

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012523\  
 Data File : VD075200.D  
 Acq On : 25 Jan 2023 13:13  
 Operator : KP/SY  
 Sample : 01285-01  
 Misc : 2.88G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-07-SB01

Quant Time: Jan 25 15:56:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 19 01:32:27 2023  
 Response via : Initial Calibration

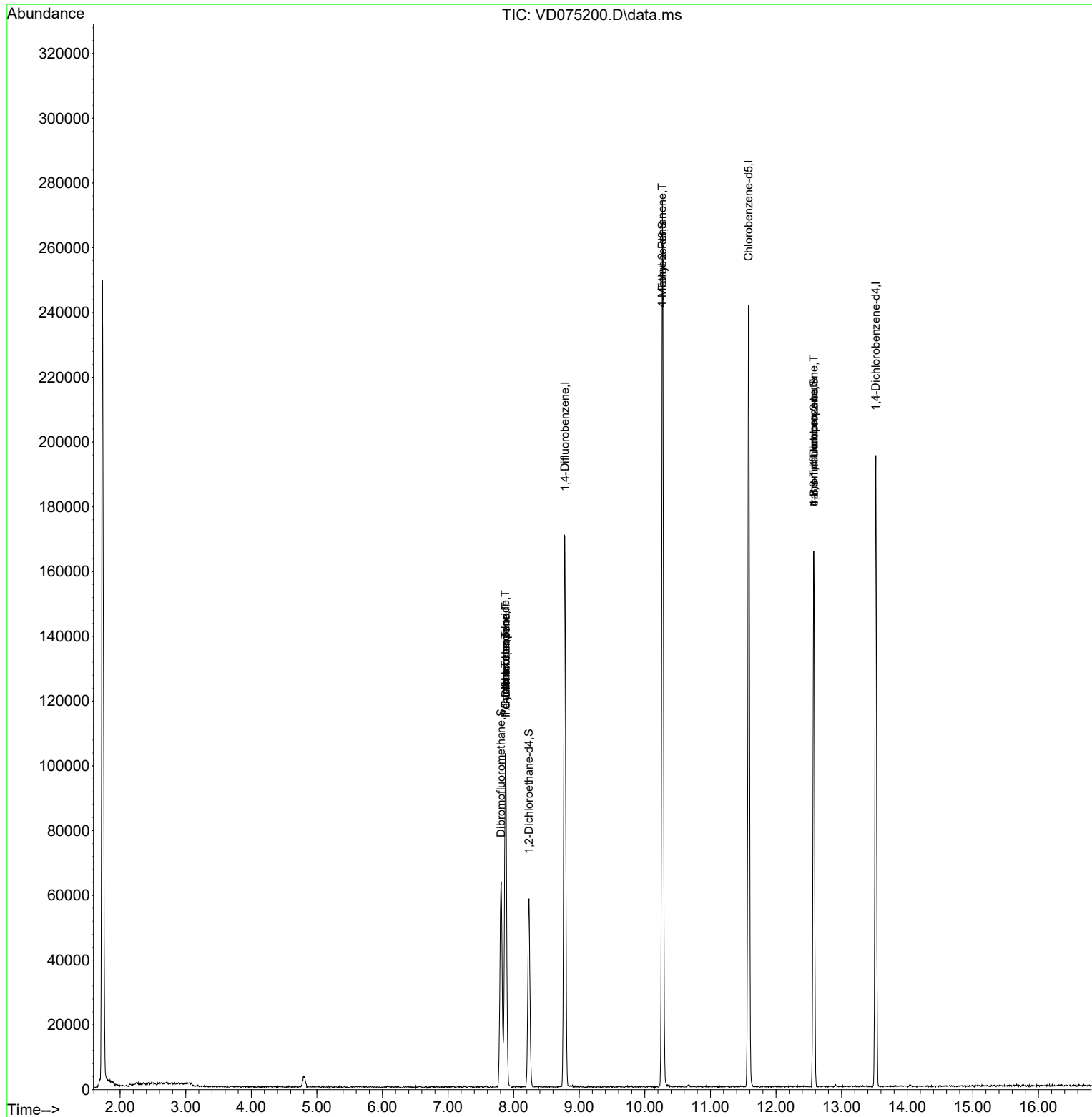
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.881     | 168   | 77031    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781     | 114   | 150271   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581    | 117   | 135825   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.522    | 152   | 50232    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.234     | 65    | 44966    | 57.206    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 114.420% |          |
| 35) Dibromofluoromethane      | 7.810     | 113   | 47151    | 51.926    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 103.860% |          |
| 50) Toluene-d8                | 10.269    | 98    | 186611   | 52.194    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 104.380% |          |
| 62) 4-Bromofluorobenzene      | 12.575    | 95    | 52944    | 46.659    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 93.320%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 20) Methylene Chloride        | 4.799     | 84    | 2727     | Below Cal | #          | 82       |
| 31) Cyclohexane               | 7.875     | 56    | 2082     | 1.321     | ug/l #     | 25       |
| 36) 1,1-Dichloropropene       | 7.881     | 75    | 7286     | 4.994     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.875     | 117   | 8357     | 6.803     | ug/l #     | 20       |
| 51) 4-Methyl-2-Pentanone      | 10.263    | 43    | 907      | 1.651     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.575    | 75    | 28189    | 66.260    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575    | 75    | 28189    | 153.696   | ug/l #     | 14       |
| -----                         |           |       |          |           |            |          |

