

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD073124\  
 Data File : VD079501.D  
 Acq On : 31 Jul 2024 17:32  
 Operator : RP/MD  
 Sample : P3379-13  
 Misc : 6.08G/5.0ml/MSVOA\_D/SOIL/B  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 01 01:53:41 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

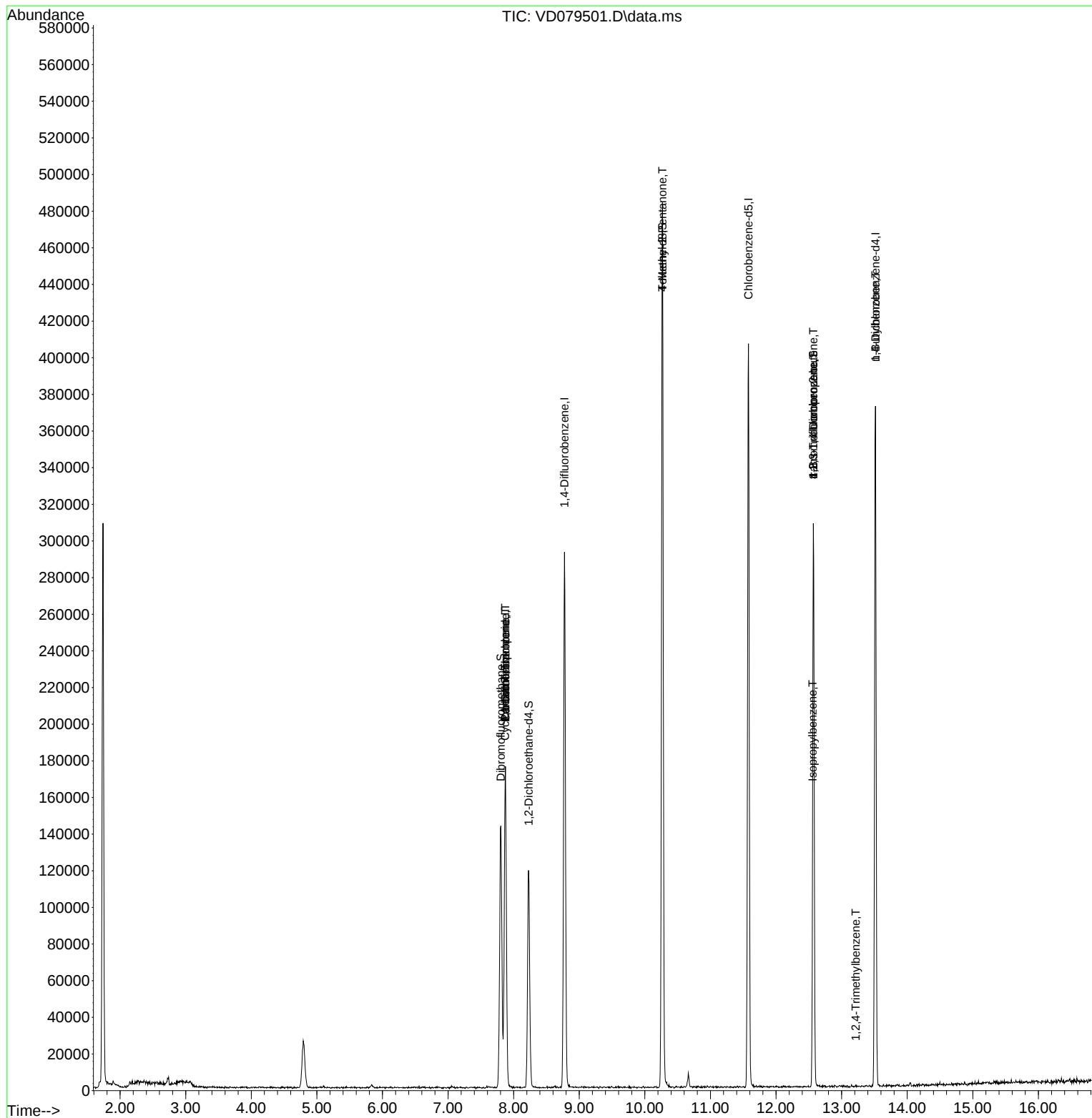
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 140871   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 270939   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 254369   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 109182   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 92961    | 64.957    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 129.920% |          |
| 35) Dibromofluoromethane      | 7.804  | 113   | 103697   | 56.546    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 113.100% |          |
| 50) Toluene-d8                | 10.269 | 98    | 354424   | 49.768    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 99.540%  |          |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 92654    | 44.960    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 89.920%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.693  | 94    | 116      | Below Cal | #          | 55       |
| 11) Tert butyl alcohol        | 5.063  | 59    | 71       | Below Cal | #          | 86       |
| 20) Methylene Chloride        | 4.793  | 84    | 20405    | Below Cal | #          | 87       |
| 31) Cyclohexane               | 7.869  | 56    | 2879     | 1.211     | ug/l #     | 14       |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 10404    | 4.157     | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 13452    | 5.112     | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.269 | 43    | 1523     | 1.547     | ug/l #     | 1        |
| 73) Isopropylbenzene          | 12.557 | 105   | 62       | 3.635     | ug/l #     | 48       |
| 76) 1,2,3-Trichloropropane    | 12.569 | 75    | 45137    | 47.296    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75    | 45137    | 90.206    | ug/l #     | 19       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105   | 93       | 3.441     | ug/l #     | 29       |
| 89) n-Butylbenzene            | 13.516 | 91    | 259      | 3.816     | ug/l #     | 34       |
| -----                         |        |       |          |           |            |          |

