

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071723\  
 Data File : VD076753.D  
 Acq On : 17 Jul 2023 14:32  
 Operator : KP/SY  
 Sample : 03645-03  
 Misc : 5.74G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-07-(1-3)

Quant Time: Jul 18 01:23:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 17 08:07:52 2023  
 Response via : Initial Calibration

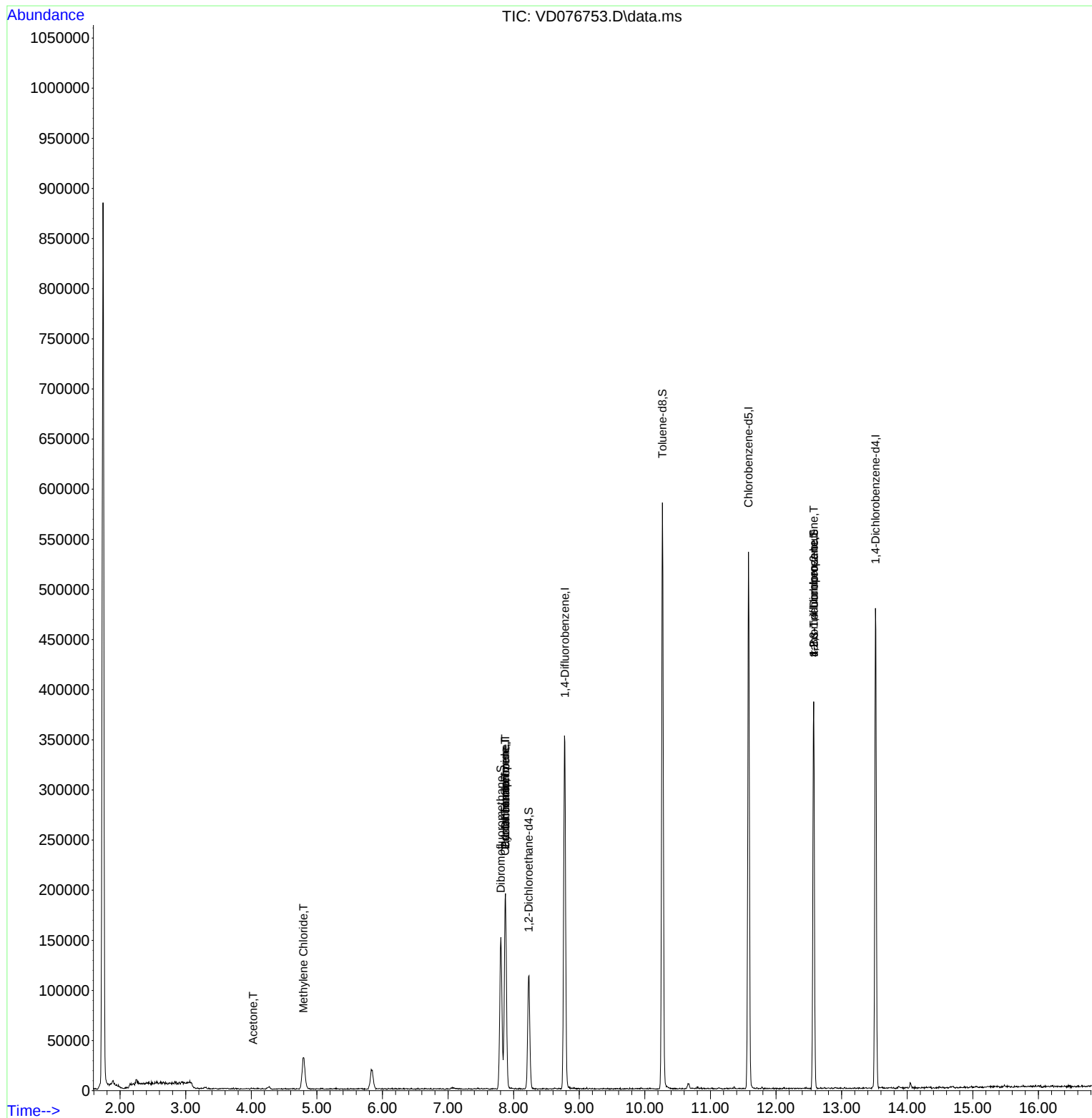
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.875     | 168   | 150618   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.781     | 114   | 331615   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581    | 117   | 315417   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 128769   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228     | 65    | 87169    | 58.105   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 116.200% |          |
| 35) Dibromofluoromethane      | 7.804     | 113   | 109076   | 52.342   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 104.680% |          |
| 50) Toluene-d8                | 10.269    | 98    | 411840   | 55.244   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 110.480% |          |
| 62) 4-Bromofluorobenzene      | 12.575    | 95    | 120843   | 50.108   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 100.220% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 4.028     | 43    | 862      | 2.406    | ug/l       | # 32     |
| 20) Methylene Chloride        | 4.793     | 84    | 26388    | 2.606    | ug/l       | 90       |
| 31) Cyclohexane               | 7.875     | 56    | 3365     | 1.524    | ug/l       | # 48     |
| 36) 1,1-Dichloropropene       | 7.875     | 75    | 11856    | 4.354    | ug/l       | # 47     |
| 38) Carbon Tetrachloride      | 7.869     | 117   | 15203    | 5.831    | ug/l       | # 11     |
| 76) 1,2,3-Trichloropropane    | 12.575    | 75    | 62765    | 51.254   | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.575    | 75    | 62765    | 109.083  | ug/l       | # 17     |
| -----                         |           |       |          |          |            |          |

