

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022224\  
 Data File : VN081146.D  
 Acq On : 22 Feb 2024 19:35  
 Operator : JC\MD  
 Sample : P1549-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 336

Quant Time: Feb 23 04:31:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

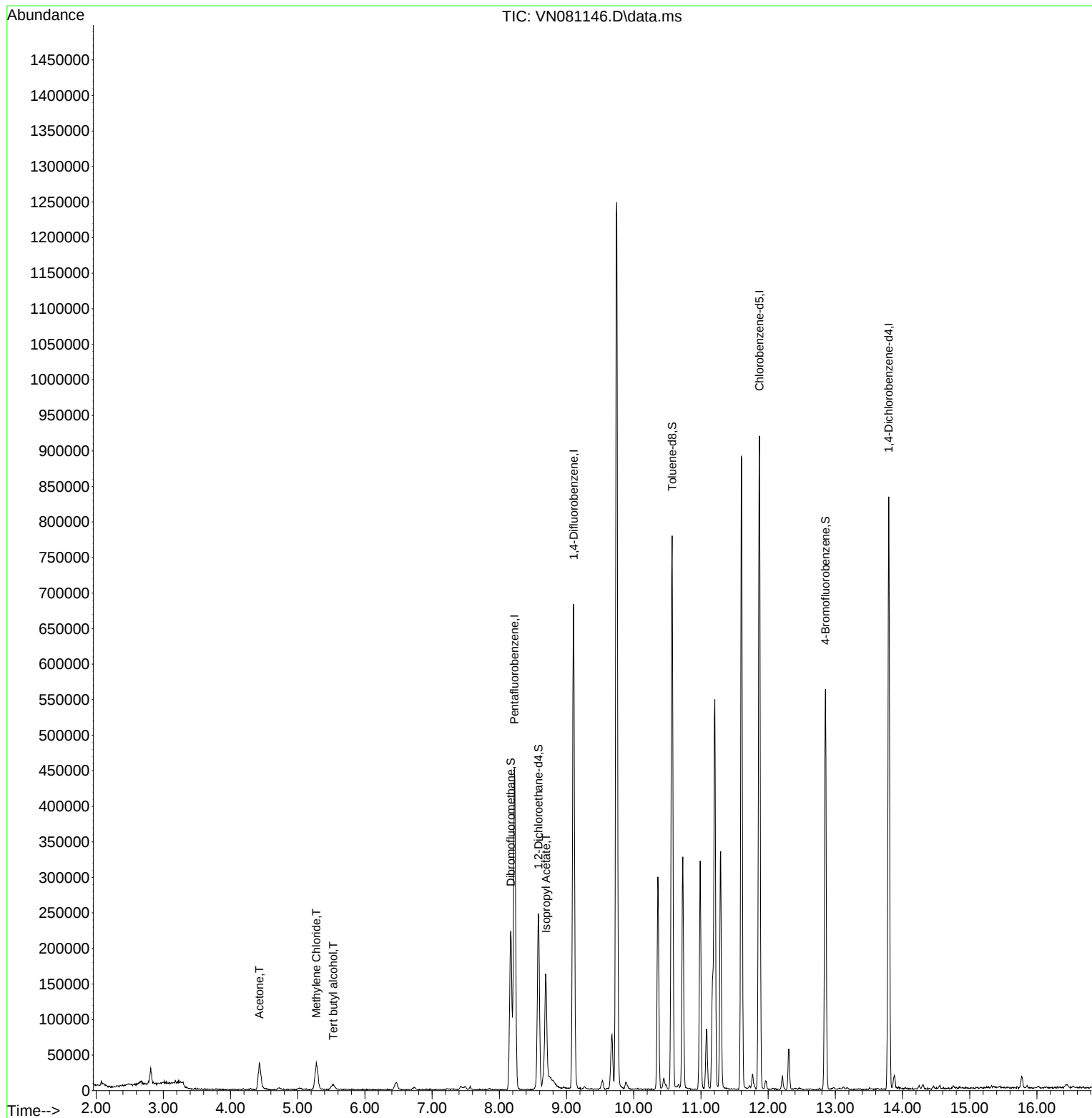
| Compound                    | R.T. QIon |                | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|-----------|----------------|----------|--------|----------|----------|
| -----                       |           |                |          |        |          |          |
| Internal Standards          |           |                |          |        |          |          |
| 1) Pentafluorobenzene       | 8.224     | 168            | 312891   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114            | 594381   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117            | 534759   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152            | 211557   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |           |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.583     | 65             | 195228   | 50.905 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | =      | 101.800% |          |
| 35) Dibromofluoromethane    | 8.171     | 113            | 160416   | 47.728 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | =      | 95.460%  |          |
| 50) Toluene-d8              | 10.571    | 98             | 535236   | 44.836 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | =      | 89.680%  |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95             | 201058   | 44.823 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 83 - 123 | Recovery | =      | 89.640%  |          |
| Target Compounds            |           |                |          |        |          |          |
|                             |           |                |          |        | Qvalue   |          |
| 11) Tert butyl alcohol      | 5.530     | 59             | 12197    | 17.293 | ug/l #   | 94       |
| 16) Acetone                 | 4.430     | 43             | 67962    | 45.036 | ug/l     | 95       |
| 20) Methylene Chloride      | 5.277     | 84             | 28226    | 6.420  | ug/l #   | 84       |
| 43) Isopropyl Acetate       | 8.694     | 43             | 212887   | 23.423 | ug/l #   | 87       |
| -----                       |           |                |          |        |          |          |