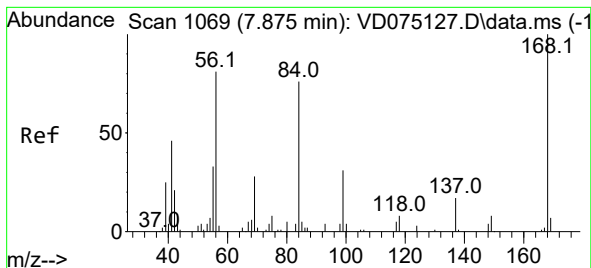
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 19 01:32:27 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD075200.D

Acq: 25 Jan 2023 13:13

Instrument :

MSVOA\_D

ClientSampleId :

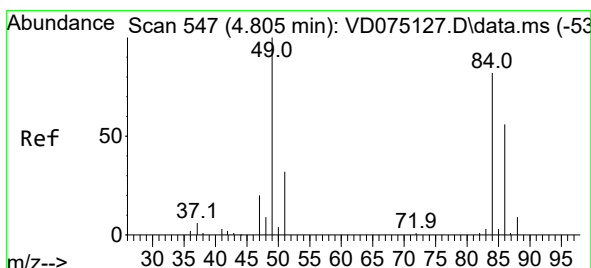
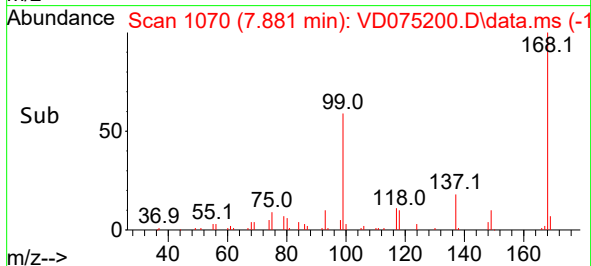
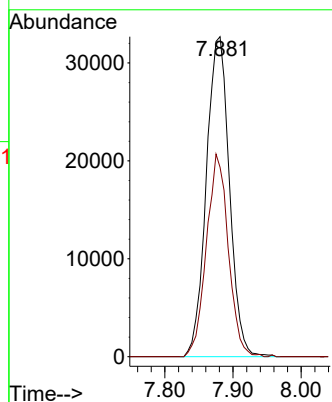
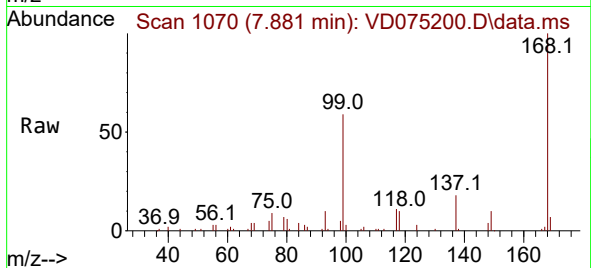
B-07-SB01

Tgt Ion:168 Resp: 77031

Ion Ratio Lower Upper

168 100

99 59.2 45.2 67.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.006 min

Lab File: VD075200.D

Acq: 25 Jan 2023 13:13

Tgt Ion: 84 Resp: 2727

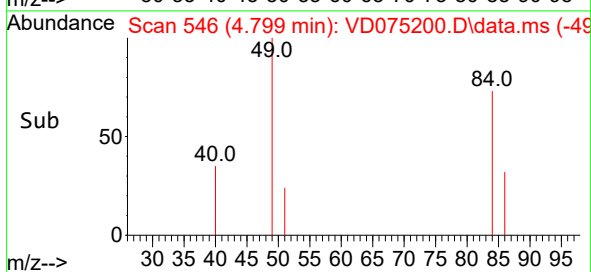
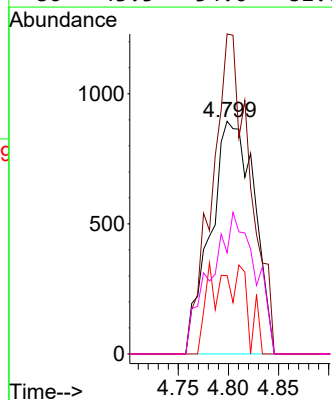
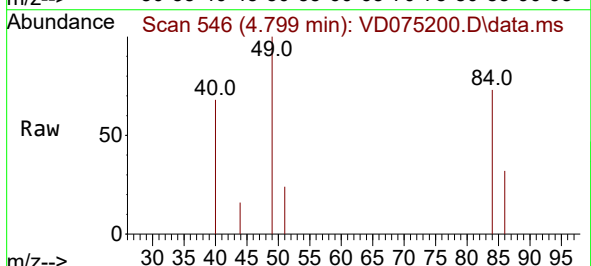
Ion Ratio Lower Upper

