

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111022\  
 Data File : VD074865.D  
 Acq On : 10 Nov 2022 14:02  
 Operator : VA/SY  
 Sample : N5511-01  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PL-03-110722

Quant Time: Nov 10 16:40:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 2022  
 Response via : Initial Calibration

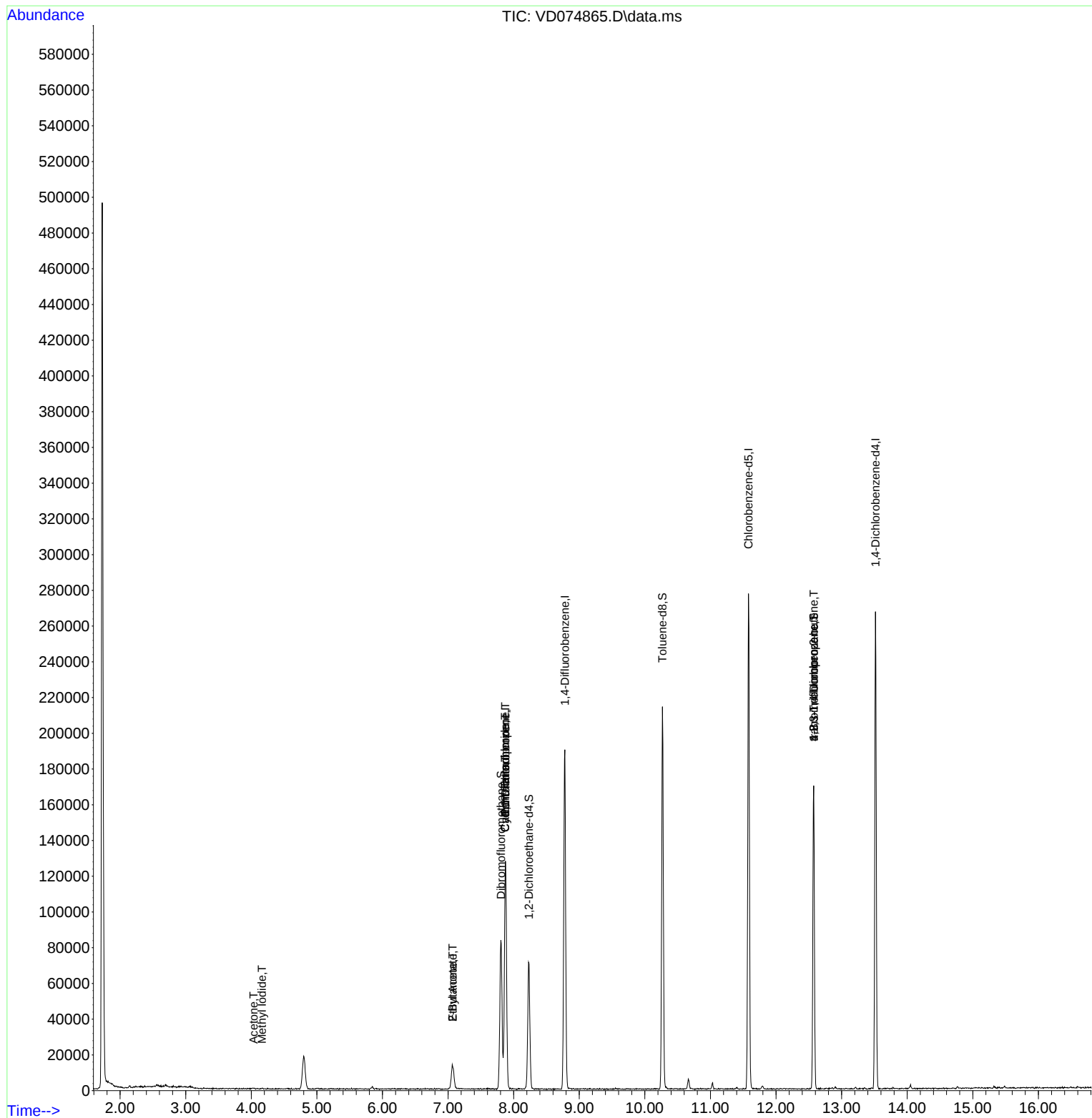
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 108608   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781  | 114   | 179965   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 170864   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 75544    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.234  | 65    | 55615    | 64.654    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 129.300% |          |
| 35) Dibromofluoromethane      | 7.810  | 113   | 61762    | 58.016    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 116.040% |          |
| 50) Toluene-d8                | 10.269 | 98    | 154257   | 39.724    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 79.440%  |          |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 54070    | 48.225    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 96.440%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.164  | 142   | 569      | 5.895     | ug/l #     | 43       |
| 11) Tert butyl alcohol        | 5.046  | 59    | 60       | Below Cal | #          | 84       |
| 16) Acetone                   | 4.034  | 43    | 944      | 5.259     | ug/l #     | 37       |
| 20) Methylene Chloride        | 4.799  | 84    | 16198    | Below Cal |            | 92       |
| 25) 2-Butanone                | 7.069  | 43    | 612      | 2.480     | ug/l #     | 42       |
| 31) Cyclohexane               | 7.869  | 56    | 1933     | 1.110     | ug/l #     | 18       |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 7678     | 4.752     | ug/l #     | 45       |
| 37) Ethyl Acetate             | 7.069  | 43    | 612      | 1.135     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.869  | 117   | 9772     | 6.383     | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 26392    | 45.067    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 26392    | 106.977   | ug/l #     | 17       |
| -----                         |        |       |          |           |            |          |

