

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092622\  
 Data File : VD074422.D  
 Acq On : 26 Sep 2022 16:42  
 Operator : VA/SY  
 Sample : VD0926SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 27 03:24:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D092622S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 27 03:19:14 2022  
 Response via : Initial Calibration

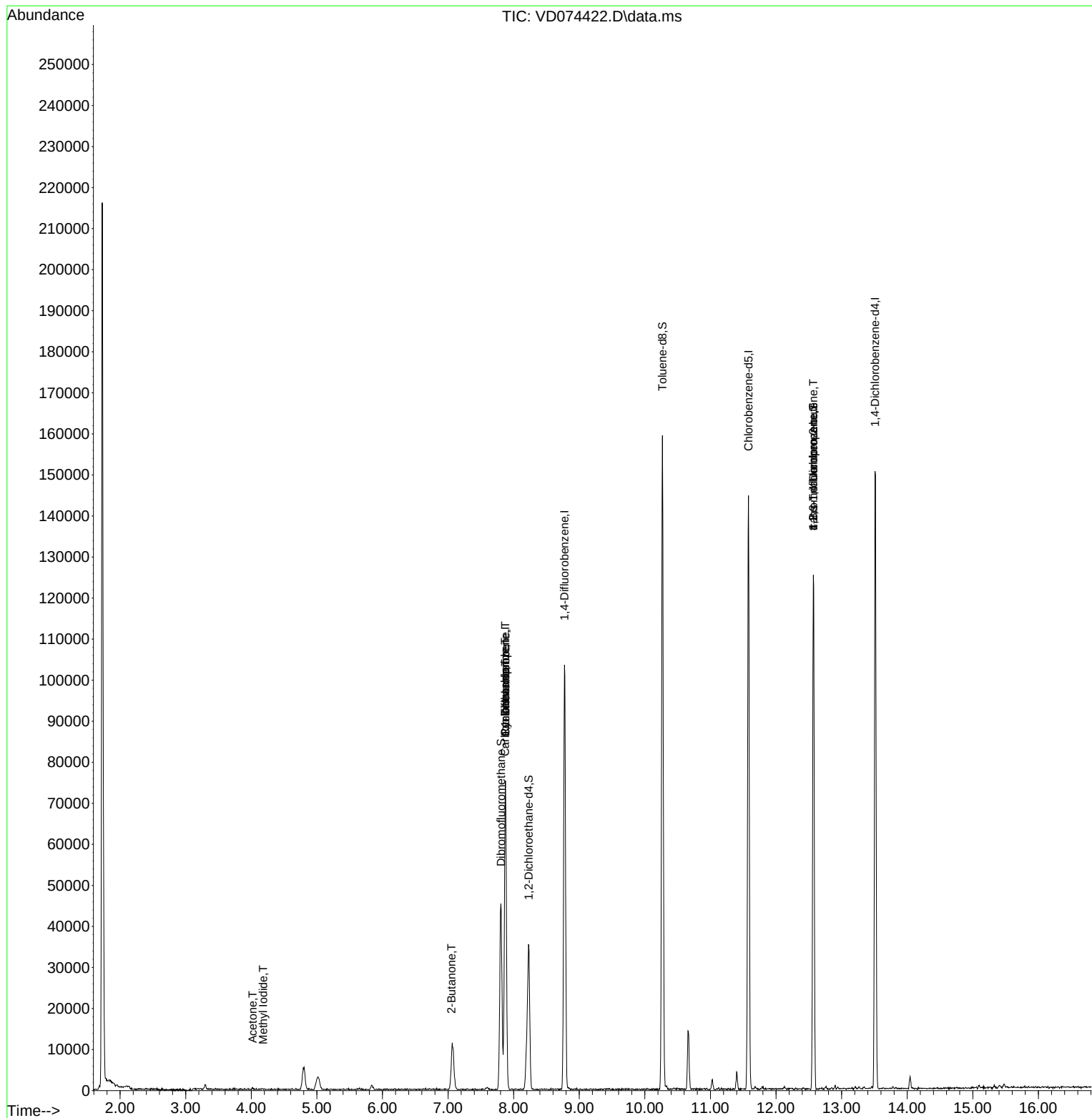
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 62194    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 100145   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 91265    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.510 | 152   | 44427    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 26498    | 49.487    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 98.980%  |
| 35) Dibromofluoromethane      | 7.810  | 113   | 34163    | 50.729    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 101.460% |
| 50) Toluene-d8                | 10.269 | 98    | 117745   | 51.701    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 103.400% |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 37048    | 46.133    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 92.260%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.140  | 50    | 289      | Below Cal | #      | 37       |
| 10) Methyl Iodide             | 4.181  | 142   | 329      | 7.599     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 5.016  | 59    | 3392     | Below Cal | #      | 84       |
| 16) Acetone                   | 4.022  | 43    | 201      | 1.935     | ug/l # | 37       |
| 20) Methylene Chloride        | 4.811  | 84    | 4956     | Below Cal |        | 96       |
| 25) 2-Butanone                | 7.052  | 43    | 275      | 1.932     | ug/l # | 42       |
| 31) Cyclohexane               | 7.875  | 56    | 1070     | 1.177     | ug/l # | 40       |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 4136     | 4.548     | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.869  | 117   | 5796     | 6.660     | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 12.569 | 75    | 18819    | 54.158    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75    | 18819    | 132.158   | ug/l # | 17       |
| -----                         |        |       |          |           |        |          |

