

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD073124\  
 Data File : VD079499.D  
 Acq On : 31 Jul 2024 16:23  
 Operator : RP/MD  
 Sample : P3379-09  
 Misc : 6.36G/5.0ml/MSVOA\_D/SOIL/B  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 01 01:52:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

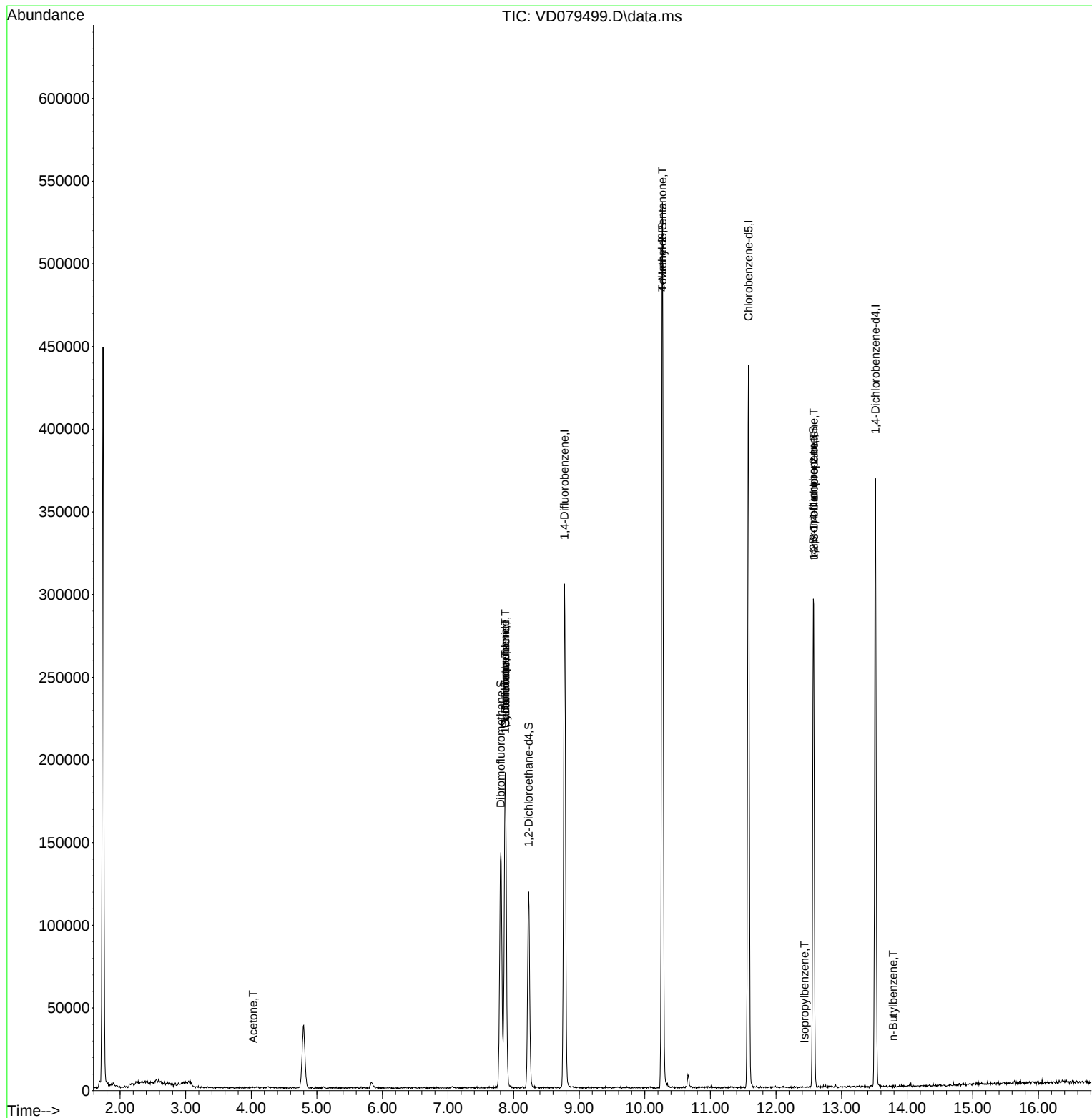
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 156904   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 281240   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 259897   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 105231   | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 90739    | 56.925    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 113.860% |
| 35) Dibromofluoromethane      | 7.805  | 113   | 106488   | 55.941    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 111.880% |
| 50) Toluene-d8                | 10.269 | 98    | 382458   | 51.738    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 103.480% |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 92050    | 43.031    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 86.060%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 2.681  | 94    | 432      | Below Cal | #      | 75       |
| 11) Tert butyl alcohol        | 5.064  | 59    | 58       | Below Cal | #      | 86       |
| 16) Acetone                   | 4.028  | 43    | 565      | 1.824     | ug/l # | 37       |
| 20) Methylene Chloride        | 4.799  | 84    | 29858    | Below Cal | #      | 86       |
| 31) Cyclohexane               | 7.875  | 56    | 2802     | 1.058     | ug/l # | 40       |
| 36) 1,1-Dichloropropene       | 7.869  | 75    | 12596    | 4.848     | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 15649    | 5.730     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.269 | 43    | 1481     | 1.449     | ug/l # | 1        |
| 73) Isopropylbenzene          | 12.434 | 105   | 64       | 3.635     | ug/l # | 48       |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 45236    | 49.179    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 45236    | 93.798    | ug/l # | 19       |
| 89) n-Butylbenzene            | 13.787 | 91    | 122      | 3.799     | ug/l # | 34       |
| -----                         |        |       |          |           |        |          |

