

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081722\  
 Data File : VD074126.D  
 Acq On : 17 Aug 2022 16:09  
 Operator : VA/SY  
 Sample : N4188-16  
 Misc : 10.43G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S10

Quant Time: Aug 18 03:21:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081522S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 01:41:25 2022  
 Response via : Initial Calibration

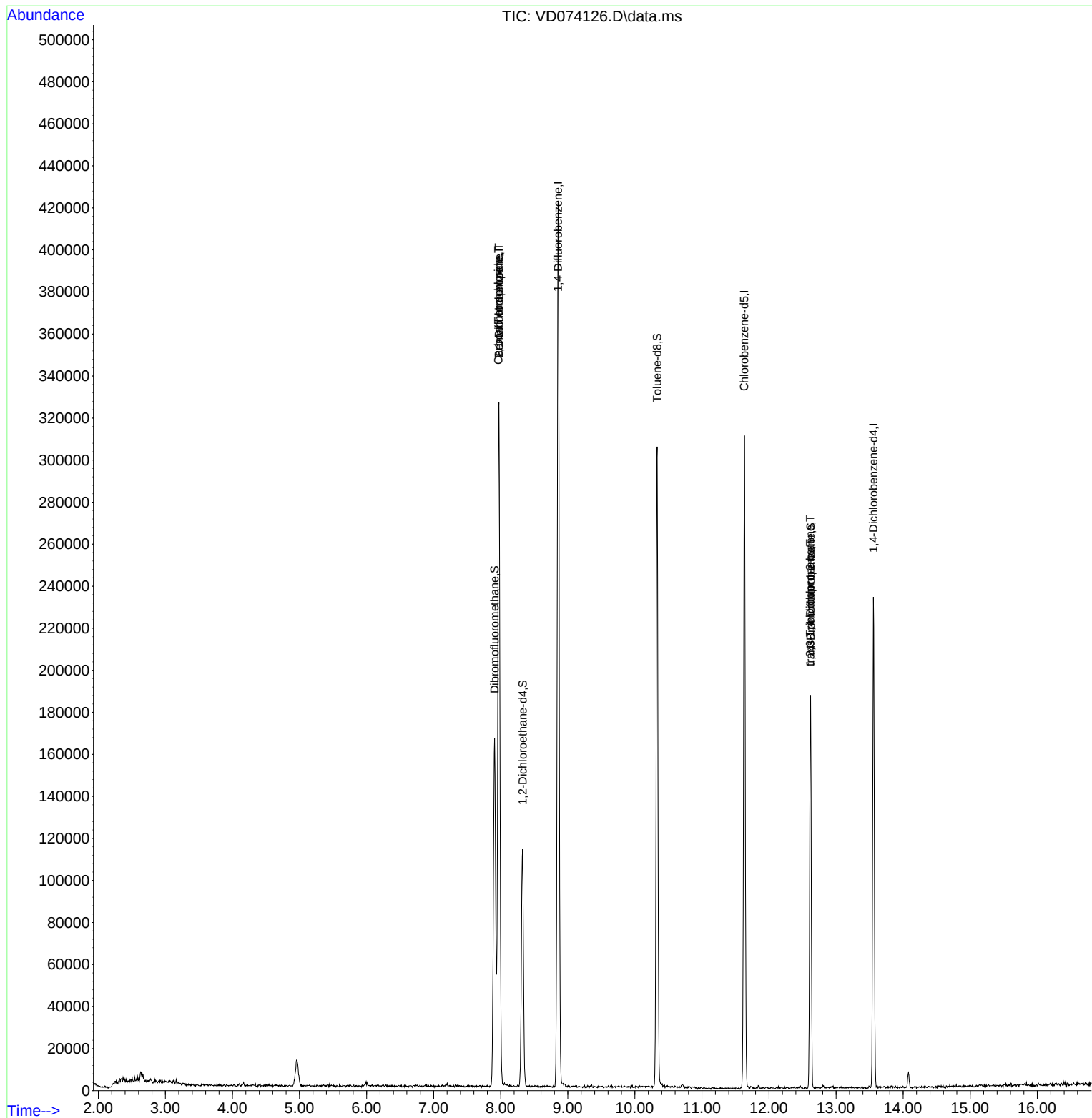
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 248051   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855  | 114   | 372681   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.632 | 117   | 175355   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.555 | 152   | 59389    | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 91027    | 49.161    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 98.320%  |
| 35) Dibromofluoromethane      | 7.908  | 113   | 119336   | 50.110    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 100.220% |
| 50) Toluene-d8                | 10.332 | 98    | 211181   | 29.206    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 58.420%  |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 53024    | 17.758    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 35.520%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
| 2) Dichlorodifluoromethane    | 1.991  | 85    | 199      | Below Cal | #      | 43       |
| 3) Chloromethane              | 2.209  | 50    | 167      | Below Cal | #      | 40       |
| 6) Chloroethane               | 3.015  | 64    | 54       | Below Cal | #      | 42       |
| 7) Trichlorofluoromethane     | 3.262  | 101   | 496      | Below Cal | #      | 98       |
| 9) 1,1,2-Trichlorotrifluo...  | 4.079  | 101   | 108      | Below Cal | #      | 20       |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 55       | Below Cal | #      | 1        |
| 16) Acetone                   | 4.150  | 43    | 803      | Below Cal | #      | 47       |
| 17) Carbon Disulfide          | 4.397  | 76    | 351      | Below Cal | #      | 74       |
| 20) Methylene Chloride        | 4.956  | 84    | 10752    | Below Cal | #      | 71       |
| 31) Cyclohexane               | 7.973  | 56    | 5278     | Below Cal | #      | 1        |
| 36) 1,1-Dichloropropene       | 7.973  | 75    | 18118    | 5.579     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.967  | 117   | 25425    | 6.783     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.614 | 75    | 29422    | 55.597    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.614 | 75    | 29422    | 155.053   | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