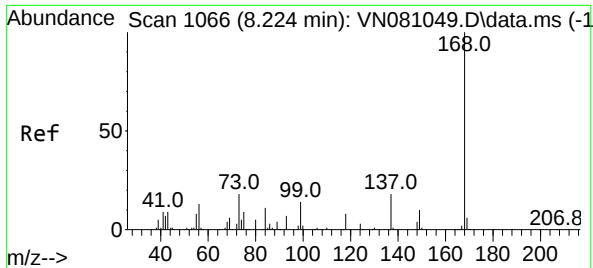
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 23 04:31:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 16 23:45:20 2024  
Response via : Initial Calibration

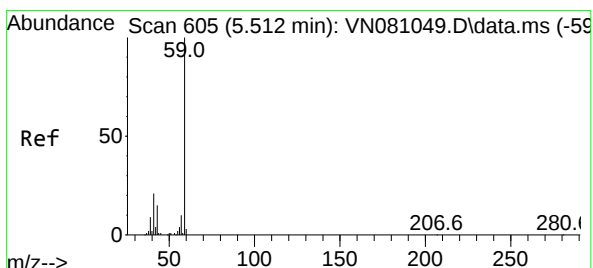
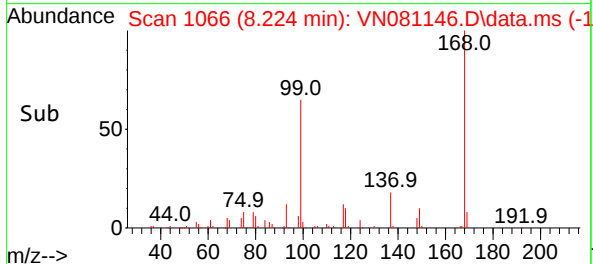
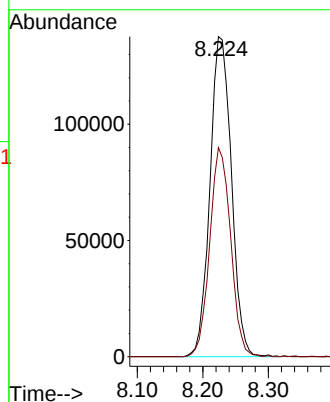
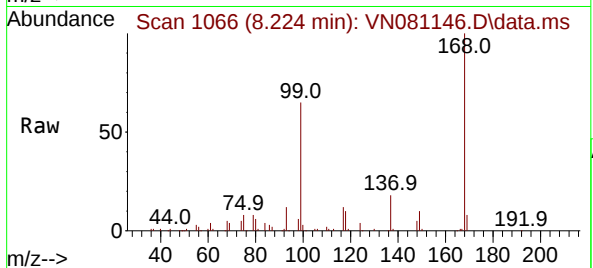