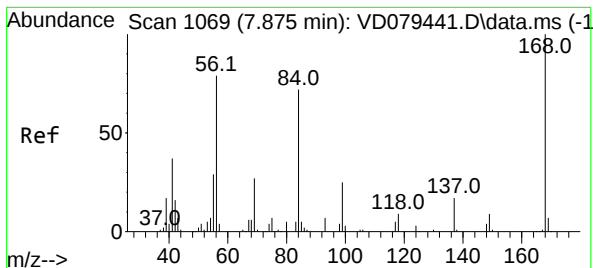
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD073124\  
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Acq On : 31 Jul 2024 16:23  
Operator : RP/MD  
Sample : P3379-09  
Misc : 6.36G/5.0ml/MSVOA\_D/SOIL/B  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Aug 01 01:52:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
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: VD079499.D

Acq: 31 Jul 2024 16:23

Instrument :

MSVOA\_D

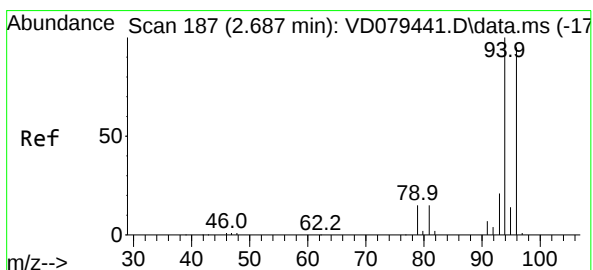
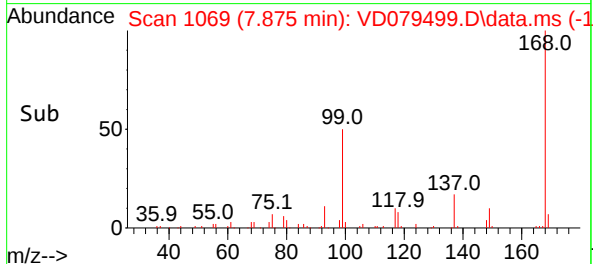
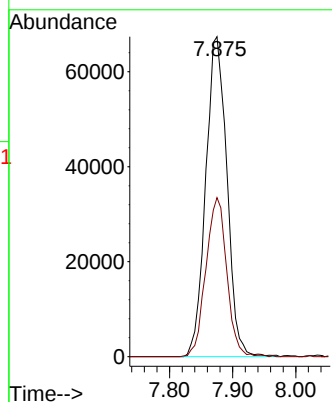
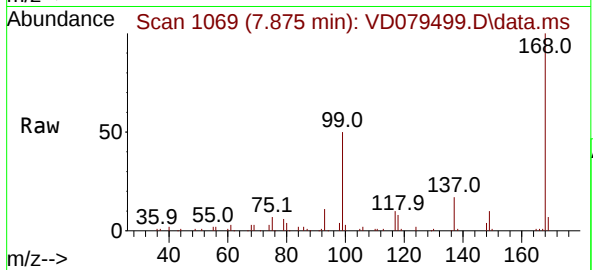
ClientSampleId :

Tgt Ion:168 Resp: 156904

Ion Ratio Lower Upper

168 100

99 49.7 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.681 min Scan# 186

Delta R.T. -0.006 min

Lab File: VD079499.D

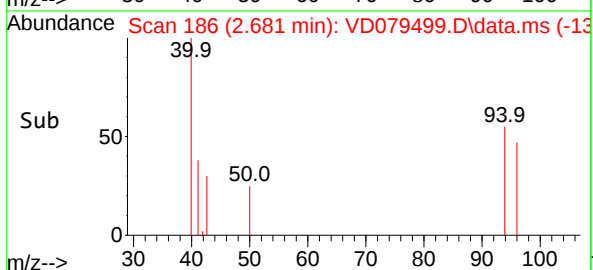
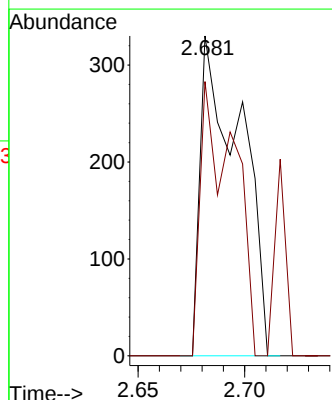
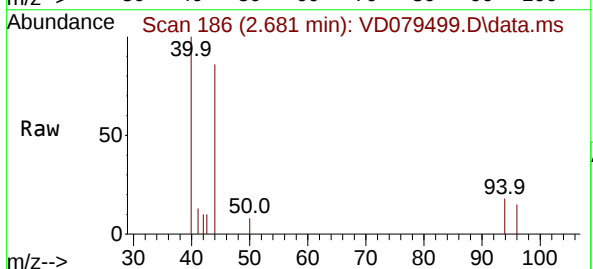
Acq: 31 Jul 2024 16:23

