

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022125\  
 Data File : VN085810.D  
 Acq On : 21 Feb 2025 18:15  
 Operator : JC\MD  
 Sample : PB166809ZHE#03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB166809ZHE#03

Quant Time: Feb 22 02:39:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:43:32 2025  
 Response via : Initial Calibration

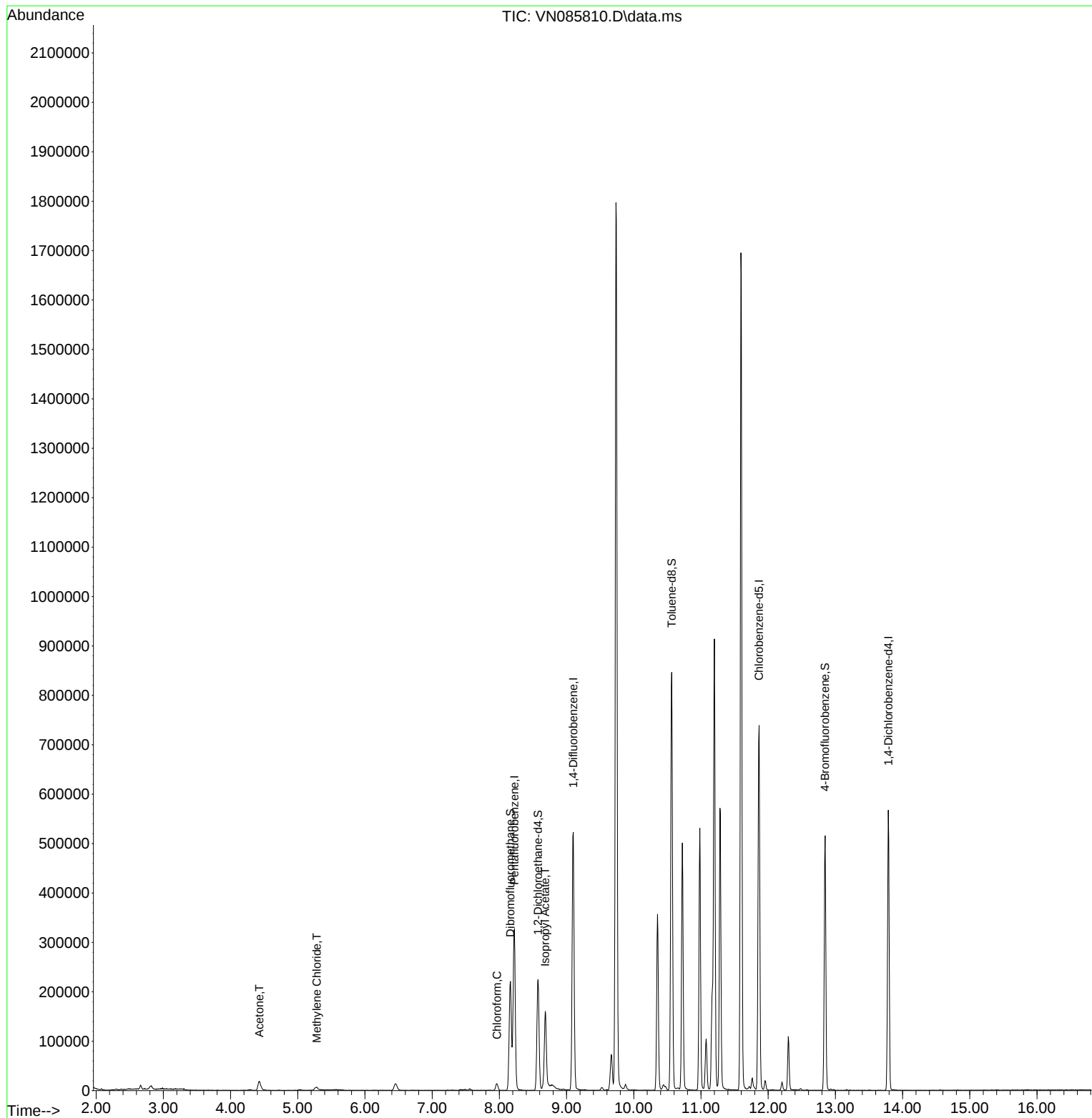
| Compound                    | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|--------|----------|
| -----                       |        |                |          |            |        |          |
| Internal Standards          |        |                |          |            |        |          |
| 1) Pentafluorobenzene       | 8.224  | 168            | 235182   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114            | 460217   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117            | 443894   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152            | 156324   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65             | 187526   | 61.503     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 123.000% |        |          |
| 35) Dibromofluoromethane    | 8.165  | 113            | 164094   | 54.490     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 108.980% |        |          |
| 50) Toluene-d8              | 10.565 | 98             | 611159   | 55.780     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 111.560% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 179673   | 49.772     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | = 99.540%  |        |          |
| Target Compounds            |        |                |          |            |        |          |
|                             |        |                |          |            | Qvalue |          |
| 16) Acetone                 | 4.430  | 43             | 34070    | 35.314     | ug/l   | 94       |
| 20) Methylene Chloride      | 5.283  | 84             | 5238     | 1.688      | ug/l # | 87       |
| 30) Chloroform              | 7.965  | 83             | 14324    | 2.635      | ug/l   | 92       |
| 43) Isopropyl Acetate       | 8.682  | 43             | 177809   | 28.654     | ug/l # | 88       |
| -----                       |        |                |          |            |        |          |