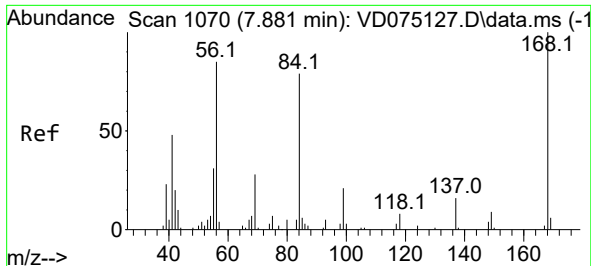
84 100

49 137.6 97.0 145.6

51 33.7 30.9 46.3

86 43.5 54.0 81.0#

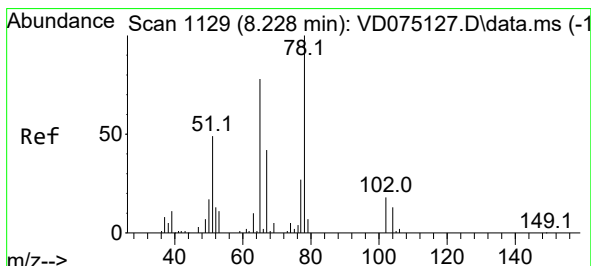
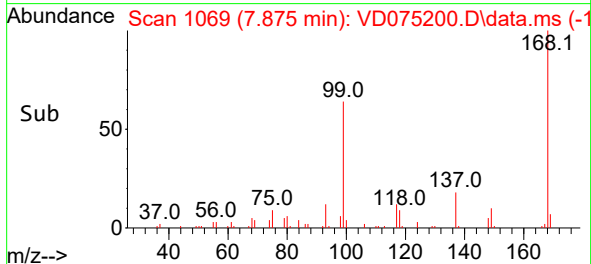
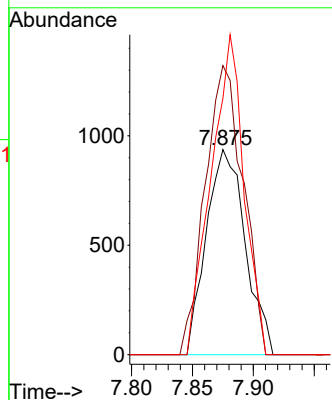
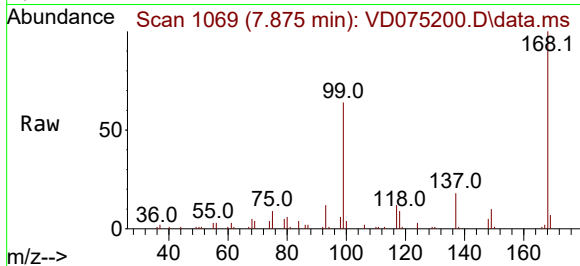




#31  
Cyclohexane  
Concen: 1.321 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD075200.D  
Acq: 25 Jan 2023 13:13

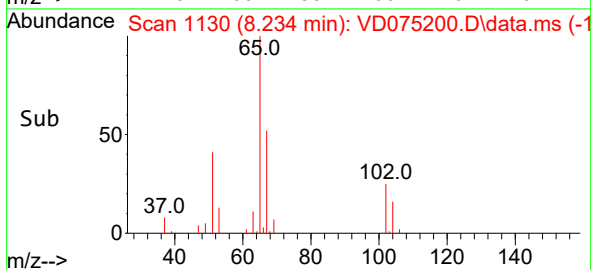
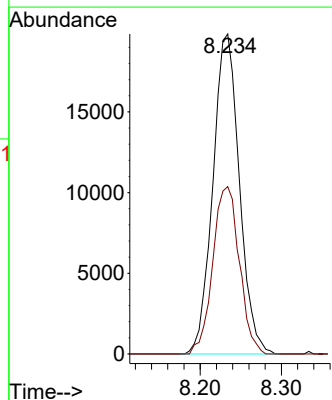
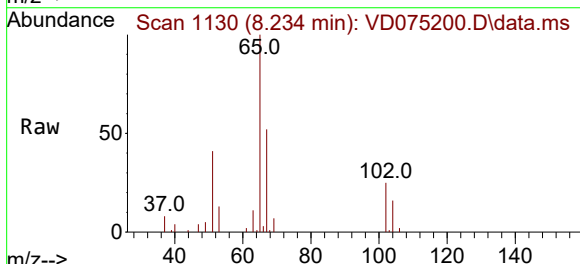
Instrument :  
MSVOA\_D  
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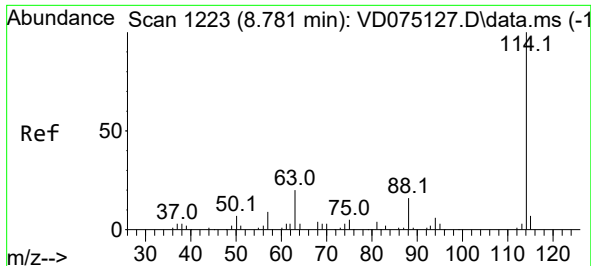
Tgt Ion: 56 Resp: 2082  
Ion Ratio Lower Upper  
56 100  
69 141.0 26.6 40.0#  
84 125.0 74.1 111.1#