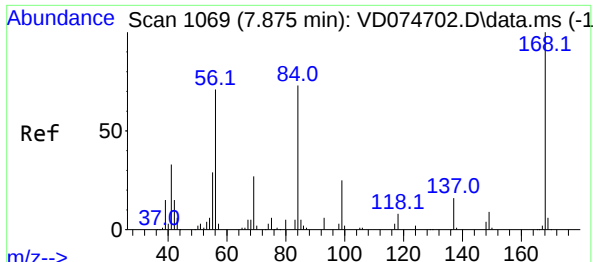
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111022\  
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Sample : N5511-01  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-03-110722

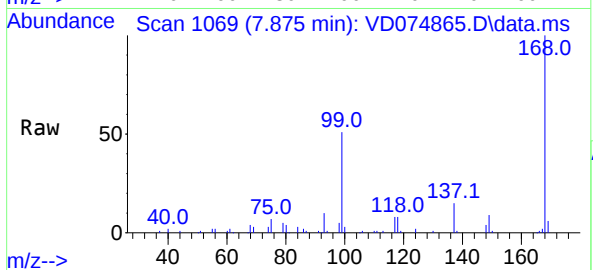
Quant Time: Nov 10 16:40:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 03 02:30:45 2022  
Response via : Initial Calibration



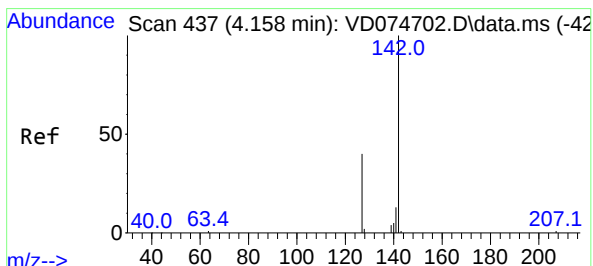
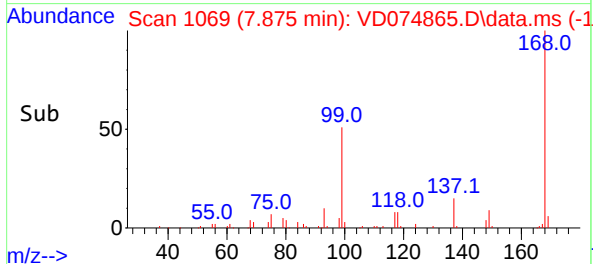
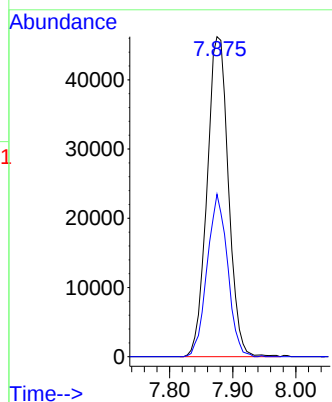


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-03-110722

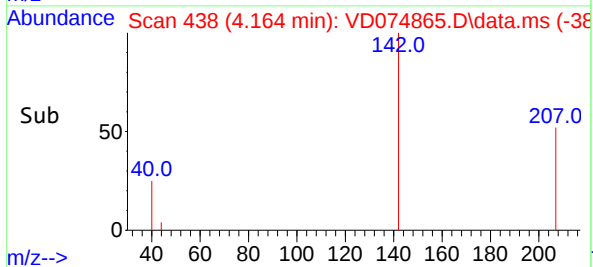
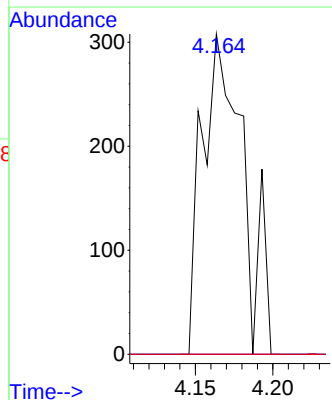
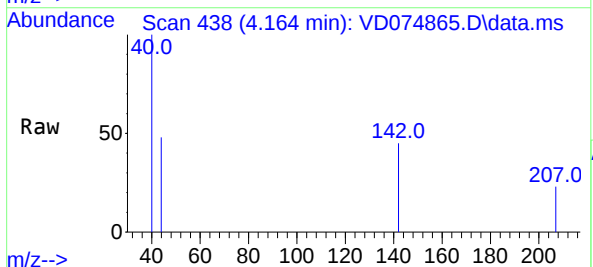


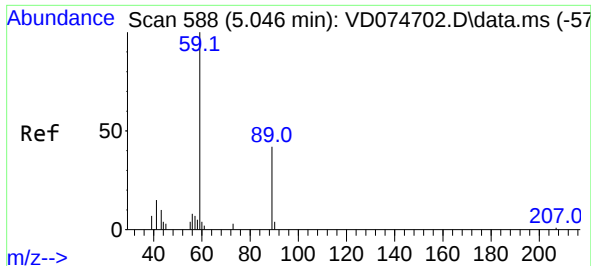
Tgt Ion:168 Resp: 108608  
Ion Ratio Lower Upper  
168 100  
99 50.7 40.9 61.3



#10  
Methyl Iodide  
Concen: 5.895 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. 0.005 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

Tgt Ion:142 Resp: 569  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.9 47.9#  
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.046 min Scan# 51

Delta R.T. -0.000 min

Lab File: VD074865.D

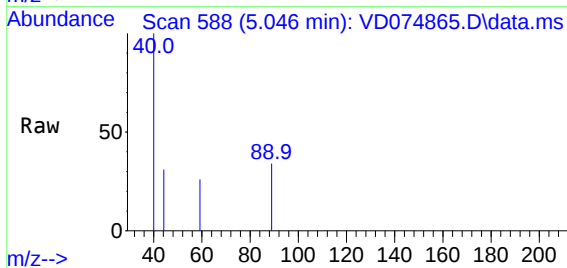
Acq: 10 Nov 2022 14:02

Instrument :