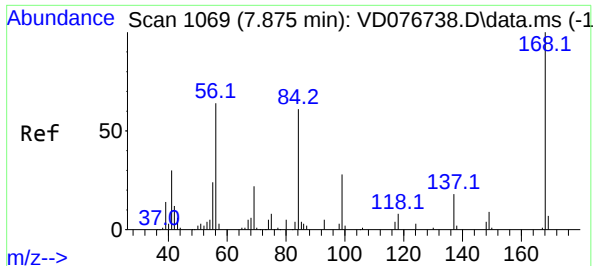
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-07-(1-3)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 17 08:07:52 2023  
Response via : Initial Calibration

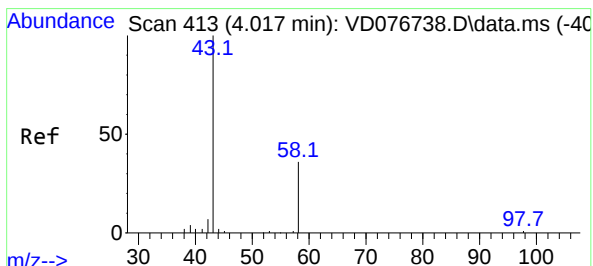
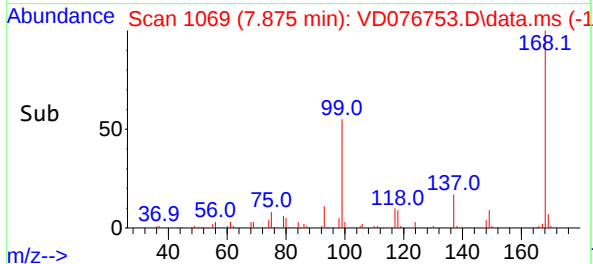
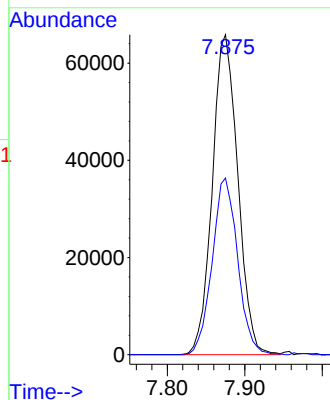
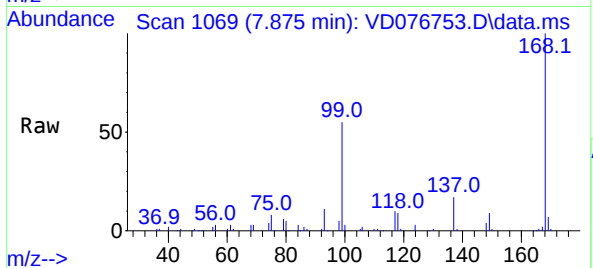




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076753.D  
Acq: 17 Jul 2023 14:32

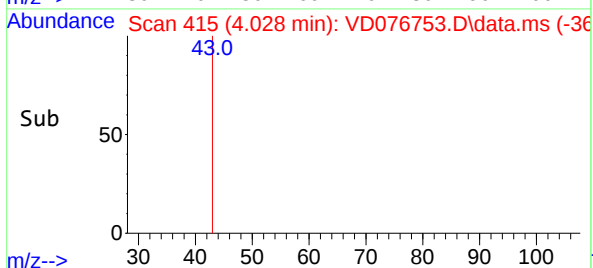
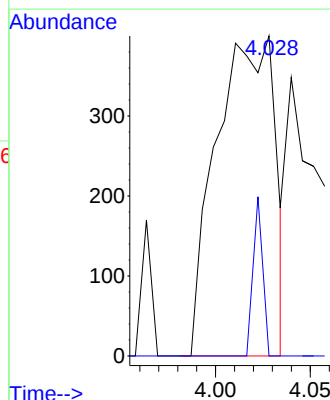
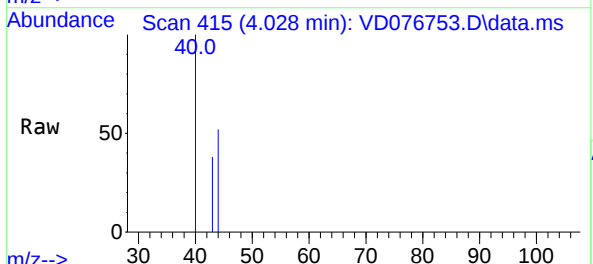
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-07-(1-3)