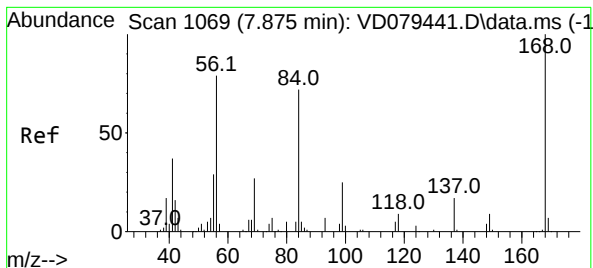
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD073124\  
Data File : VD079501.D  
Acq On : 31 Jul 2024 17:32  
Operator : RP/MD  
Sample : P3379-13  
Misc : 6.08G/5.0ml/MSVOA\_D/SOIL/B  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Aug 01 01:53:41 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: VD079501.D

Acq: 31 Jul 2024 17:32

Instrument :

MSVOA\_D

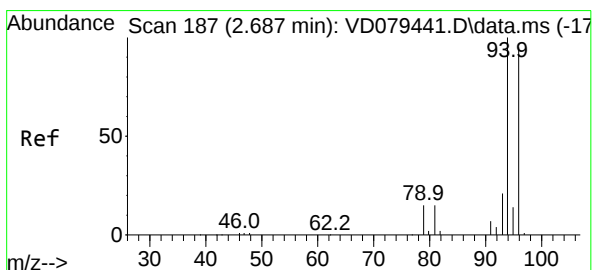
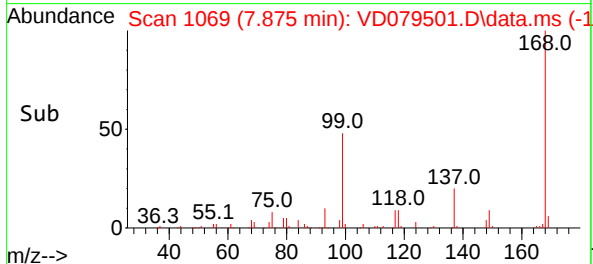
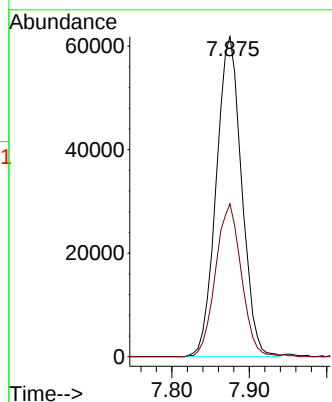
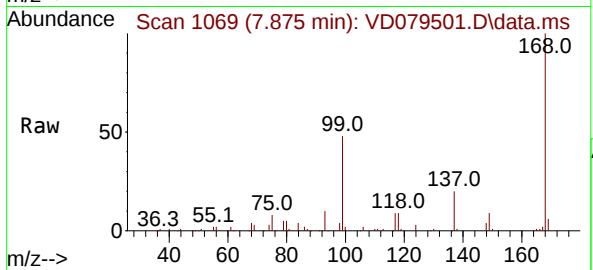
ClientSampleId :

Tgt Ion:168 Resp: 140871

Ion Ratio Lower Upper

168 100

99 47.7 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.693 min Scan# 188

Delta R.T. 0.006 min

Lab File: VD079501.D

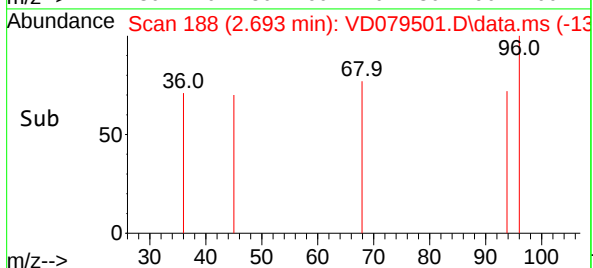
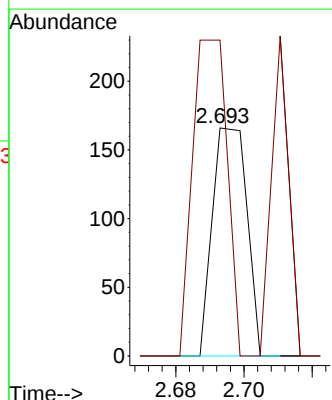
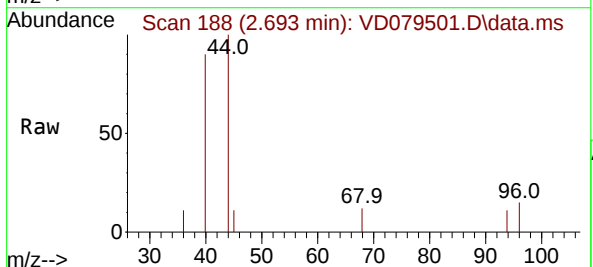
Acq: 31 Jul 2024 17:32