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081146.D  
Acq: 22 Feb 2024 19:35

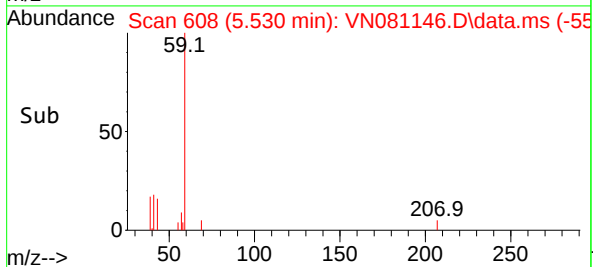
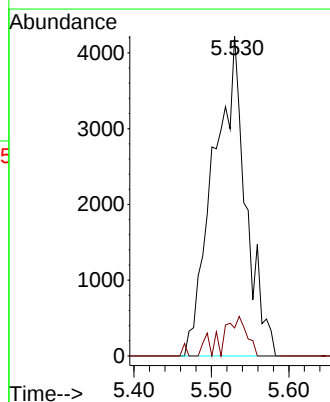
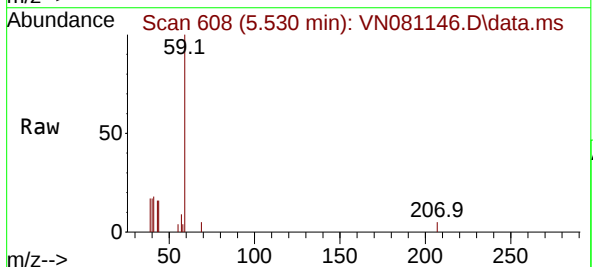
Instrument :  
MSVOA\_N  
ClientSampleId :  
336

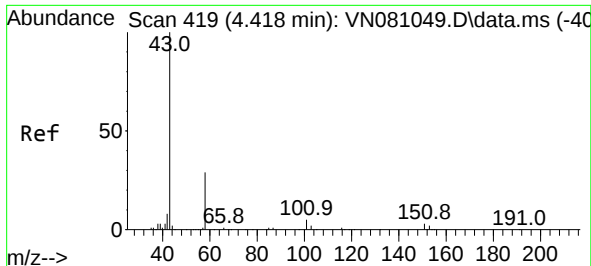
Tgt Ion:168 Resp: 312891  
Ion Ratio Lower Upper  
168 100  
99 65.4 59.9 89.9



#11  
Tert butyl alcohol  
Concen: 17.293 ug/l  
RT: 5.530 min Scan# 608  
Delta R.T. 0.018 min  
Lab File: VN081146.D  
Acq: 22 Feb 2024 19:35

Tgt Ion: 59 Resp: 12197  
Ion Ratio Lower Upper  
59 100  
57 8.3 8.6 12.8#





#16

Acetone

Concen: 45.036 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN081146.D

Acq: 22 Feb 2024 19:35

Instrument :

MSVOA\_N

ClientSampleId :

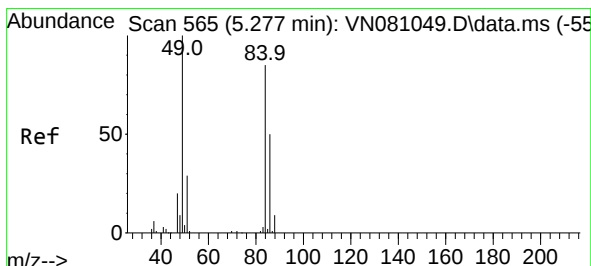
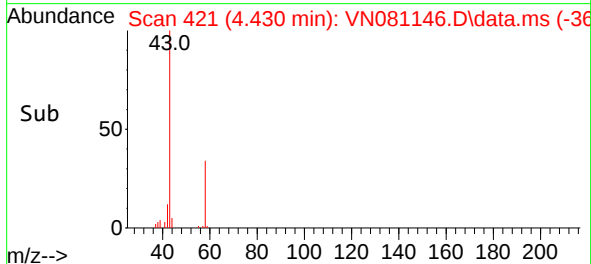
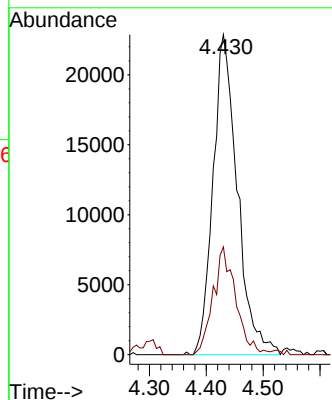
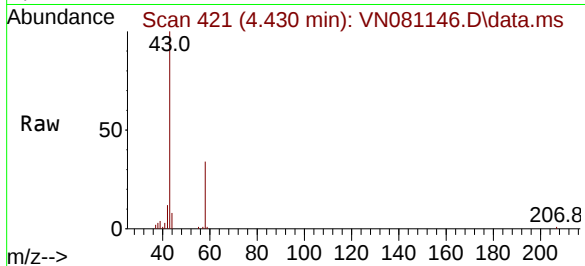
336