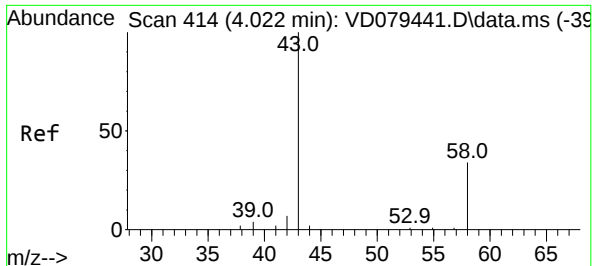
Tgt Ion: 94 Resp: 432

Ion Ratio Lower Upper

94 100

96 71.8 76.9 115.3#

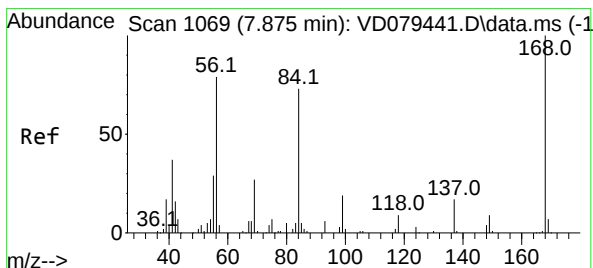
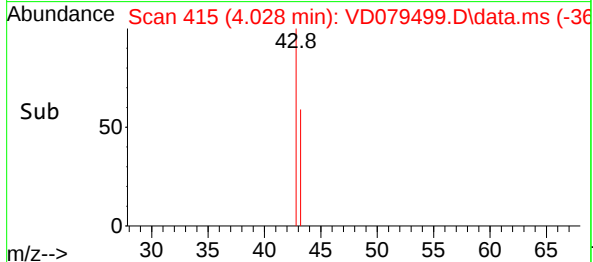
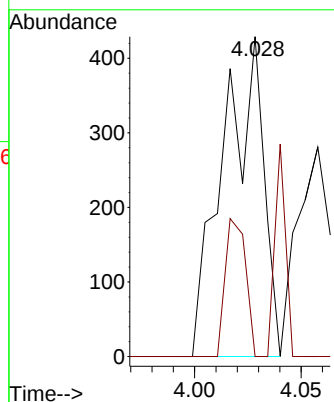
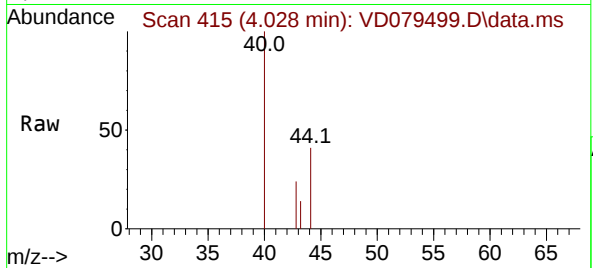




#16  
Acetone  
Concen: 1.824 ug/l  
RT: 4.028 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

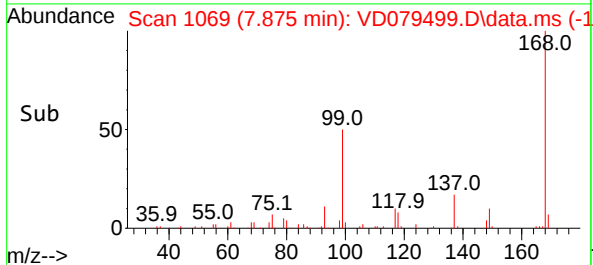
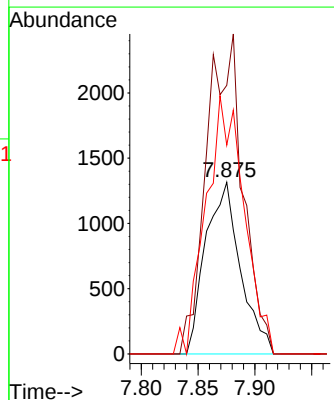
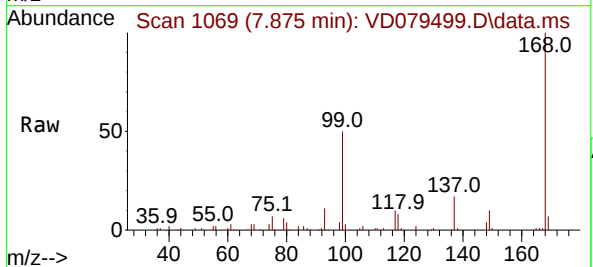
Instrument :  
MSVOA\_D  
ClientSampleId :

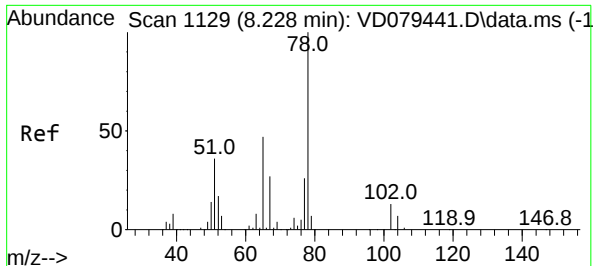
Tgt Ion: 43 Resp: 565  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.4 45.6#



#31  
Cyclohexane  
Concen: 1.058 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Tgt Ion: 56 Resp: 2802  
Ion Ratio Lower Upper  
56 100  
69 156.6 28.0 42.0#  
84 121.7 87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 56.925 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

Instrument :

MSVOA\_D

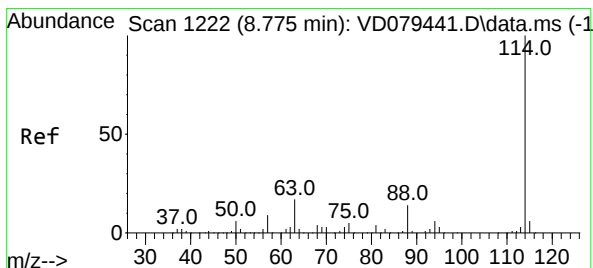
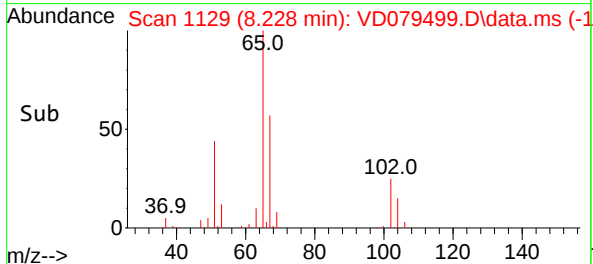
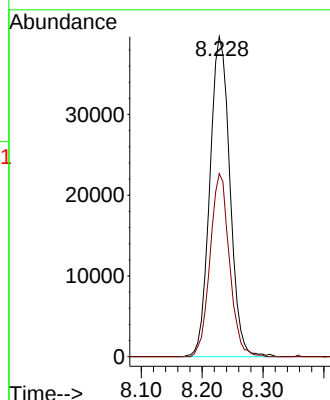
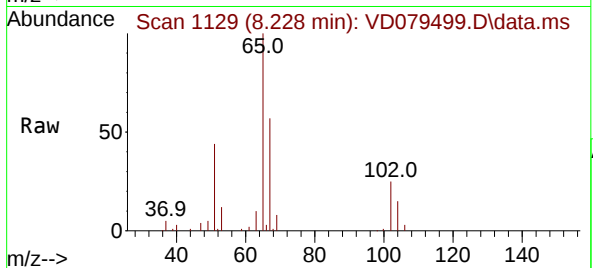
ClientSampleId :