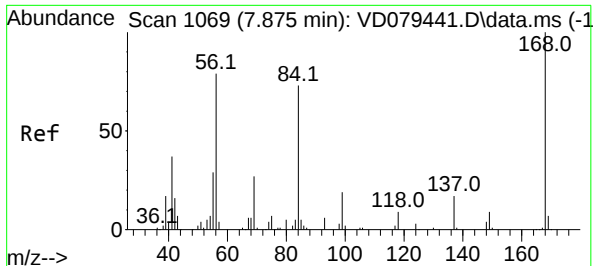
Tgt Ion: 94 Resp: 116

Ion Ratio Lower Upper

94 100

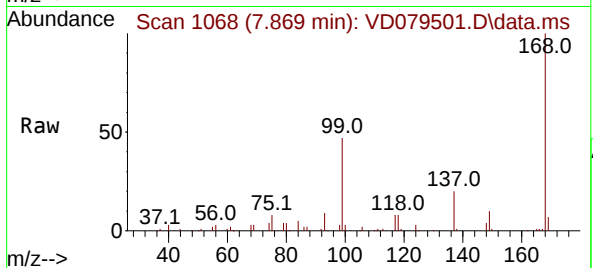
96 139.7 76.9 115.3#



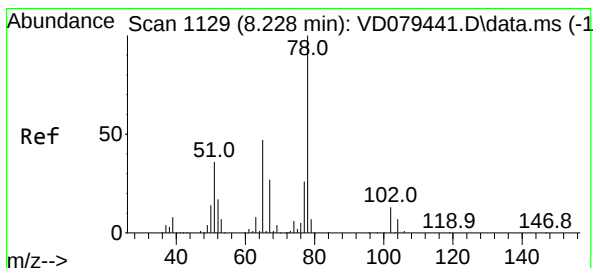
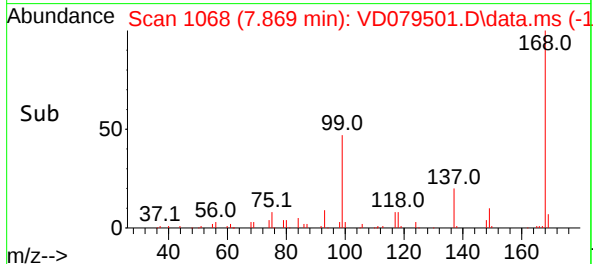
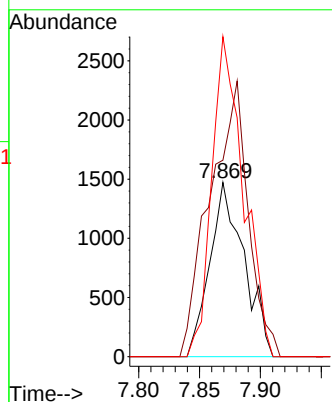


#31  
Cyclohexane  
Concen: 1.211 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.012 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

Instrument :  
MSVOA\_D  
ClientSampleId :

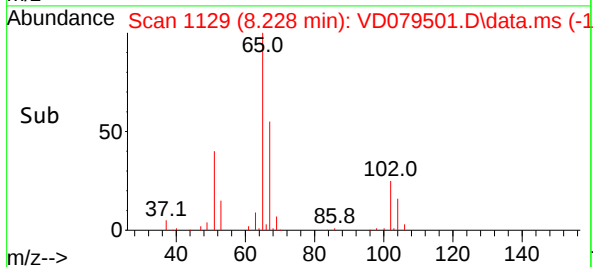
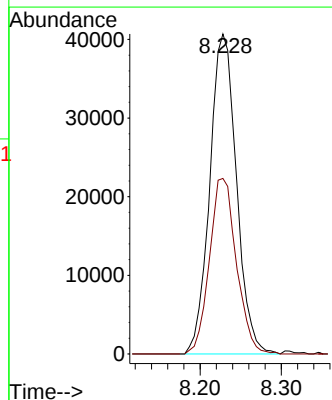
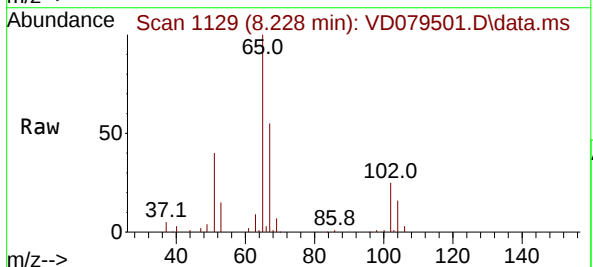


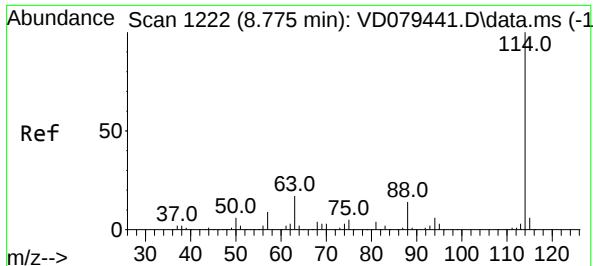
Tgt Ion: 56 Resp: 2879  
Ion Ratio Lower Upper  
56 100  
69 112.8 28.0 42.0#  
84 183.7 87.4 131.0#



#33  
1,2-Dichloroethane-d4  
Concen: 64.957 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

Tgt Ion: 65 Resp: 92961  
Ion Ratio Lower Upper  
65 100  
67 55.4 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079501.D

Acq: 31 Jul 2024 17:32

Instrument :

MSVOA\_D

ClientSampleId :

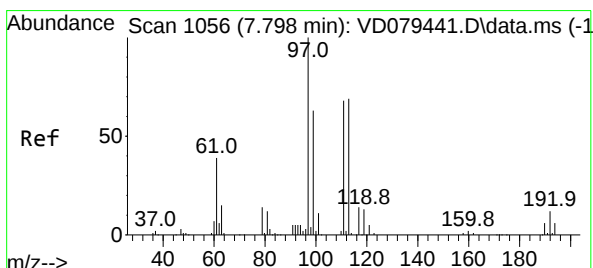
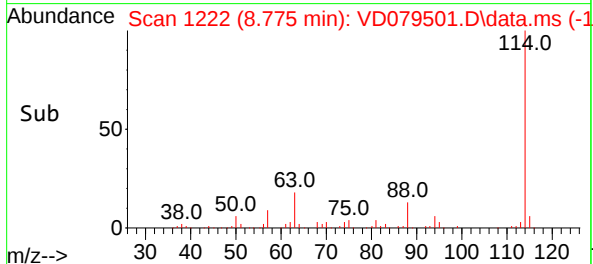
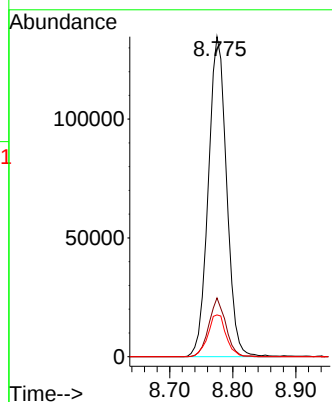
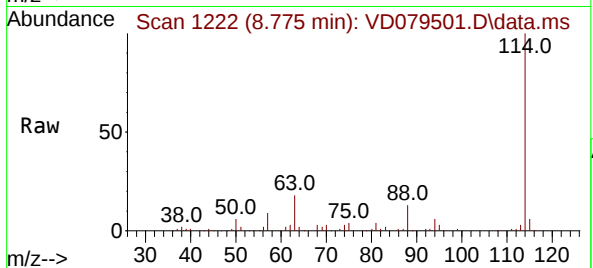
Tgt Ion:114 Resp: 270939