#33  
1,2-Dichloroethane-d4  
Concen: 57.206 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD075200.D  
Acq: 25 Jan 2023 13:13

Tgt Ion: 65 Resp: 44966  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075200.D

Acq: 25 Jan 2023 13:13

Instrument :

MSVOA\_D

ClientSampleId :

B-07-SB01

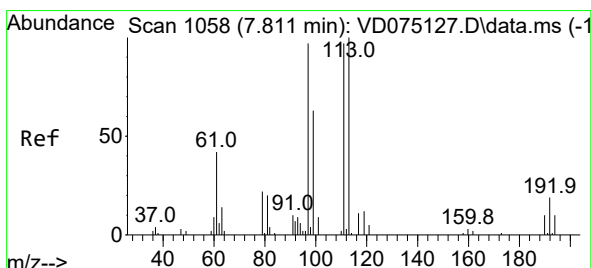
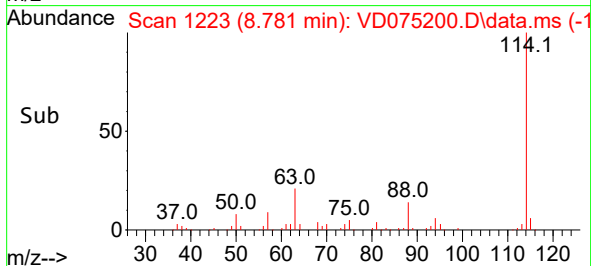
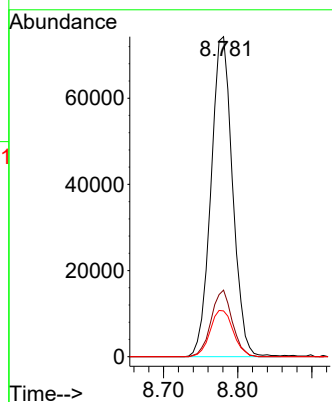
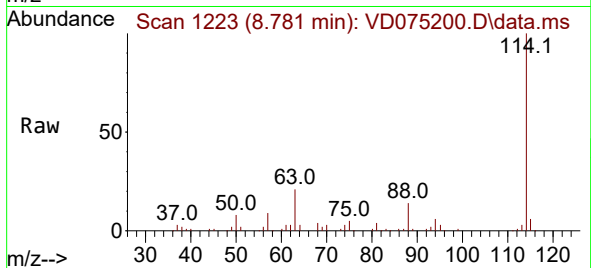
Tgt Ion:114 Resp: 150271

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 14.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.926 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD075200.D

Acq: 25 Jan 2023 13:13

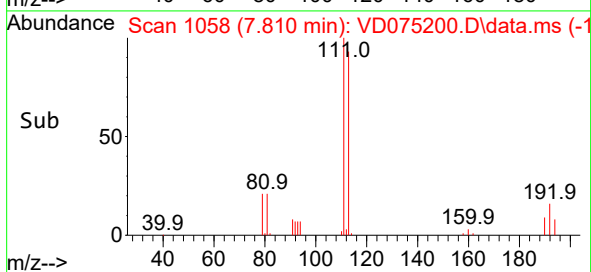
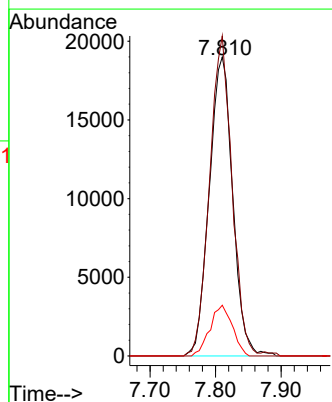
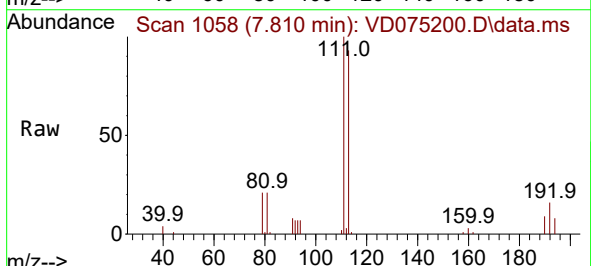
Tgt Ion:113 Resp: 47151

