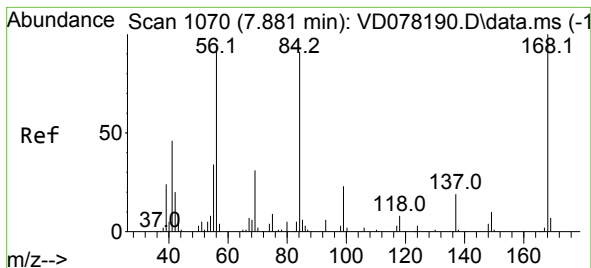
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012424\  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
143

Quant Time: Jan 25 00:29:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 23 05:43:07 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. -0.000 min

Lab File: VD078229.D

Acq: 24 Jan 2024 17:59

Instrument :

MSVOA\_D

ClientSampleId :

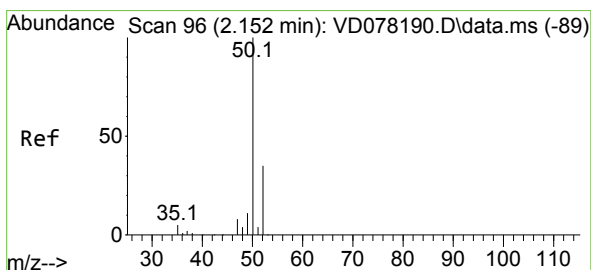
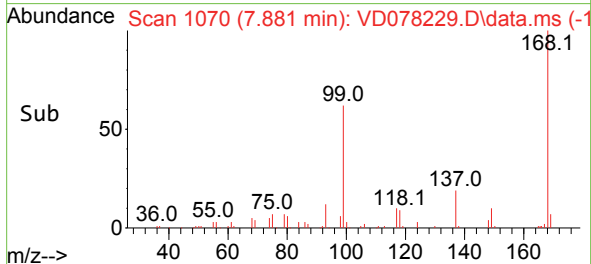
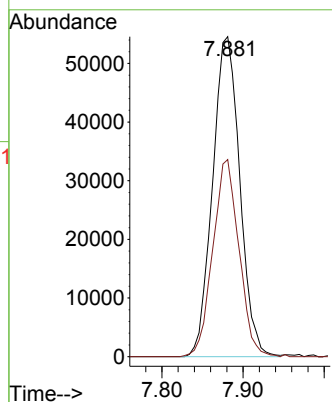
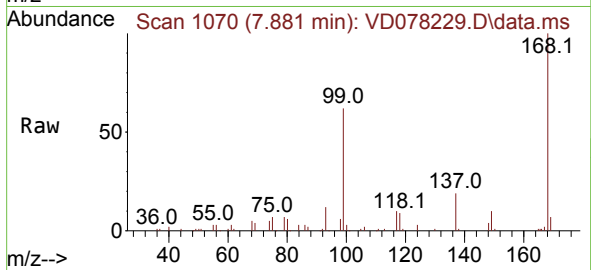
143

Tgt Ion:168 Resp: 127280

Ion Ratio Lower Upper

168 100

99 61.6 36.7 55.1#



#3

Chloromethane

Concen: Below Cal

RT: 2.158 min Scan# 97

Delta R.T. 0.006 min

Lab File: VD078229.D

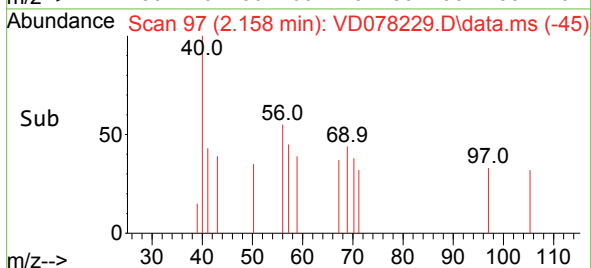
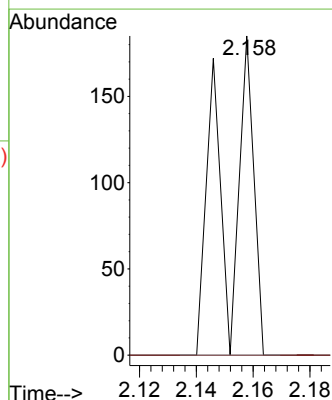
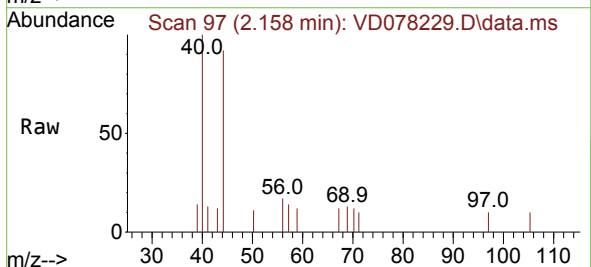
Acq: 24 Jan 2024 17:59

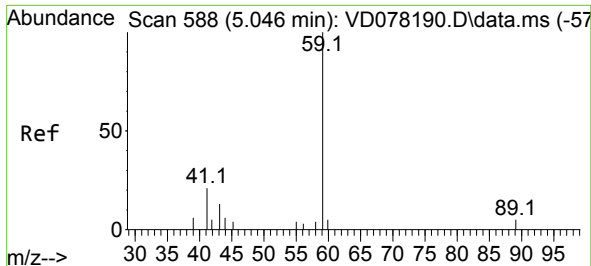
Tgt Ion: 50 Resp: 126

Ion Ratio Lower Upper

50 100

52 0.0 26.6 40.0#





#11

Tert butyl alcohol

Concen: 6.291 ug/l

RT: 5.040 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD078229.D

Acq: 24 Jan 2024 17:59

Instrument :

MSVOA\_D

ClientSampleId :