Tgt Ion: 65 Resp: 90739

Ion Ratio Lower Upper

65 100

67 55.3 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

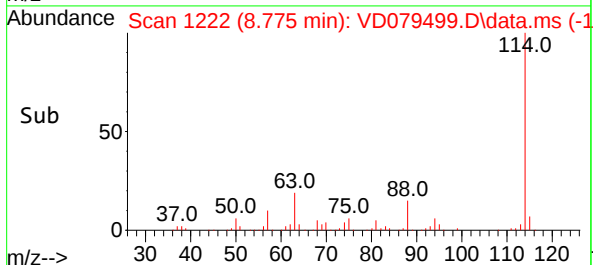
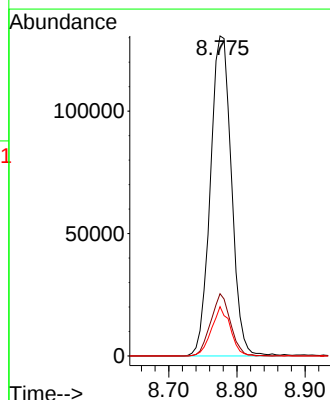
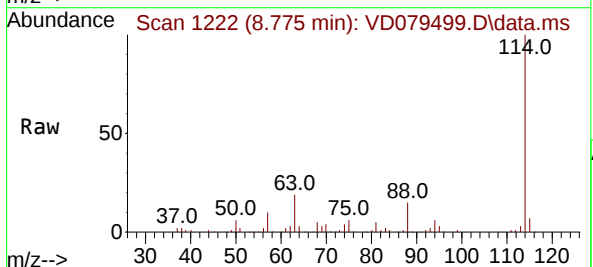
Tgt Ion: 114 Resp: 281240

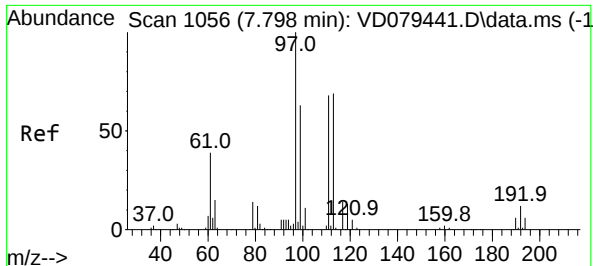
Ion Ratio Lower Upper

114 100

63 19.5 0.0 34.0

88 15.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 55.941 ug/l

RT: 7.805 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

Instrument :

MSVOA\_D

ClientSampleId :

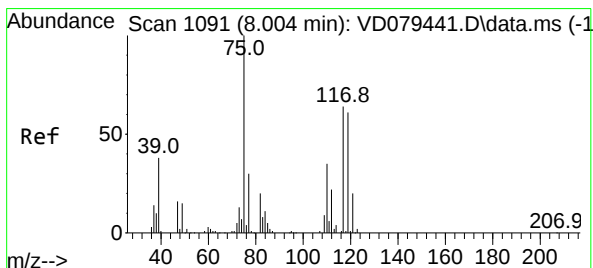
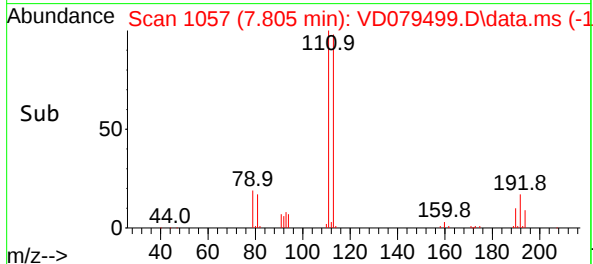
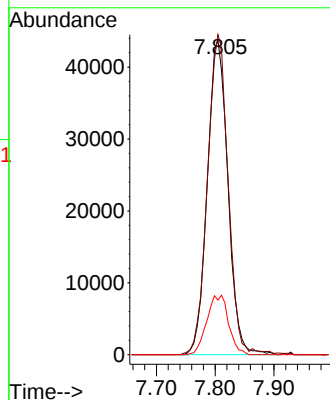
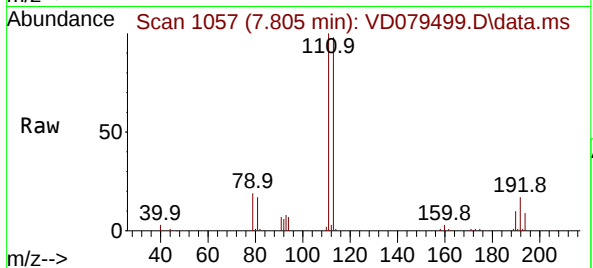
Tgt Ion:113 Resp: 106488