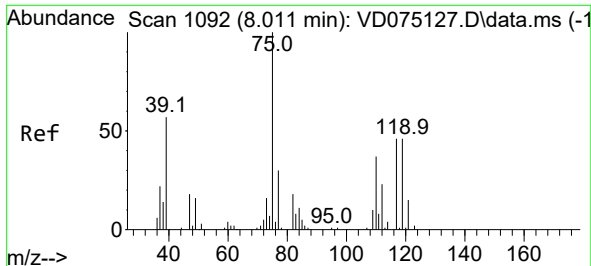
Ion Ratio Lower Upper

113 100

111 102.2 80.1 120.1

192 16.2 15.4 23.0

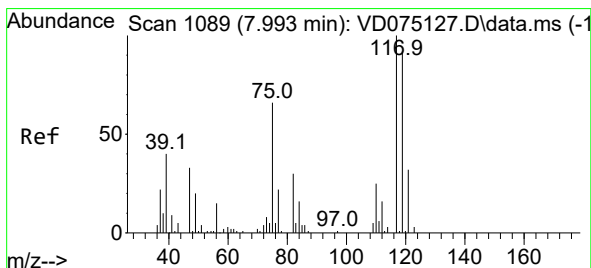
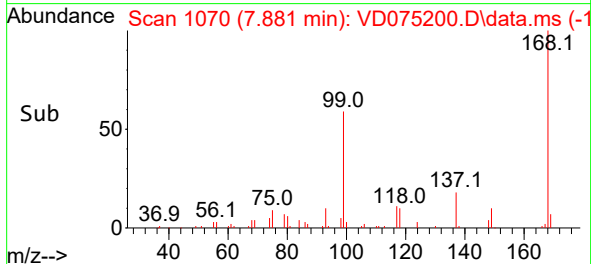
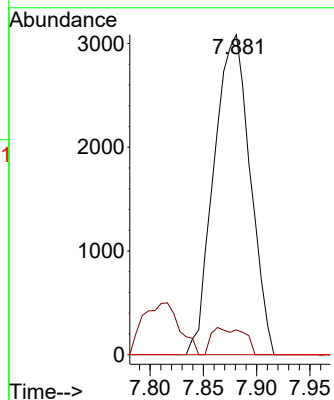
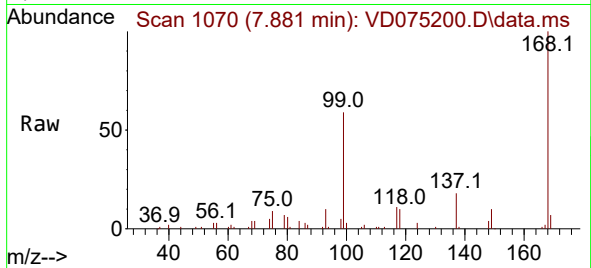




#36  
1,1-Dichloropropene  
Concen: 4.994 ug/l  
RT: 7.881 min Scan# 1069  
Delta R.T. -0.130 min  
Lab File: VD075200.D  
Acq: 25 Jan 2023 13:13

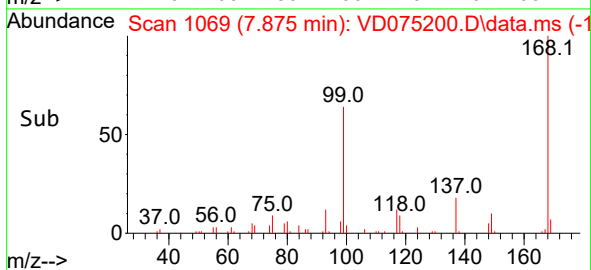
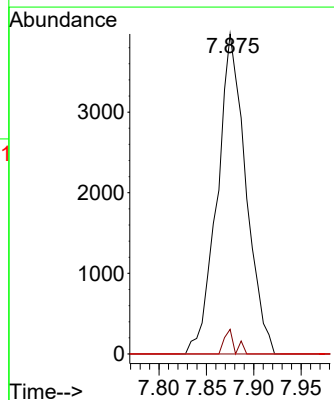
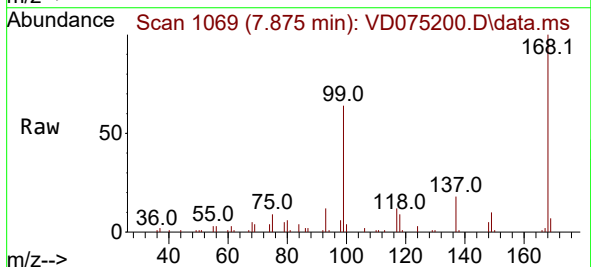
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-07-SB01

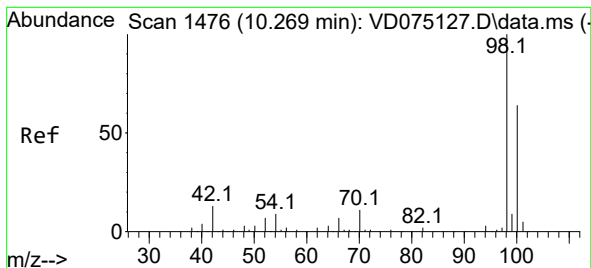
Tgt Ion: 75 Resp: 7286  
Ion Ratio Lower Upper  
75 100  
110 7.5 18.1 54.4#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 6.803 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.118 min  
Lab File: VD075200.D  
Acq: 25 Jan 2023 13:13