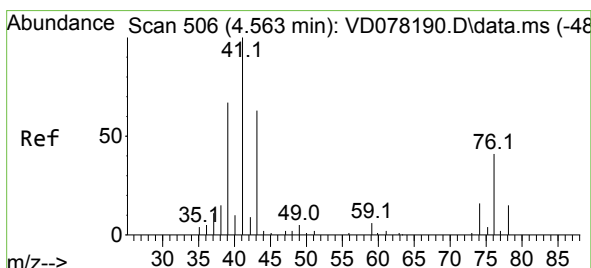
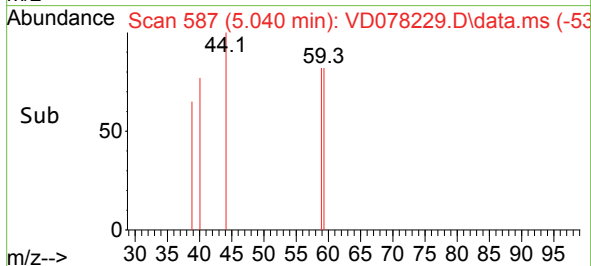
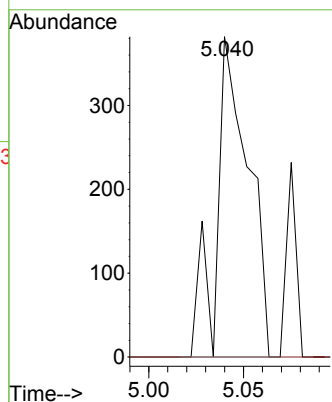
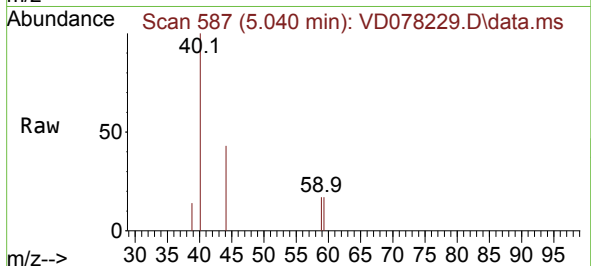
143

Tgt Ion: 59 Resp: 450

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#14

Allyl chloride

Concen: 2.176 ug/l

RT: 4.499 min Scan# 495

Delta R.T. -0.065 min

Lab File: VD078229.D

Acq: 24 Jan 2024 17:59

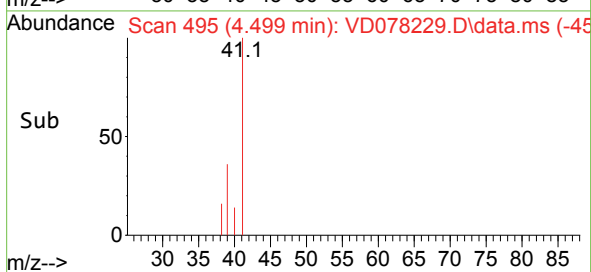
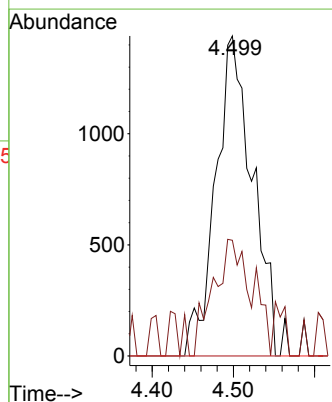
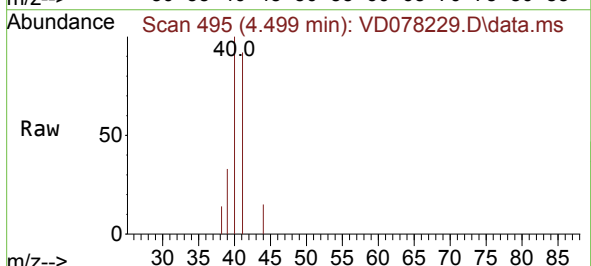
Tgt Ion: 41 Resp: 4521

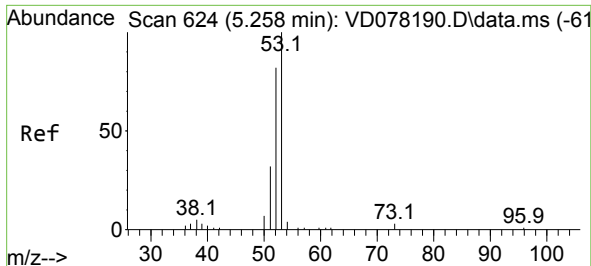
Ion Ratio Lower Upper

41 100

39 31.9 53.8 80.6#

76 0.0 45.8 68.8#

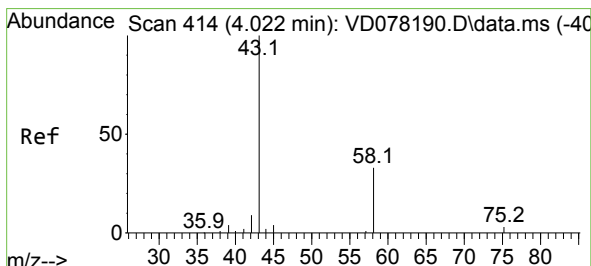
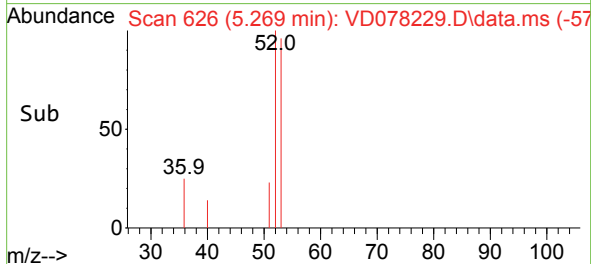
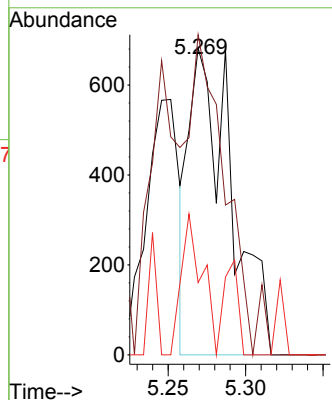
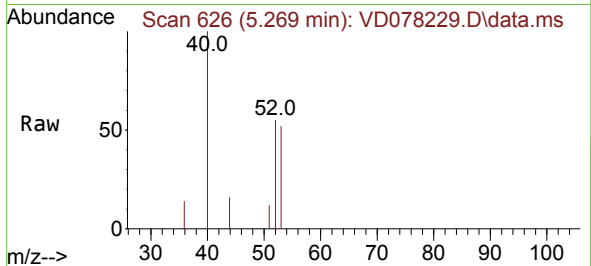