MSVOA\_D

ClientSampleId :

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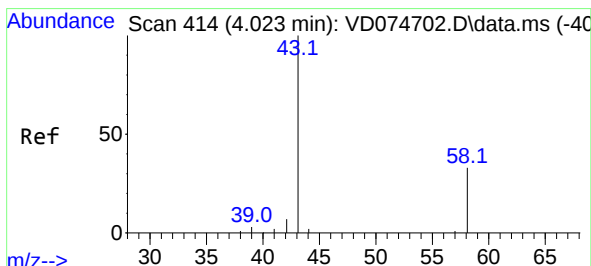
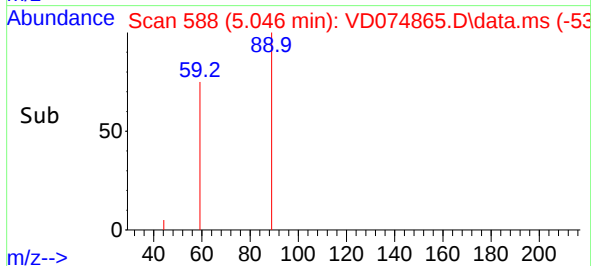
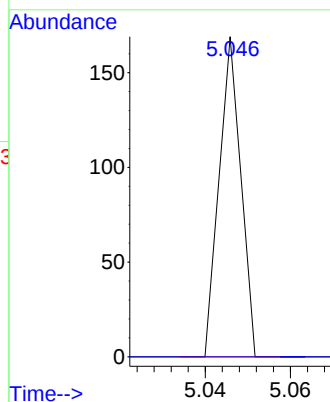


Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 5.259 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.011 min

Lab File: VD074865.D

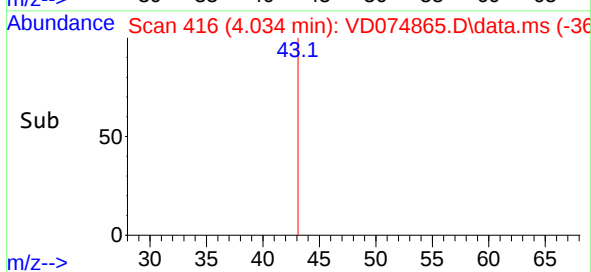
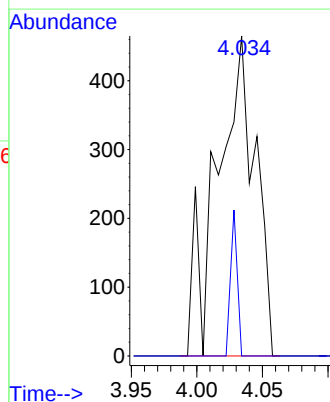
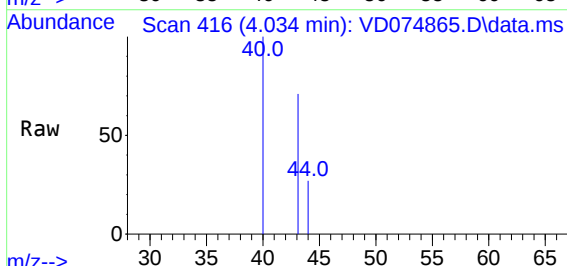
Acq: 10 Nov 2022 14:02

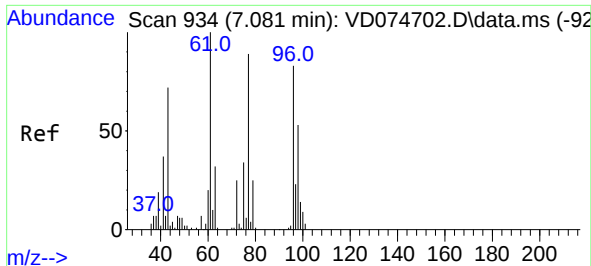
Tgt Ion: 43 Resp: 944

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#

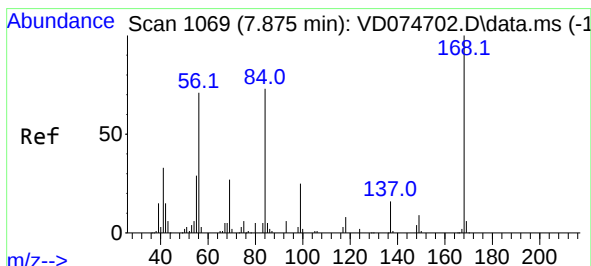
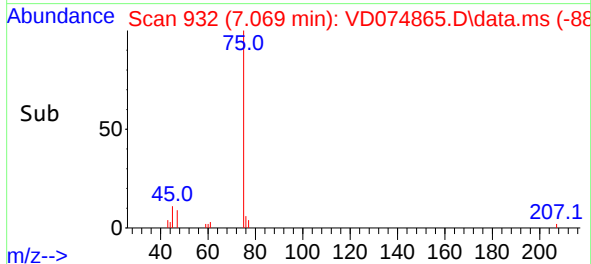
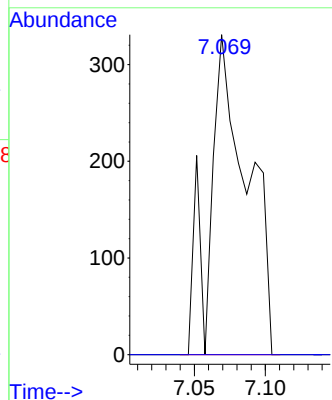
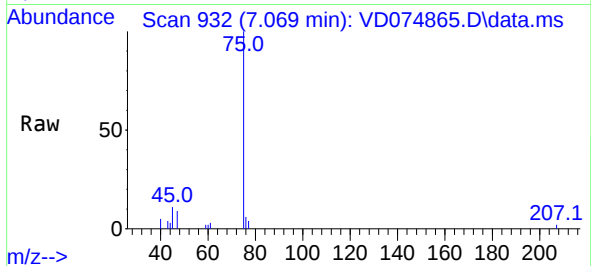