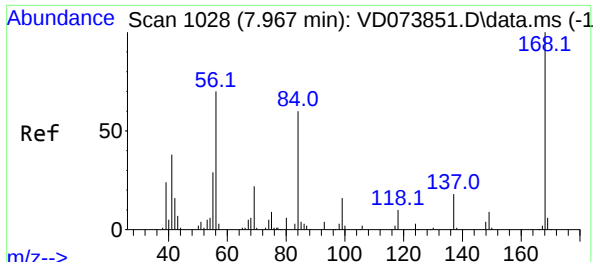
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081722\  
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Instrument :  
MSVOA\_D  
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QLast Update : Tue Aug 16 01:41:25 2022  
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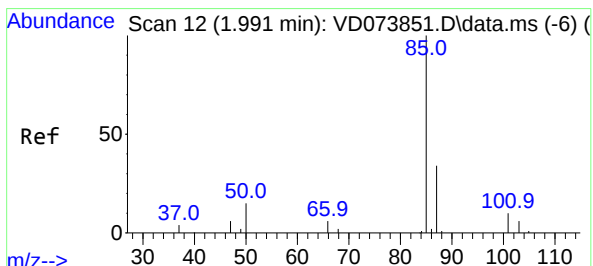
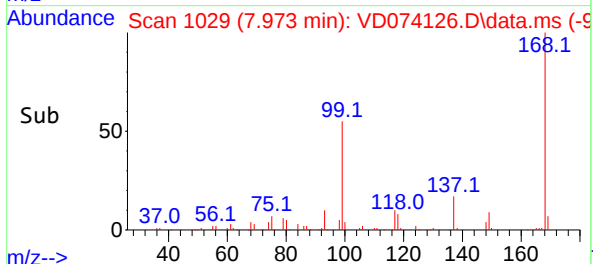
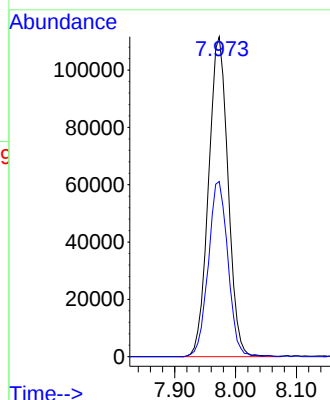
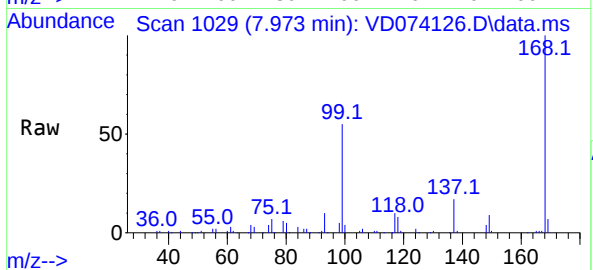




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

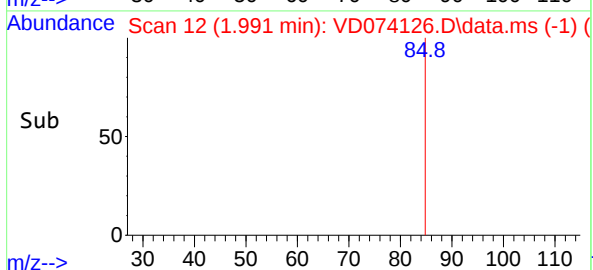
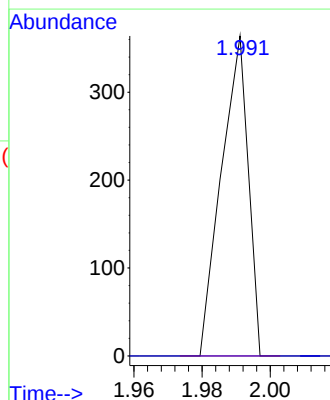
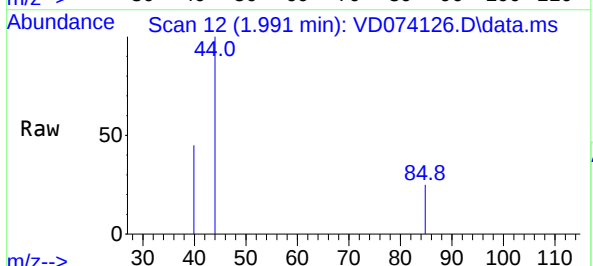
Instrument :  
MSVOA\_D  
ClientSampleId :  
S10

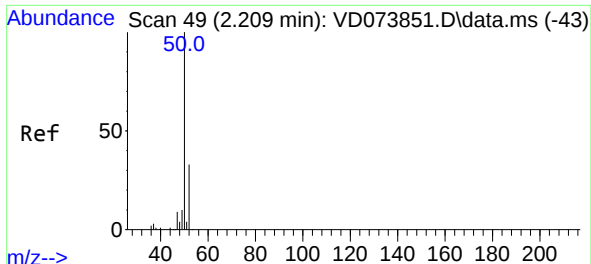
Tgt Ion:168 Resp: 248051  
Ion Ratio Lower Upper  
168 100  
99 54.7 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

Tgt Ion: 85 Resp: 199  
Ion Ratio Lower Upper  
85 100  
87 0.0 15.7 47.0#

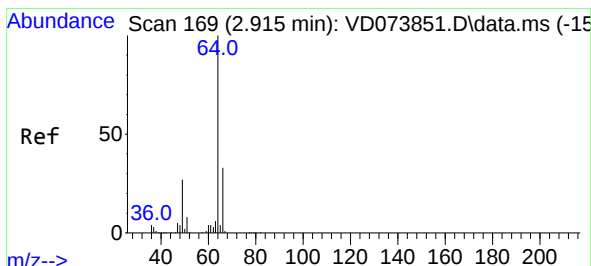
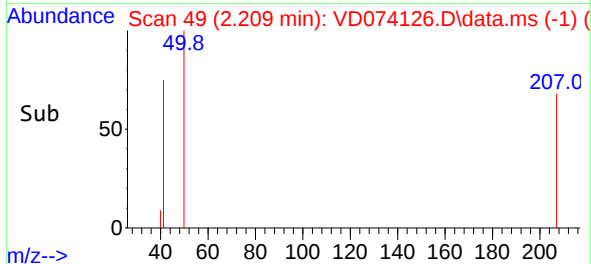
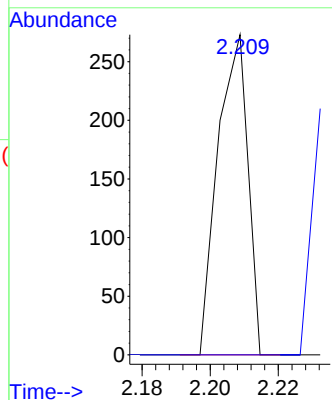
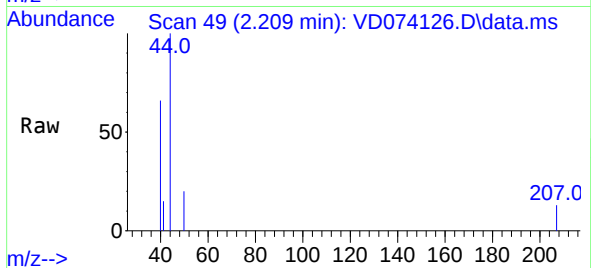