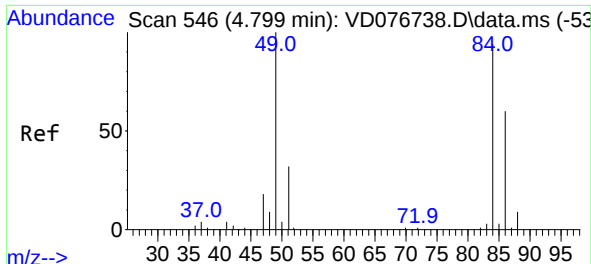
Tgt Ion:168 Resp: 150618  
Ion Ratio Lower Upper  
168 100  
99 55.2 36.7 55.1#



#16  
Acetone  
Concen: 2.406 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.011 min  
Lab File: VD076753.D  
Acq: 17 Jul 2023 14:32

Tgt Ion: 43 Resp: 862  
Ion Ratio Lower Upper  
43 100  
58 0.0 34.7 52.1#



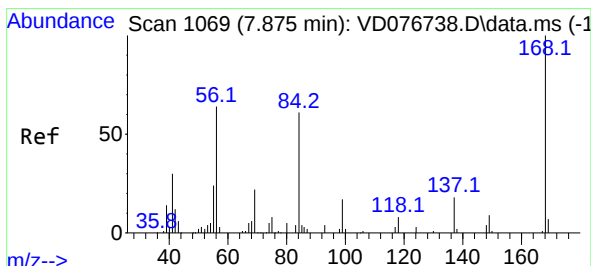
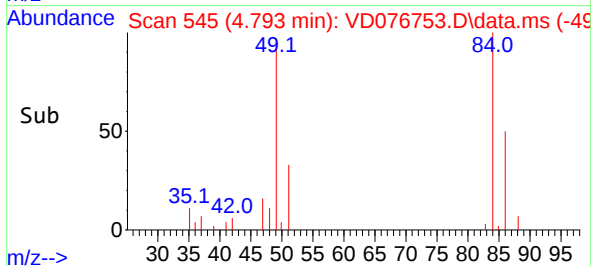
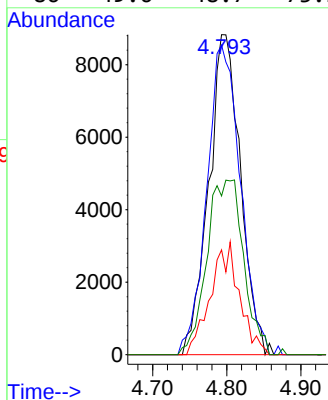
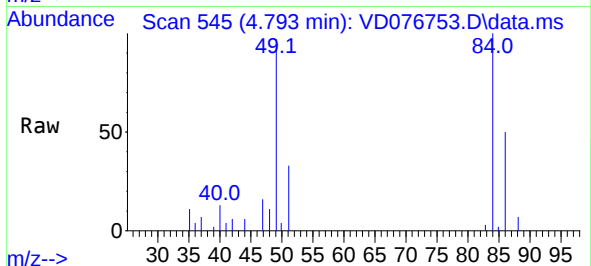


#20  
Methylene Chloride  
Concen: 2.606 ug/l  
RT: 4.793 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VD076753.D  
Acq: 17 Jul 2023 14:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-07-(1-3)

Tgt Ion: 84 Resp: 26388

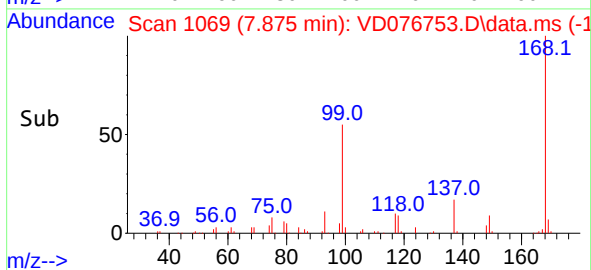
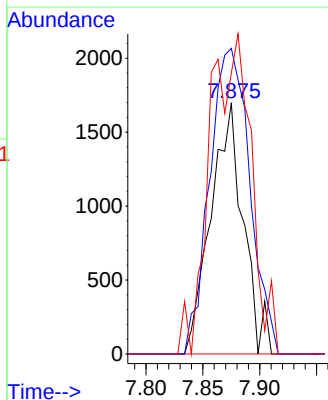
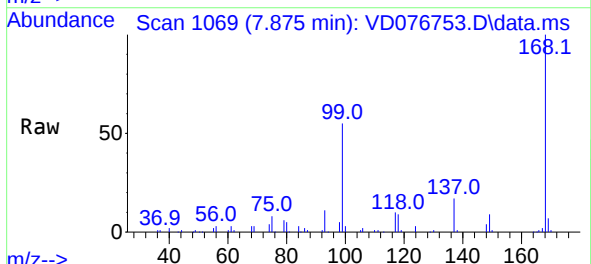
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 96.7  | 71.4  | 107.2 |
| 51  | 32.7  | 24.5  | 36.7  |
| 86  | 49.6  | 48.7  | 73.1  |