#15  
Acrylonitrile  
Concen: 3.766 ug/l  
RT: 5.269 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VD078229.D  
Acq: 24 Jan 2024 17:59

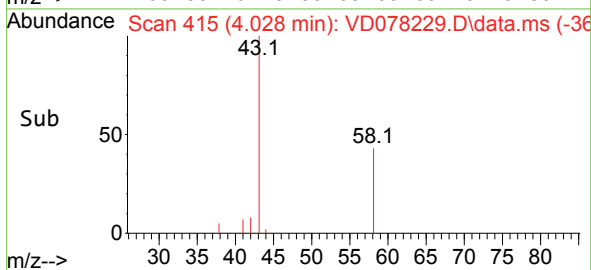
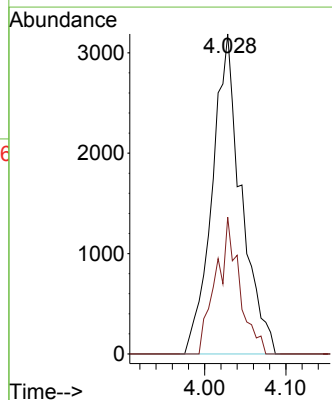
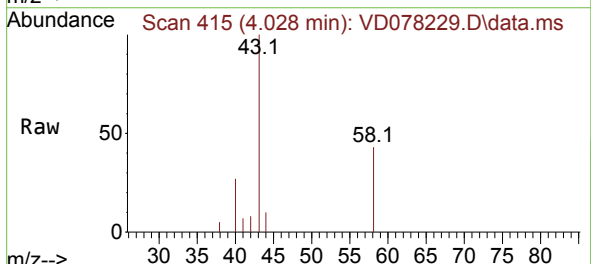
Instrument :  
MSVOA\_D  
ClientSampleId :  
143

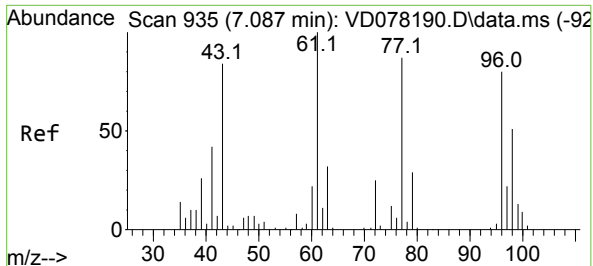
Tgt Ion: 53 Resp: 1286  
Ion Ratio Lower Upper  
53 100  
52 91.9 65.0 97.4  
51 22.9 28.3 42.5#



#16  
Acetone  
Concen: Below Cal  
RT: 4.028 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VD078229.D  
Acq: 24 Jan 2024 17:59

Tgt Ion: 43 Resp: 7944  
Ion Ratio Lower Upper  
43 100  
58 42.7 34.7 52.1





#25

2-Butanone

Concen: Below Cal

RT: 7.093 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD078229.D

Acq: 24 Jan 2024 17:59

Instrument :

MSVOA\_D

ClientSampleId :

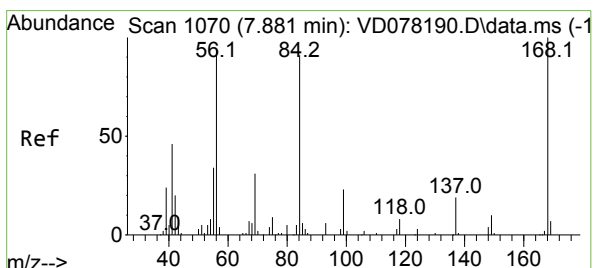
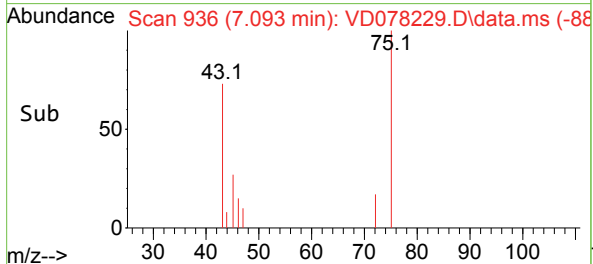
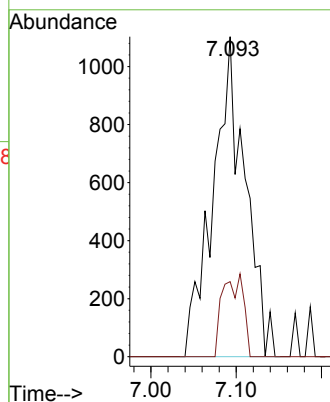
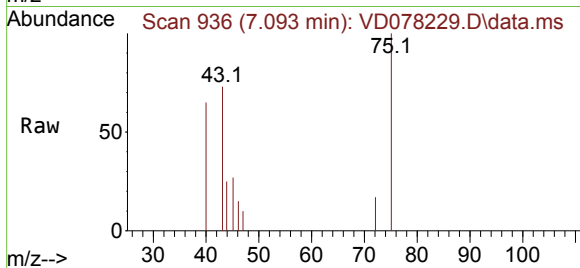
143