#25  
2-Butanone  
Concen: 2.480 ug/l  
RT: 7.069 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

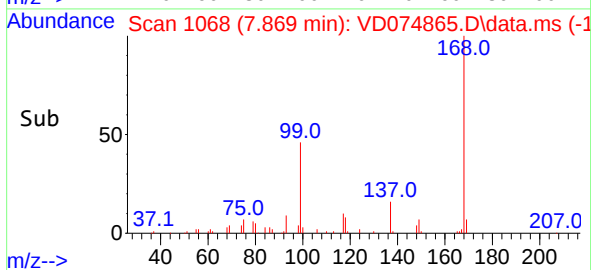
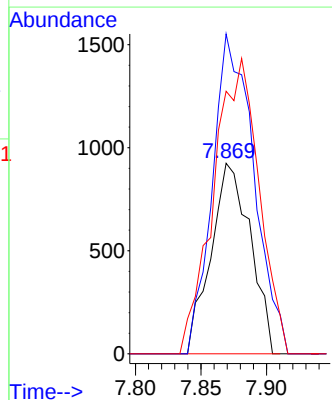
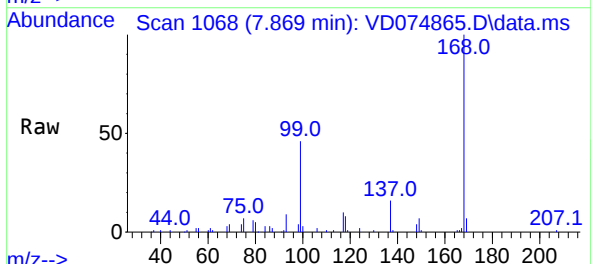
Instrument :  
MSVOA\_D  
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PL-03-110722

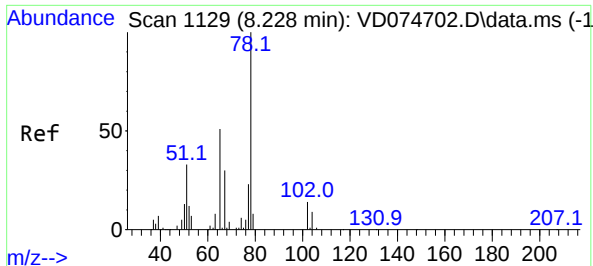
Tgt Ion: 43 Resp: 612  
Ion Ratio Lower Upper  
43 100  
72 0.0 25.8 38.8#



#31  
Cyclohexane  
Concen: 1.110 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

Tgt Ion: 56 Resp: 1933  
Ion Ratio Lower Upper  
56 100  
69 167.8 29.2 43.8#  
84 137.7 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 64.654 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074865.D

Acq: 10 Nov 2022 14:02

Instrument :

MSVOA\_D

ClientSampleId :

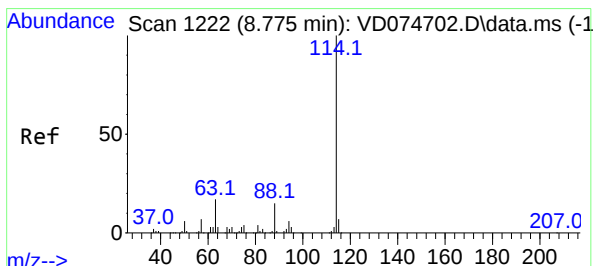
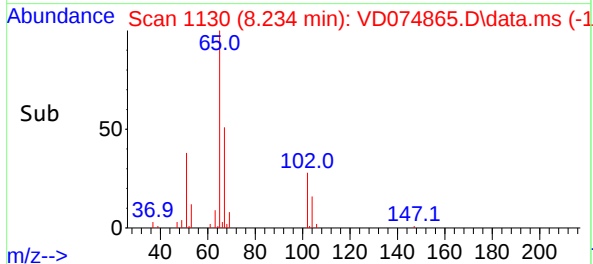
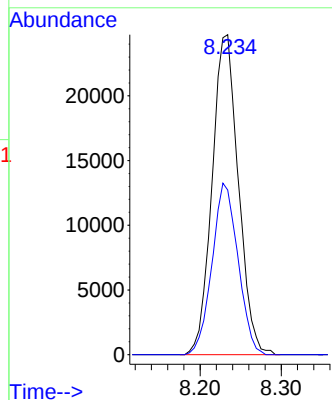
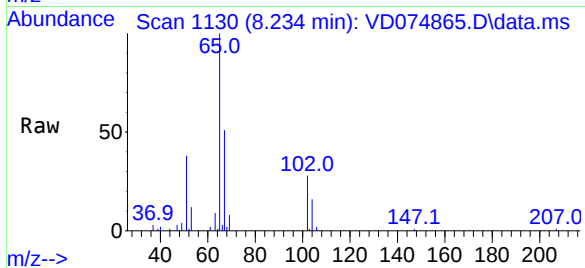
PL-03-110722