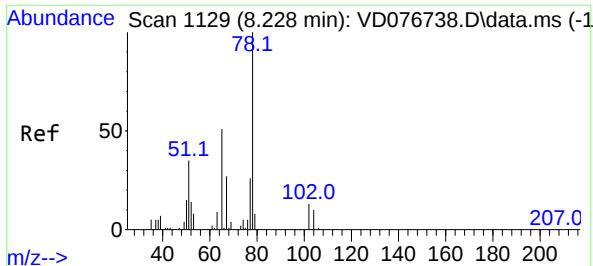


#31  
Cyclohexane  
Concen: 1.524 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076753.D  
Acq: 17 Jul 2023 14:32

Tgt Ion: 56 Resp: 3365

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 121.7 | 28.6  | 43.0# |
| 84  | 126.8 | 84.8  | 127.2 |





#33

1,2-Dichloroethane-d4

Concen: 58.105 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076753.D

Acq: 17 Jul 2023 14:32

Instrument :

MSVOA\_D

ClientSampleId :

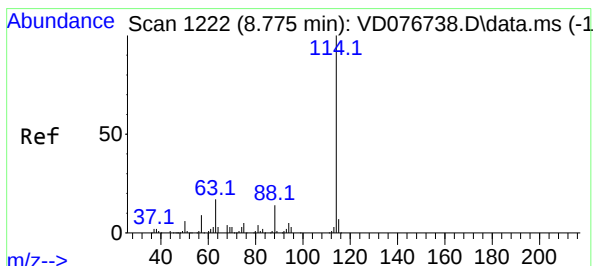
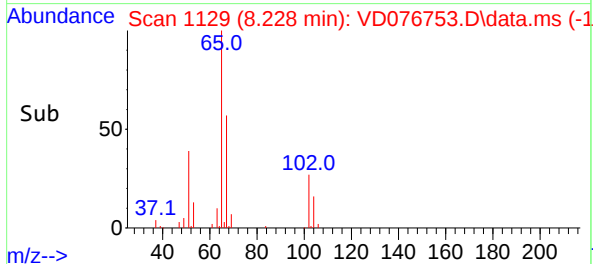
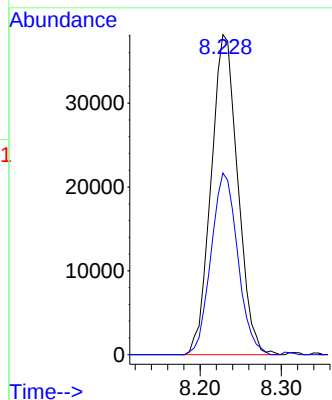
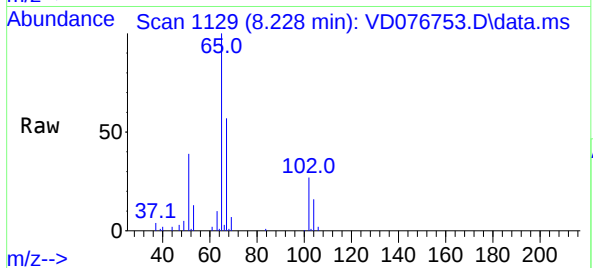
SB-07-(1-3)

Tgt Ion: 65 Resp: 87169

Ion Ratio Lower Upper

65 100

67 56.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD076753.D

Acq: 17 Jul 2023 14:32

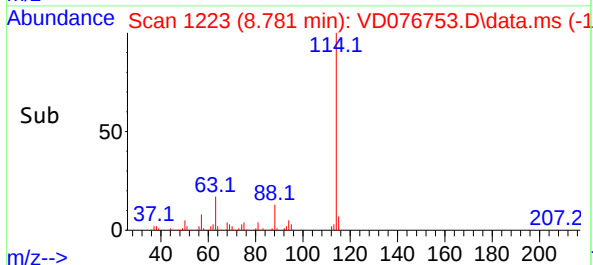
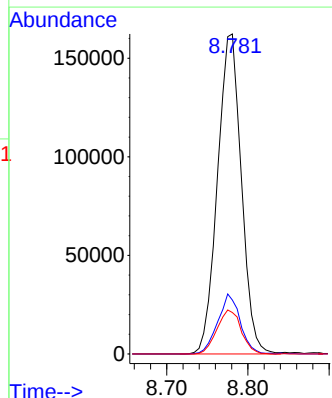
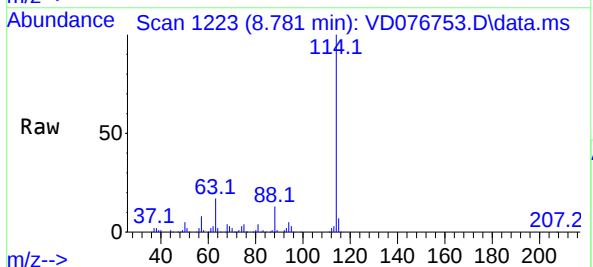
Tgt Ion: 114 Resp: 331615