Tgt Ion: 43 Resp: 2890

Ion Ratio Lower Upper

43 100

72 23.5 30.7 46.1#



#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD078229.D

Acq: 24 Jan 2024 17:59

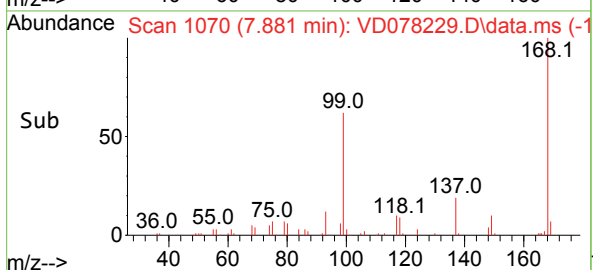
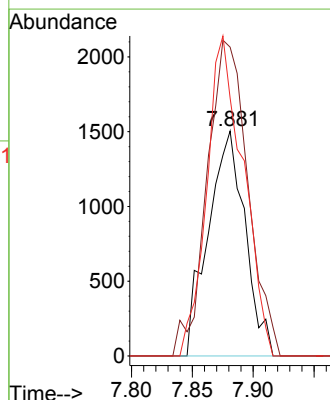
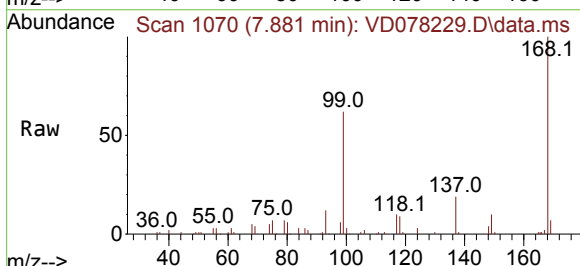
Tgt Ion: 56 Resp: 3168

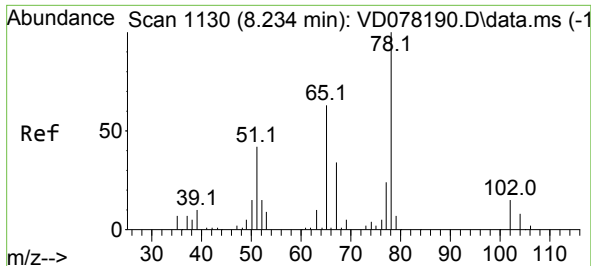
Ion Ratio Lower Upper

56 100

69 137.2 28.6 43.0#

84 114.6 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 50.308 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078229.D

Acq: 24 Jan 2024 17:59

Instrument :

MSVOA\_D

ClientSampleId :

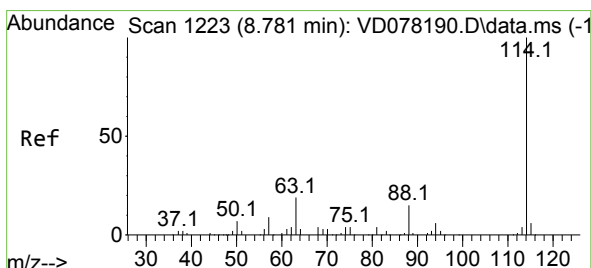
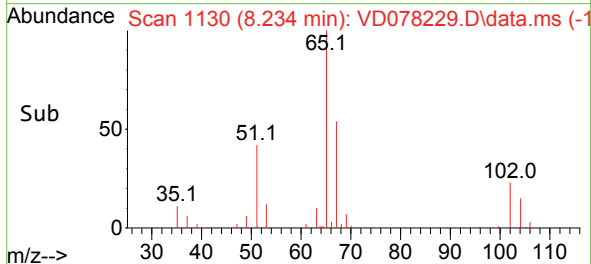
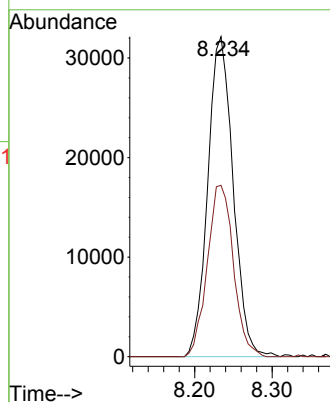
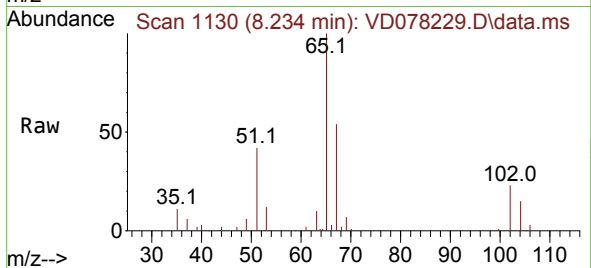
143

Tgt Ion: 65 Resp: 73099

Ion Ratio Lower Upper

65 100

67 55.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD078229.D

Acq: 24 Jan 2024 17:59

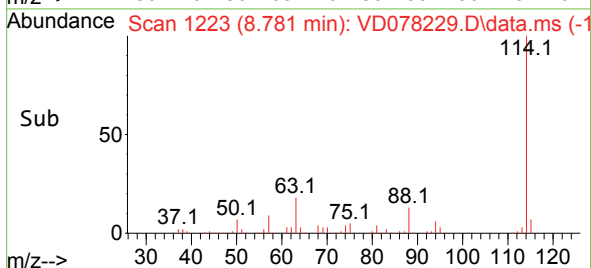
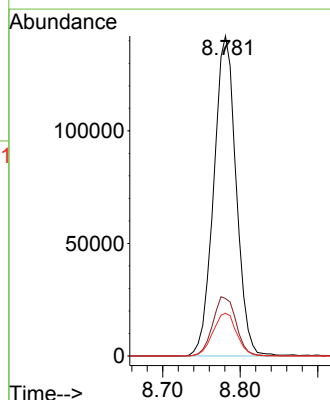
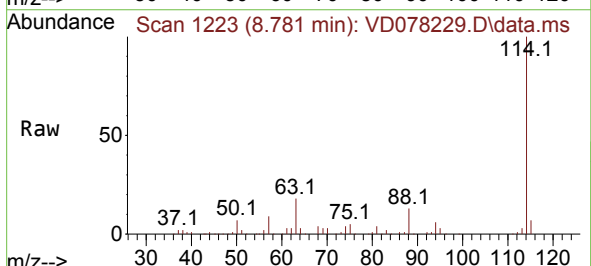
Tgt Ion:114 Resp: 285077