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

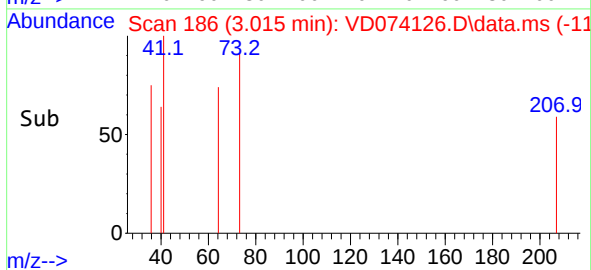
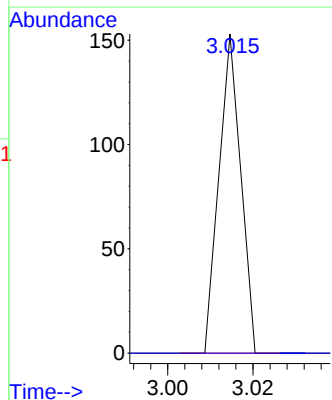
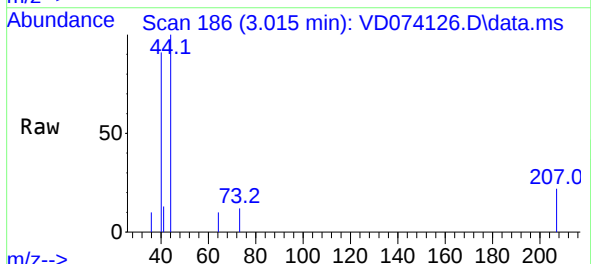
Instrument :  
MSVOA\_D  
ClientSampleId :  
S10

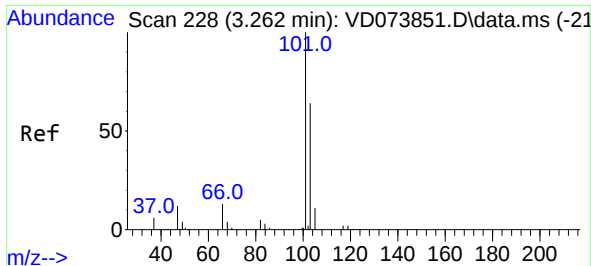
Tgt Ion: 50 Resp: 167  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.4 41.0#



#6  
Chloroethane  
Concen: Below Cal  
RT: 3.015 min Scan# 186  
Delta R.T. 0.100 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

Tgt Ion: 64 Resp: 54  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.9 38.9#





#7 Trichlorofluoromethane

Concen: Below Cal

RT: 3.262 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD074126.D

Acq: 17 Aug 2022 16:09

Instrument :

MSVOA\_D

ClientSampleId :

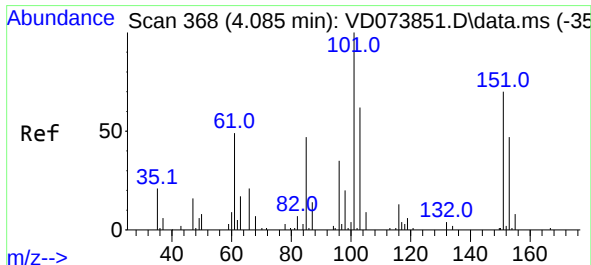
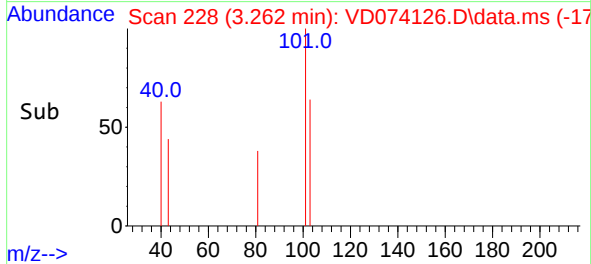
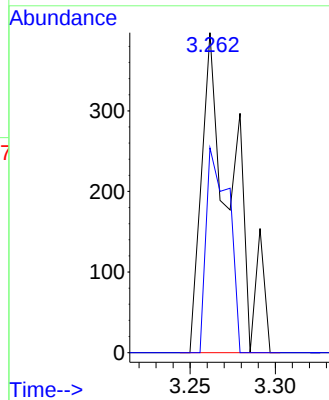
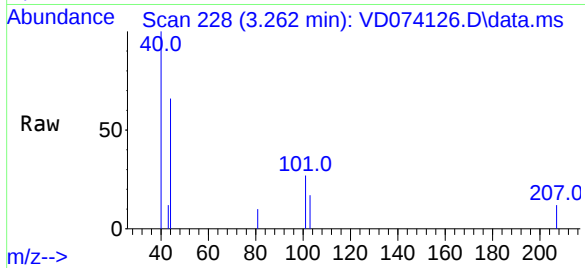
S10

Tgt Ion:101 Resp: 496

Ion Ratio Lower Upper

101 100

103 64.0 50.1 75.1



#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 4.079 min Scan# 367

Delta R.T. -0.006 min

Lab File: VD074126.D

Acq: 17 Aug 2022 16:09

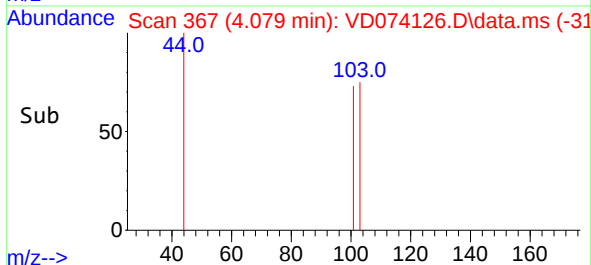
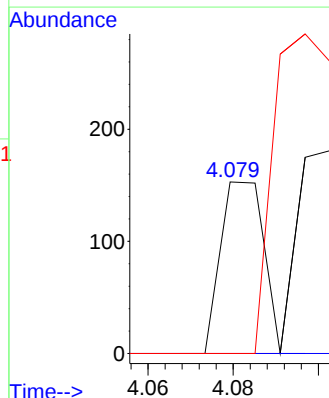
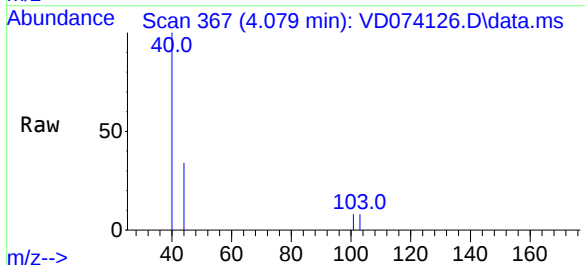
Tgt Ion:101 Resp: 108

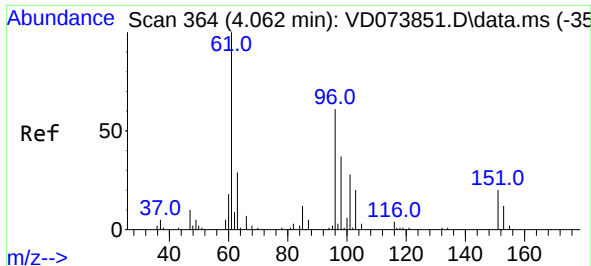
Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