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.0

88 13.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 56.546 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079501.D

Acq: 31 Jul 2024 17:32

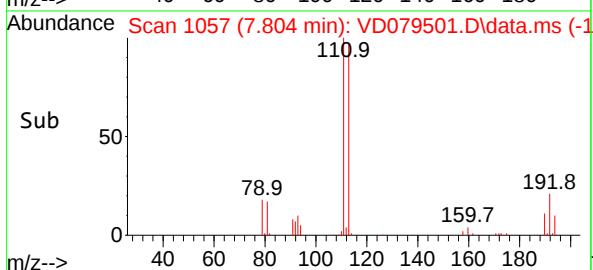
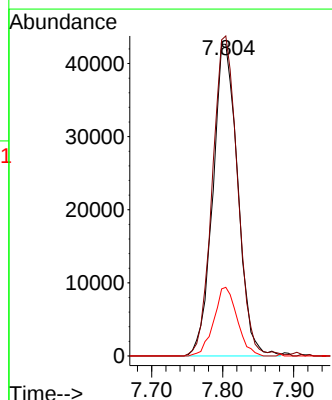
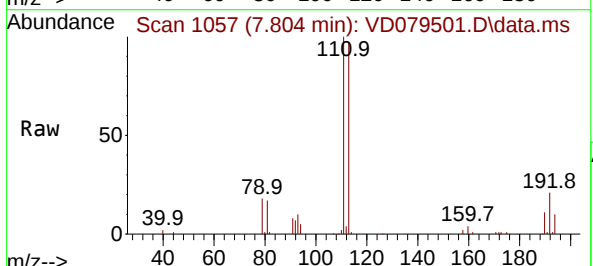
Tgt Ion:113 Resp: 103697

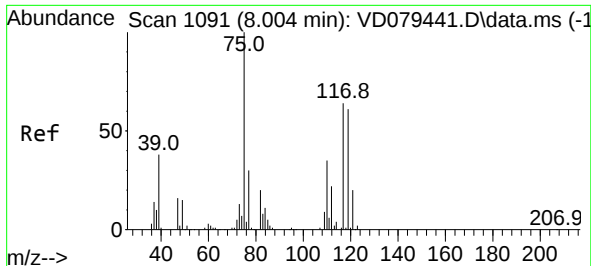
Ion Ratio Lower Upper

113 100

111 103.5 84.0 126.0

192 20.7 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.157 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

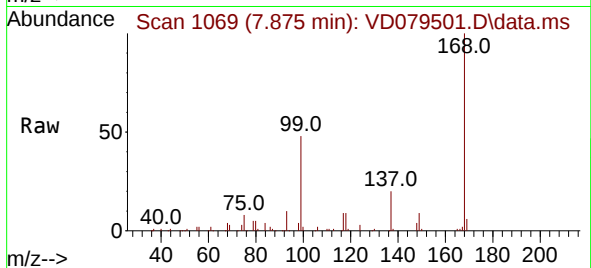
Lab File: VD079501.D

Acq: 31 Jul 2024 17:32

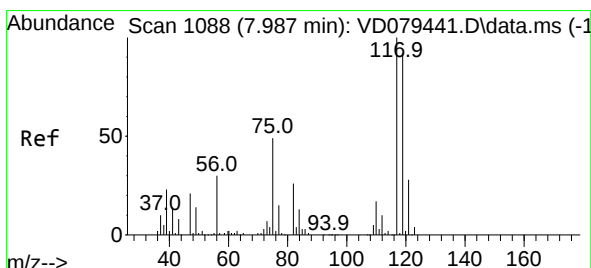
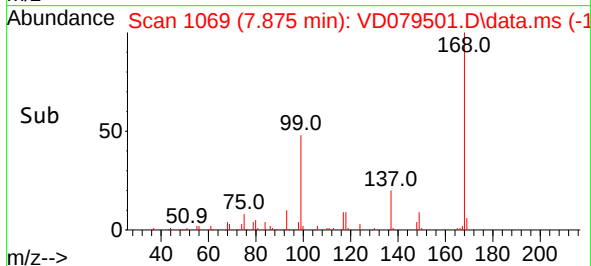
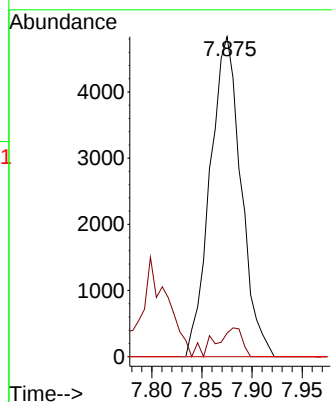
Instrument :

MSVOA\_D

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 10404 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 7.8   | 19.6  | 58.7# |
| 77        | 0.0   | 26.1  | 39.1# |