Ion Ratio Lower Upper

113 100

111 102.3 84.0 126.0

192 19.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

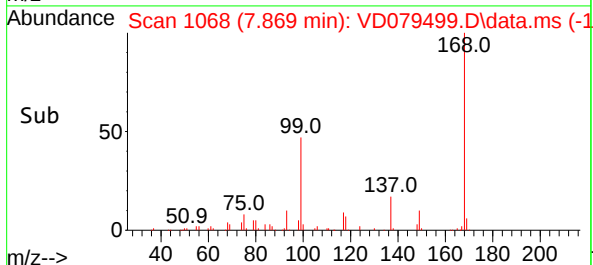
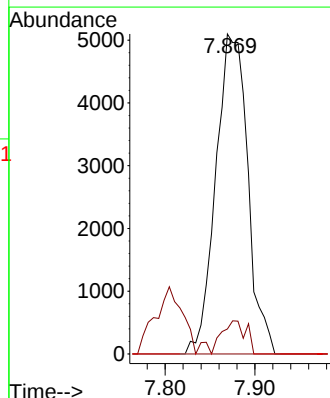
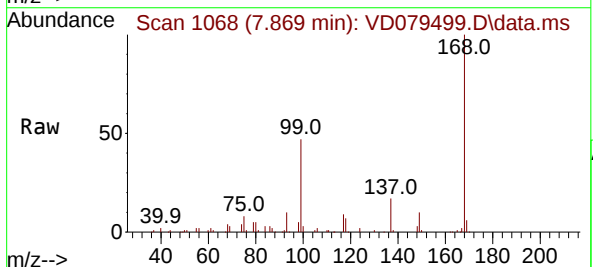
Tgt Ion: 75 Resp: 12596

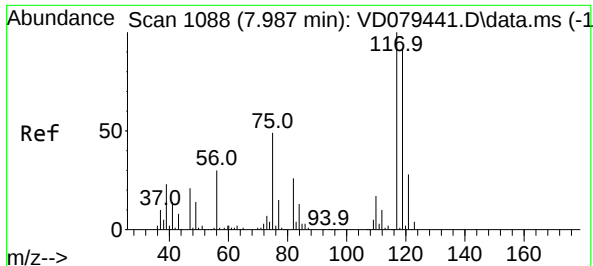
Ion Ratio Lower Upper

75 100

110 7.8 19.6 58.7#

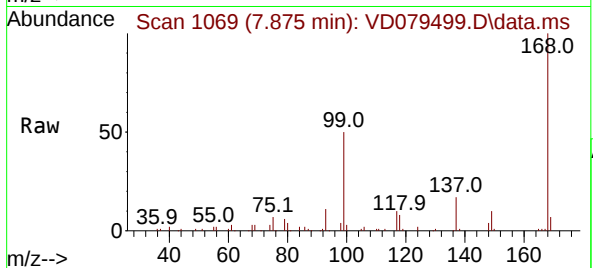
77 0.0 26.1 39.1#



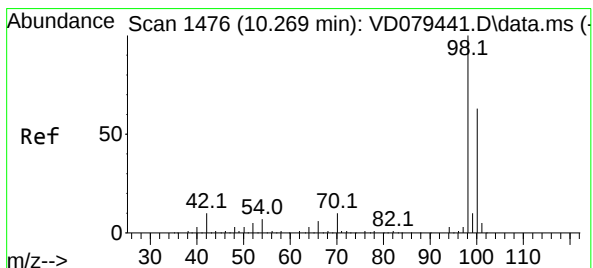
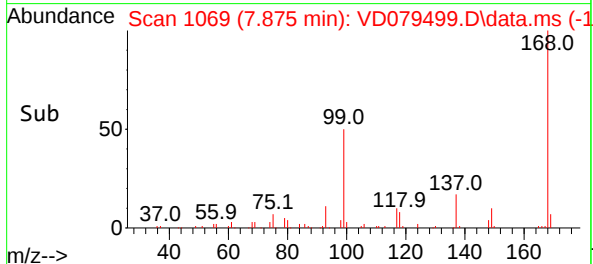
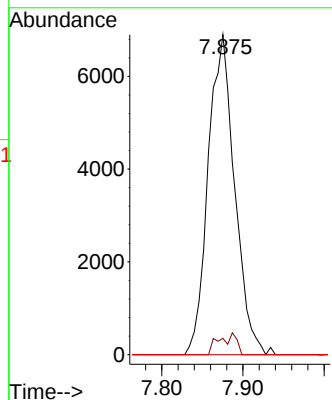


#38  
Carbon Tetrachloride  
Concen: 5.730 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.112 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Instrument :  
MSVOA\_D  
ClientSampleId :

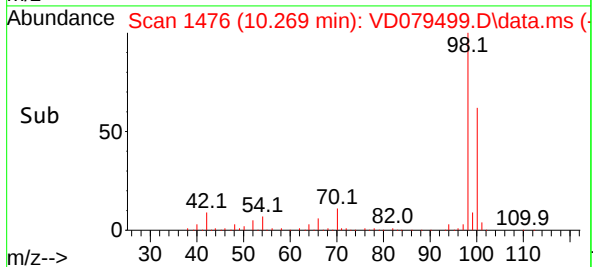
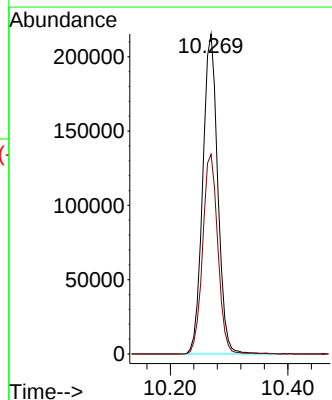
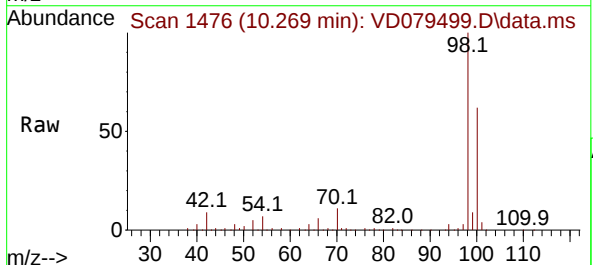