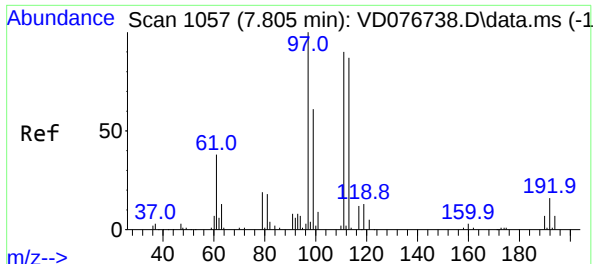
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

88 13.0 0.0 26.2





#35

Dibromofluoromethane

Concen: 52.342 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076753.D

Acq: 17 Jul 2023 14:32

Instrument :

MSVOA\_D

ClientSampleId :

SB-07-(1-3)

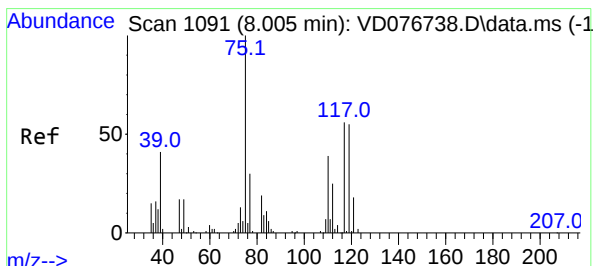
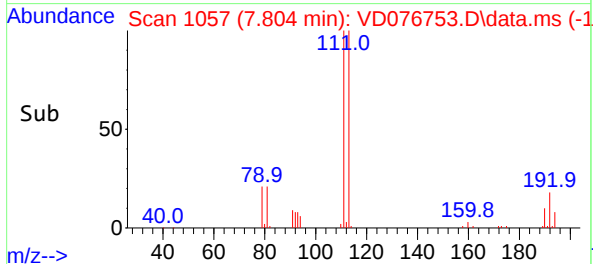
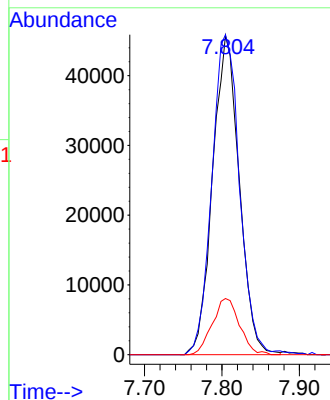
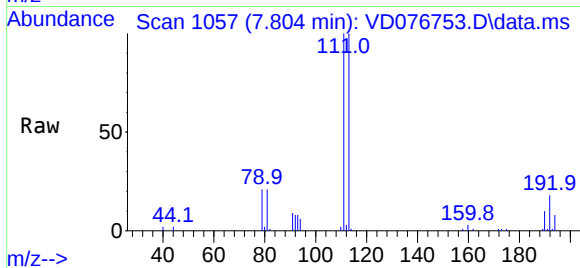
Tgt Ion:113 Resp: 109076

Ion Ratio Lower Upper

113 100

111 104.7 84.7 127.1

192 18.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.354 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076753.D

Acq: 17 Jul 2023 14:32

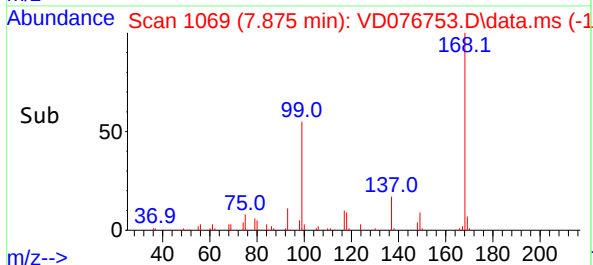
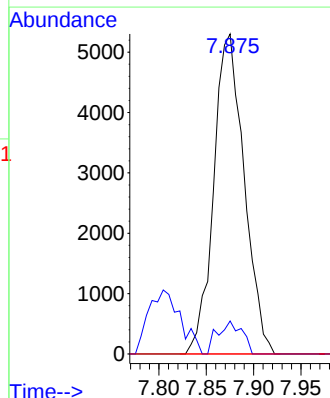
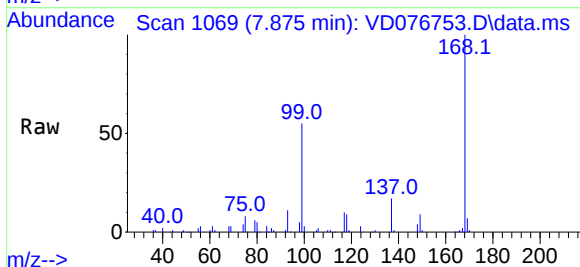
Tgt Ion: 75 Resp: 11856