#38

Carbon Tetrachloride

Concen: 5.112 ug/l

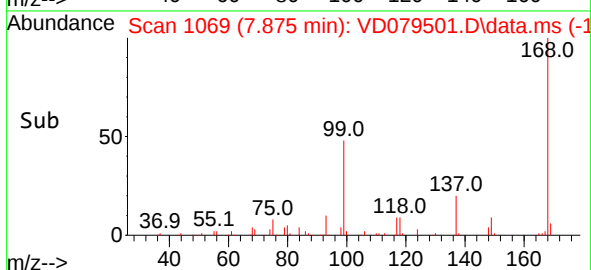
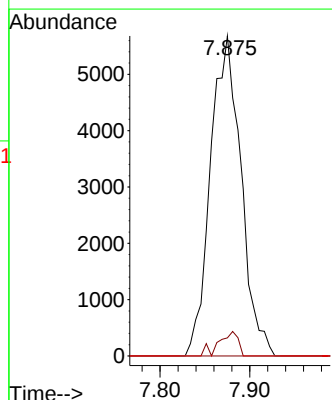
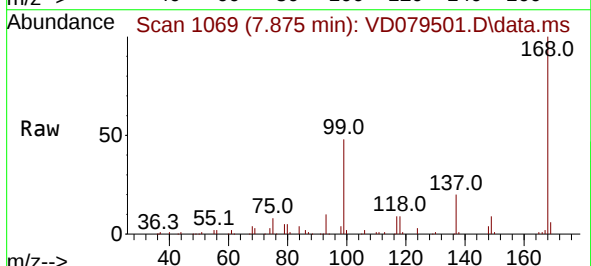
RT: 7.875 min Scan# 1069

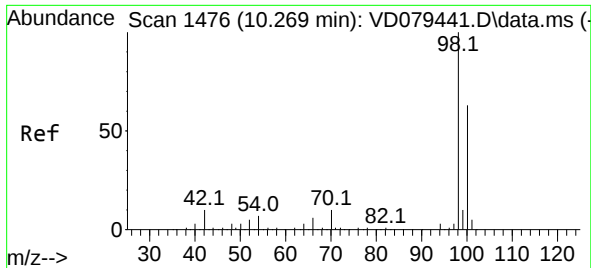
Delta R.T. -0.112 min

Lab File: VD079501.D

Acq: 31 Jul 2024 17:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 13452  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 5.7   | 75.4  | 113.0# |
| 121       | 0.0   | 25.0  | 37.4#  |

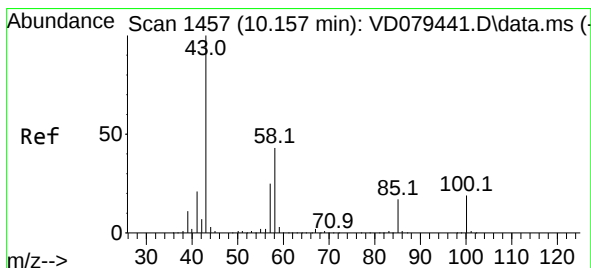
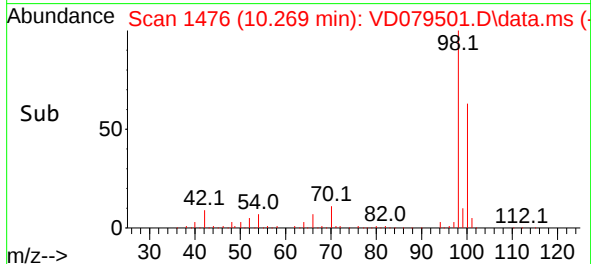
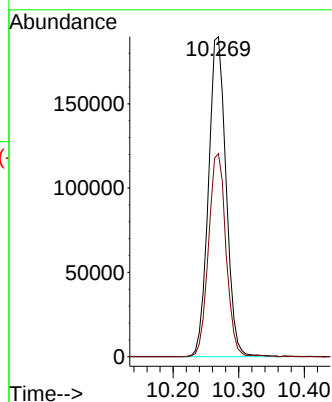
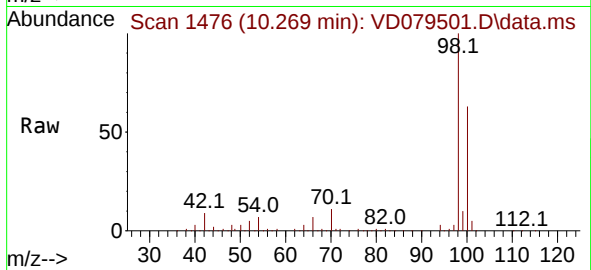




#50  
Toluene-d8  
Concen: 49.768 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

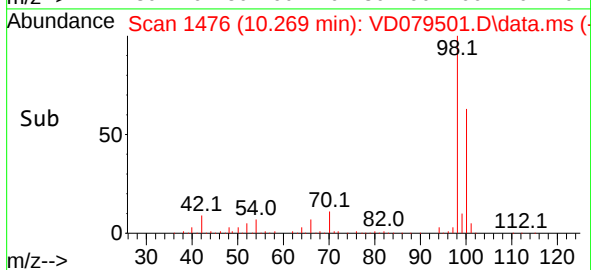
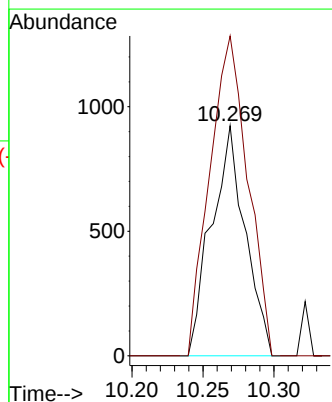
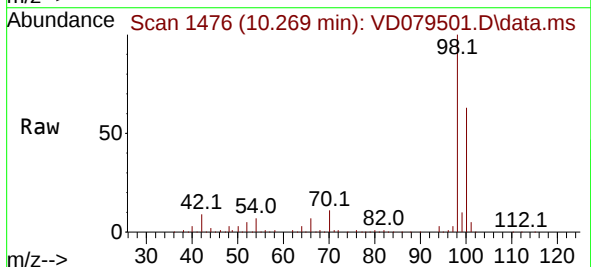
Instrument :  
MSVOA\_D  
ClientSampleId :