Tgt Ion: 65 Resp: 55615

Ion Ratio Lower Upper

65 100

67 52.9 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074865.D

Acq: 10 Nov 2022 14:02

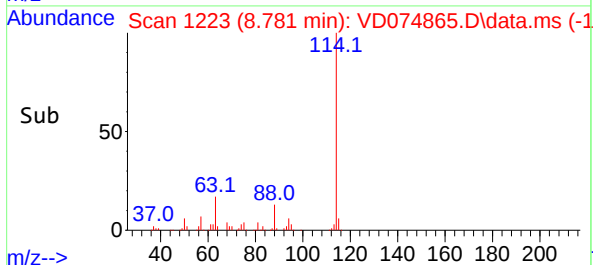
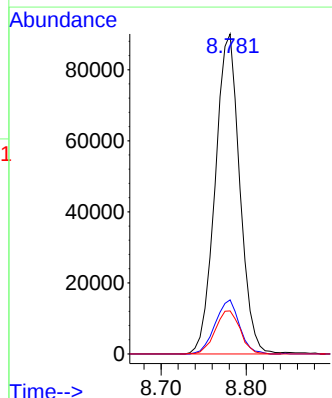
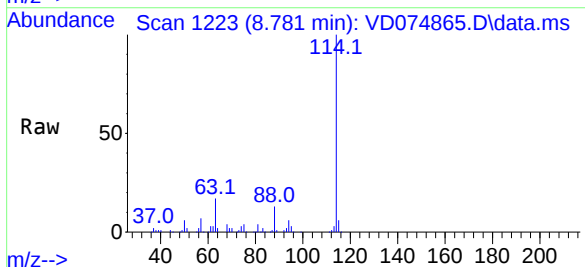
Tgt Ion: 114 Resp: 179965

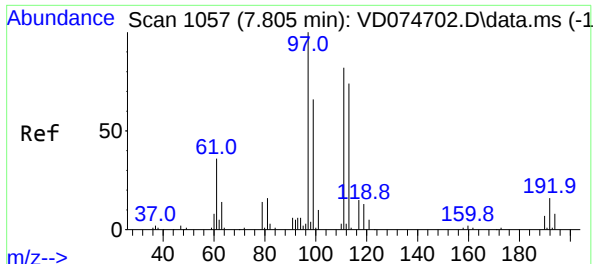
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.2

88 13.5 0.0 28.2

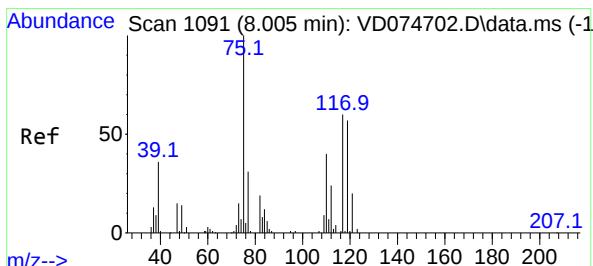
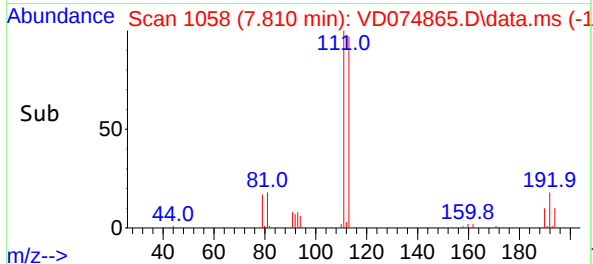
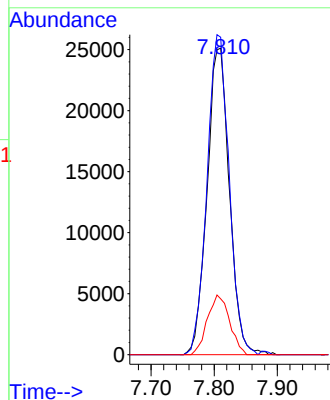
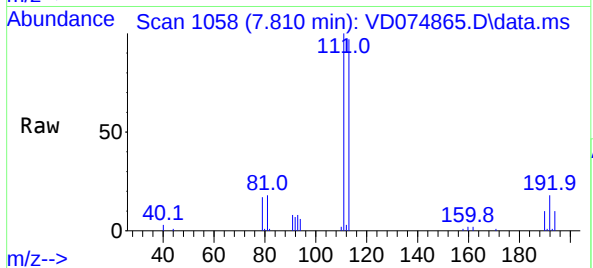




#35  
Dibromofluoromethane  
Concen: 58.016 ug/l  
RT: 7.810 min Scan# 1057  
Delta R.T. 0.005 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

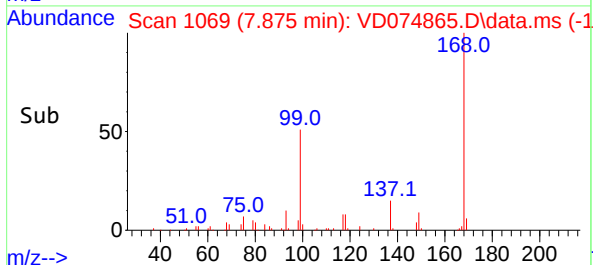
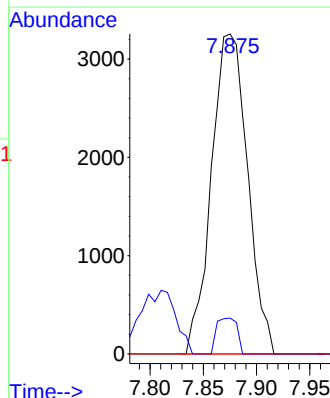
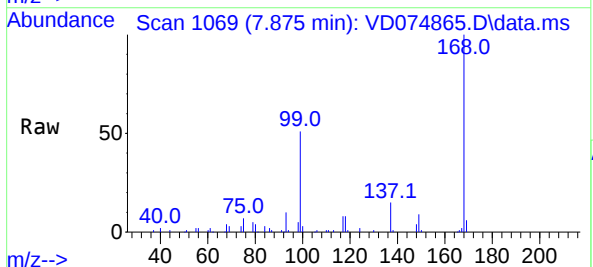
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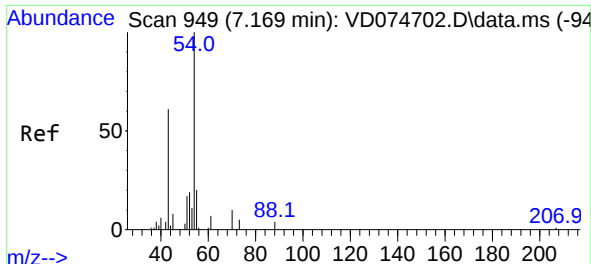
Tgt Ion:113 Resp: 61762  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.3 123.5  
192 19.4 16.4 24.6