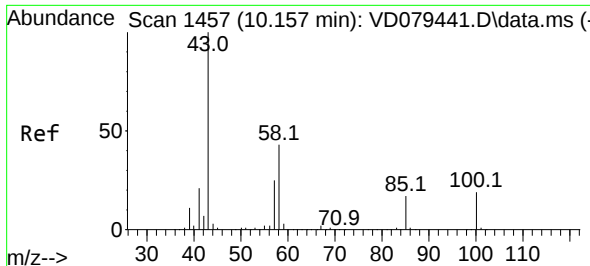
Tgt Ion:117 Resp: 15649  
Ion Ratio Lower Upper  
117 100  
119 5.1 75.4 113.0#  
121 0.0 25.0 37.4#



#50  
Toluene-d8  
Concen: 51.738 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Tgt Ion: 98 Resp: 382458  
Ion Ratio Lower Upper  
98 100  
100 63.0 51.6 77.4

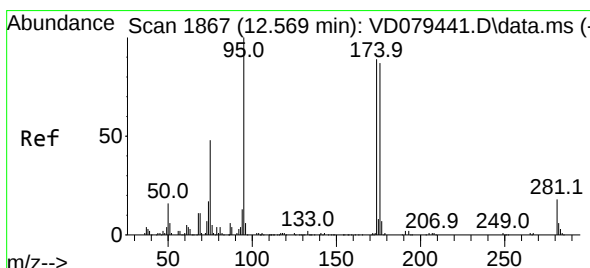
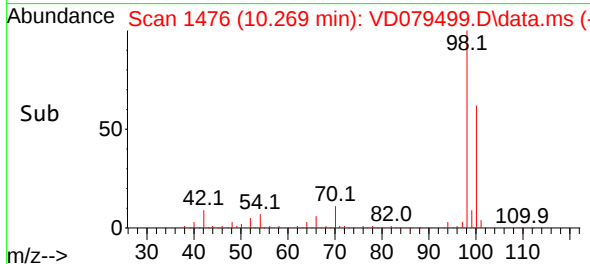
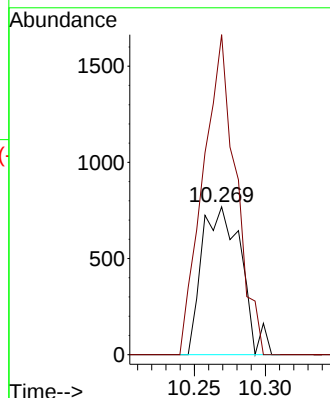
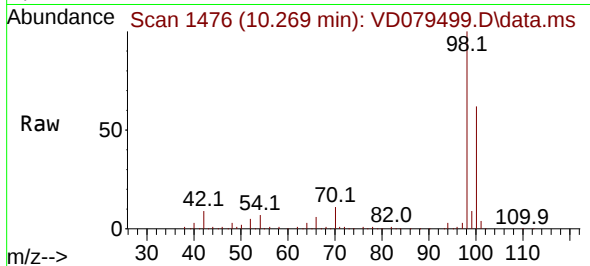




#51  
4-Methyl-2-Pentanone  
Concen: 1.449 ug/l  
RT: 10.269 min Scan# 1457  
Delta R.T. 0.112 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

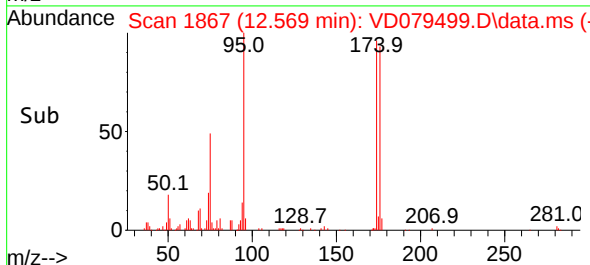
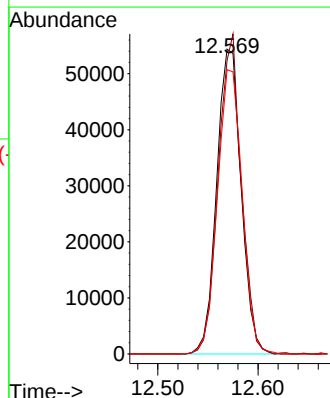
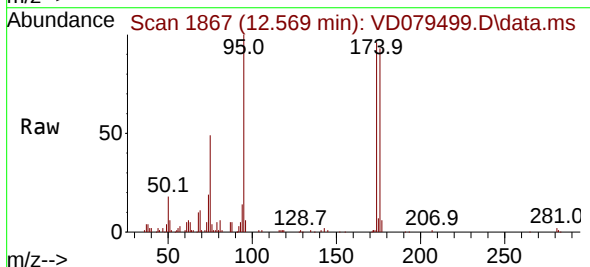
Instrument :  
MSVOA\_D  
ClientSampleId :

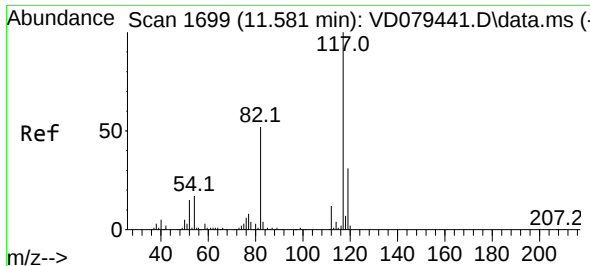
Tgt Ion: 43 Resp: 1481  
Ion Ratio Lower Upper  
43 100  
58 180.8 36.6 55.0#



#62  
4-Bromofluorobenzene  
Concen: 43.031 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Tgt Ion: 95 Resp: 92050  
Ion Ratio Lower Upper  
95 100  
174 98.7 0.0 195.4  
176 94.6 0.0 192.6

