

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101822\  
 Data File : VD074567.D  
 Acq On : 18 Oct 2022 16:07  
 Operator : VA/SY  
 Sample : N5140-09RE  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-05-3.5-4.0

Quant Time: Oct 19 02:46:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 12 13:14:00 2022  
 Response via : Initial Calibration

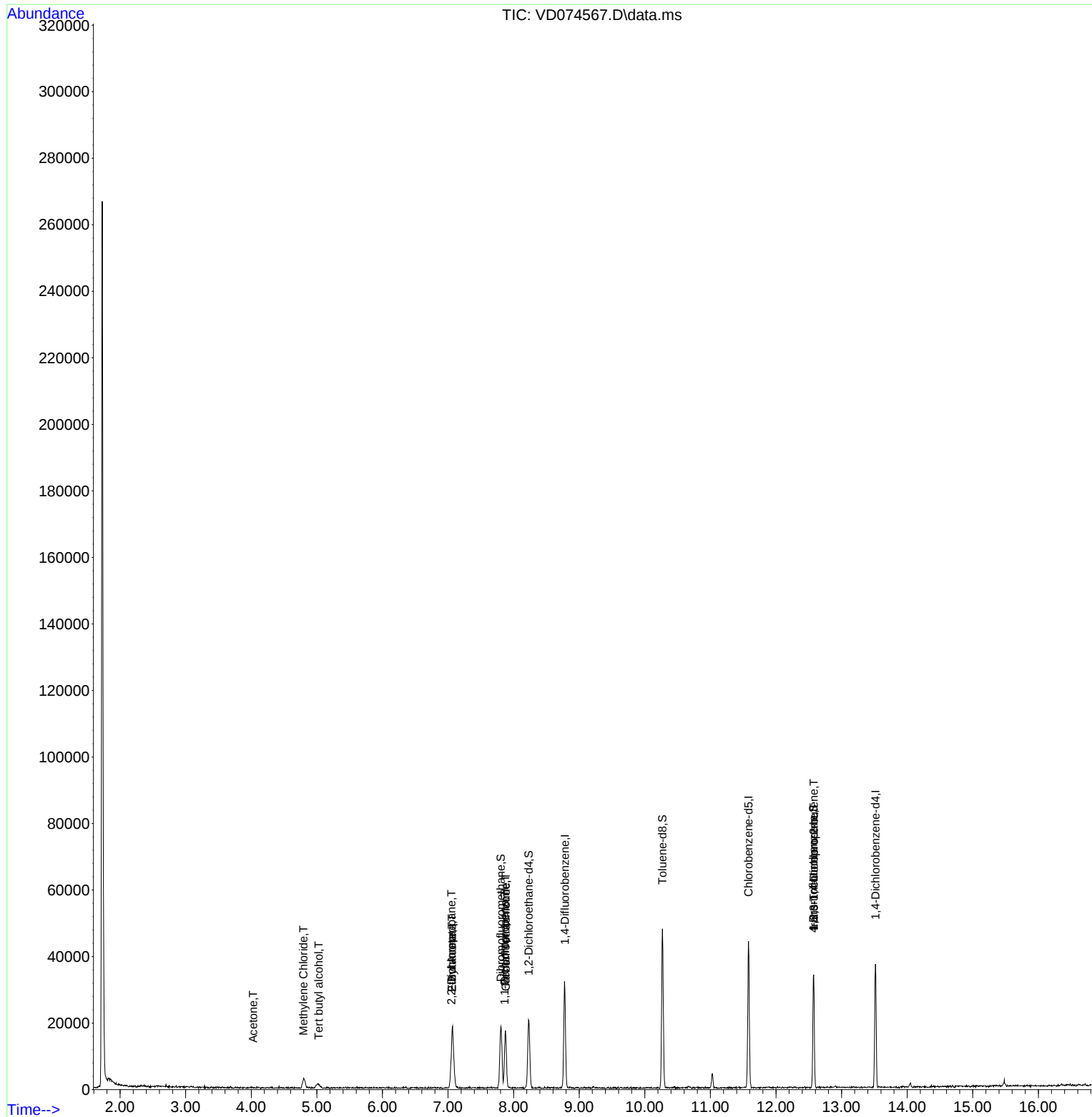
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 15085    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781  | 114   | 30503    | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 28691    | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 10748    | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 16344    | 125.873  | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 251.740%# |          |
| 35) Dibromofluoromethane      | 7.805  | 113   | 14182    | 78.770   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 157.540%# |          |
| 50) Toluene-d8                | 10.269 | 98    | 35931    | 51.406   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 102.820%  |          |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 11018    | 51.539   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 103.080%  |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 11) Tert butyl alcohol        | 5.028  | 59    | 1390     | 2.960    | ug/l #      | 84       |
| 16) Acetone                   | 4.028  | 43    | 59       | 2.106    | ug/l #      | 37       |
| 20) Methylene Chloride        | 4.793  | 84    | 2555     | 5.016    | ug/l #      | 85       |
| 25) 2-Butanone                | 7.058  | 43    | 327      | 8.458    | ug/l #      | 42       |
| 26) 2,2-Dichloropropane       | 7.052  | 77    | 668      | 2.289    | ug/l #      | 50       |
| 36) 1,1-Dichloropropene       | 7.863  | 75    | 1023     | 3.495    | ug/l #      | 39       |
| 37) Ethyl Acetate             | 7.058  | 43    | 327      | 3.403    | ug/l #      | 1        |
| 38) Carbon Tetrachloride      | 7.881  | 117   | 1371     | 5.065    | ug/l #      | 14       |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 5268     | 57.352   | ug/l #      | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 5268     | 145.480  | ug/l #      | 17       |
| -----                         |        |       |          |          |             |          |