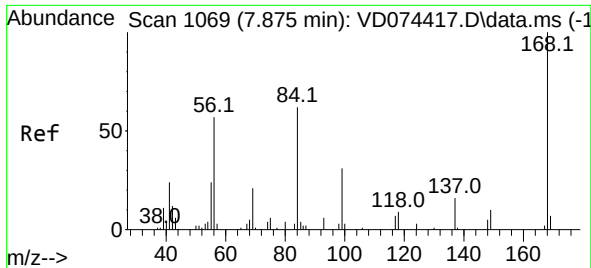
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092622\  
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Sample : VD0926SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Sep 27 03:24:53 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D092622S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 27 03:19:14 2022  
Response via : Initial Calibration

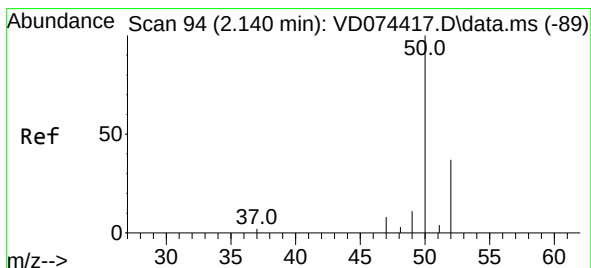
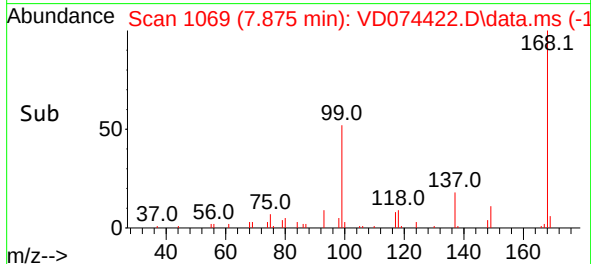
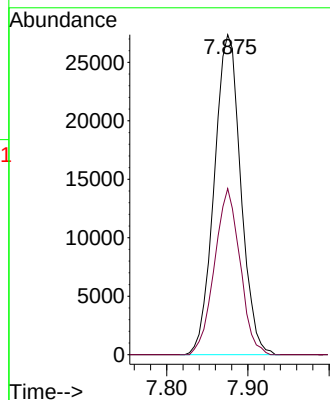
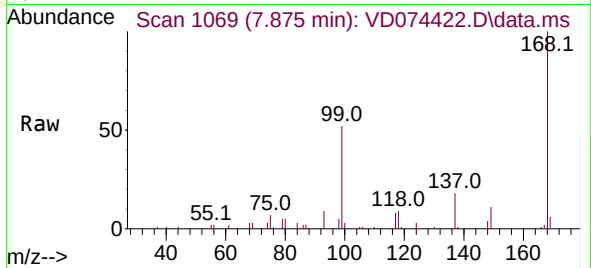




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074422.D  
Acq: 26 Sep 2022 16:42

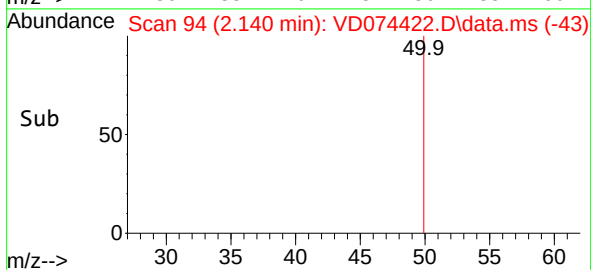
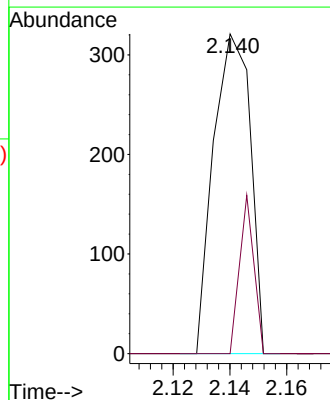
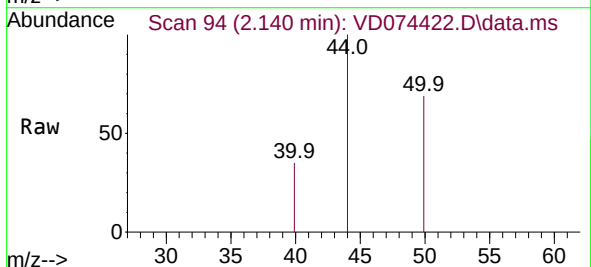
Instrument :  
MSVOA\_D  
ClientSampleId :

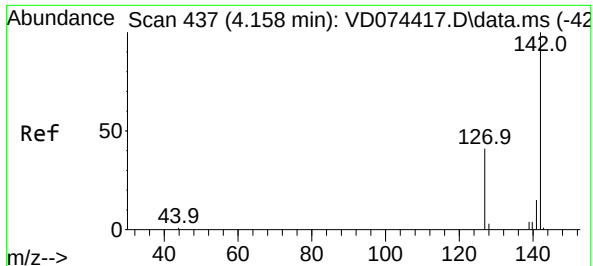
Tgt Ion:168 Resp: 62194  
Ion Ratio Lower Upper  
168 100  
99 51.9 40.9 61.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.140 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: VD074422.D  
Acq: 26 Sep 2022 16:42

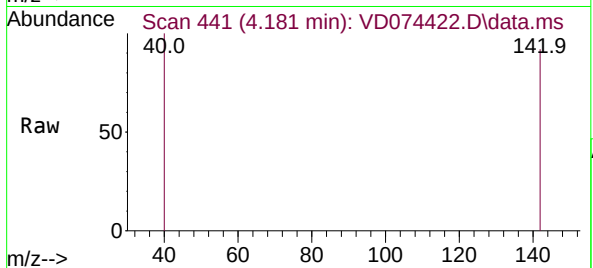
Tgt Ion: 50 Resp: 289  
Ion Ratio Lower Upper  
50 100  
52 0.0 30.0 45.0#