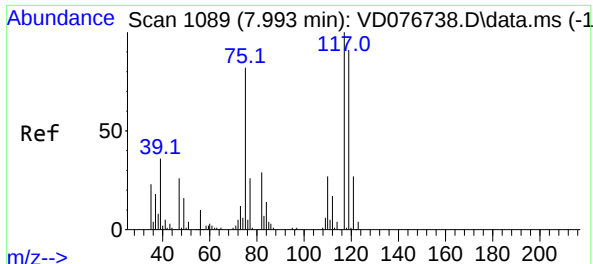
Ion Ratio Lower Upper

75 100

110 8.2 19.9 59.6#

77 0.0 24.7 37.1#

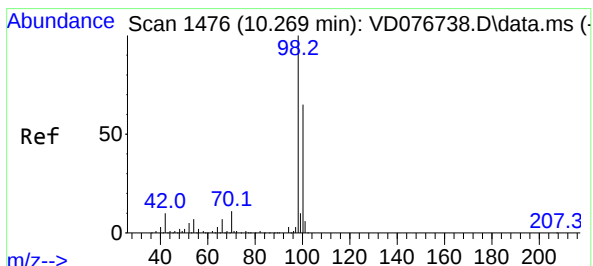
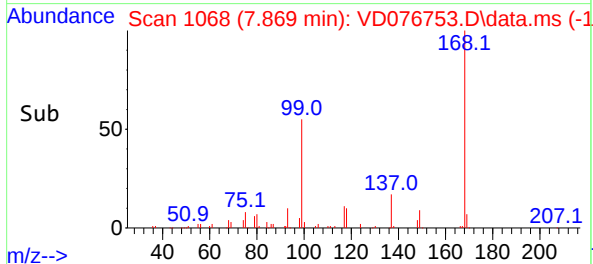
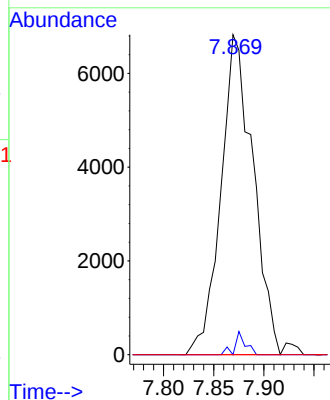
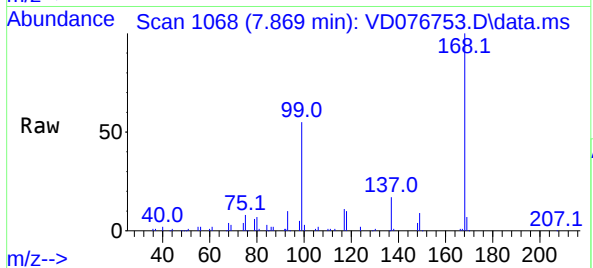




#38  
Carbon Tetrachloride  
Concen: 5.831 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.124 min  
Lab File: VD076753.D  
Acq: 17 Jul 2023 14:32

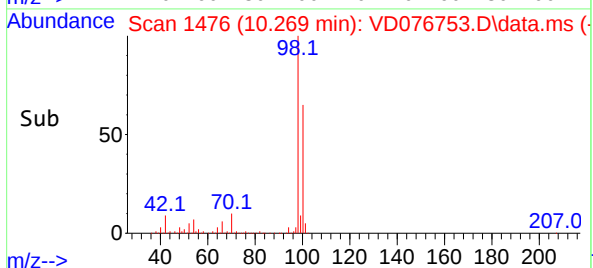
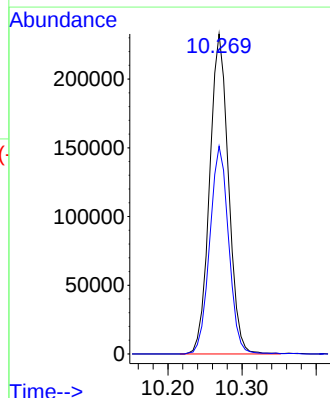
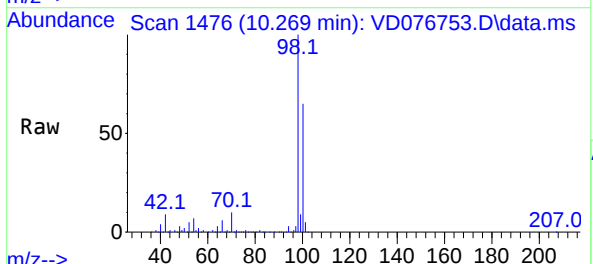
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-07-(1-3)

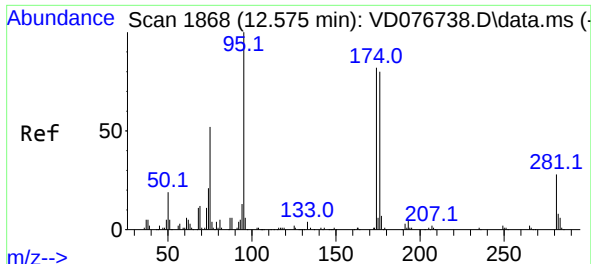
Tgt Ion:117 Resp: 15203  
Ion Ratio Lower Upper  
117 100  
119 0.0 78.0 117.0#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 55.244 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076753.D  
Acq: 17 Jul 2023 14:32