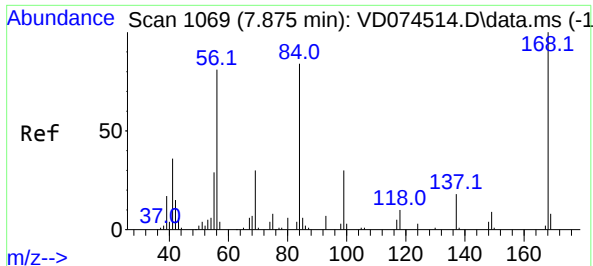
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101822\  
Data File : VD074567.D  
Acq On : 18 Oct 2022 16:07  
Operator : VA/SY  
Sample : N5140-09RE  
Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-05-3.5-4.0

Quant Time: Oct 19 02:46:11 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 12 13:14:00 2022  
Response via : Initial Calibration

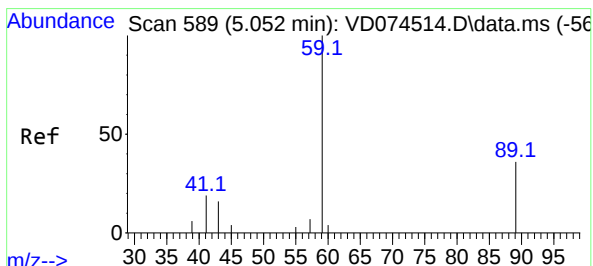
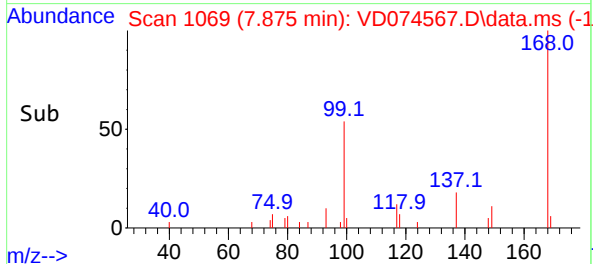
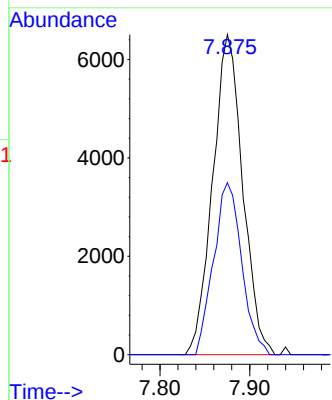
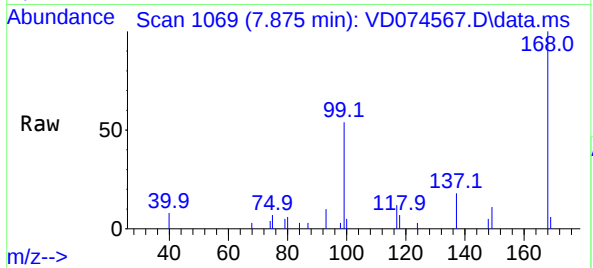




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

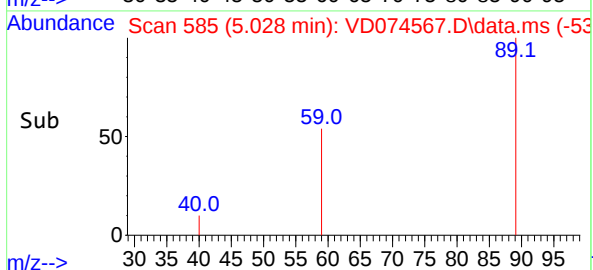
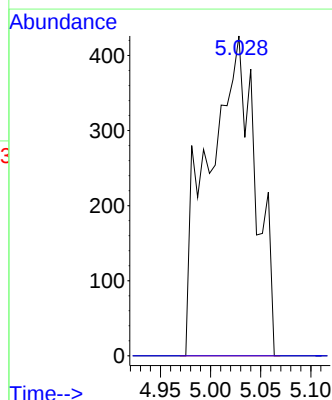
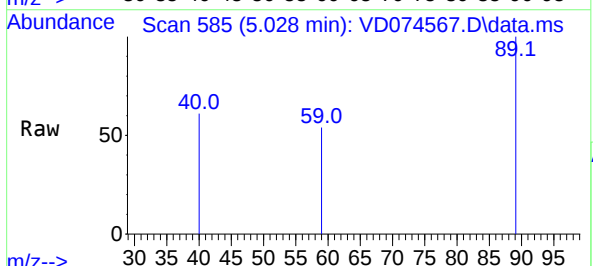
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-05-3.5-4.0

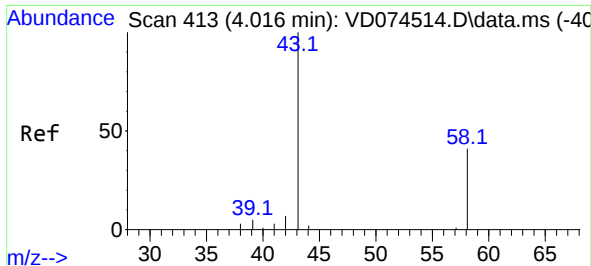
Tgt Ion:168 Resp: 15085  
Ion Ratio Lower Upper  
168 100  
99 53.7 40.9 61.3



#11  
Tert butyl alcohol  
Concen: 2.960 ug/l  
RT: 5.028 min Scan# 585  
Delta R.T. -0.024 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

Tgt Ion: 59 Resp: 1390  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.4 6.6#