Tgt Ion: 43 Resp: 67962

Ion Ratio Lower Upper

43 100

58 33.7 24.8 37.2



#20

Methylene Chloride

Concen: 6.420 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN081146.D

Acq: 22 Feb 2024 19:35

Tgt Ion: 84 Resp: 28226

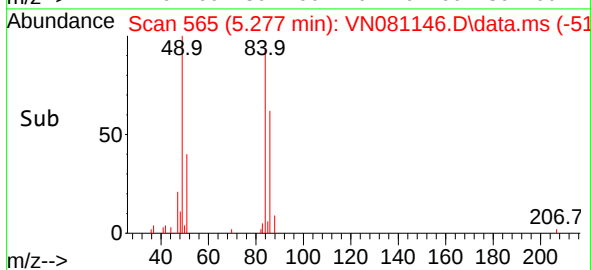
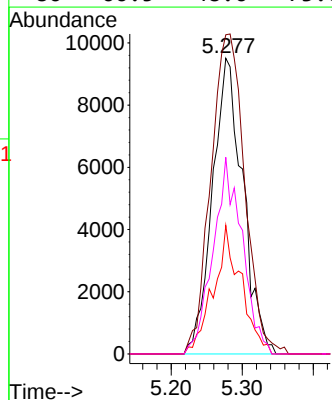
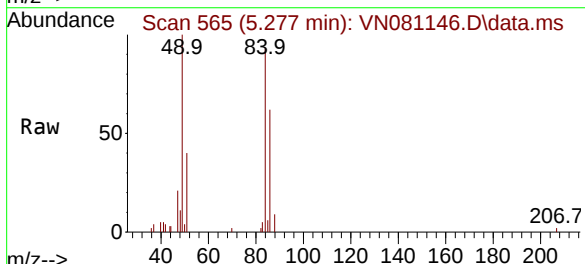
Ion Ratio Lower Upper

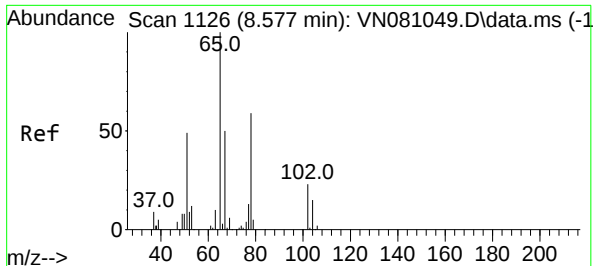
84 100

49 108.0 108.1 162.1#

51 43.5 32.9 49.3

86 66.5 48.6 73.0





#33

1,2-Dichloroethane-d4

Concen: 50.905 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081146.D

Acq: 22 Feb 2024 19:35

Instrument :

MSVOA\_N

ClientSampleId :