151 0.0 57.3 85.9#





#12

1,1-Dichloroethene

Concen: Below Cal

RT: 4.050 min Scan# 30

Delta R.T. -0.012 min

Lab File: VD074126.D

Acq: 17 Aug 2022 16:09

Instrument :

MSVOA\_D

ClientSampleId :

S10

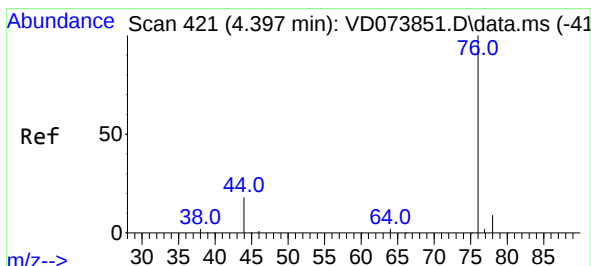
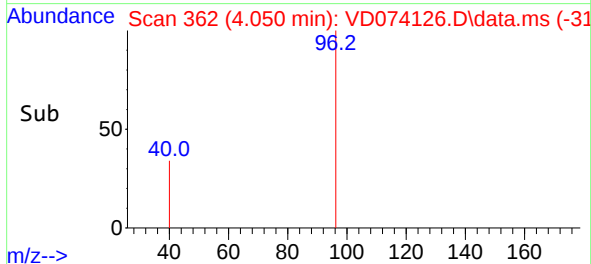
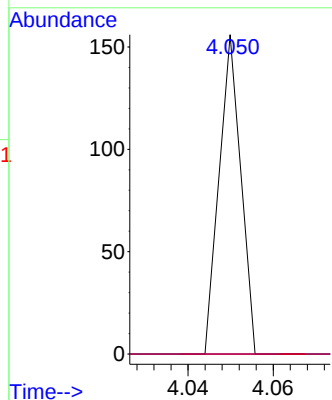
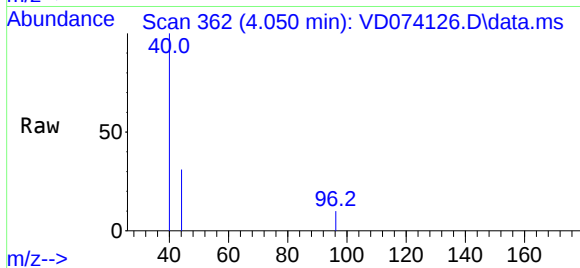
Tgt Ion: 96 Resp: 55

Ion Ratio Lower Upper

96 100

61 0.0 138.5 207.7#

98 0.0 48.6 73.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.397 min Scan# 421

Delta R.T. -0.000 min

Lab File: VD074126.D

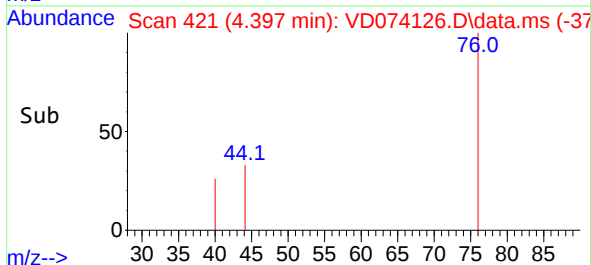
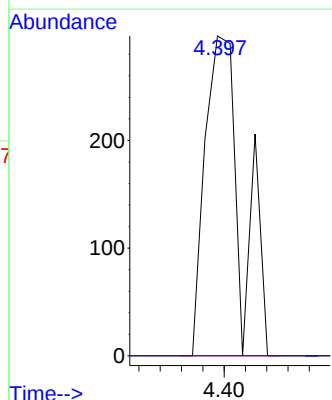
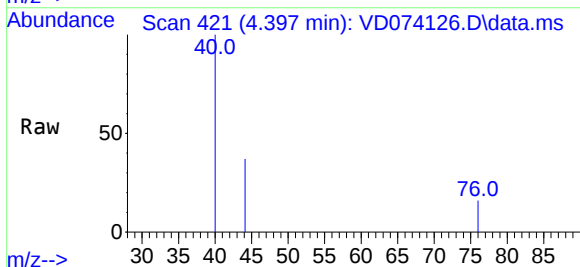
Acq: 17 Aug 2022 16:09

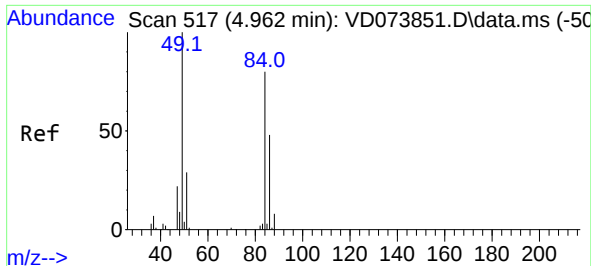
Tgt Ion: 76 Resp: 351

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD074126.D

Acq: 17 Aug 2022 16:09

Instrument :

MSVOA\_D

ClientSampleId :

S10

Tgt Ion: 84 Resp: 10752

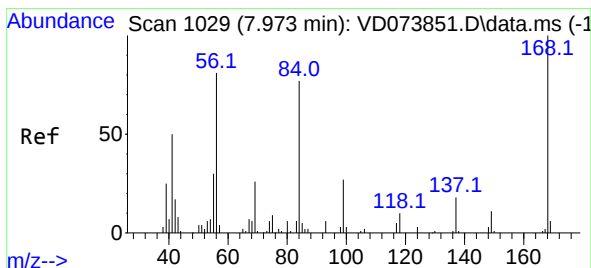
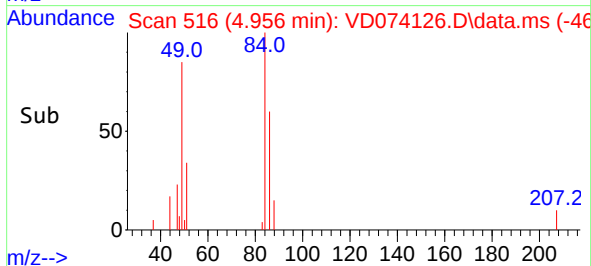
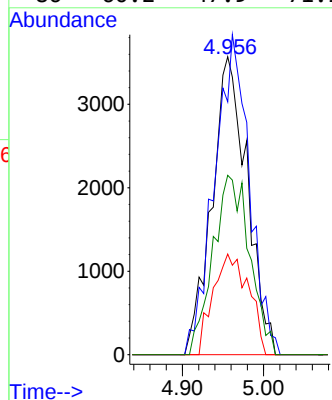
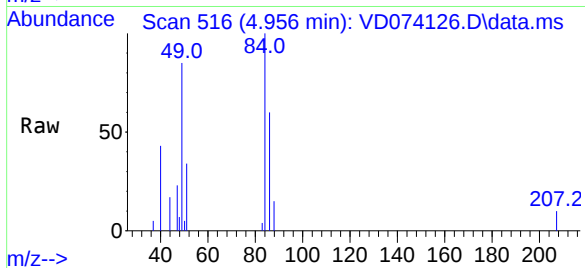
Ion Ratio Lower Upper