Tgt Ion: 117 Resp: 8357  
Ion Ratio Lower Upper  
117 100  
119 7.7 73.6 110.4#  
121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 52.194 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075200.D

Acq: 25 Jan 2023 13:13

Instrument :

MSVOA\_D

ClientSampleId :

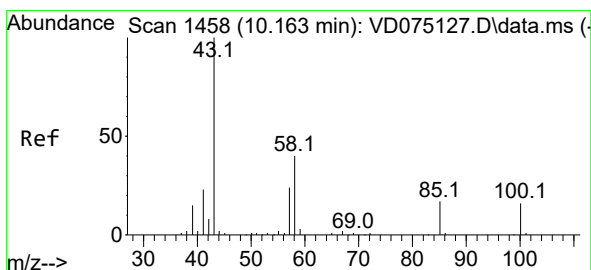
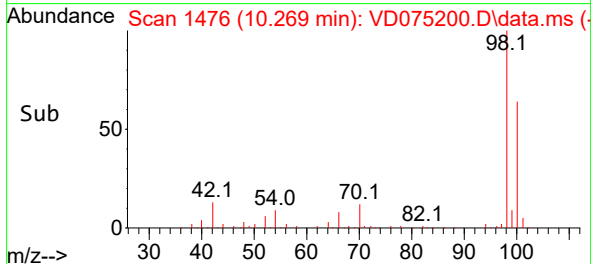
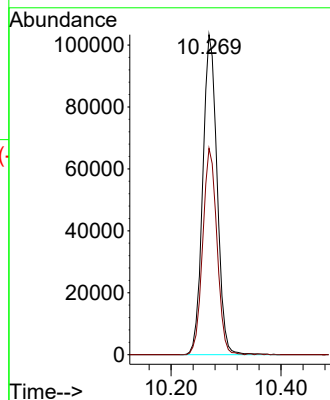
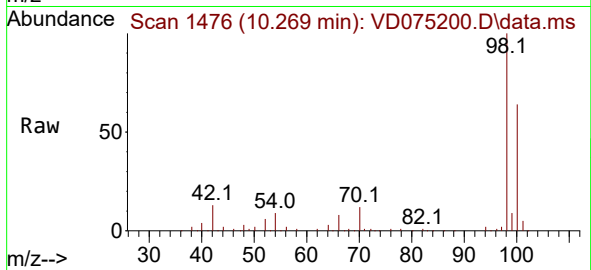
B-07-SB01

Tgt Ion: 98 Resp: 186611

Ion Ratio Lower Upper

98 100

100 64.0 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 1.651 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. 0.100 min

Lab File: VD075200.D

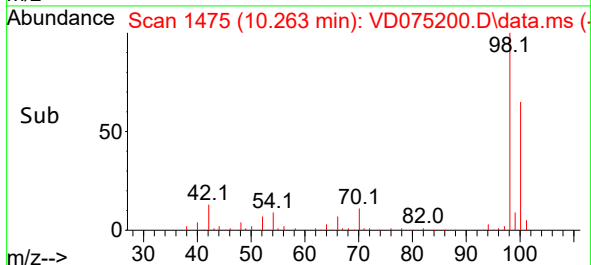
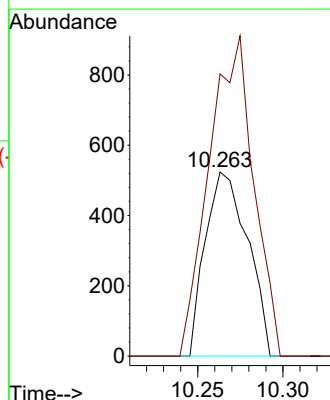
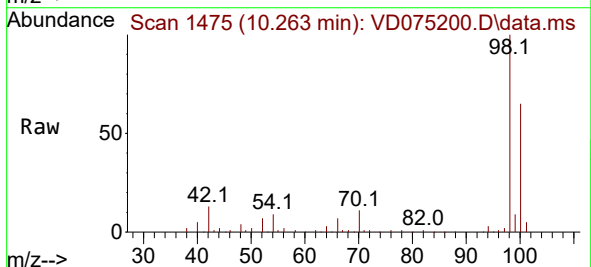
Acq: 25 Jan 2023 13:13

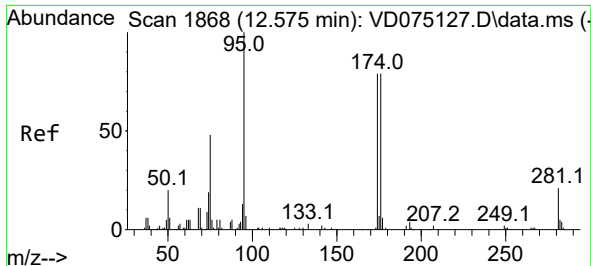
Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