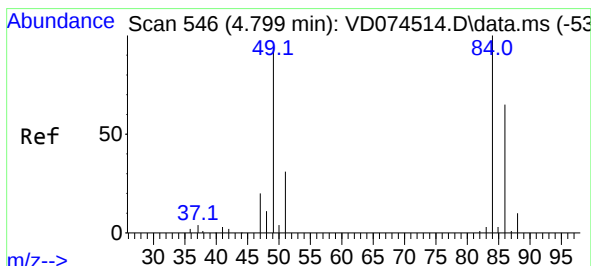
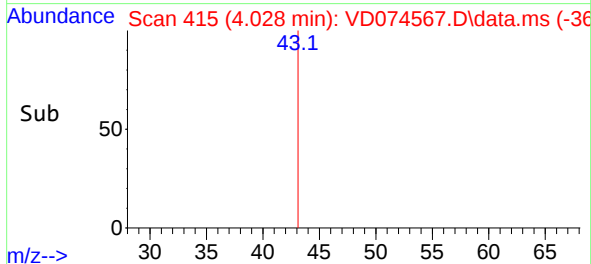
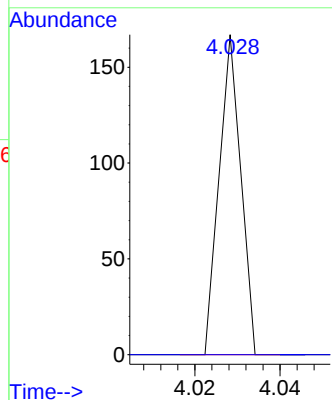
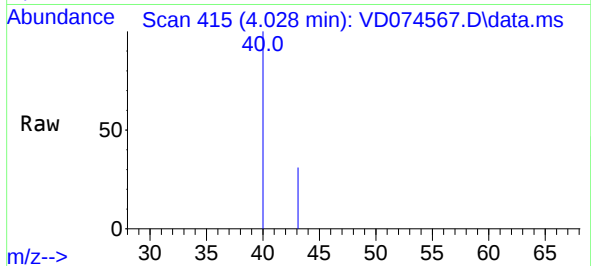




#16  
Acetone  
Concen: 2.106 ug/l  
RT: 4.028 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

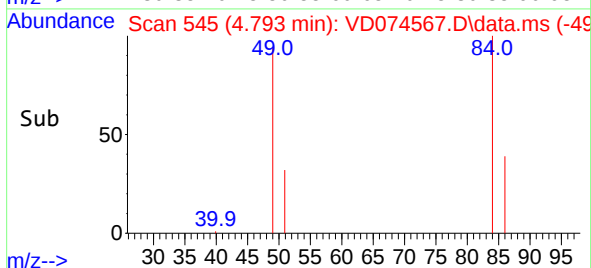
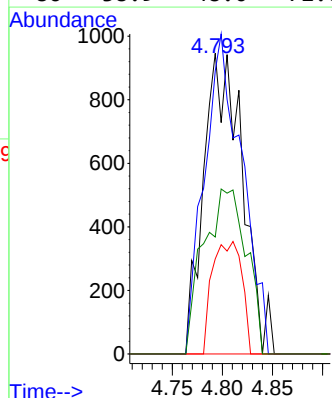
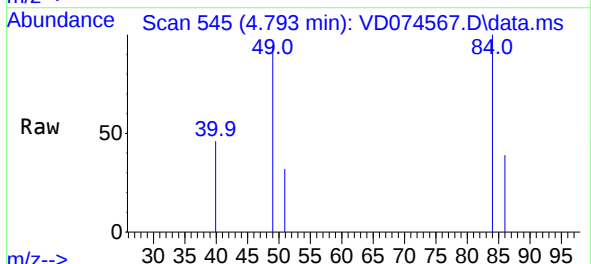
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-05-3.5-4.0

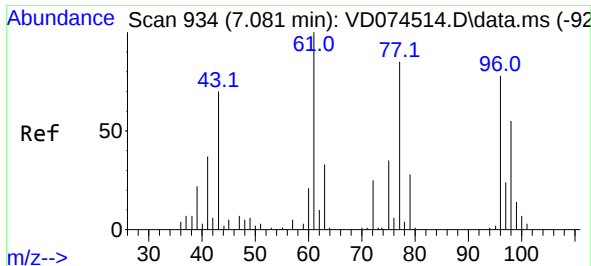
Tgt Ion: 43 Resp: 59  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.2 45.2#



#20  
Methylene Chloride  
Concen: 5.016 ug/l  
RT: 4.793 min Scan# 545  
Delta R.T. -0.006 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

Tgt Ion: 84 Resp: 2555  
Ion Ratio Lower Upper  
84 100  
49 94.1 68.0 102.0  
51 31.6 23.2 34.8  
86 38.9 48.0 72.0#





#25

2-Butanone

Concen: 8.458 ug/l

RT: 7.058 min Scan# 91

Delta R.T. -0.024 min

Lab File: VD074567.D

Acq: 18 Oct 2022 16:07

Instrument :

MSVOA\_D

ClientSampleId :

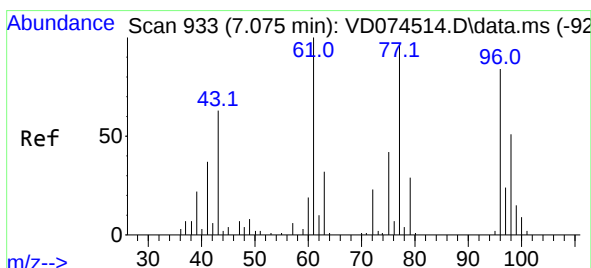
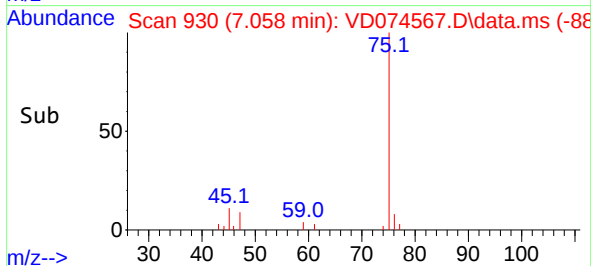
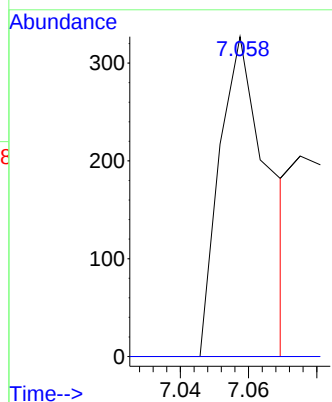
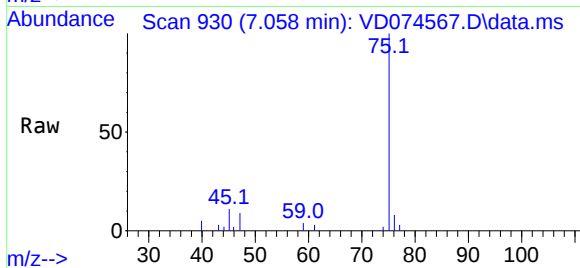
SB-05-3.5-4.0