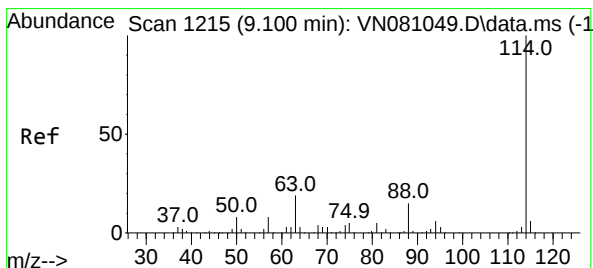
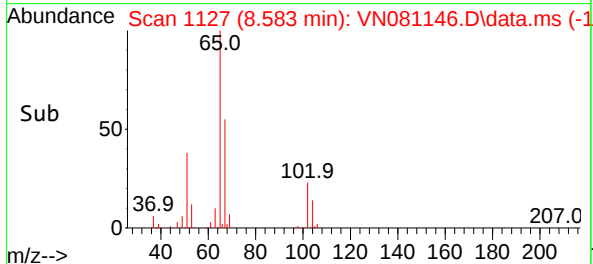
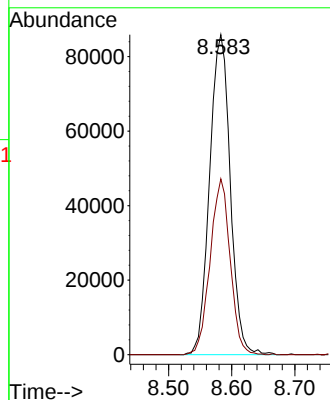
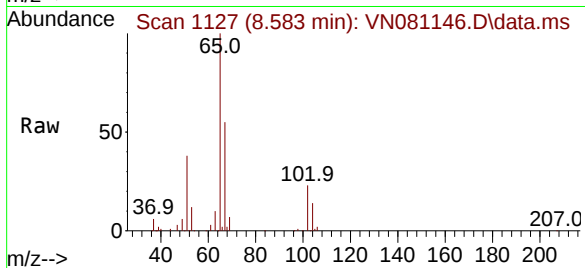
336

Tgt Ion: 65 Resp: 195228

Ion Ratio Lower Upper

65 100

67 53.3 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081146.D

Acq: 22 Feb 2024 19:35

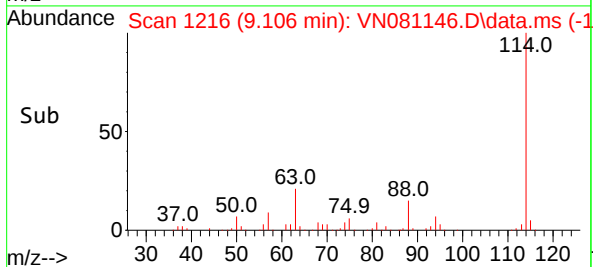
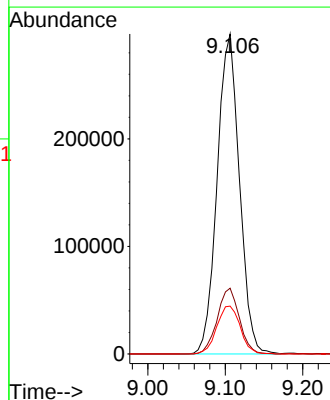
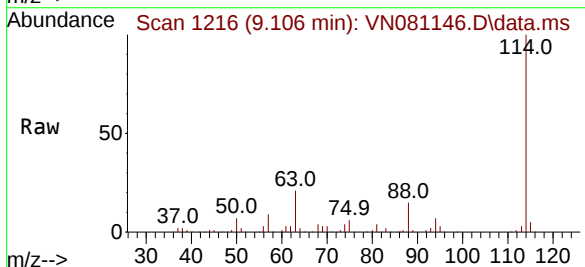
Tgt Ion: 114 Resp: 594381