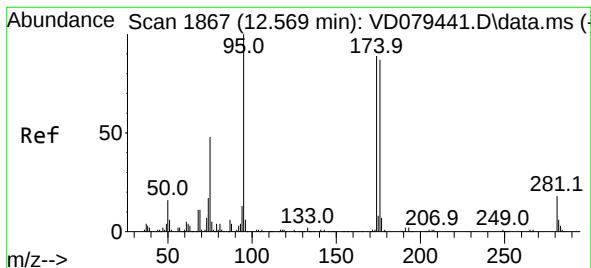
Tgt Ion: 98 Resp: 354424  
Ion Ratio Lower Upper  
98 100  
100 63.1 51.6 77.4



#51  
4-Methyl-2-Pentanone  
Concen: 1.547 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.112 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

Tgt Ion: 43 Resp: 1523  
Ion Ratio Lower Upper  
43 100  
58 157.2 36.6 55.0#

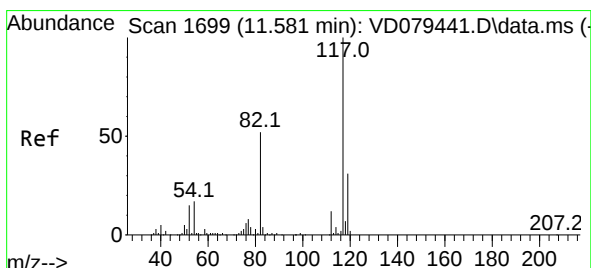
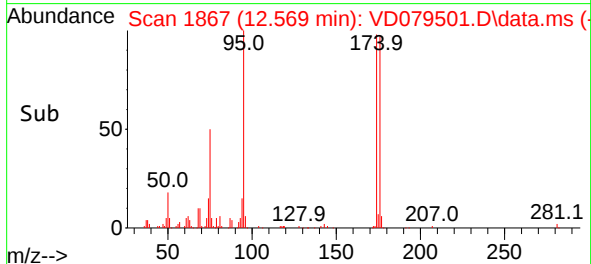
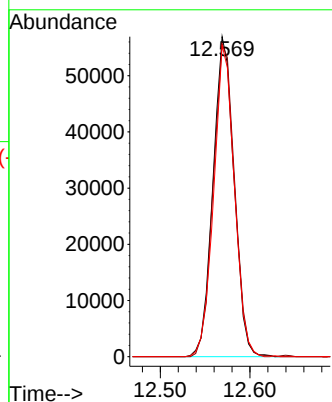
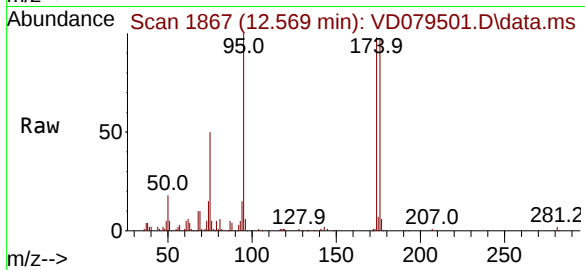




#62  
4-Bromofluorobenzene  
Concen: 44.960 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

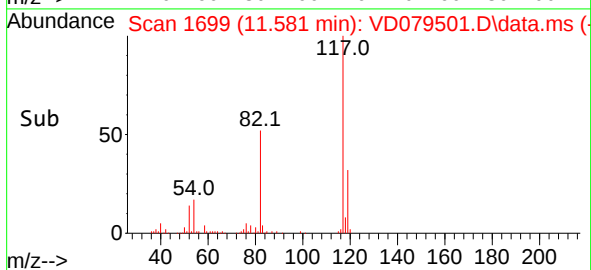
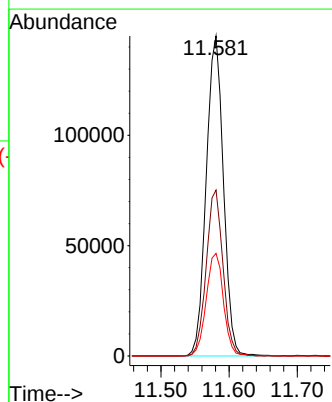
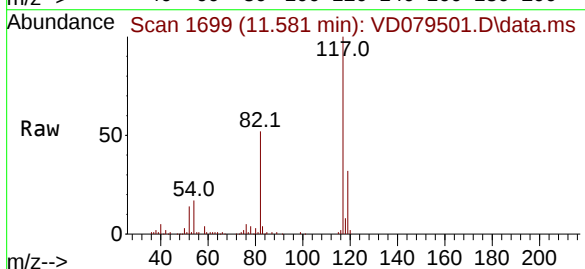
Instrument :  
MSVOA\_D  
ClientSampleId :

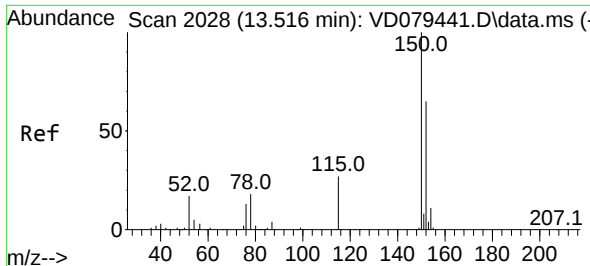
Tgt Ion: 95 Resp: 92654  
Ion Ratio Lower Upper  
95 100  
174 99.3 0.0 195.4  
176 95.3 0.0 192.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

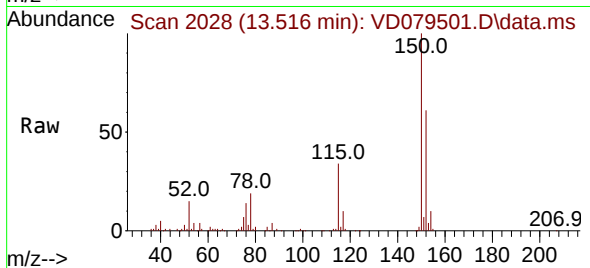
Tgt Ion: 117 Resp: 254369  
Ion Ratio Lower Upper  
117 100  
82 51.9 39.8 59.6  
119 32.0 25.7 38.5