Tgt Ion: 43 Resp: 327

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#26

2,2-Dichloropropane

Concen: 2.289 ug/l

RT: 7.052 min Scan# 929

Delta R.T. -0.023 min

Lab File: VD074567.D

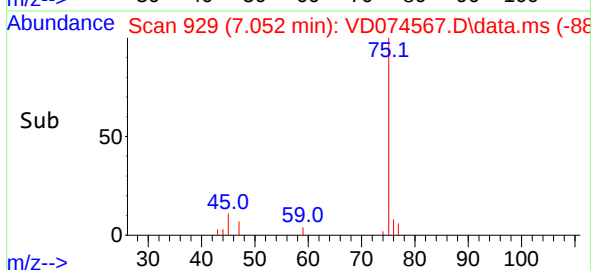
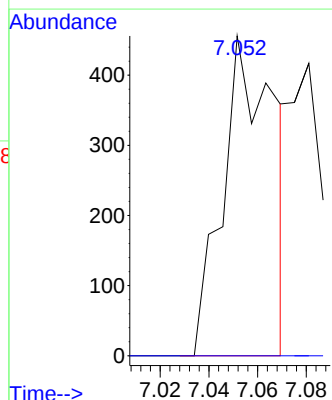
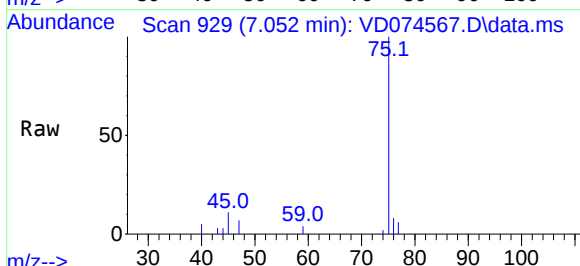
Acq: 18 Oct 2022 16:07

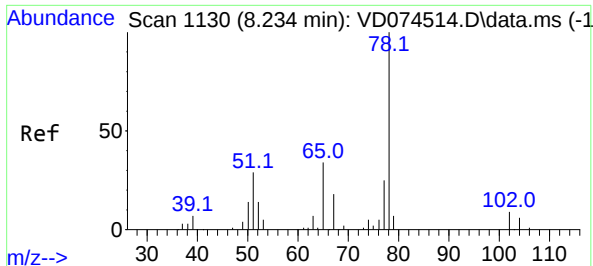
Tgt Ion: 77 Resp: 668

Ion Ratio Lower Upper

77 100

97 0.0 12.5 37.5#





#33

1,2-Dichloroethane-d4

Concen: 125.873 ug/l

RT: 8.228 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD074567.D

Acq: 18 Oct 2022 16:07

Instrument :

MSVOA\_D

ClientSampleId :

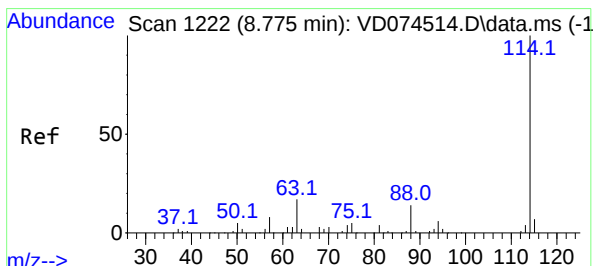
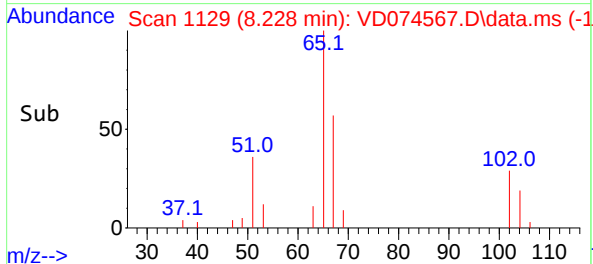
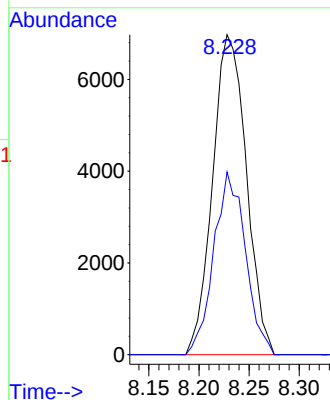
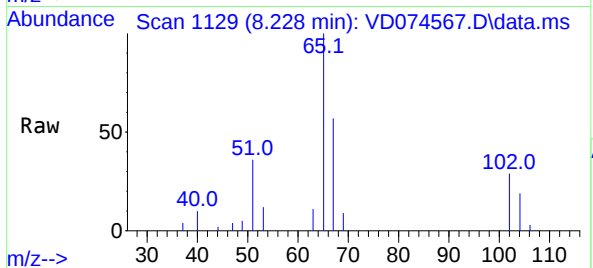
SB-05-3.5-4.0