84 100

49 84.8 112.8 169.2#

51 33.8 32.6 48.8

86 60.2 47.9 71.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD074126.D

Acq: 17 Aug 2022 16:09

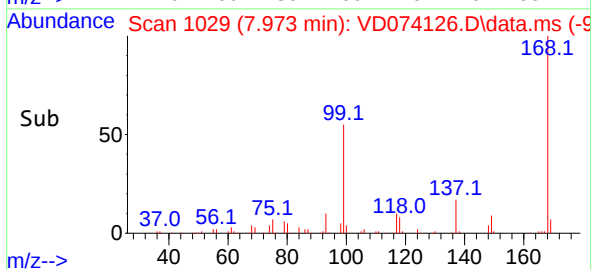
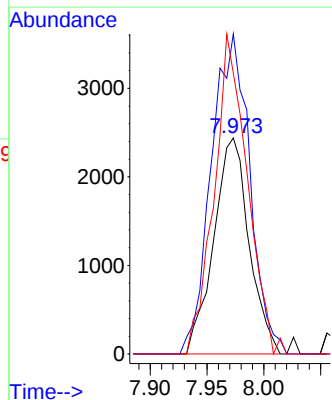
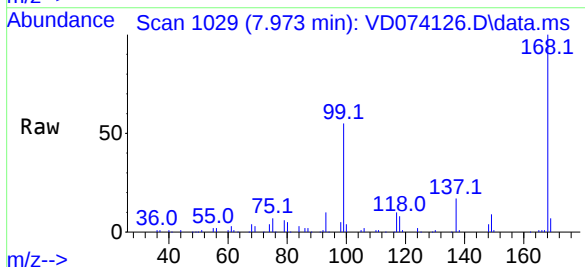
Tgt Ion: 56 Resp: 5278

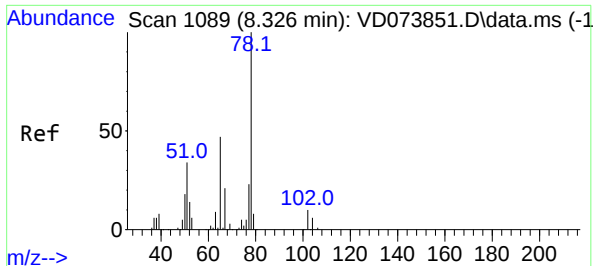
Ion Ratio Lower Upper

56 100

69 148.1 25.4 38.2#

84 130.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.161 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD074126.D

Acq: 17 Aug 2022 16:09

Instrument :

MSVOA\_D

ClientSampleId :

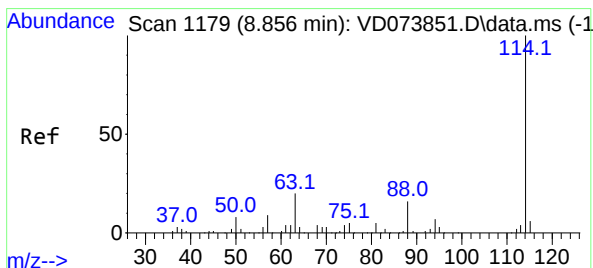
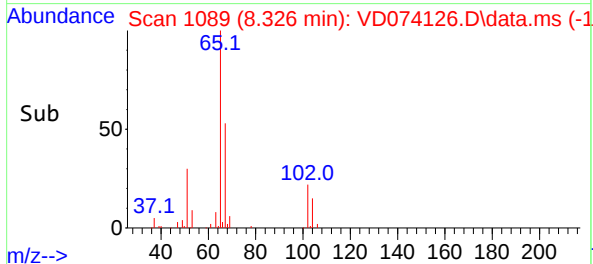
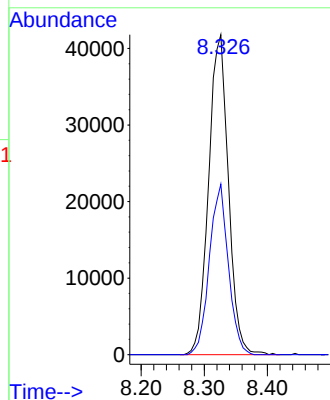
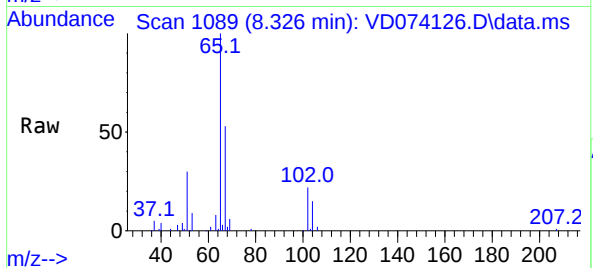
S10

Tgt Ion: 65 Resp: 91027

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074126.D

Acq: 17 Aug 2022 16:09

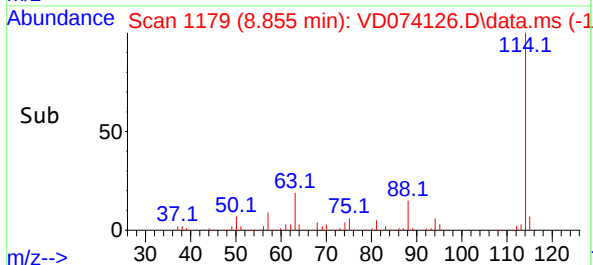
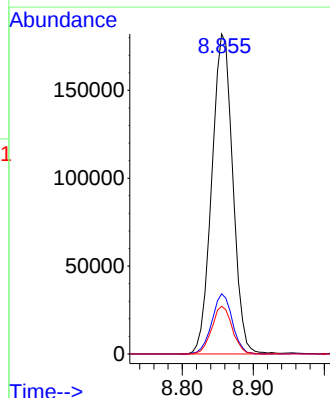
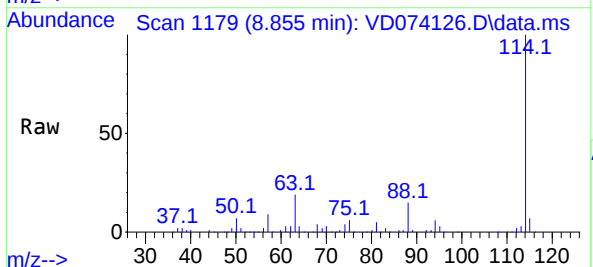
Tgt Ion: 114 Resp: 372681