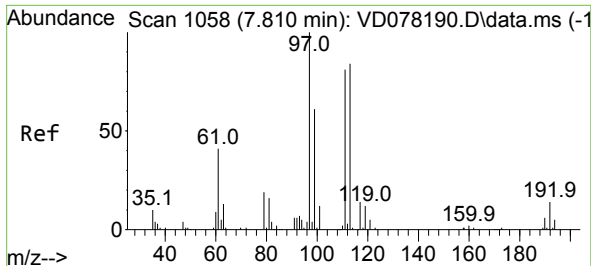
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 13.3 0.0 26.2

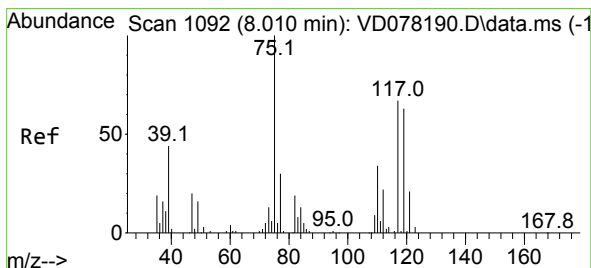
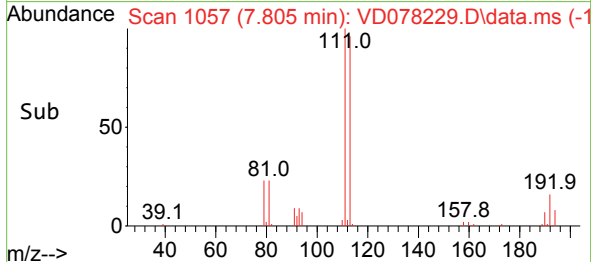
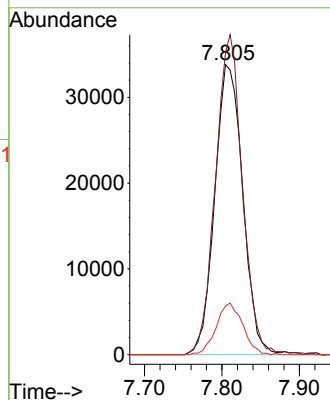
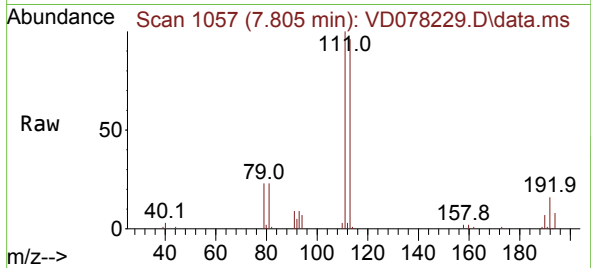




#35  
Dibromofluoromethane  
Concen: 45.302 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VD078229.D  
Acq: 24 Jan 2024 17:59

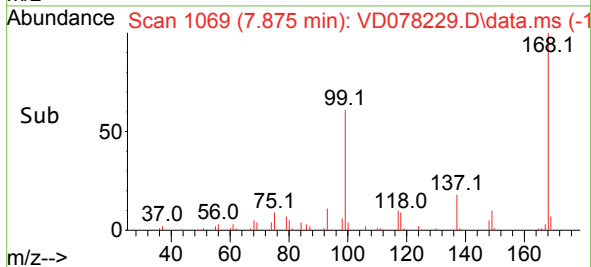
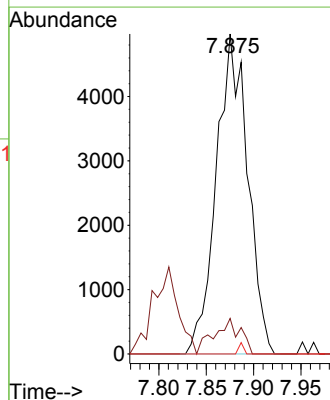
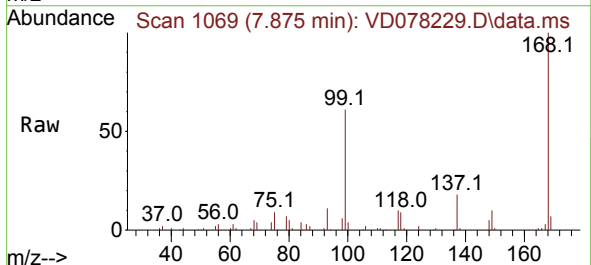
Instrument :  
MSVOA\_D  
ClientSampleId :  
143

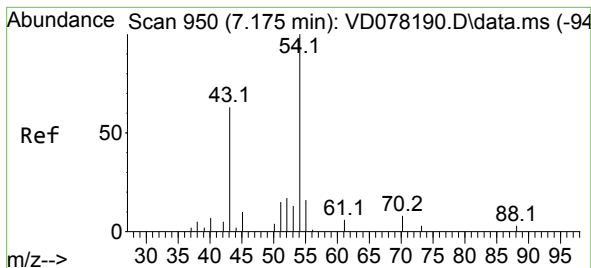
Tgt Ion:113 Resp: 84996  
Ion Ratio Lower Upper  
113 100  
111 106.2 84.7 127.1  
192 17.0 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 3.706 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.135 min  
Lab File: VD078229.D  
Acq: 24 Jan 2024 17:59