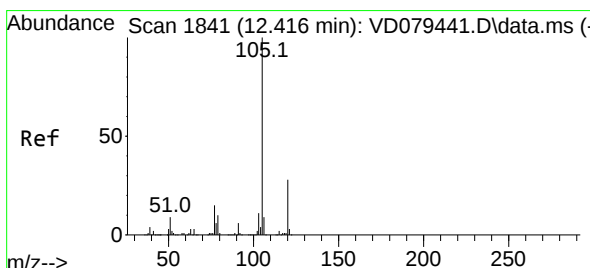
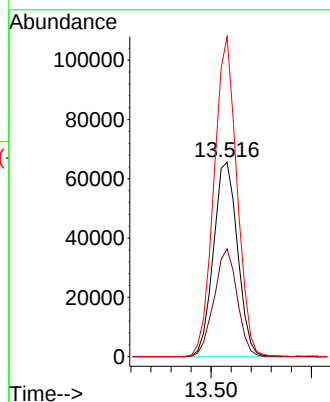
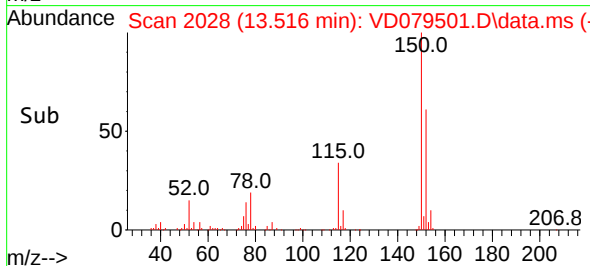


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

Instrument :  
MSVOA\_D  
ClientSampleId :

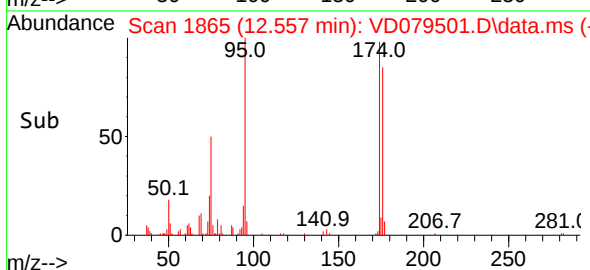
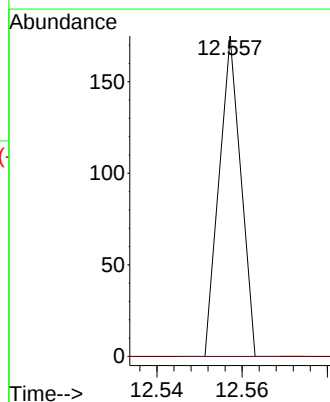
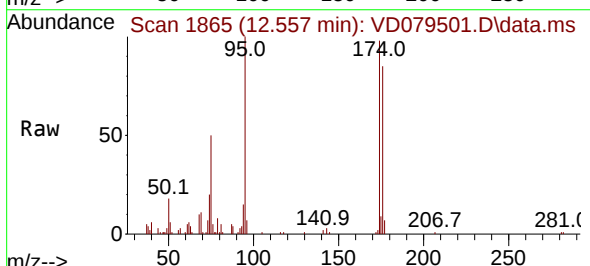


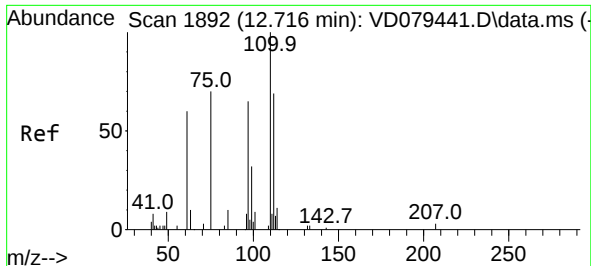
Tgt Ion:152 Resp: 109182  
Ion Ratio Lower Upper  
152 100  
115 53.3 26.5 79.5  
150 157.1 0.0 341.6



#73  
Isopropylbenzene  
Concen: 3.635 ug/l  
RT: 12.557 min Scan# 1865  
Delta R.T. 0.141 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

Tgt Ion:105 Resp: 62  
Ion Ratio Lower Upper  
105 100  
120 0.0 13.6 40.7#

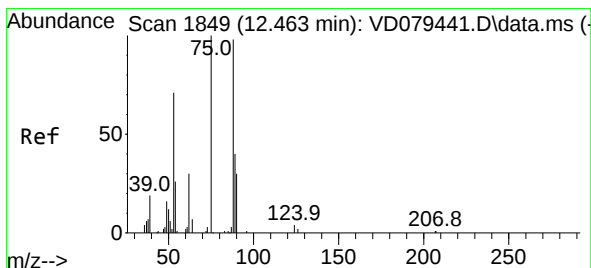
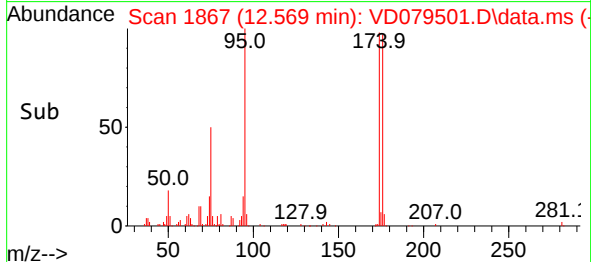
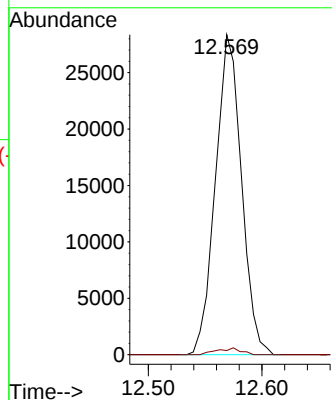
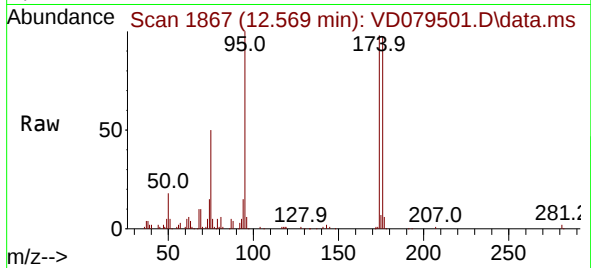