Tgt Ion: 65 Resp: 16344

Ion Ratio Lower Upper

65 100

67 53.5 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074567.D

Acq: 18 Oct 2022 16:07

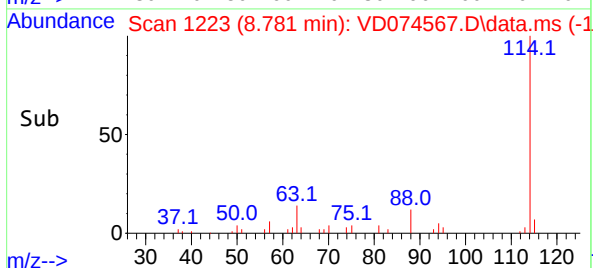
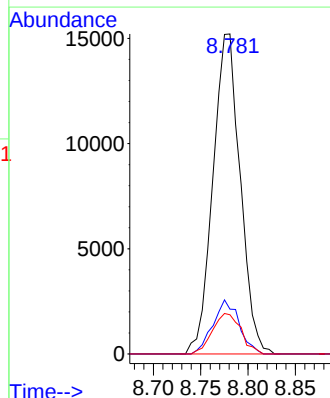
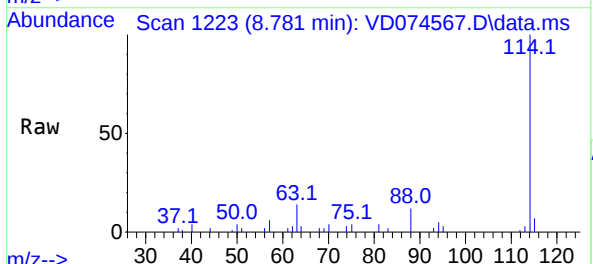
Tgt Ion: 114 Resp: 30503

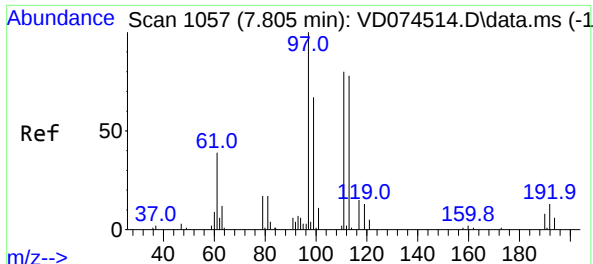
Ion Ratio Lower Upper

114 100

63 14.0 0.0 33.2

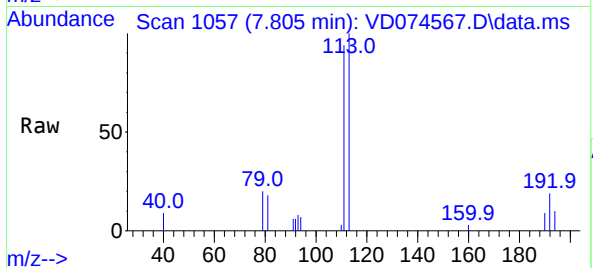
88 12.3 0.0 28.2



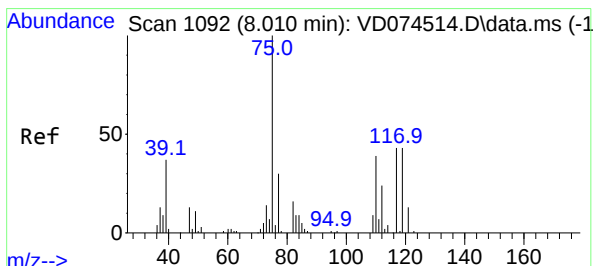
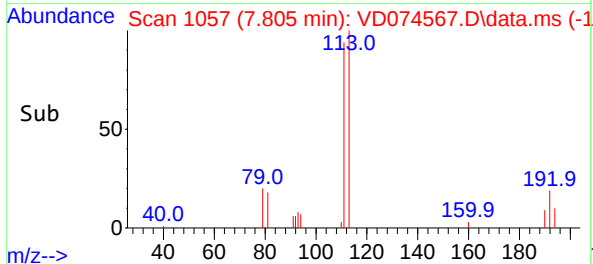
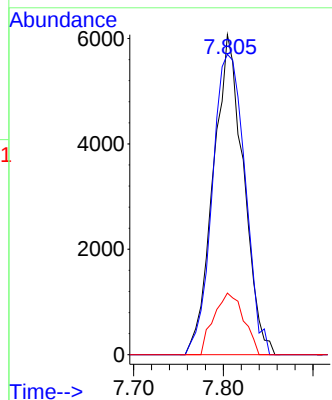


#35  
Dibromofluoromethane  
Concen: 78.770 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. 0.001 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-05-3.5-4.0

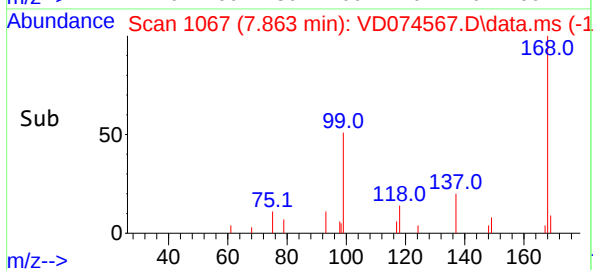
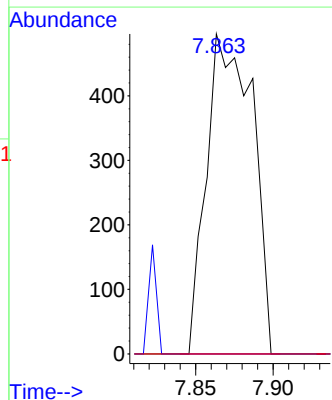
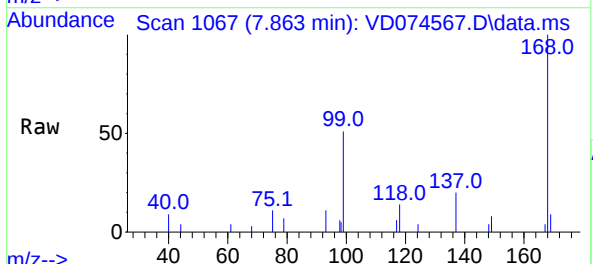