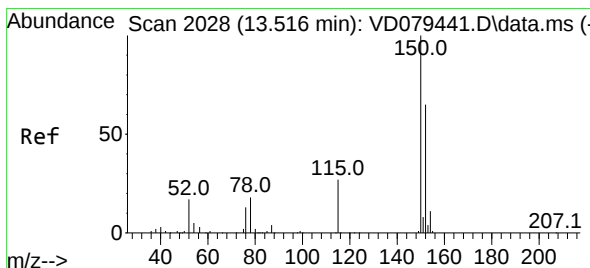
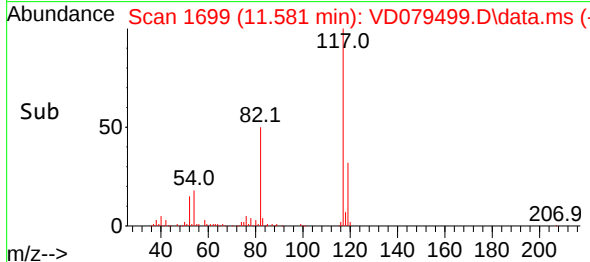
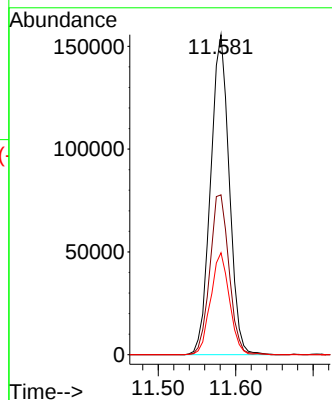
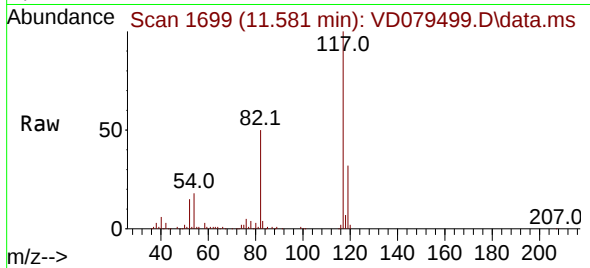




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

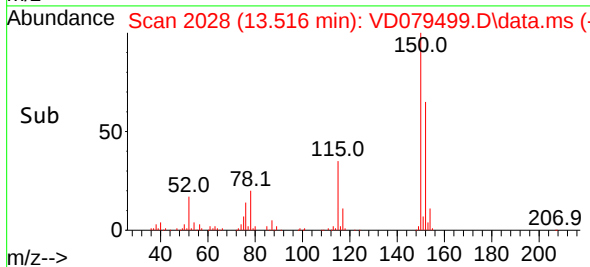
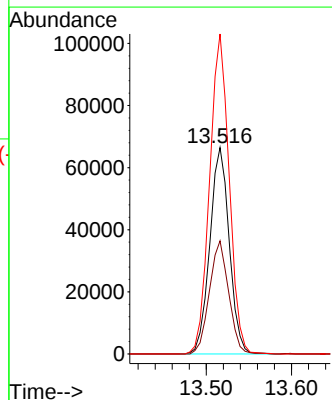
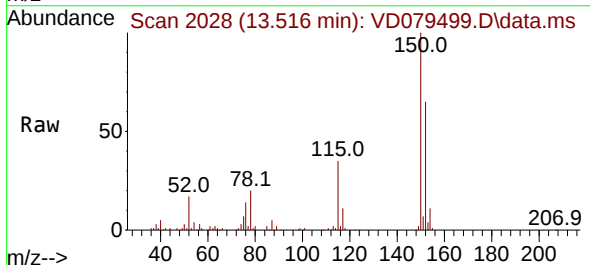
Instrument :  
MSVOA\_D  
ClientSampleId :

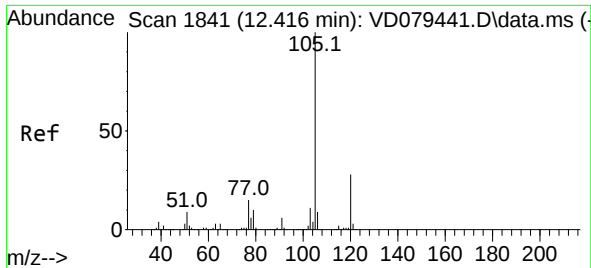
Tgt Ion:117 Resp: 259897  
Ion Ratio Lower Upper  
117 100  
82 50.0 39.8 59.6  
119 31.8 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

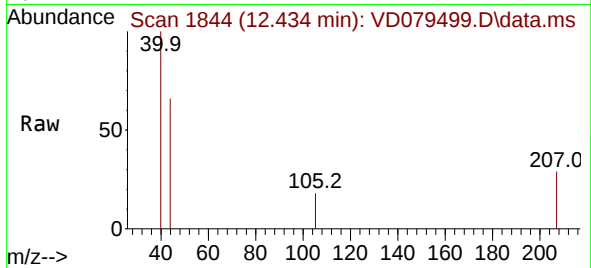
Tgt Ion:152 Resp: 105231  
Ion Ratio Lower Upper  
152 100  
115 54.3 26.5 79.5  
150 155.5 0.0 341.6



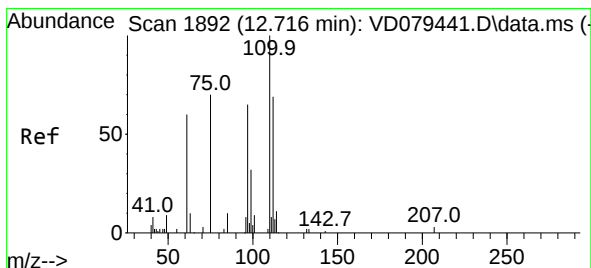
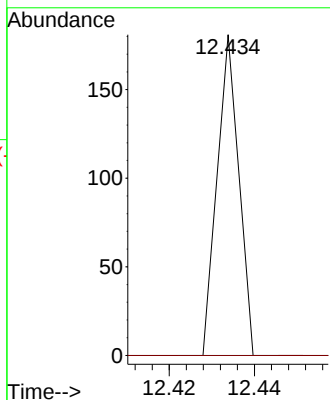
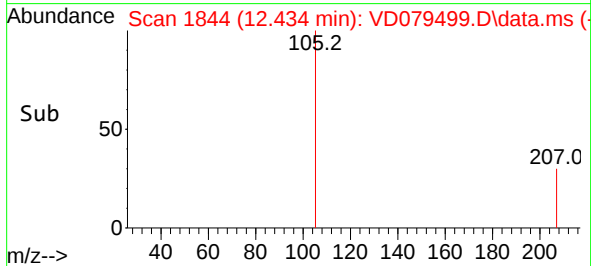