#36  
1,1-Dichloropropene  
Concen: 4.752 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.130 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

Tgt Ion: 75 Resp: 7678  
Ion Ratio Lower Upper  
75 100  
110 6.3 19.7 59.0#  
77 0.0 25.4 38.2#

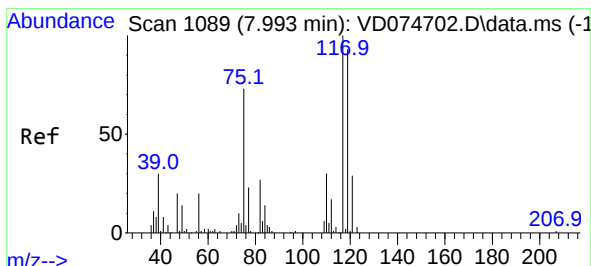
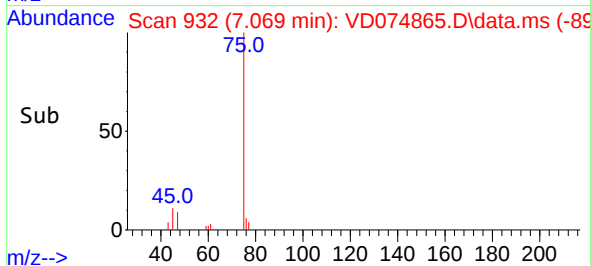
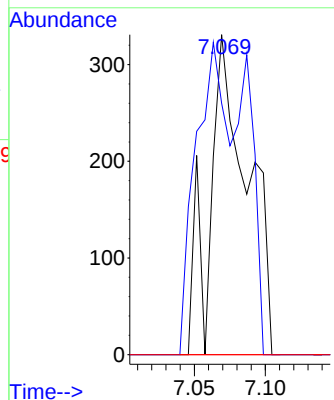
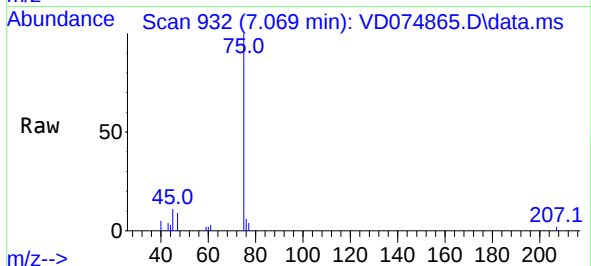




#37  
Ethyl Acetate  
Concen: 1.135 ug/l  
RT: 7.069 min Scan# 91  
Delta R.T. -0.100 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

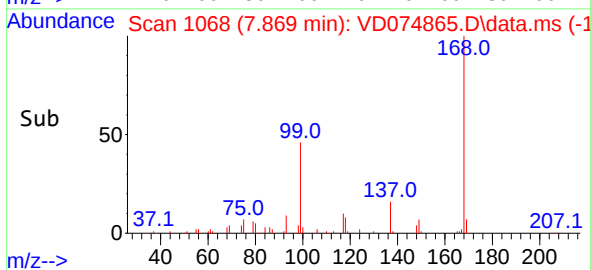
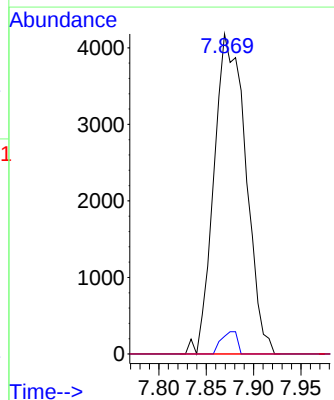
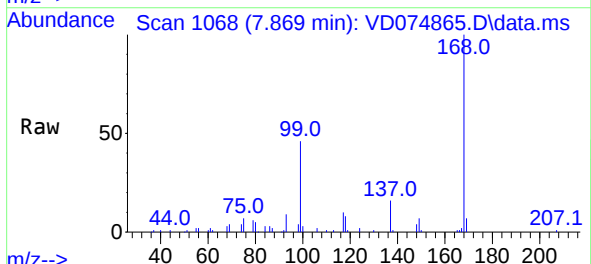
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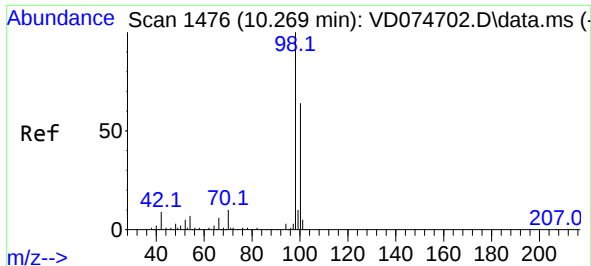
Tgt Ion: 43 Resp: 612  
Ion Ratio Lower Upper  
43 100  
61 82.2 12.2 18.4#  
70 0.0 9.6 14.4#



#38  
Carbon Tetrachloride  
Concen: 6.383 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.124 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

Tgt Ion: 117 Resp: 9772  
Ion Ratio Lower Upper  
117 100  
119 5.5 73.1 109.7#  
121 0.0 25.0 37.6#