Tgt Ion: 98 Resp: 411840  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.3 75.5

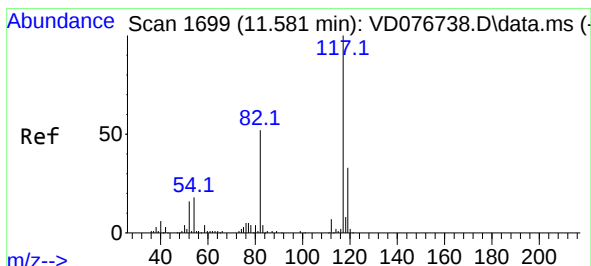
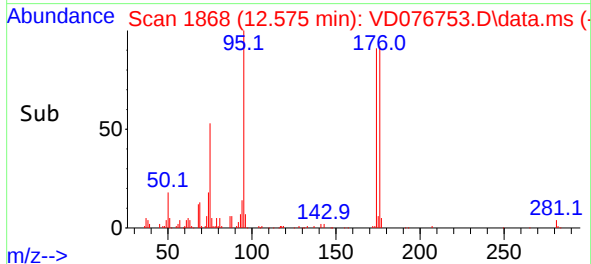
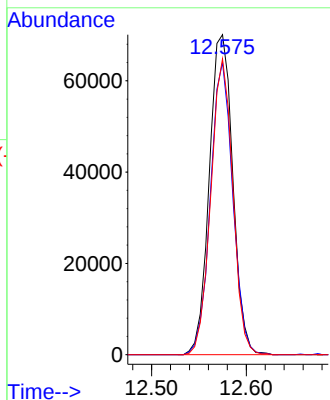
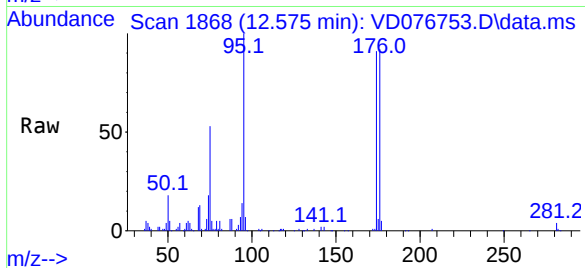




#62  
4-Bromofluorobenzene  
Concen: 50.108 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076753.D  
Acq: 17 Jul 2023 14:32

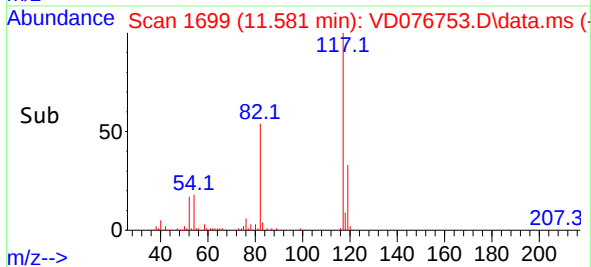
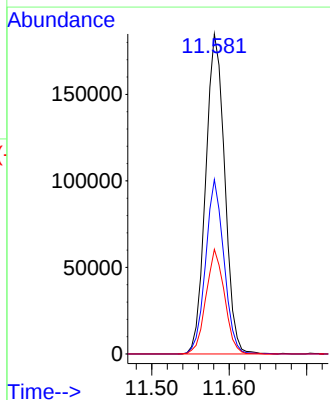
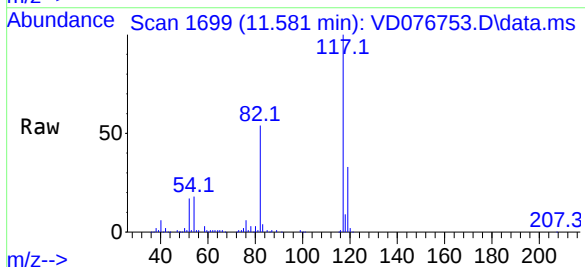
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-07-(1-3)

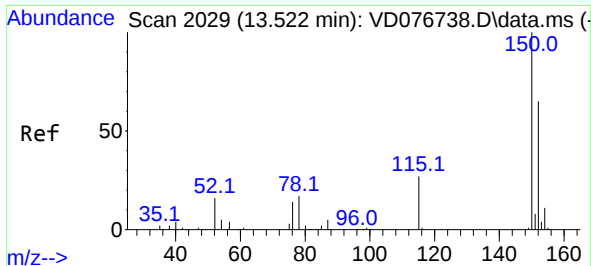
Tgt Ion: 95 Resp: 120843  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 201.8  
176 86.3 0.0 191.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076753.D  
Acq: 17 Jul 2023 14:32

Tgt Ion: 117 Resp: 315417  
Ion Ratio Lower Upper  
117 100  
82 54.5 38.3 57.5  
119 32.7 25.0 37.4