Tgt Ion: 75 Resp: 11435  
Ion Ratio Lower Upper  
75 100  
110 9.2 19.9 59.6#  
77 0.5 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.516 ug/l

RT: 7.093 min Scan# 91

Delta R.T. -0.082 min

Lab File: VD078229.D

Acq: 24 Jan 2024 17:59

Instrument :

MSVOA\_D

ClientSampleId :

143

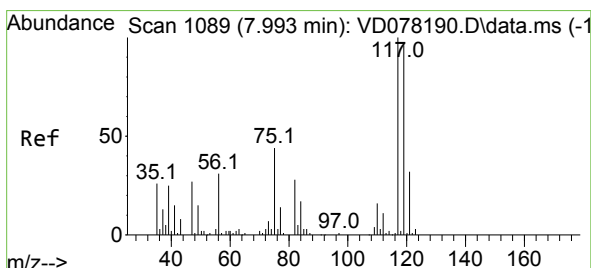
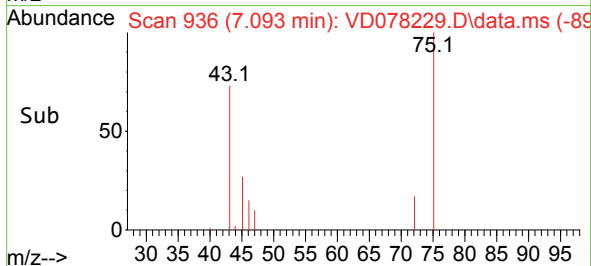
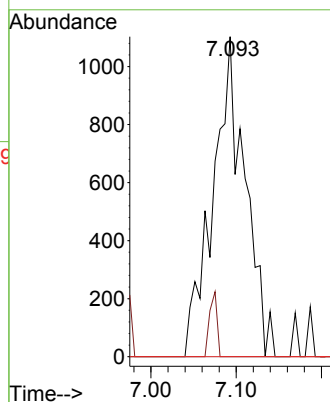
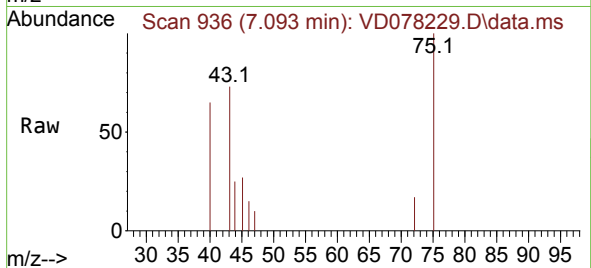
Tgt Ion: 43 Resp: 2890

Ion Ratio Lower Upper

43 100

61 4.7 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 4.387 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078229.D

Acq: 24 Jan 2024 17:59

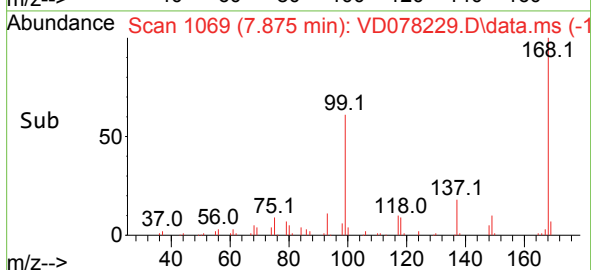
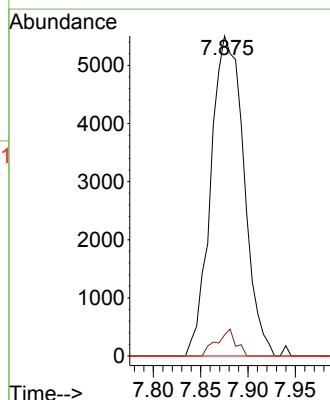
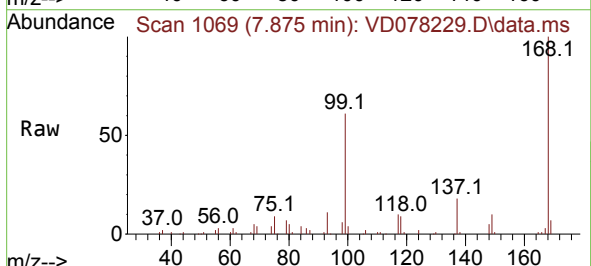
Tgt Ion:117 Resp: 13368