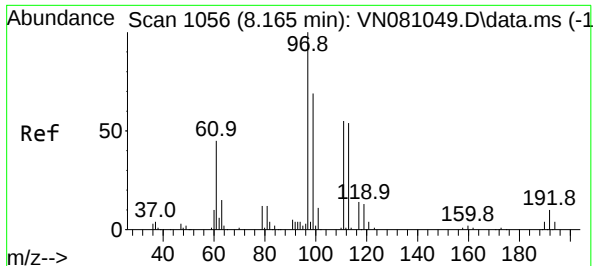
Ion Ratio Lower Upper

114 100

63 20.5 0.0 48.0

88 15.0 0.0 34.8

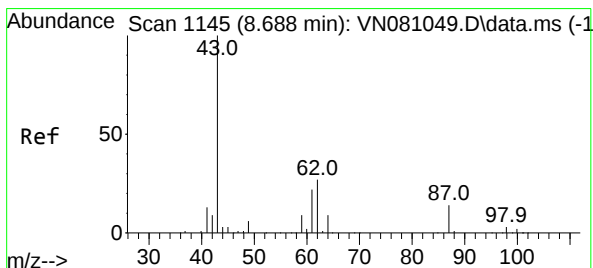
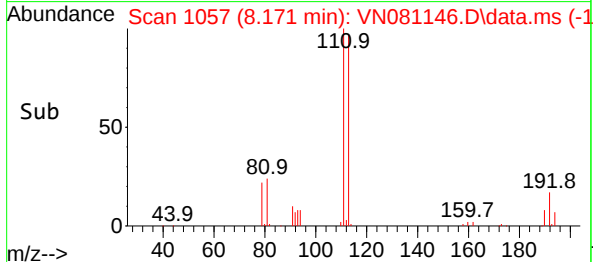
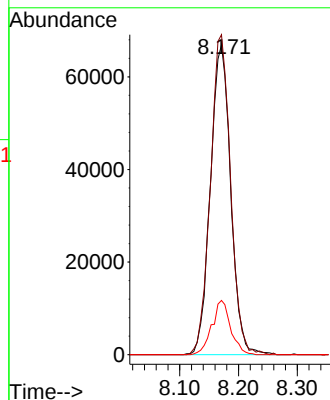
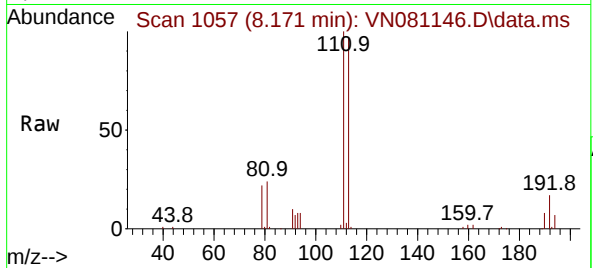




#35  
Dibromofluoromethane  
Concen: 47.728 ug/l  
RT: 8.171 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VN081146.D  
Acq: 22 Feb 2024 19:35

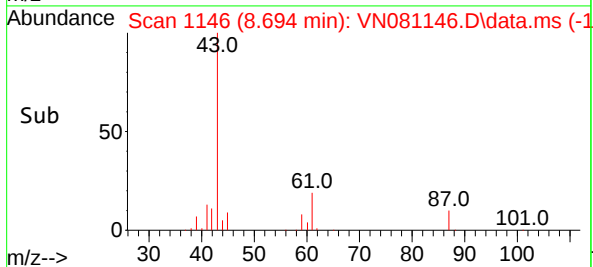
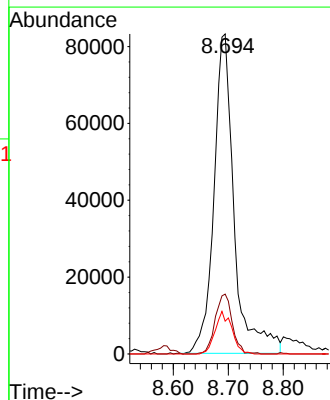
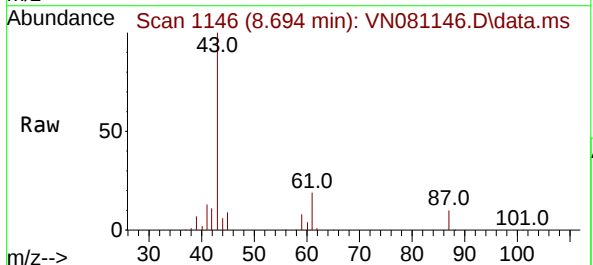
Instrument :  
MSVOA\_N  
ClientSampleId :  
336