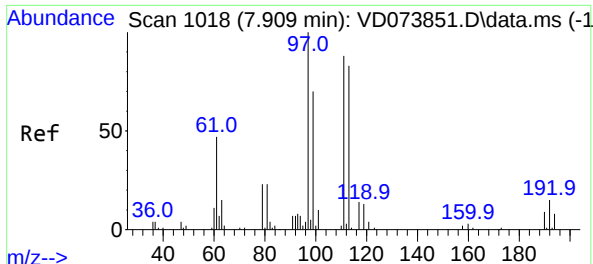
Ion Ratio Lower Upper

114 100

63 18.8 0.0 46.6

88 14.9 0.0 33.2

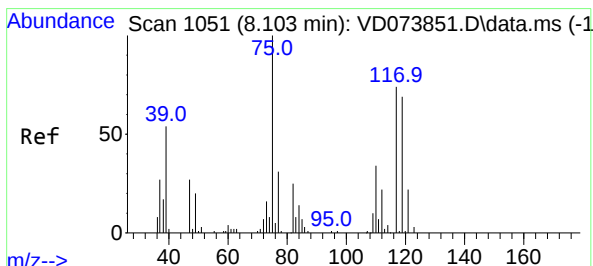
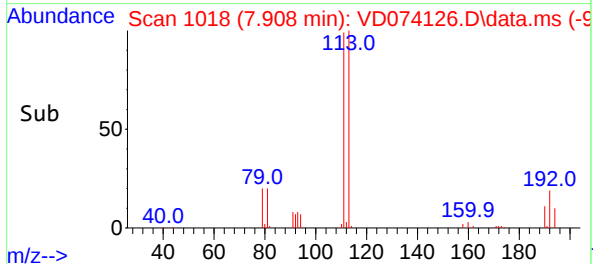
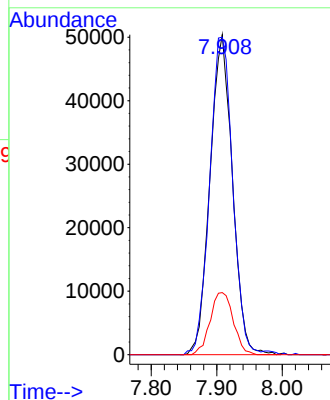
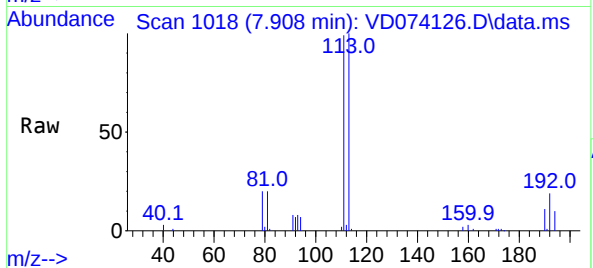




#35  
Dibromofluoromethane  
Concen: 50.110 ug/l  
RT: 7.908 min Scan# 1029  
Delta R.T. -0.001 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

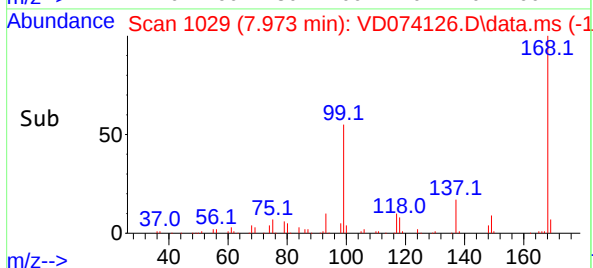
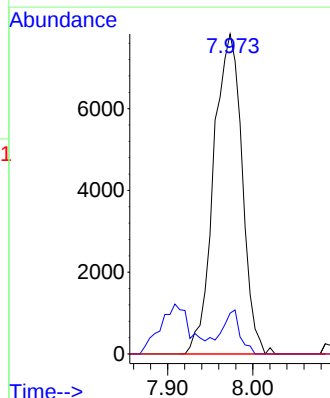
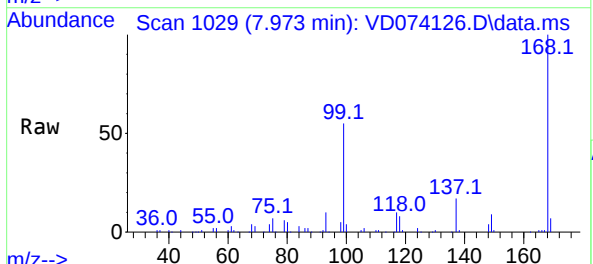
Instrument :  
MSVOA\_D  
ClientSampleId :  
S10

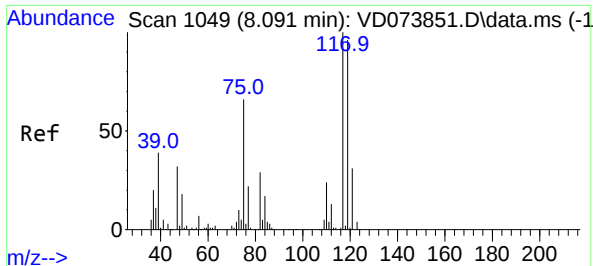
Tgt Ion:113 Resp: 119336  
Ion Ratio Lower Upper  
113 100  
111 101.8 83.8 125.6  
192 20.1 14.6 21.8



#36  
1,1-Dichloropropene  
Concen: 5.579 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.130 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

Tgt Ion: 75 Resp: 18118  
Ion Ratio Lower Upper  
75 100  
110 8.0 16.4 49.1#  
77 0.0 24.2 36.2#

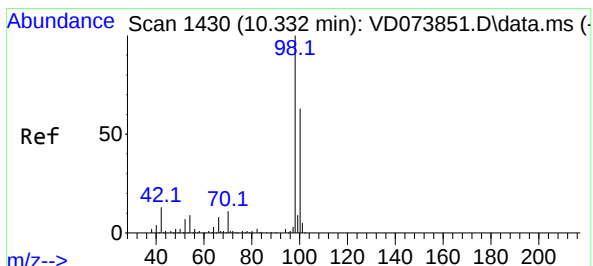
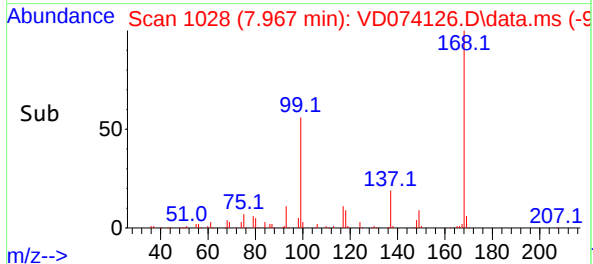
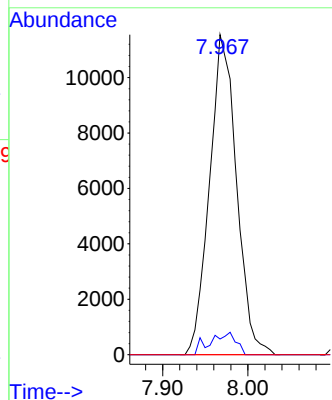
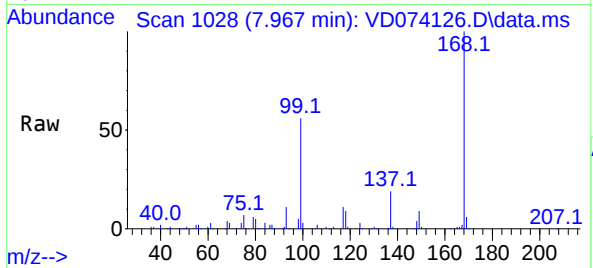