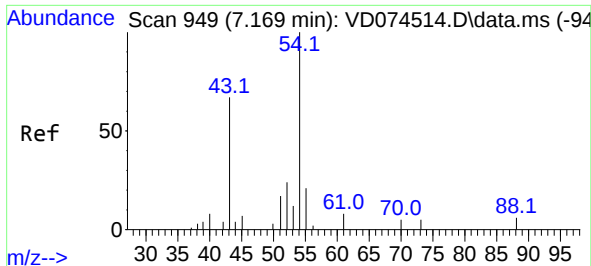
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 14182 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.8 | 82.3  | 123.5 |
| 192      | 19.0  | 16.4  | 24.6  |



#36  
1,1-Dichloropropene  
Concen: 3.495 ug/l  
RT: 7.863 min Scan# 1067  
Delta R.T. -0.141 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 1023  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 0.0   | 19.7  | 59.0# |
| 77       | 0.0   | 25.4  | 38.2# |





#37

Ethyl Acetate

Concen: 3.403 ug/l

RT: 7.058 min Scan# 91

Delta R.T. -0.111 min

Lab File: VD074567.D

Acq: 18 Oct 2022 16:07

Instrument :

MSVOA\_D

ClientSampleId :

SB-05-3.5-4.0

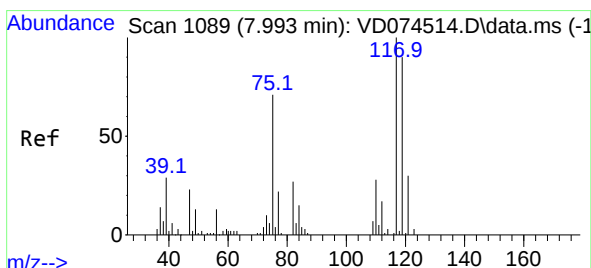
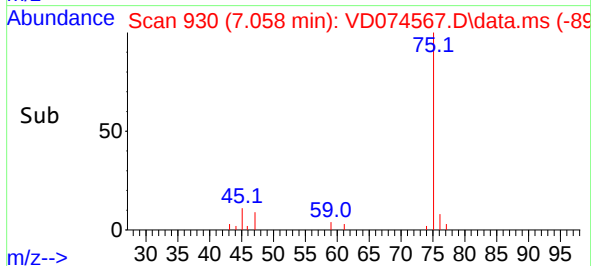
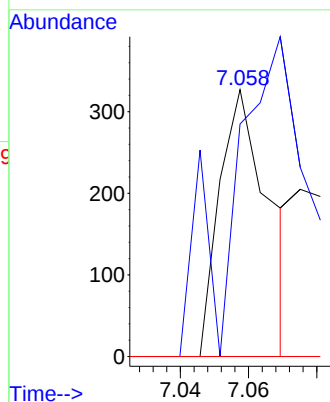
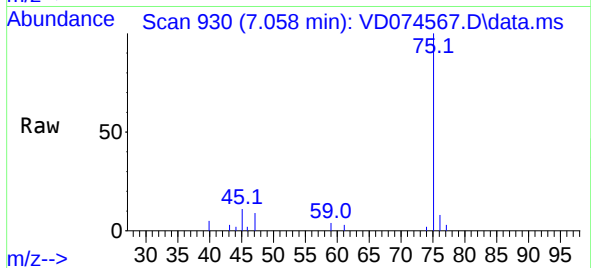
Tgt Ion: 43 Resp: 327

Ion Ratio Lower Upper

43 100

61 221.1 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 5.065 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD074567.D

Acq: 18 Oct 2022 16:07

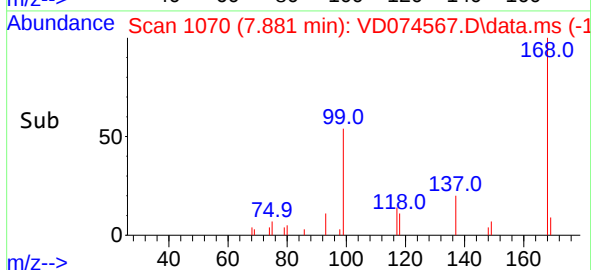
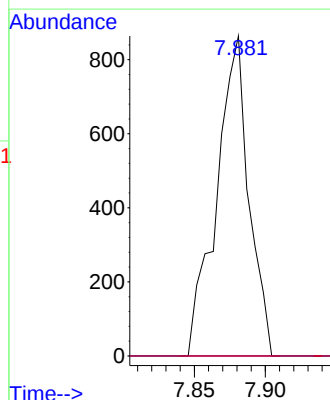
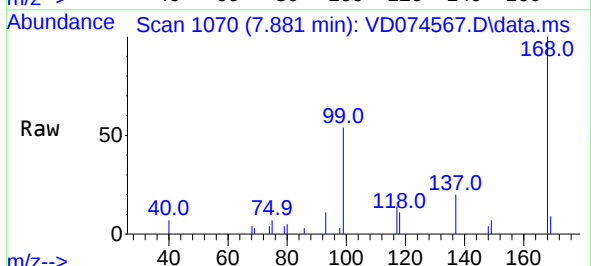
Tgt Ion: 117 Resp: 1371

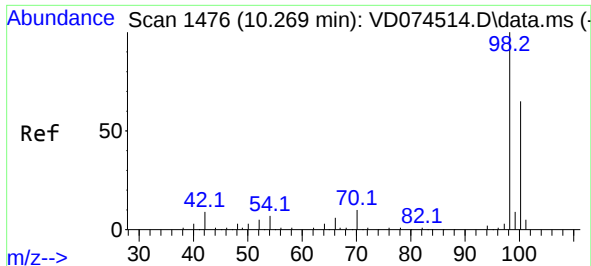
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