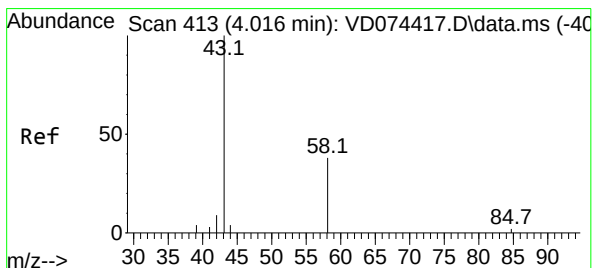
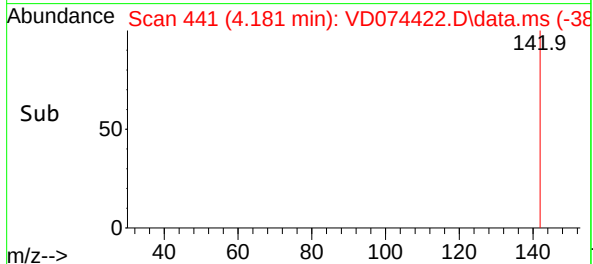
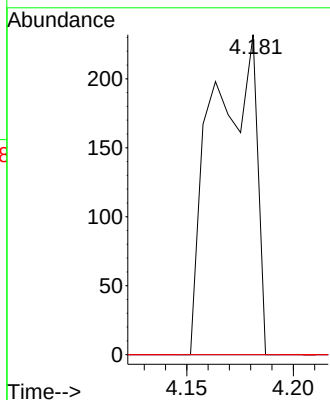


#10  
Methyl Iodide  
Concen: 7.599 ug/l  
RT: 4.181 min Scan# 441  
Delta R.T. 0.023 min  
Lab File: VD074422.D  
Acq: 26 Sep 2022 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :

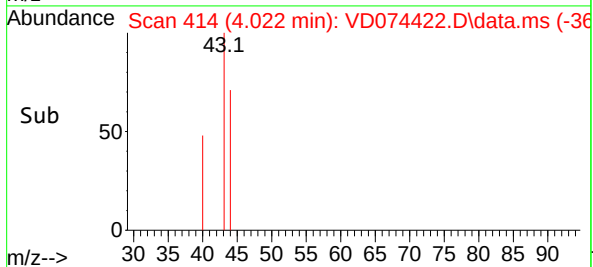
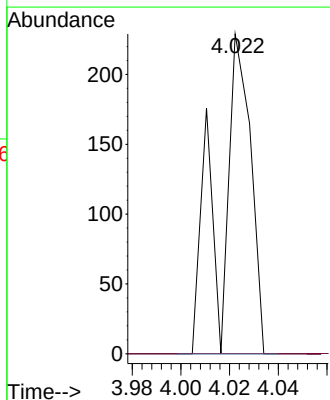
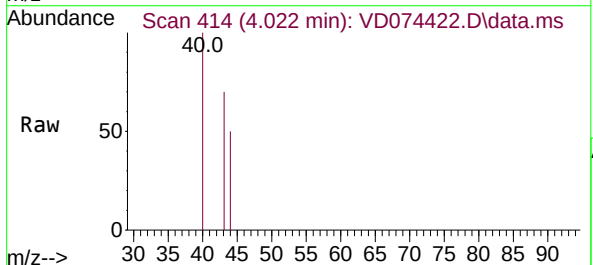


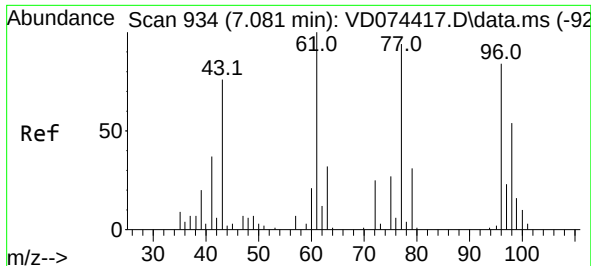
Tgt Ion:142 Resp: 329  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.9 47.9#  
141 0.0 11.4 17.2#



#16  
Acetone  
Concen: 1.935 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VD074422.D  
Acq: 26 Sep 2022 16:42

Tgt Ion: 43 Resp: 201  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.2 45.2#





#25

2-Butanone

Concen: 1.932 ug/l

RT: 7.052 min Scan# 91

Delta R.T. -0.029 min

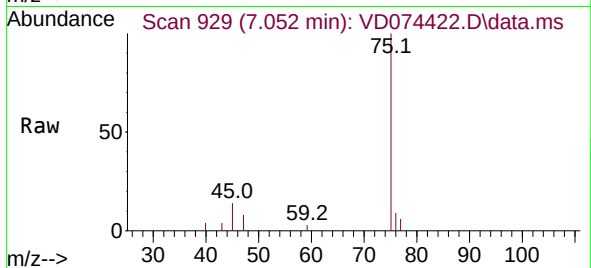
Lab File: VD074422.D

Acq: 26 Sep 2022 16:42

Instrument :

MSVOA\_D

ClientSampleId :