#38  
Carbon Tetrachloride  
Concen: 6.783 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.124 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

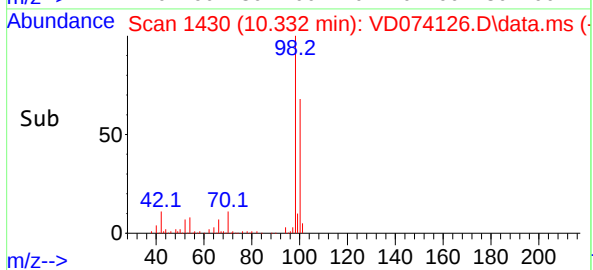
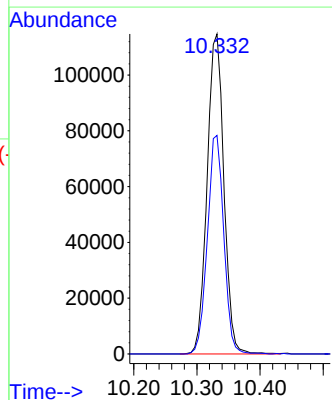
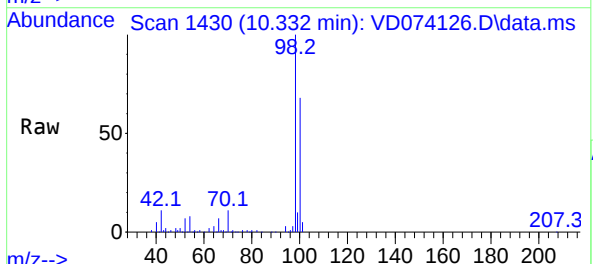
Instrument :  
MSVOA\_D  
ClientSampleId :  
S10

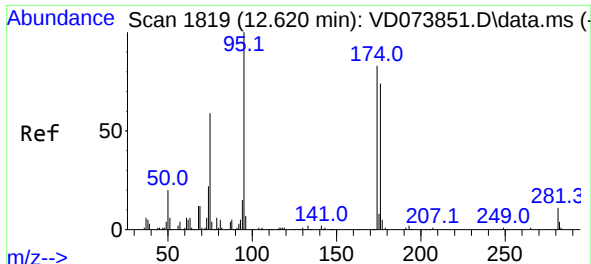
Tgt Ion:117 Resp: 25425  
Ion Ratio Lower Upper  
117 100  
119 4.9 75.8 113.6#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 29.206 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

Tgt Ion: 98 Resp: 211181  
Ion Ratio Lower Upper  
98 100  
100 66.8 52.4 78.6

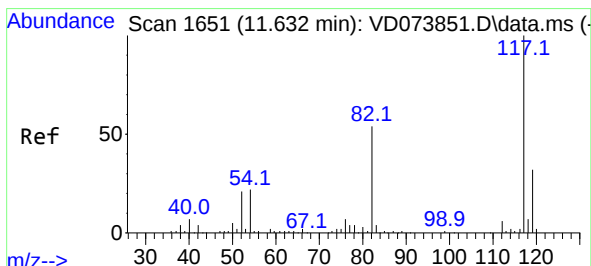
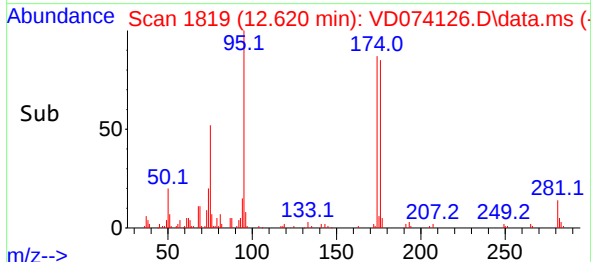
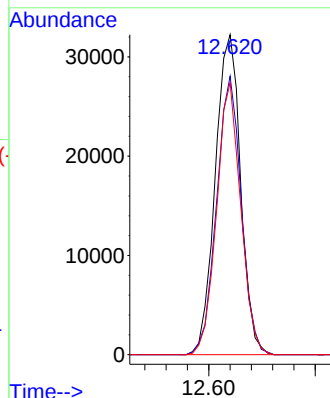
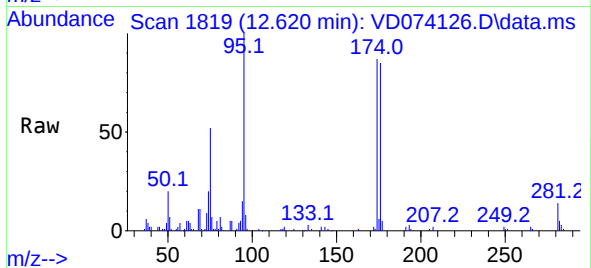




#62  
4-Bromofluorobenzene  
Concen: 17.758 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

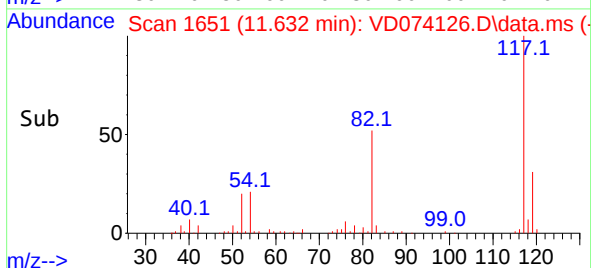
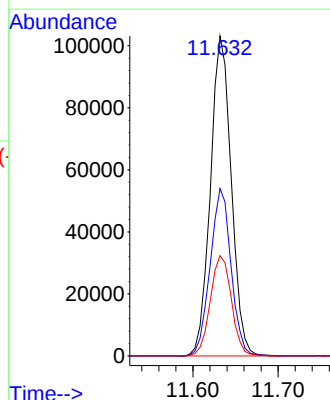
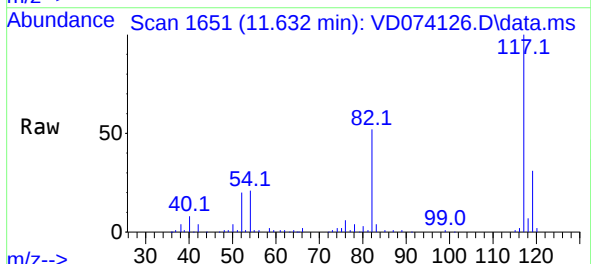
Instrument :  
MSVOA\_D  
ClientSampleId :  
S10