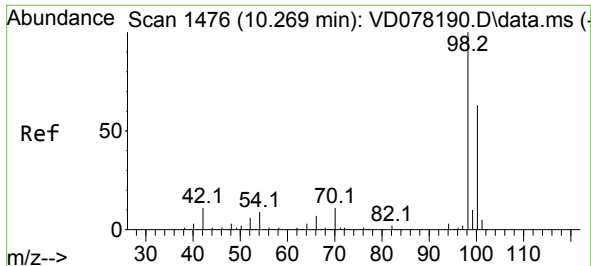
Ion Ratio Lower Upper

117 100

119 6.5 78.0 117.0#

121 0.0 24.2 36.2#

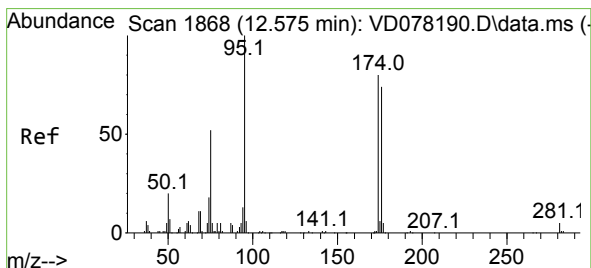
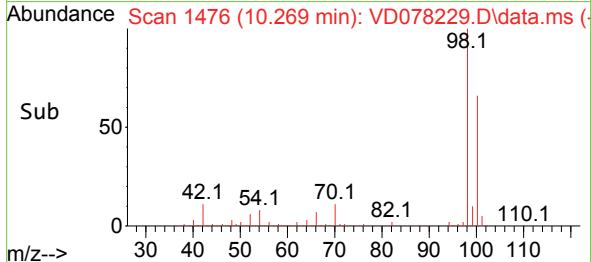
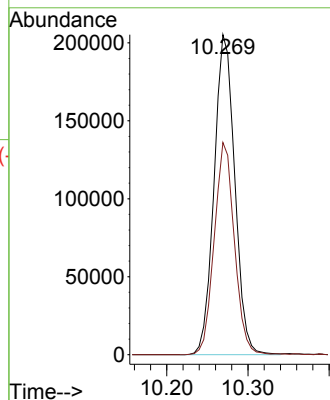
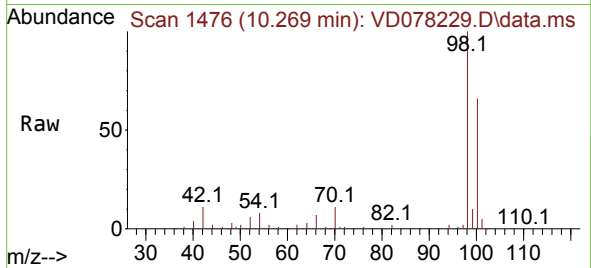




#50  
Toluene-d8  
Concen: 48.911 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD078229.D  
Acq: 24 Jan 2024 17:59

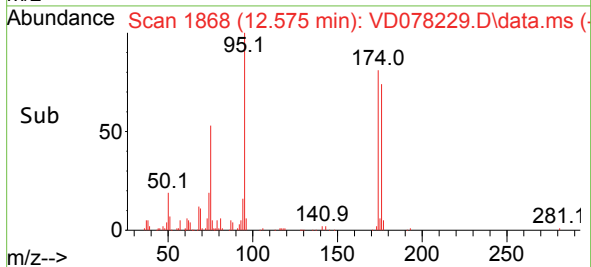
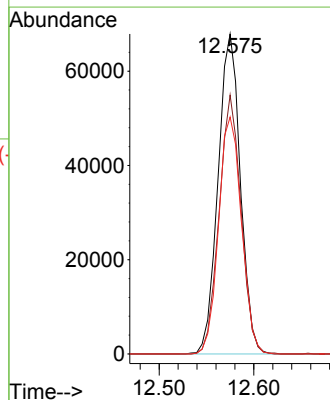
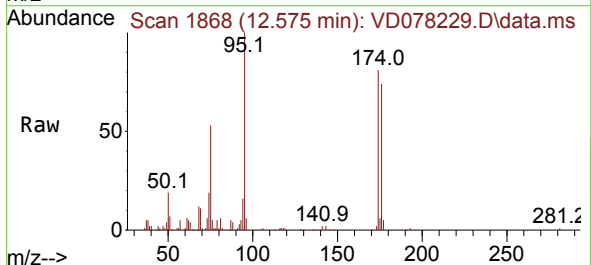
Instrument :  
MSVOA\_D  
ClientSampleId :  
143

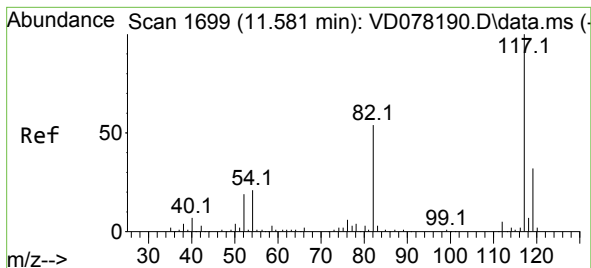
Tgt Ion: 98 Resp: 363360  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 51.581 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD078229.D  
Acq: 24 Jan 2024 17:59

Tgt Ion: 95 Resp: 111127  
Ion Ratio Lower Upper  
95 100  
174 79.4 0.0 201.8  
176 75.9 0.0 191.8

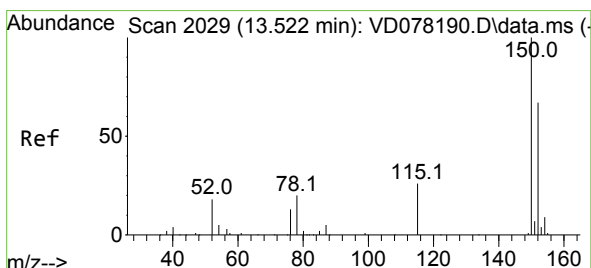
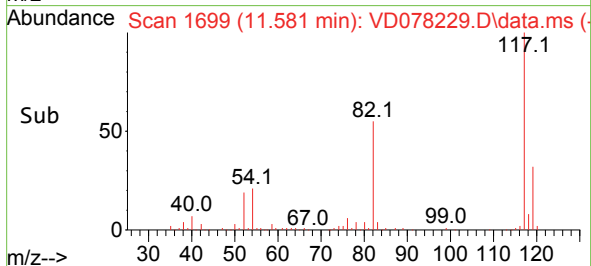
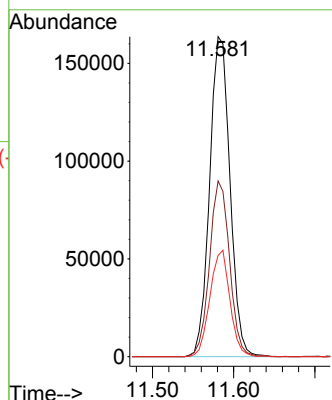
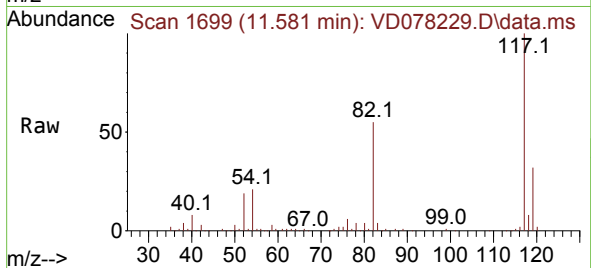