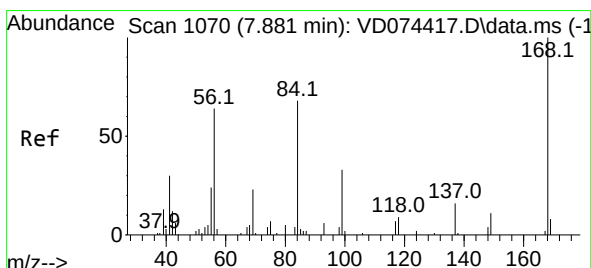
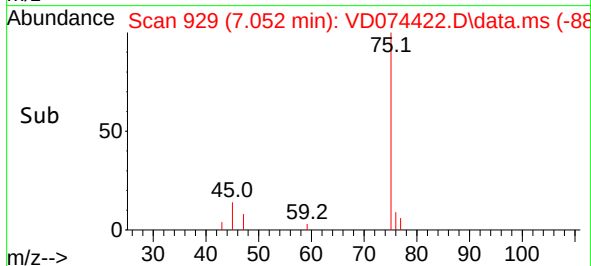
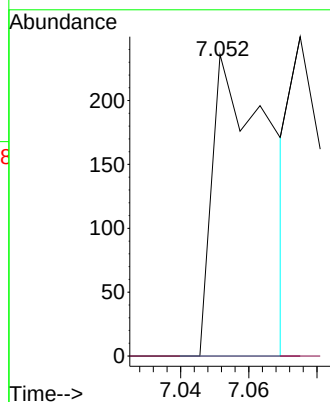


Tgt Ion: 43 Resp: 275

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD074422.D

Acq: 26 Sep 2022 16:42

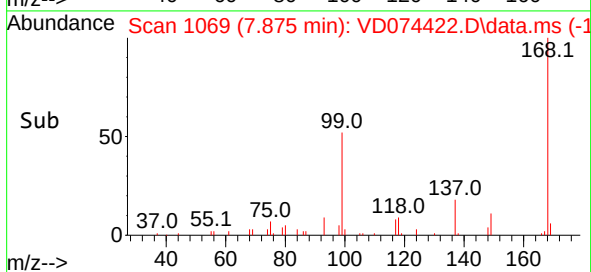
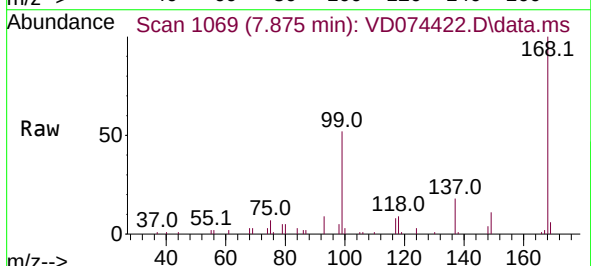
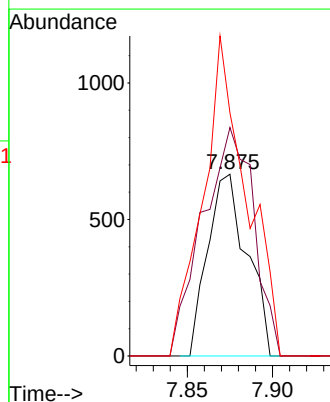
Tgt Ion: 56 Resp: 1070

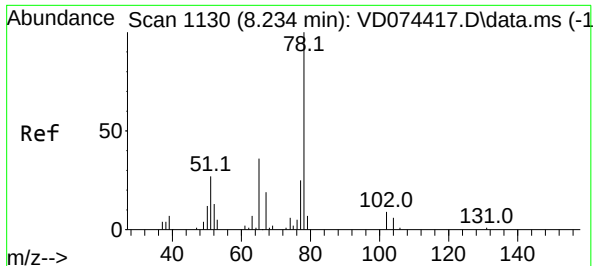
Ion Ratio Lower Upper

56 100

69 125.7 29.2 43.8#

84 133.6 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 49.487 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074422.D

Acq: 26 Sep 2022 16:42

Instrument :

MSVOA\_D

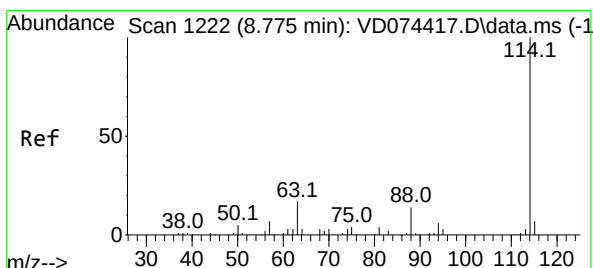
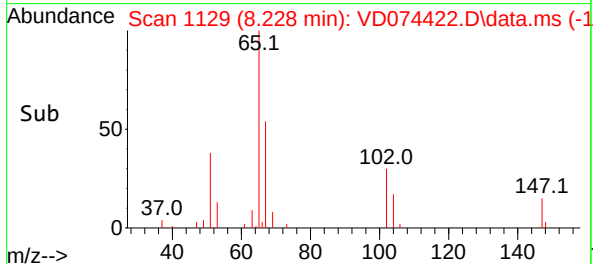
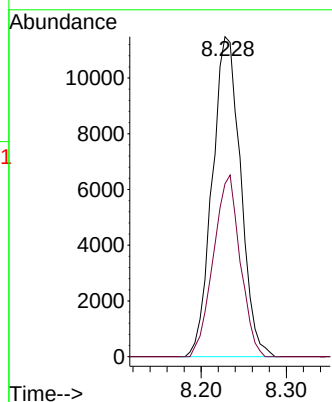
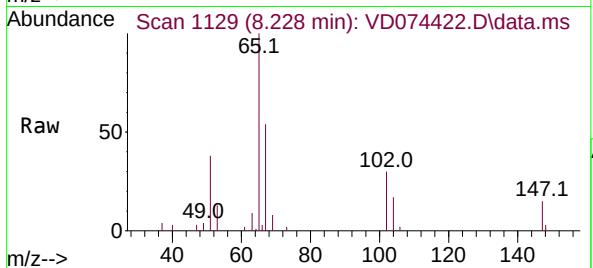
ClientSampleId :