#73  
Isopropylbenzene  
Concen: 3.635 ug/l  
RT: 12.434 min Scan# 1844  
Delta R.T. 0.018 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Instrument :  
MSVOA\_D  
ClientSampleId :

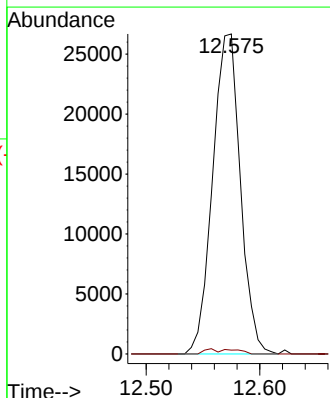
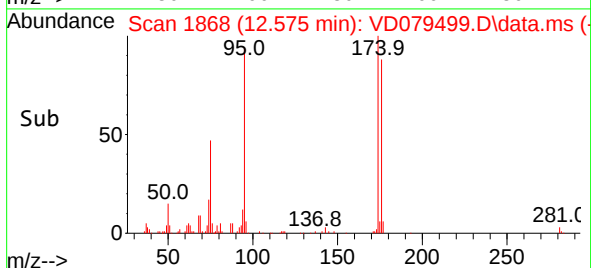
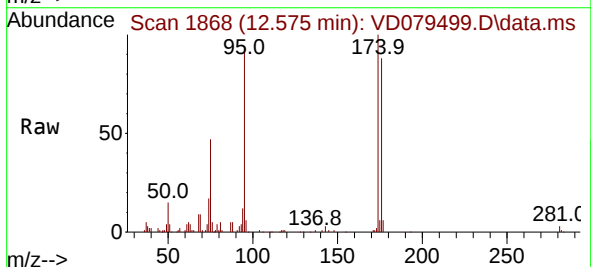


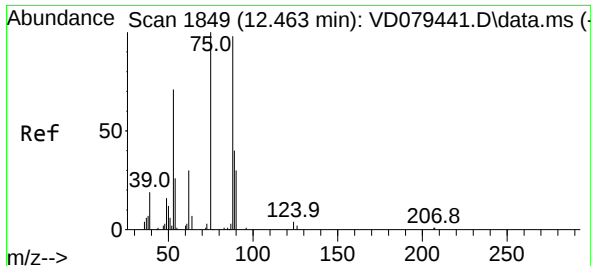
Tgt Ion:105 Resp: 64  
Ion Ratio Lower Upper  
105 100  
120 0.0 13.6 40.7#



#76  
1,2,3-Trichloropropane  
Concen: 49.179 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Tgt Ion: 75 Resp: 45236  
Ion Ratio Lower Upper  
75 100  
77 0.7 0.0 0.0#

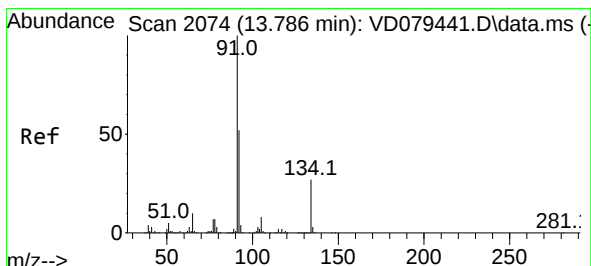
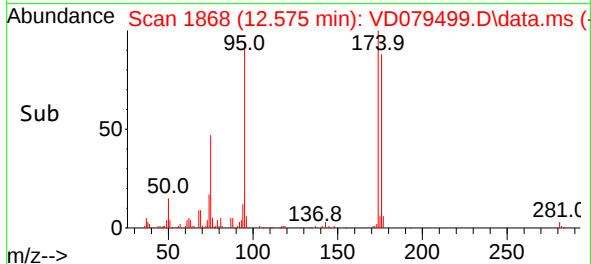
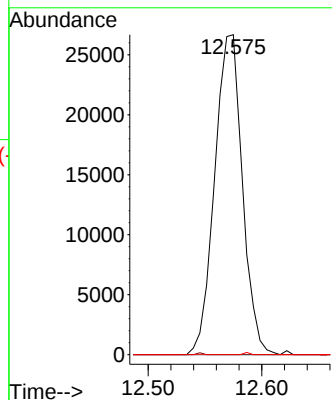
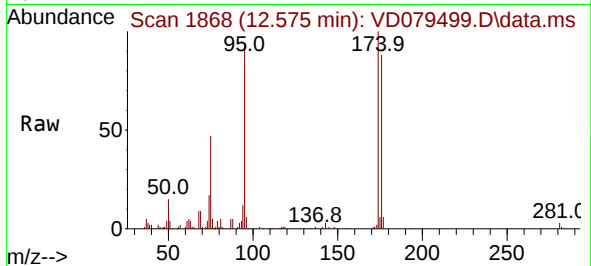




#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.798 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 45236  
Ion Ratio Lower Upper  
75 100  
53 0.0 61.4 92.2#  
89 0.1 35.4 53.0#



#89  
n-Butylbenzene  
Concen: 3.799 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. 0.006 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Tgt Ion: 91 Resp: 122  
Ion Ratio Lower Upper  
91 100  
92 0.0 25.7 77.0#  
134 0.0 13.6 40.8#