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: VD078229.D  
Acq: 24 Jan 2024 17:59

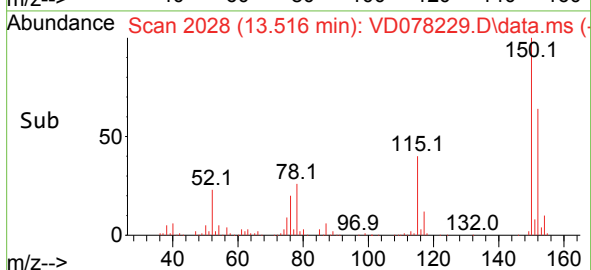
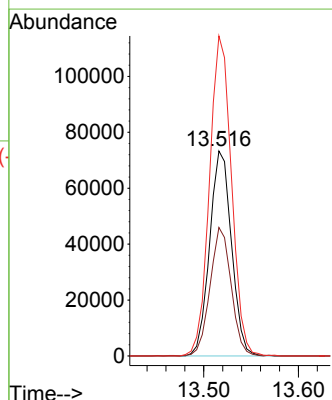
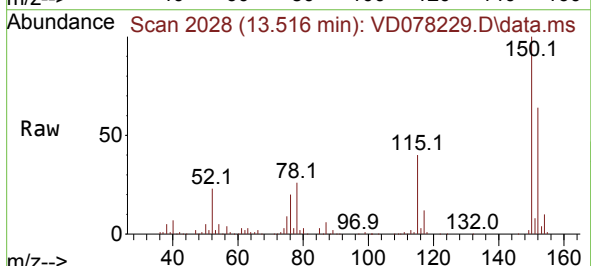
Instrument :  
MSVOA\_D  
ClientSampleId :  
143

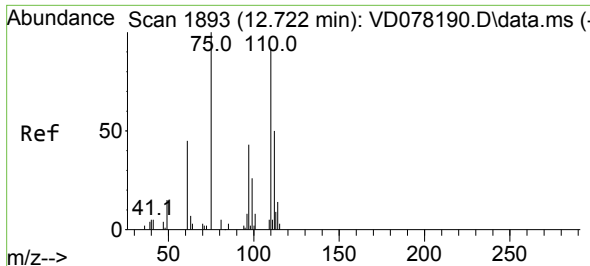
Tgt Ion:117 Resp: 284899  
Ion Ratio Lower Upper  
117 100  
82 54.9 38.3 57.5  
119 31.7 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VD078229.D  
Acq: 24 Jan 2024 17:59

Tgt Ion:152 Resp: 117853  
Ion Ratio Lower Upper  
152 100  
115 60.5 27.1 81.3  
150 157.0 0.0 353.6

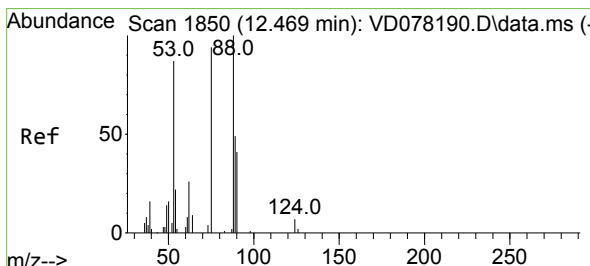
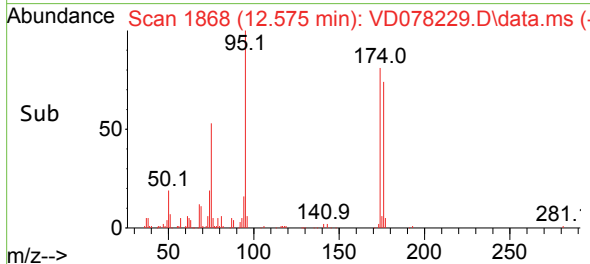
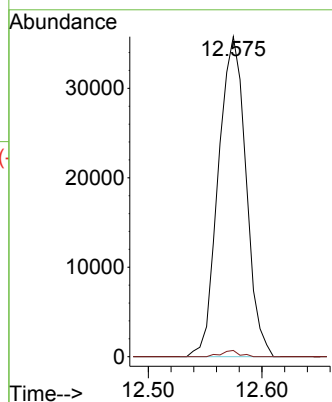
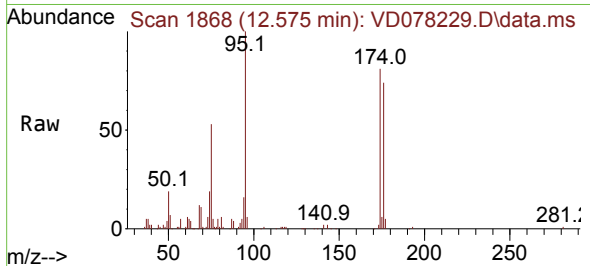




#76  
1,2,3-Trichloropropane  
Concen: 53.432 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD078229.D  
Acq: 24 Jan 2024 17:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
143

Tgt Ion: 75 Resp: 60398  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 115.096 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD078229.D  
Acq: 24 Jan 2024 17:59

Tgt Ion: 75 Resp: 60398  
Ion Ratio Lower Upper  
75 100  
53 0.1 63.0 94.4#  
89 0.0 37.9 56.9#