Tgt Ion: 65 Resp: 26498

Ion Ratio Lower Upper

65 100

67 53.8 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD074422.D

Acq: 26 Sep 2022 16:42

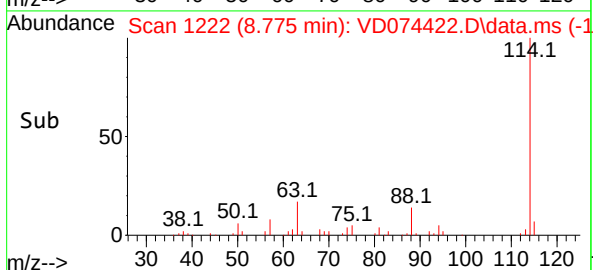
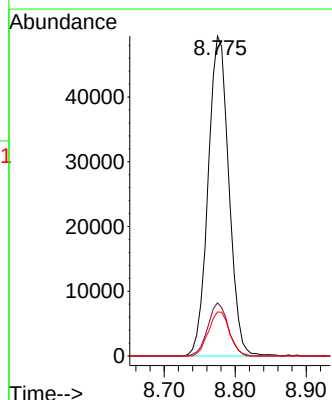
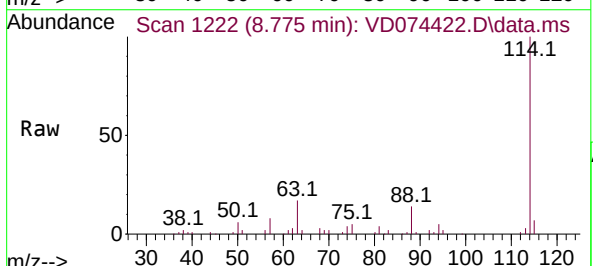
Tgt Ion: 114 Resp: 100145

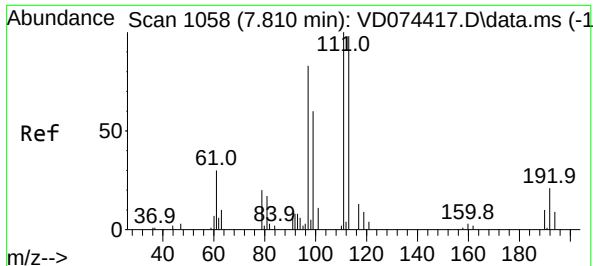
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 13.7 0.0 28.2





#35

Dibromofluoromethane

Concen: 50.729 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD074422.D

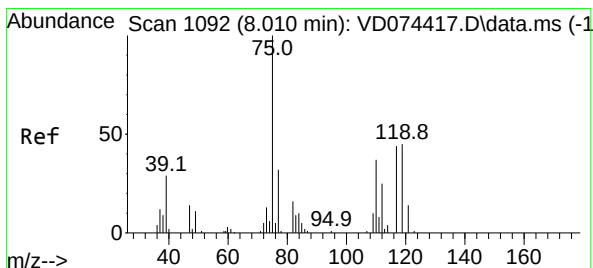
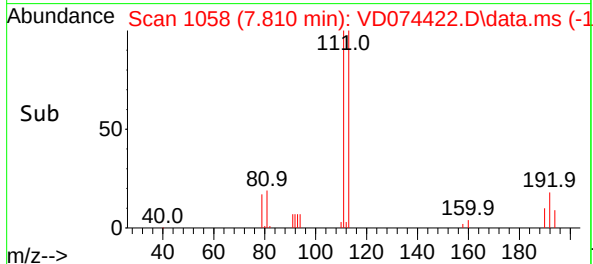
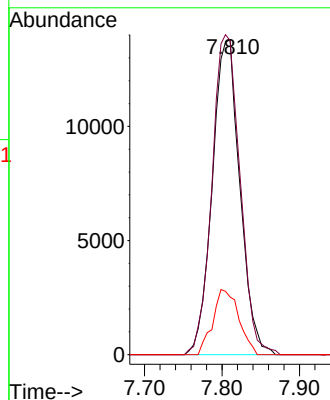
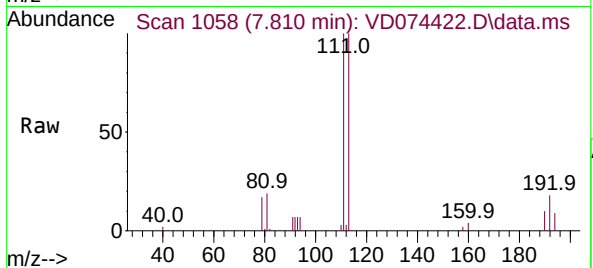
Acq: 26 Sep 2022 16:42

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 34163       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 103.2 | 82.3 123.5  |
| 192         | 19.4  | 16.4 24.6   |



#36

1,1-Dichloropropene

Concen: 4.548 ug/l

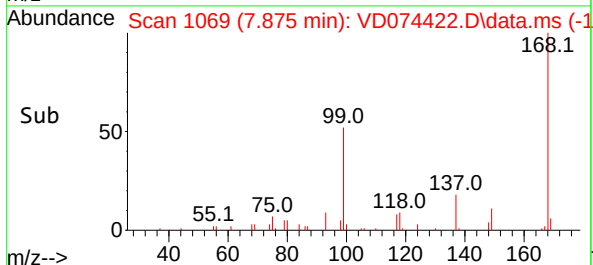
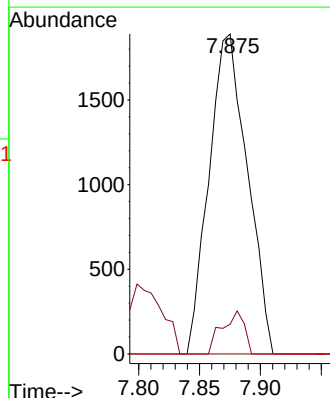
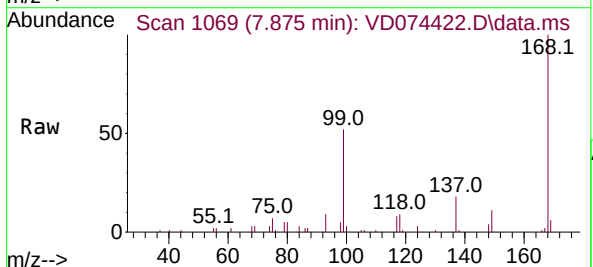
RT: 7.875 min Scan# 1069