58 183.1 31.4 47.0#

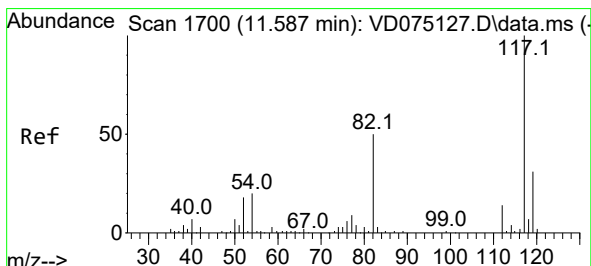
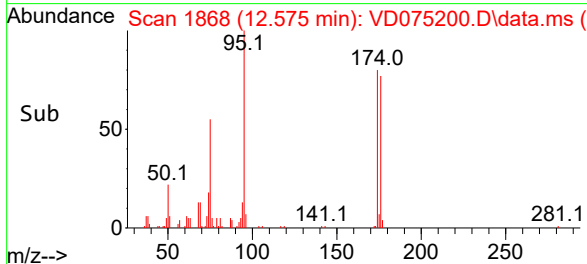
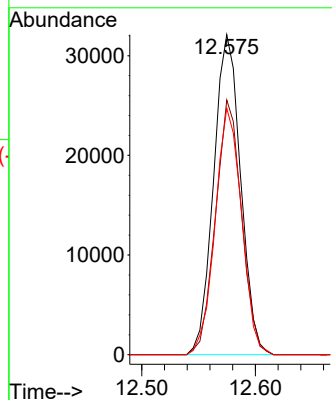
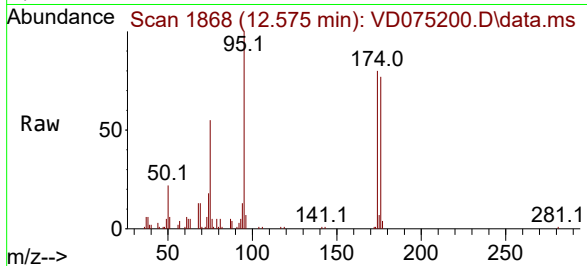




#62  
4-Bromofluorobenzene  
Concen: 46.659 ug/l  
RT: 12.575 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD075200.D  
Acq: 25 Jan 2023 13:13

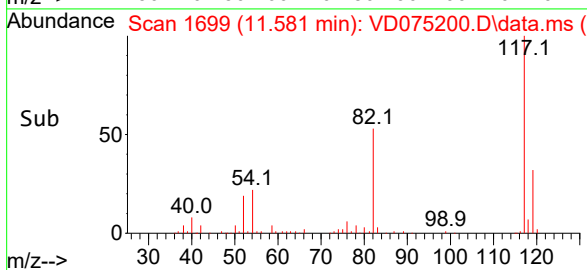
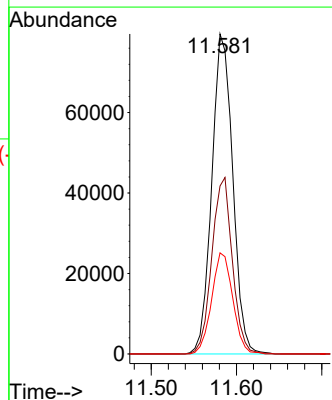
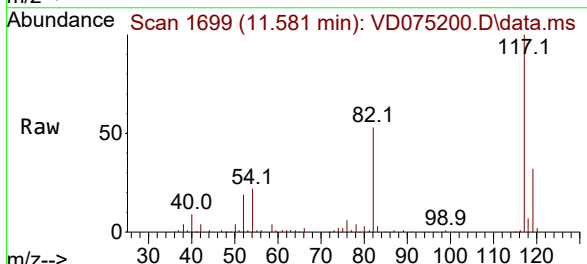
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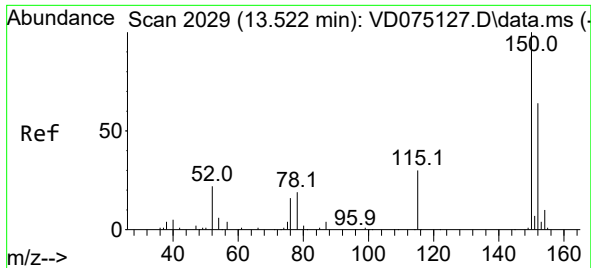
Tgt Ion: 95 Resp: 52944  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 161.2  
176 75.6 0.0 160.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.006 min  
Lab File: VD075200.D  
Acq: 25 Jan 2023 13:13

Tgt Ion: 117 Resp: 135825  
Ion Ratio Lower Upper  
117 100  
82 52.5 39.6 59.4  
119 31.6 24.6 37.0