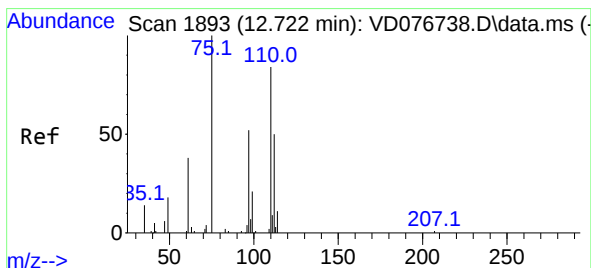
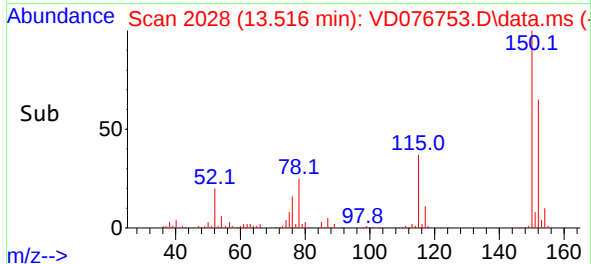
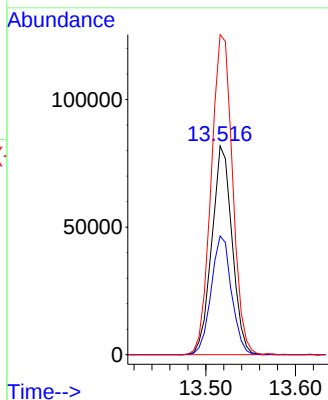
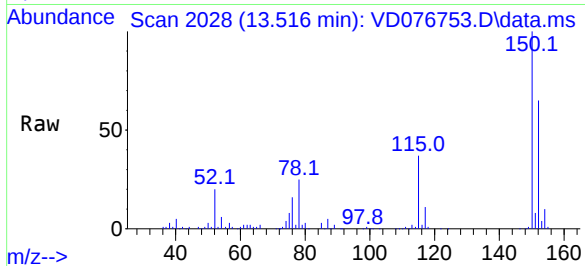




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VD076753.D  
 Acq: 17 Jul 2023 14:32

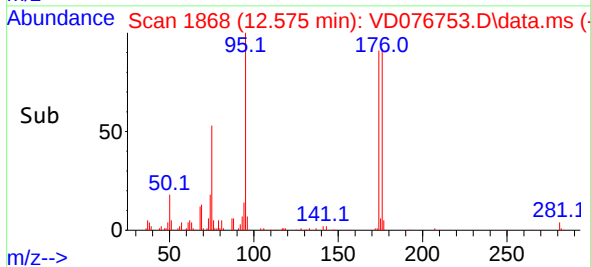
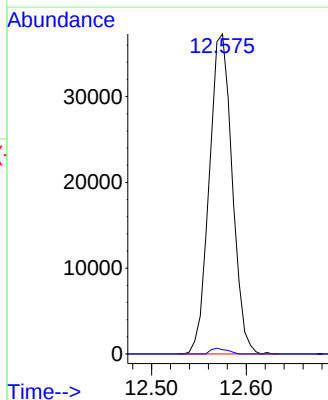
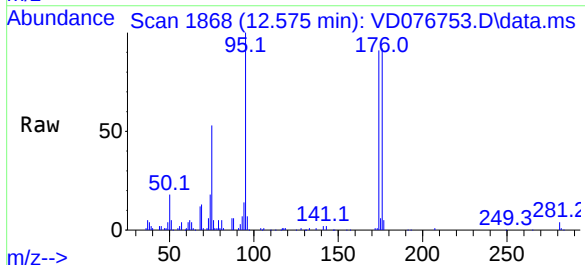
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-07-(1-3)

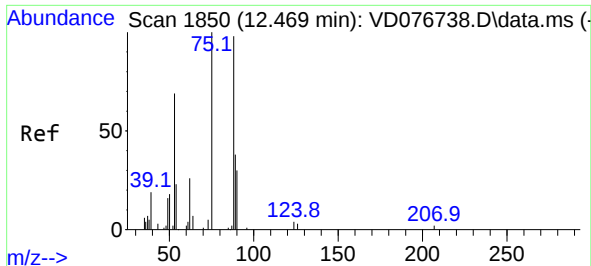
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 Ion Ratio Lower Upper  
 152 100  
 115 57.1 27.1 81.3  
 150 161.2 0.0 353.6



#76  
 1,2,3-Trichloropropane  
 Concen: 51.254 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. -0.147 min  
 Lab File: VD076753.D  
 Acq: 17 Jul 2023 14:32

Tgt Ion: 75 Resp: 62765  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 109.083 ug/l  
 RT: 12.575 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD076753.D  
 Acq: 17 Jul 2023 14:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-07-(1-3)

Tgt Ion: 75 Resp: 62765  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 63.0 94.4#  
 89 0.0 37.9 56.9#