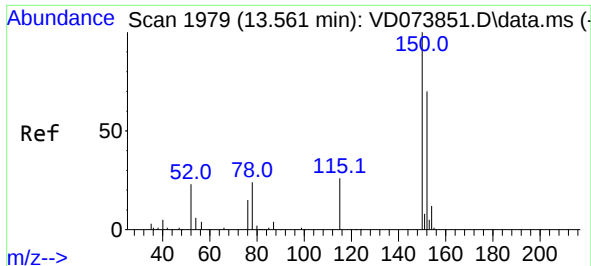
Tgt Ion: 95 Resp: 53024  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 152.8  
176 80.8 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.000 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

Tgt Ion: 117 Resp: 175355  
Ion Ratio Lower Upper  
117 100  
82 52.3 45.3 67.9  
119 31.3 26.6 40.0

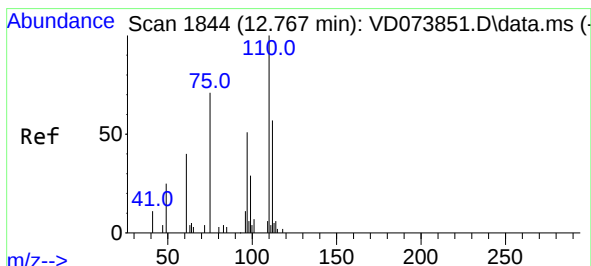
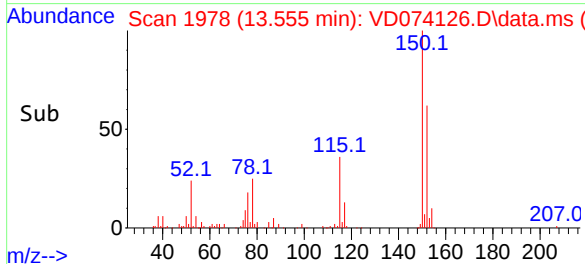
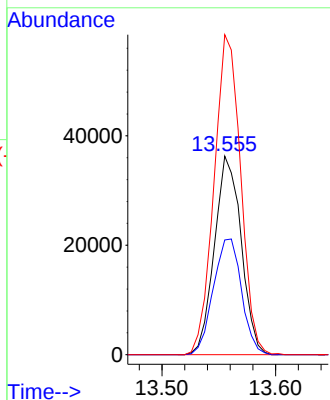
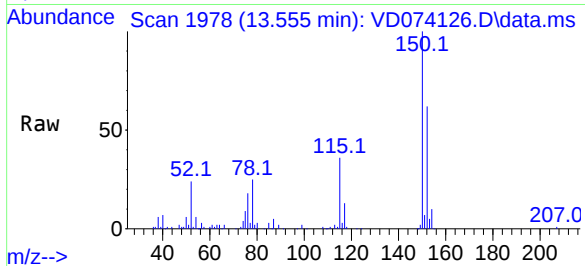




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.555 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

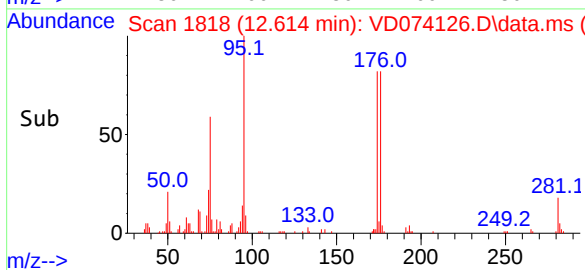
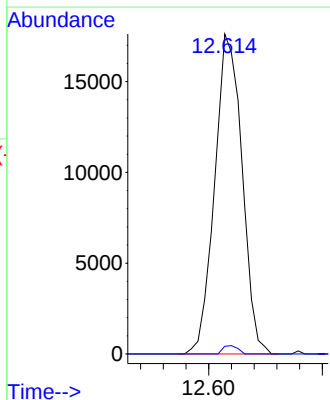
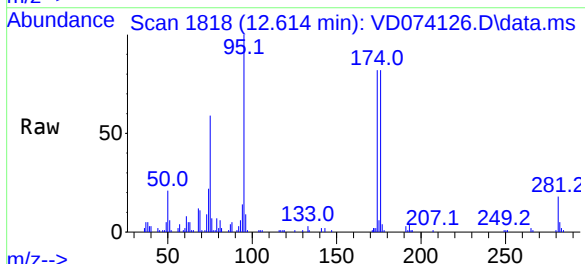
Instrument :  
MSVOA\_D  
ClientSampleId :  
S10

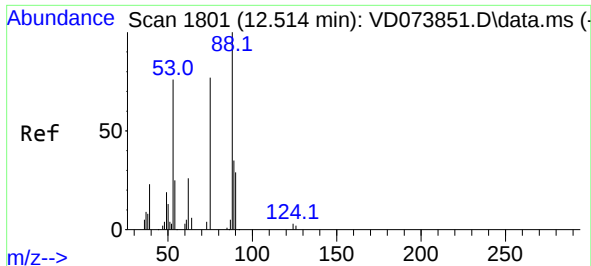
Tgt Ion:152 Resp: 59389  
Ion Ratio Lower Upper  
152 100  
115 61.5 31.3 93.8  
150 160.3 0.0 348.6



#76  
1,2,3-Trichloropropane  
Concen: 55.597 ug/l  
RT: 12.614 min Scan# 1818  
Delta R.T. -0.153 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

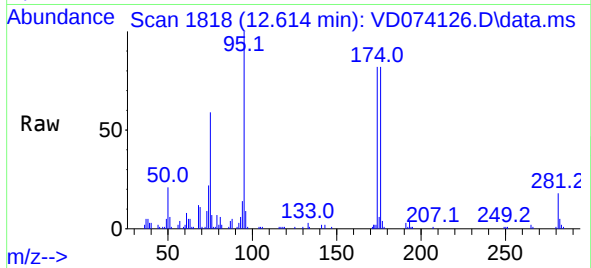
Tgt Ion: 75 Resp: 29422  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 155.053 ug/l  
RT: 12.614 min Scan# 11  
Delta R.T. 0.100 min  
Lab File: VD074126.D  
Acq: 17 Aug 2022 16:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
S10



Tgt Ion: 75 Resp: 29422  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.5 129.7#  
89 0.0 33.9 50.9#