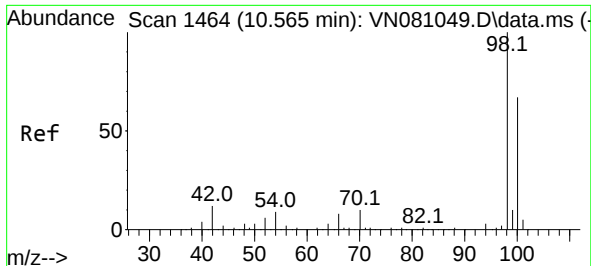
Tgt Ion:113 Resp: 160416  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.2 123.4  
192 16.2 12.5 18.7



#43  
Isopropyl Acetate  
Concen: 23.423 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN081146.D  
Acq: 22 Feb 2024 19:35

Tgt Ion: 43 Resp: 212887  
Ion Ratio Lower Upper  
43 100  
61 15.8 19.9 29.9#  
87 11.0 9.0 13.6

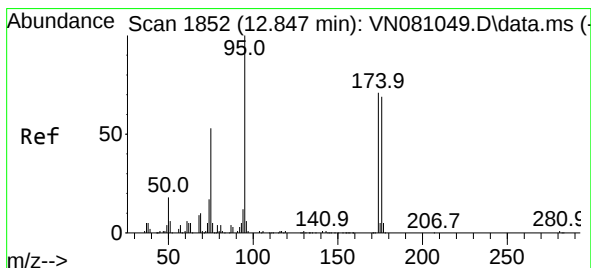
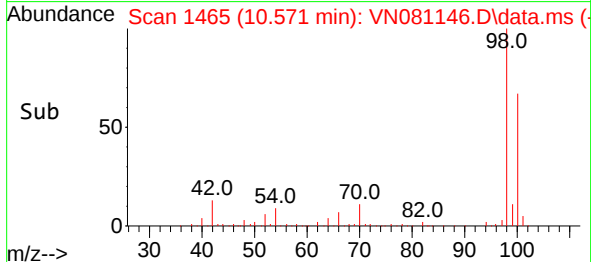
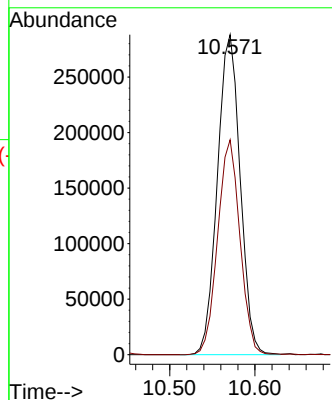
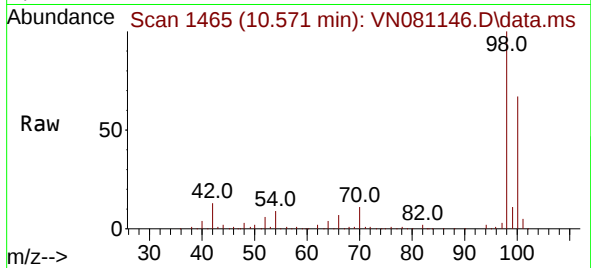




#50  
Toluene-d8  
Concen: 44.836 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN081146.D  
Acq: 22 Feb 2024 19:35

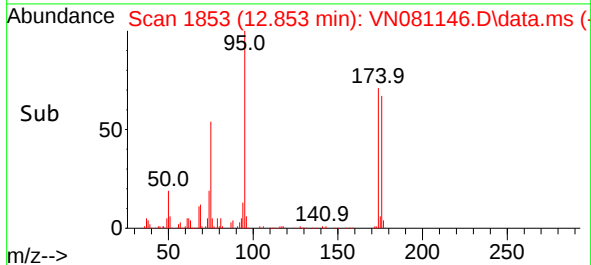
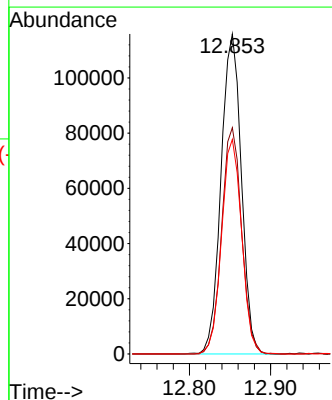
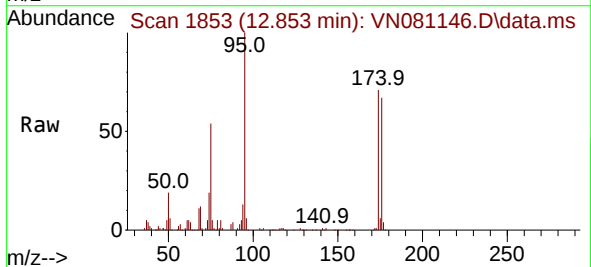
Instrument :  
MSVOA\_N  
ClientSampleId :  
336