#76  
1,2,3-Trichloropropane  
Concen: 47.296 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.153 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

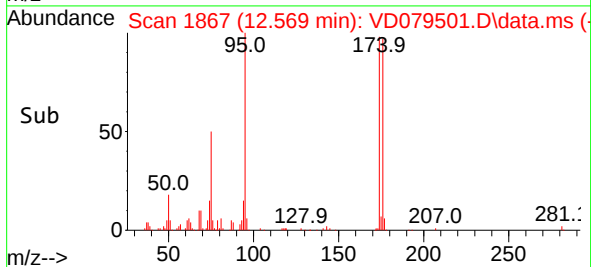
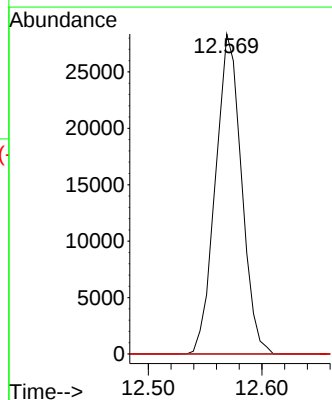
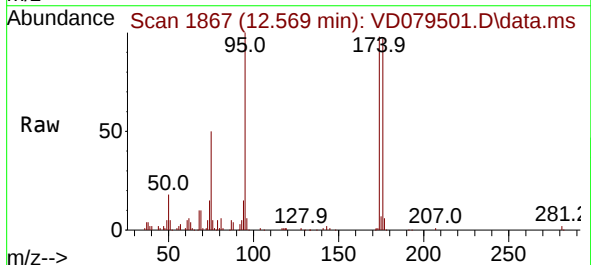
Instrument :  
MSVOA\_D  
ClientSampleId :

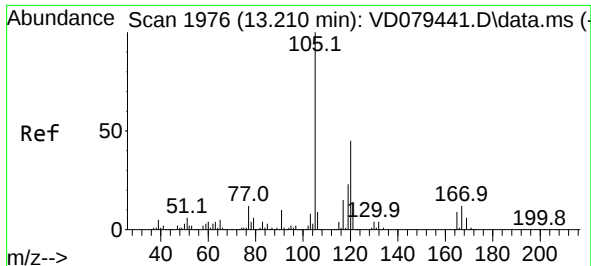
Tgt Ion: 75 Resp: 45137  
Ion Ratio Lower Upper  
75 100  
77 1.9 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.206 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.100 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

Tgt Ion: 75 Resp: 45137  
Ion Ratio Lower Upper  
75 100  
53 0.0 61.4 92.2#  
89 0.0 35.4 53.0#

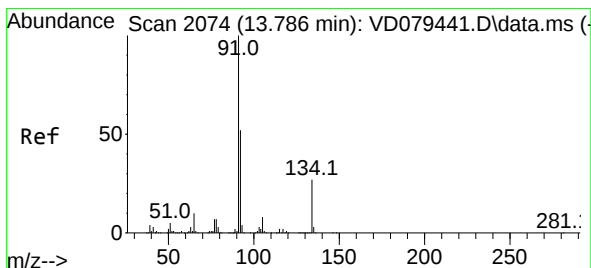
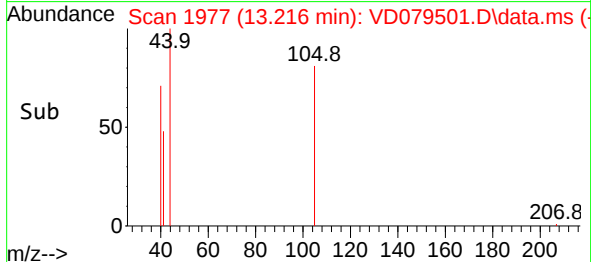
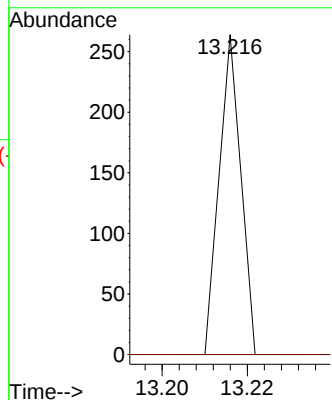
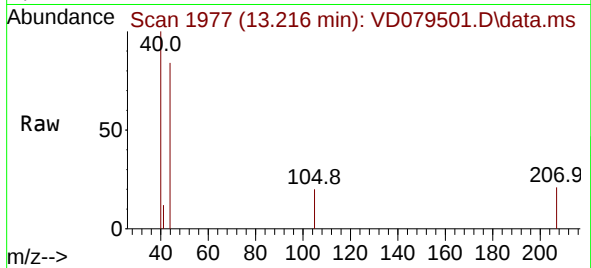




#84  
1,2,4-Trimethylbenzene  
Concen: 3.441 ug/l  
RT: 13.216 min Scan# 1976  
Delta R.T. 0.012 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:105 Resp: 93  
Ion Ratio Lower Upper  
105 100  
120 0.0 23.6 71.0#



#89  
n-Butylbenzene  
Concen: 3.816 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.265 min  
Lab File: VD079501.D  
Acq: 31 Jul 2024 17:32

Tgt Ion: 91 Resp: 259  
Ion Ratio Lower Upper  
91 100  
92 0.0 25.7 77.0#  
134 0.0 13.6 40.8#