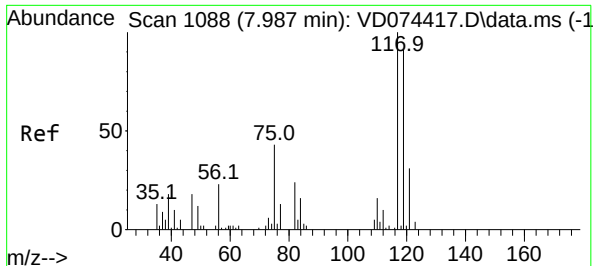
Delta R.T. -0.135 min

Lab File: VD074422.D

Acq: 26 Sep 2022 16:42

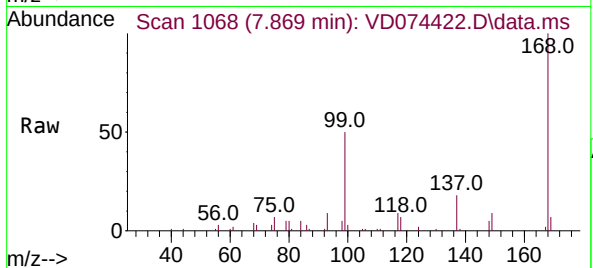
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 4136        |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 110         | 7.8   | 19.7 59.0#  |
| 77          | 0.0   | 25.4 38.2#  |



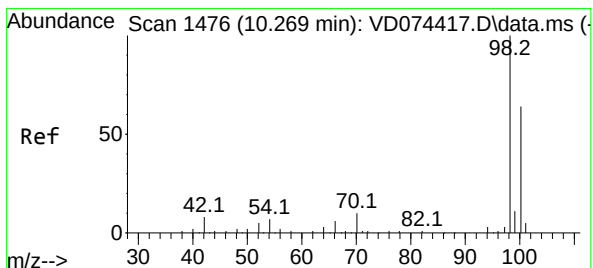
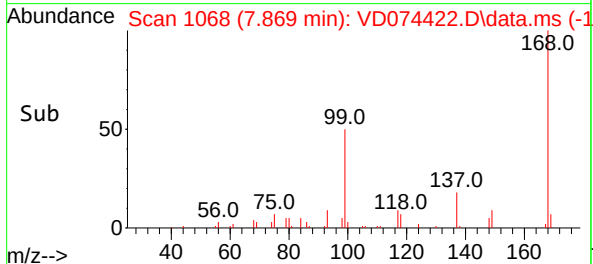
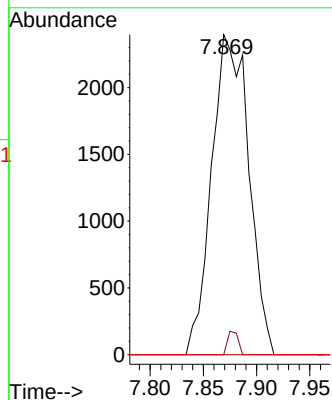


#38  
Carbon Tetrachloride  
Concen: 6.660 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.118 min  
Lab File: VD074422.D  
Acq: 26 Sep 2022 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :

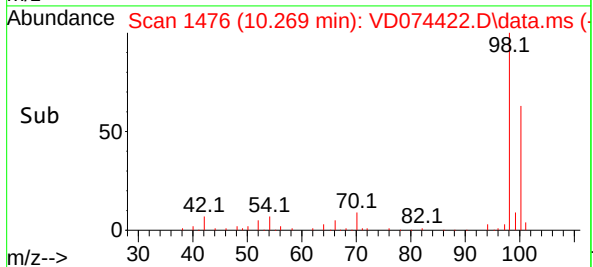
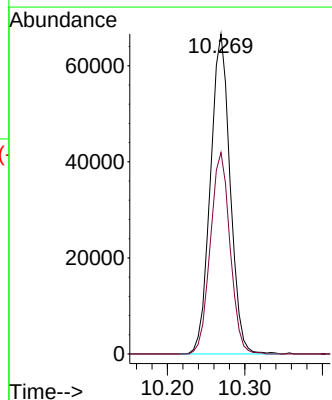
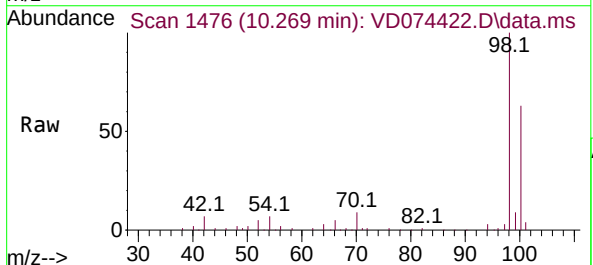


Tgt Ion:117 Resp: 5796  
Ion Ratio Lower Upper  
117 100  
119 0.0 73.1 109.7#  
121 0.0 25.0 37.6#