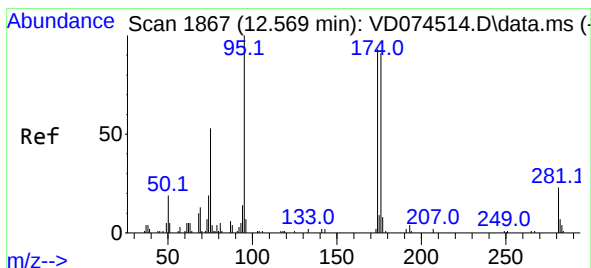
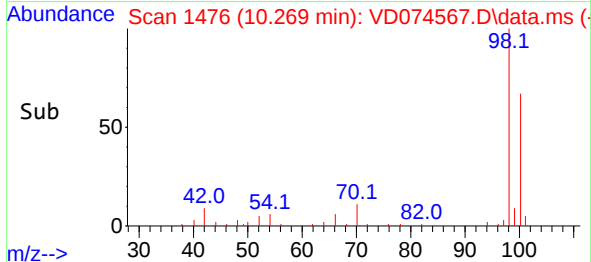
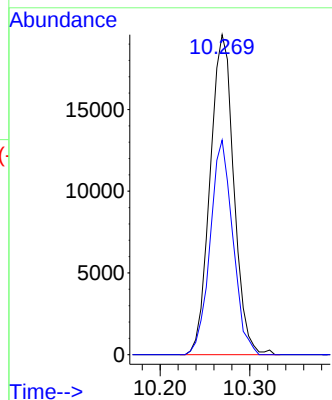
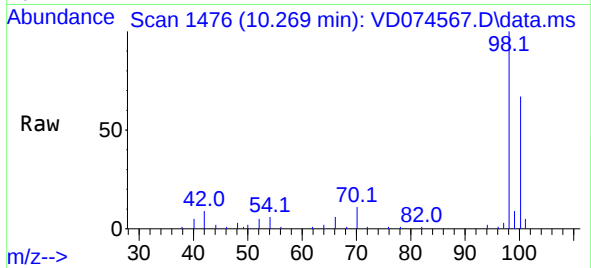




#50  
Toluene-d8  
Concen: 51.406 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

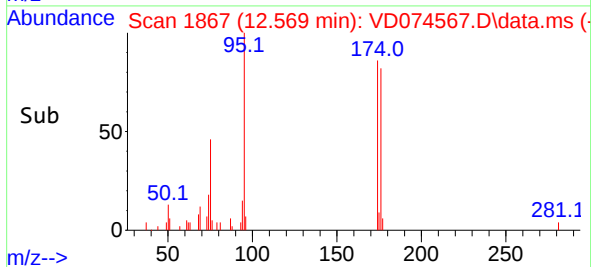
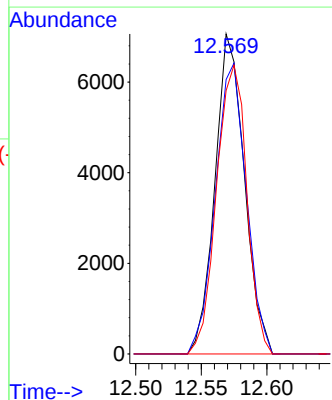
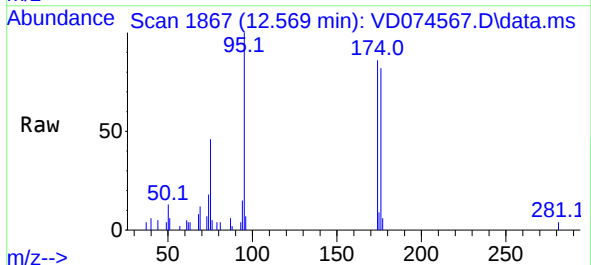
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-05-3.5-4.0

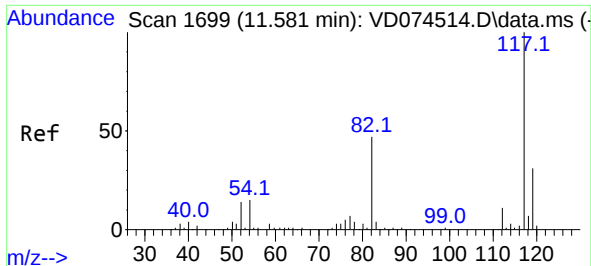
Tgt Ion: 98 Resp: 35931  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 51.539 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

Tgt Ion: 95 Resp: 11018  
Ion Ratio Lower Upper  
95 100  
174 95.5 0.0 197.0  
176 92.6 0.0 182.6

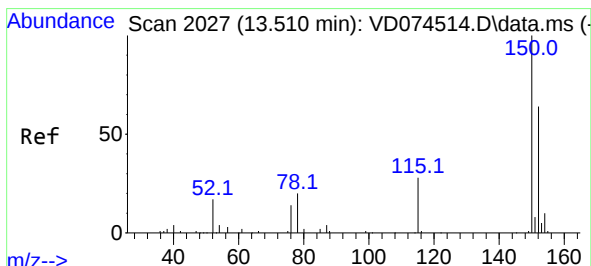
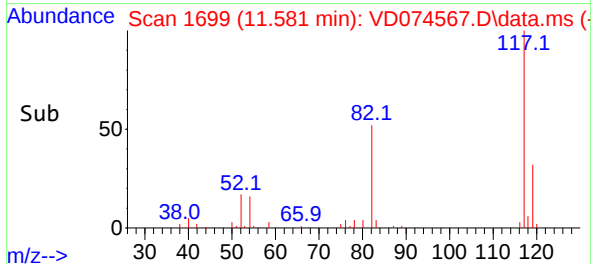
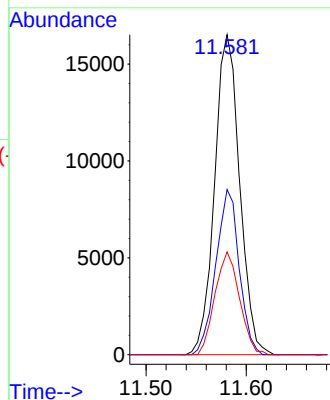
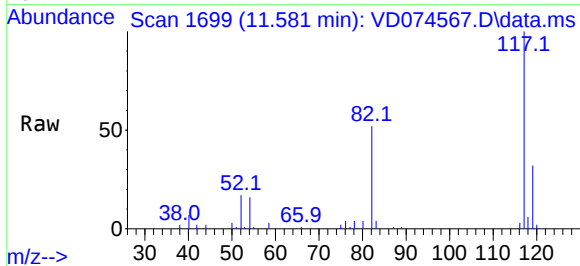