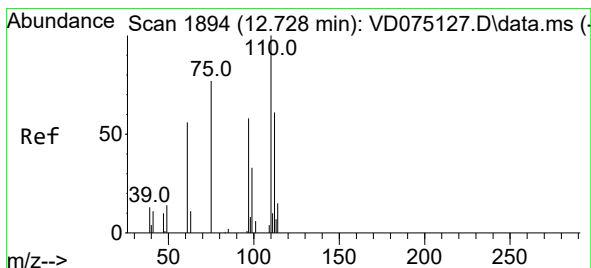
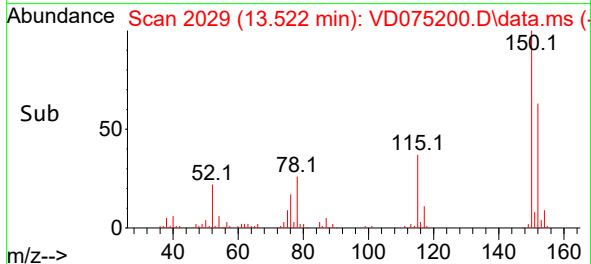
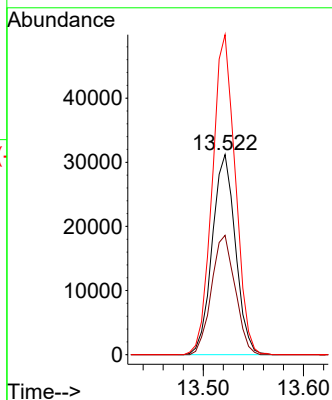
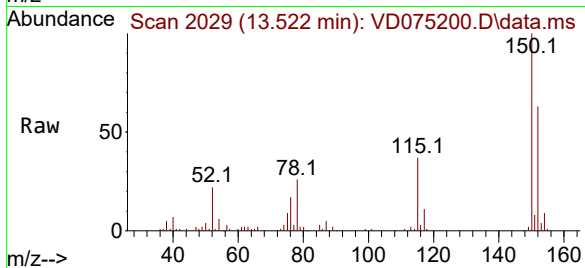




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.522 min Scan# 2029  
 Delta R.T. -0.000 min  
 Lab File: VD075200.D  
 Acq: 25 Jan 2023 13:13

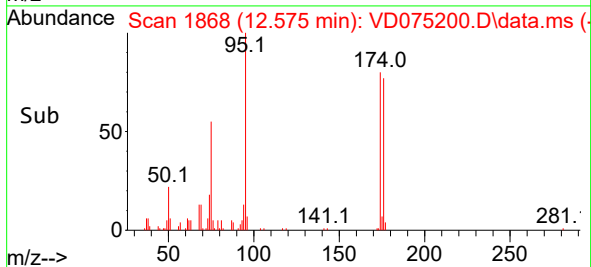
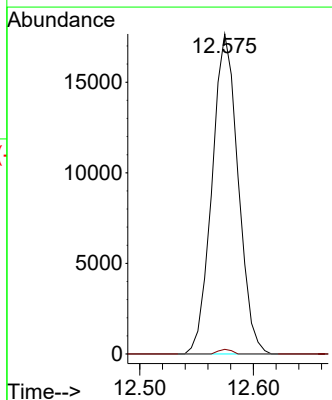
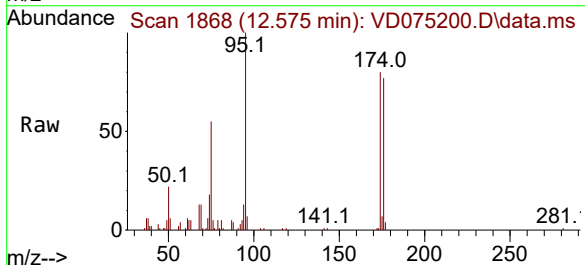
Instrument :  
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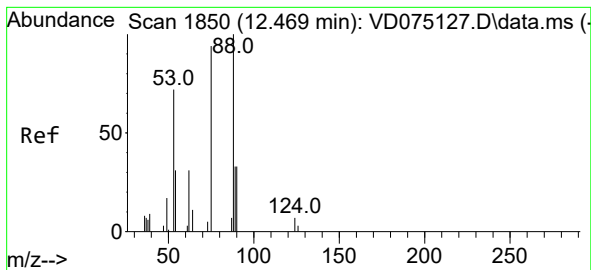
Tgt Ion:152 Resp: 50232  
 Ion Ratio Lower Upper  
 152 100  
 115 60.7 28.8 86.4  
 150 158.2 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 66.260 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. -0.153 min  
 Lab File: VD075200.D  
 Acq: 25 Jan 2023 13:13

Tgt Ion: 75 Resp: 28189  
 Ion Ratio Lower Upper  
 75 100  
 77 0.8 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 153.696 ug/l  
 RT: 12.575 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD075200.D  
 Acq: 25 Jan 2023 13:13

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-07-SB01

Tgt Ion: 75 Resp: 28189  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 70.5 105.7#  
 89 0.0 34.6 52.0#