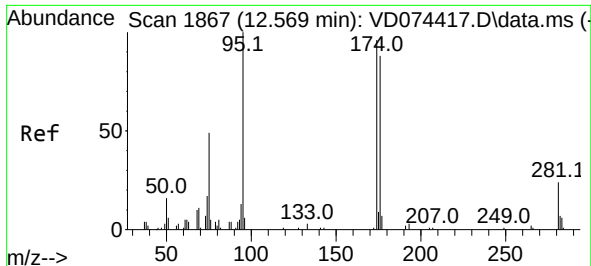


#50  
Toluene-d8  
Concen: 51.701 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074422.D  
Acq: 26 Sep 2022 16:42

Tgt Ion: 98 Resp: 117745  
Ion Ratio Lower Upper  
98 100  
100 62.9 51.4 77.0



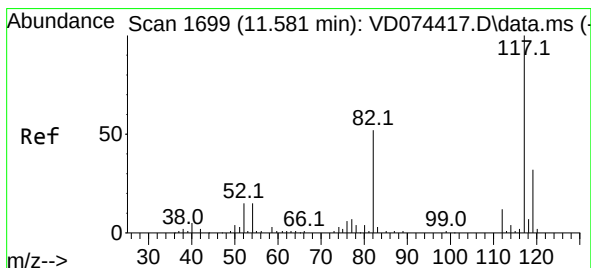
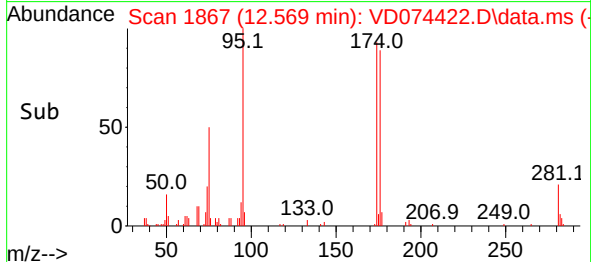
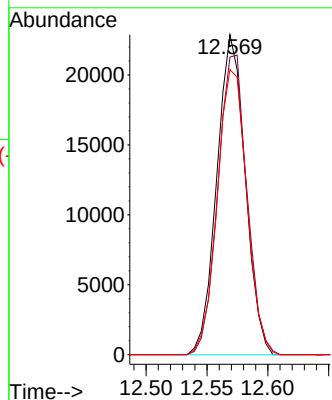
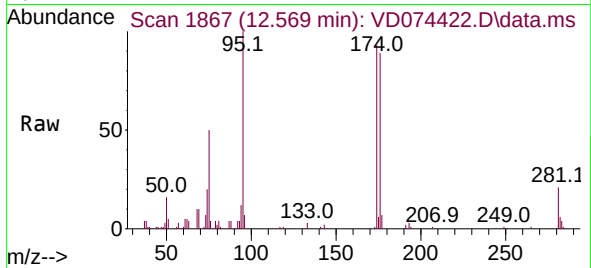




#62  
4-Bromofluorobenzene  
Concen: 46.133 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD074422.D  
Acq: 26 Sep 2022 16:42

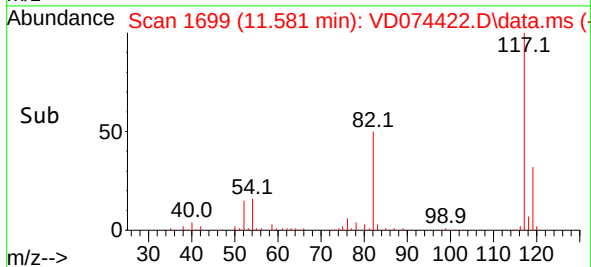
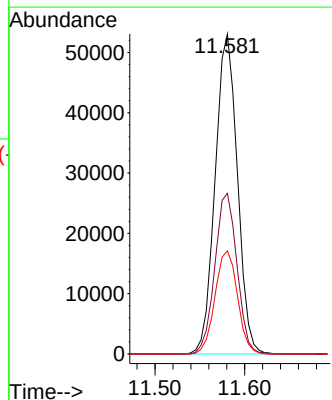
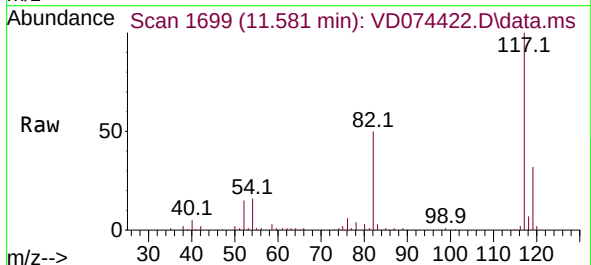
Instrument :  
MSVOA\_D  
ClientSampleId :

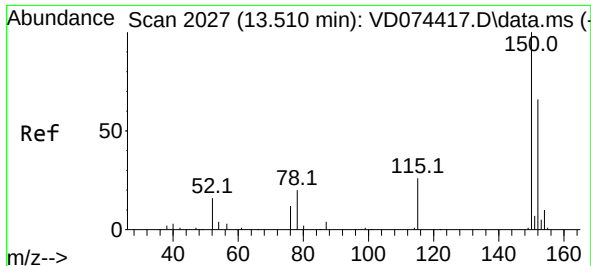
Tgt Ion: 95 Resp: 37048  
Ion Ratio Lower Upper  
95 100  
174 96.1 0.0 197.0  
176 92.9 0.0 182.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: VD074422.D  
Acq: 26 Sep 2022 16:42