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

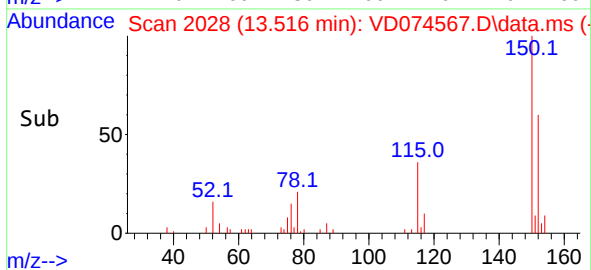
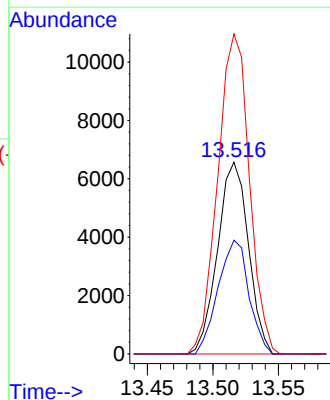
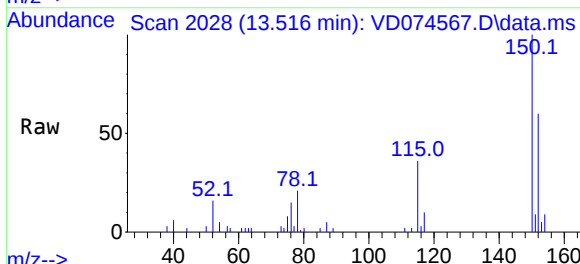
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-05-3.5-4.0

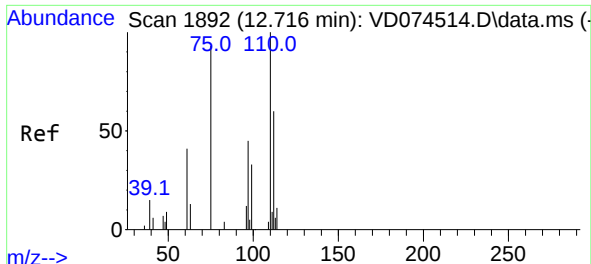
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 28691 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 51.6  | 41.6  | 62.4  |
| 119      | 32.1  | 25.2  | 37.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 10748 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 59.1  | 26.8  | 80.4  |
| 150      | 171.1 | 0.0   | 348.2 |

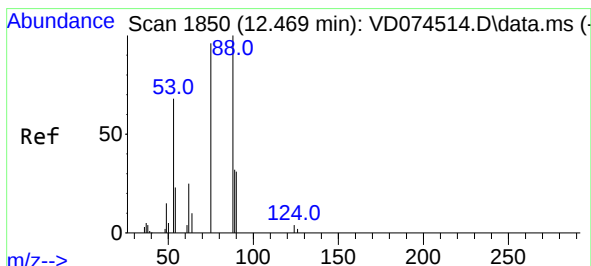
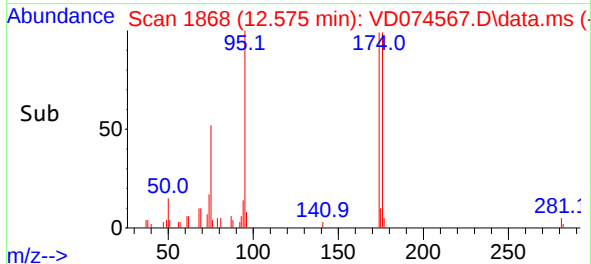
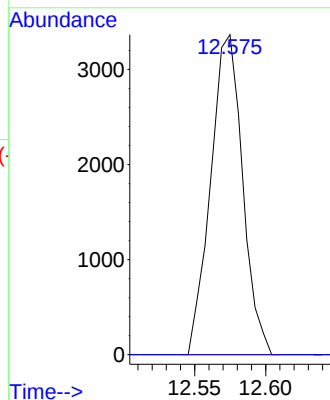
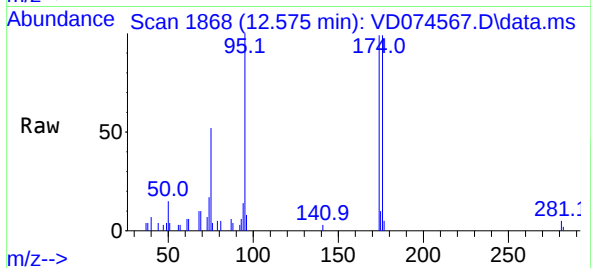




#76  
1,2,3-Trichloropropane  
Concen: 57.352 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.141 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-05-3.5-4.0

Tgt Ion: 75 Resp: 5268  
Ion Ratio Lower Upper  
75 100  
77 0.0 185.8 557.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 145.480 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.112 min  
Lab File: VD074567.D  
Acq: 18 Oct 2022 16:07

Tgt Ion: 75 Resp: 5268  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