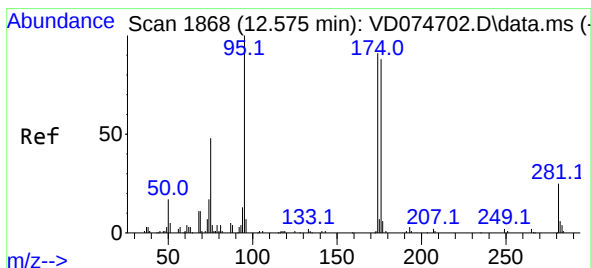
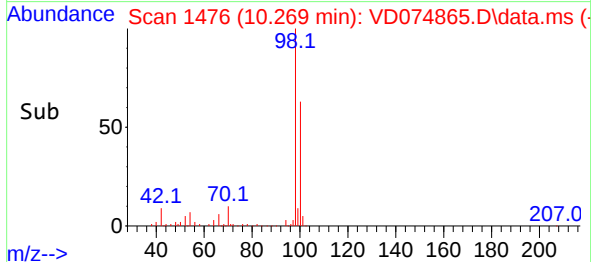
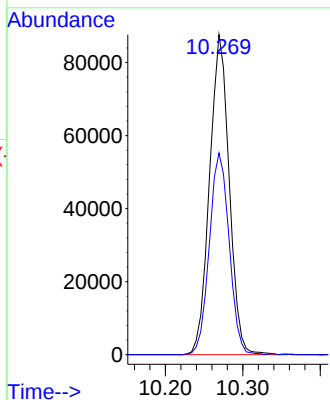
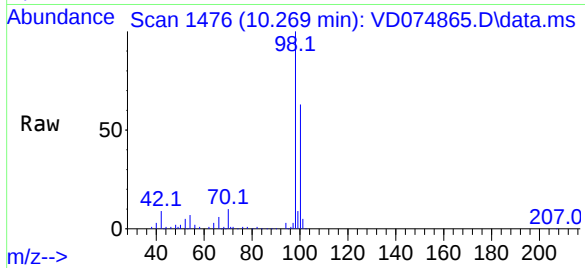




#50  
Toluene-d8  
Concen: 39.724 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

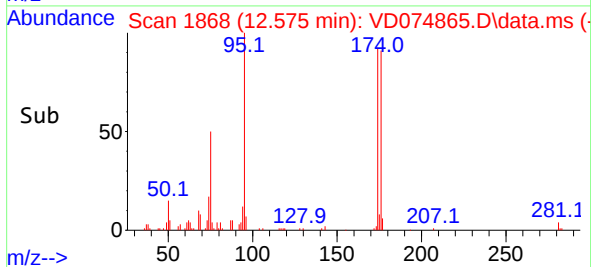
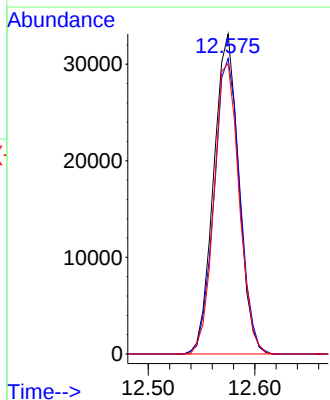
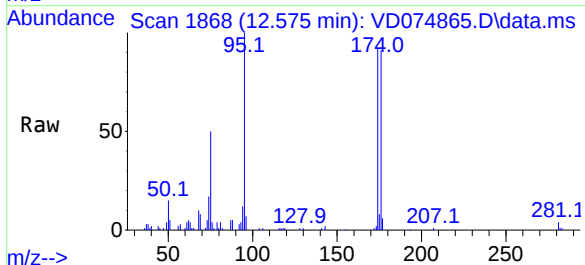
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-03-110722

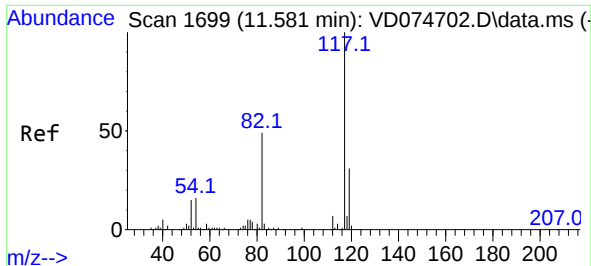
Tgt Ion: 98 Resp: 154257  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 48.225 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

Tgt Ion: 95 Resp: 54070  
Ion Ratio Lower Upper  
95 100  
174 94.9 0.0 197.0  
176 91.3 0.0 182.6

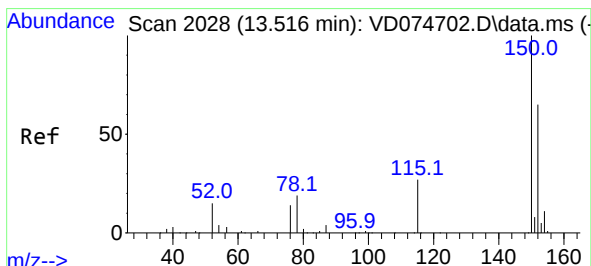
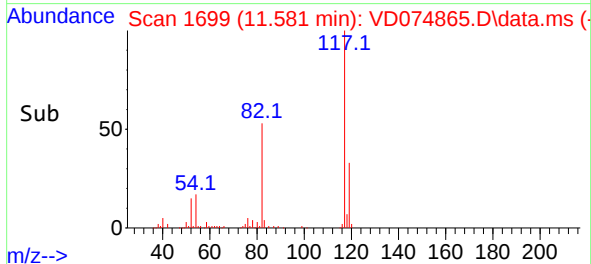
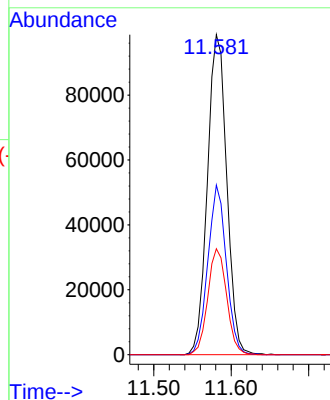
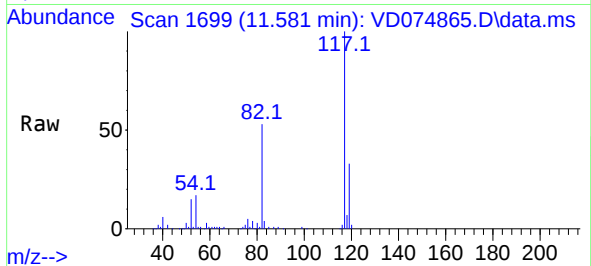