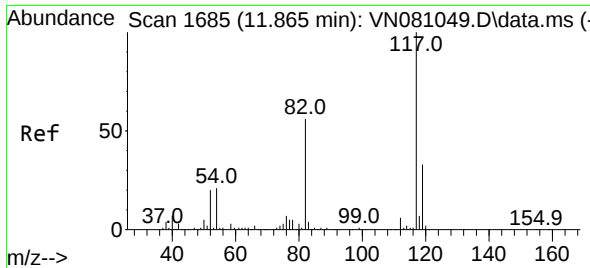
Tgt Ion: 98 Resp: 535236  
Ion Ratio Lower Upper  
98 100  
100 65.7 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 44.823 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN081146.D  
Acq: 22 Feb 2024 19:35

Tgt Ion: 95 Resp: 201058  
Ion Ratio Lower Upper  
95 100  
174 69.8 0.0 120.4  
176 66.5 0.0 121.0

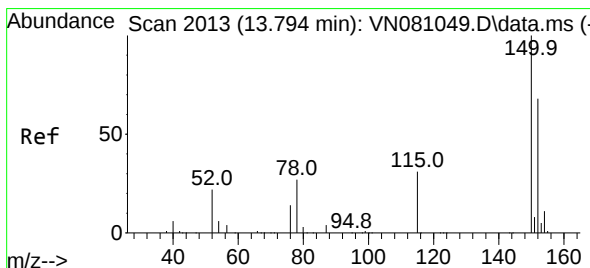
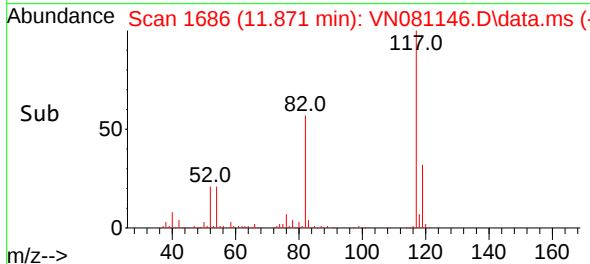
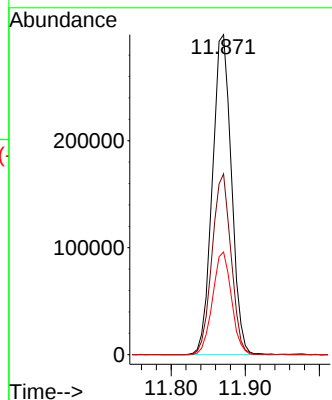
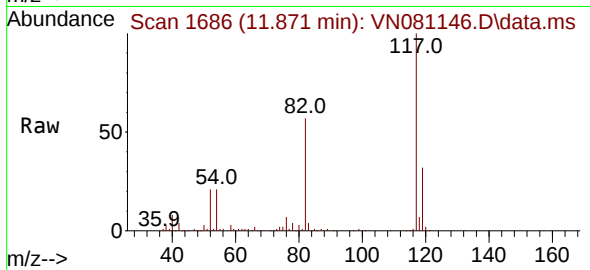




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN081146.D  
Acq: 22 Feb 2024 19:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
336

Tgt Ion:117 Resp: 534759  
Ion Ratio Lower Upper  
117 100  
82 56.5 52.7 79.1  
119 32.1 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN081146.D  
Acq: 22 Feb 2024 19:35

Tgt Ion:152 Resp: 211557  
Ion Ratio Lower Upper  
152 100  
115 64.7 32.3 96.8  
150 160.3 0.0 339.8