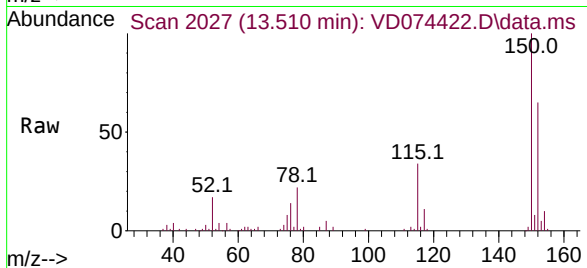
Tgt Ion: 117 Resp: 91265  
Ion Ratio Lower Upper  
117 100  
82 50.2 41.6 62.4  
119 32.2 25.2 37.8



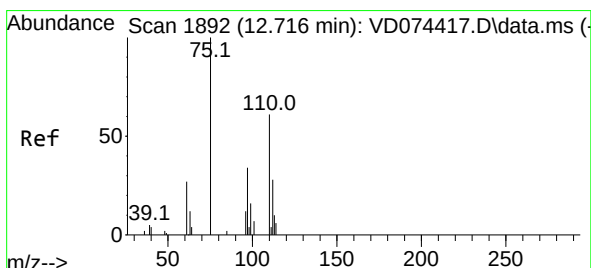
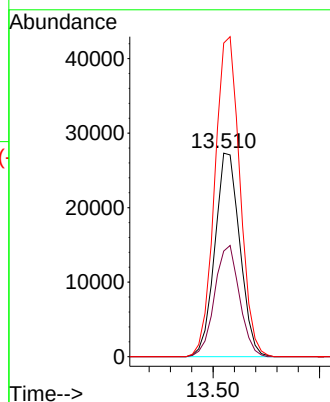
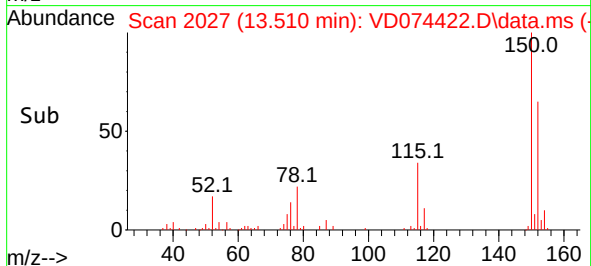


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.510 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VD074422.D  
 Acq: 26 Sep 2022 16:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :

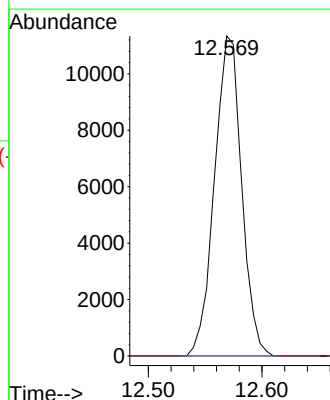
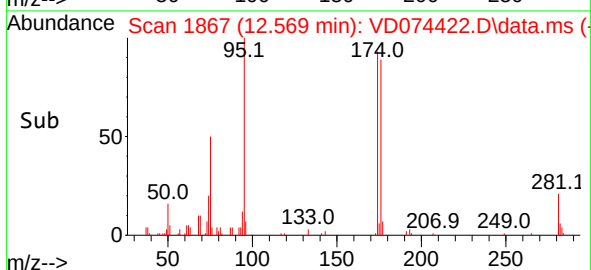
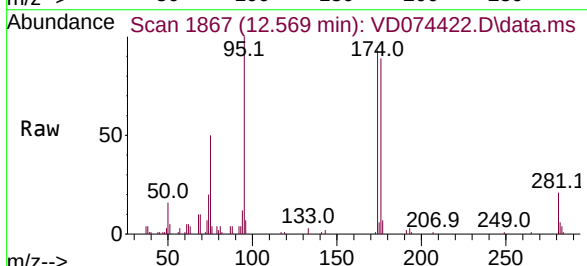


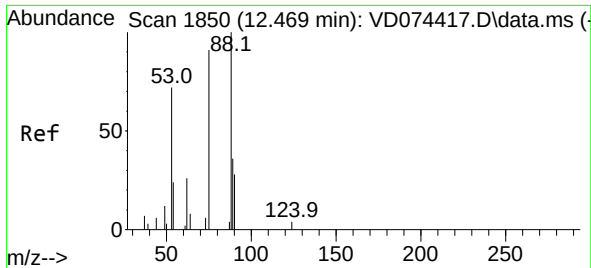
Tgt Ion:152 Resp: 44427  
 Ion Ratio Lower Upper  
 152 100  
 115 54.4 26.8 80.4  
 150 157.9 0.0 348.2



#76  
 1,2,3-Trichloropropane  
 Concen: 54.158 ug/l  
 RT: 12.569 min Scan# 1867  
 Delta R.T. -0.147 min  
 Lab File: VD074422.D  
 Acq: 26 Sep 2022 16:42

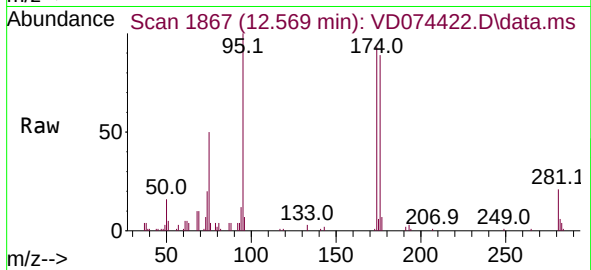
Tgt Ion: 75 Resp: 18819  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 185.8 557.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 132.158 ug/l  
 RT: 12.569 min Scan# 11  
 Delta R.T. 0.100 min  
 Lab File: VD074422.D  
 Acq: 26 Sep 2022 16:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 18819 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 0.0   | 63.8  | 95.6# |
| 89       | 0.0   | 38.2  | 57.4# |