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

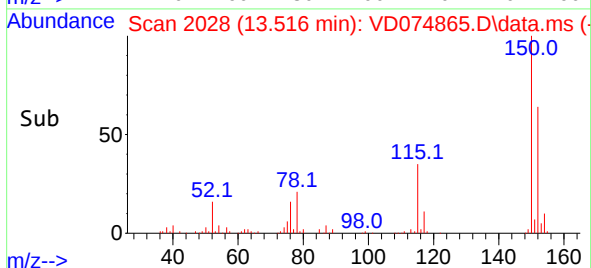
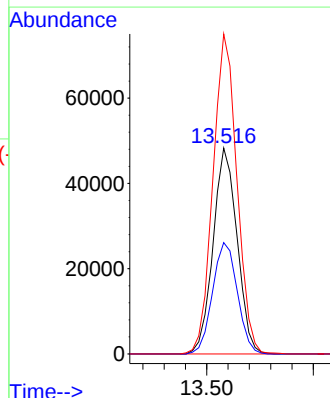
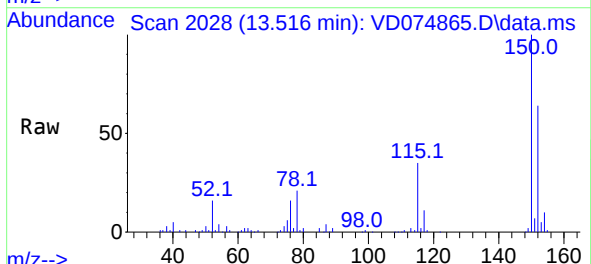
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-03-110722

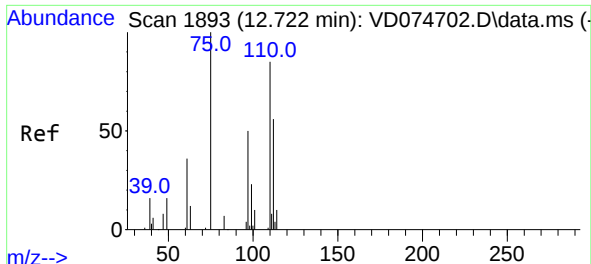
Tgt Ion:117 Resp: 170864  
Ion Ratio Lower Upper  
117 100  
82 53.0 41.6 62.4  
119 33.1 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

Tgt Ion:152 Resp: 75544  
Ion Ratio Lower Upper  
152 100  
115 55.8 26.8 80.4  
150 155.1 0.0 348.2

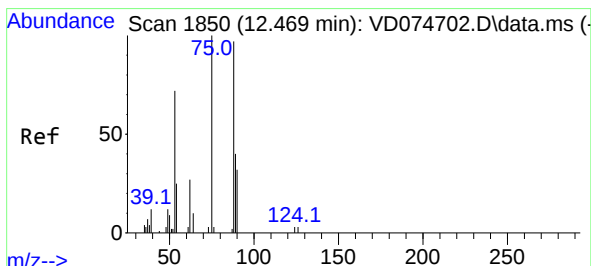
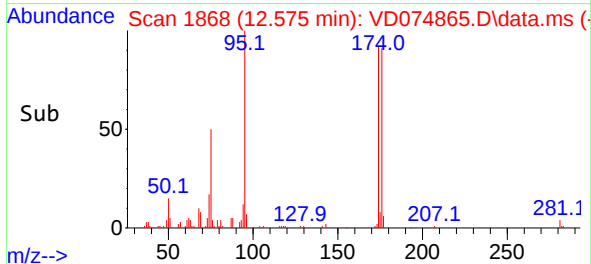
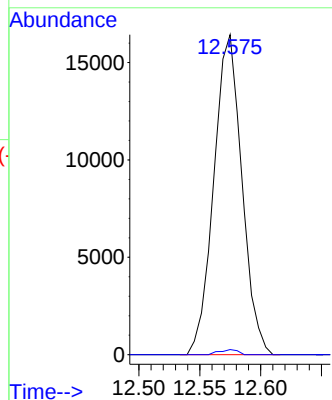
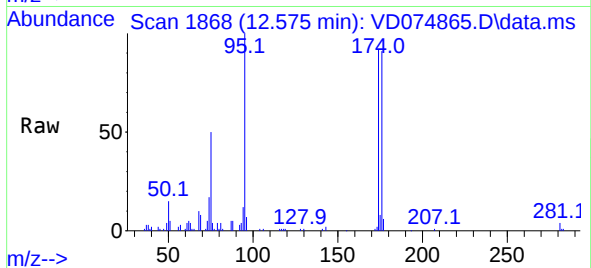




#76  
1,2,3-Trichloropropane  
Concen: 45.067 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-03-110722

Tgt Ion: 75 Resp: 26392  
Ion Ratio Lower Upper  
75 100  
77 1.1 185.8 557.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 106.977 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD074865.D  
Acq: 10 Nov 2022 14:02

Tgt Ion: 75 Resp: 26392  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