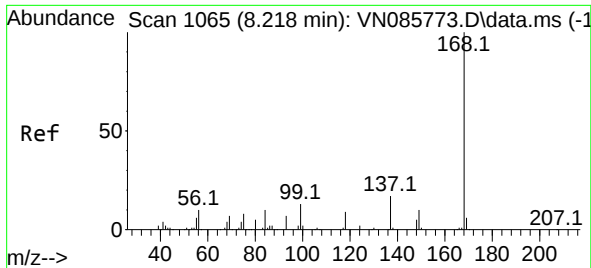
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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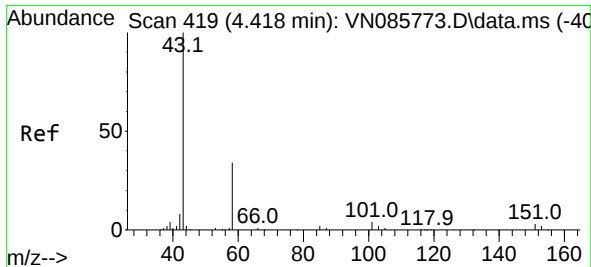
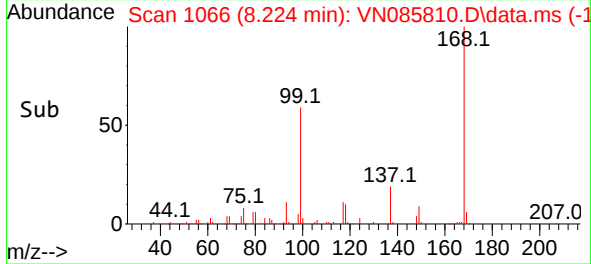
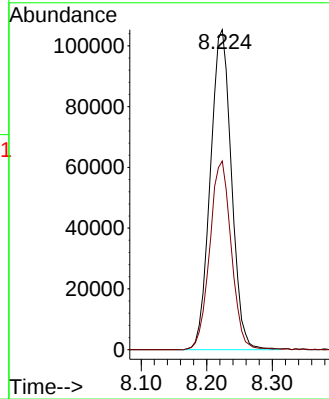
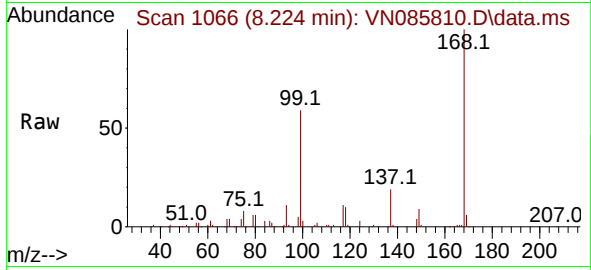




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085810.D  
Acq: 21 Feb 2025 18:15

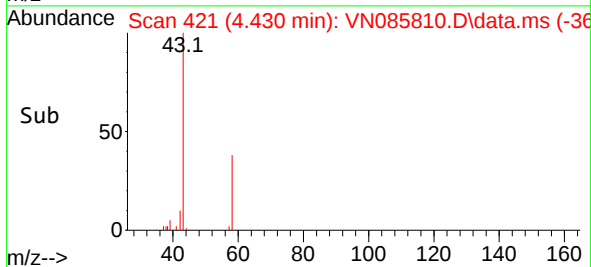
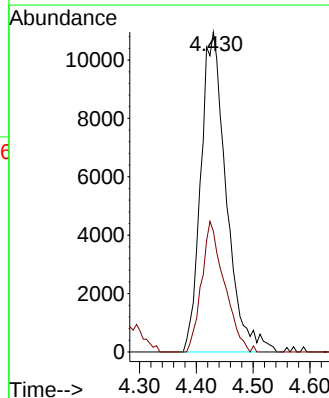
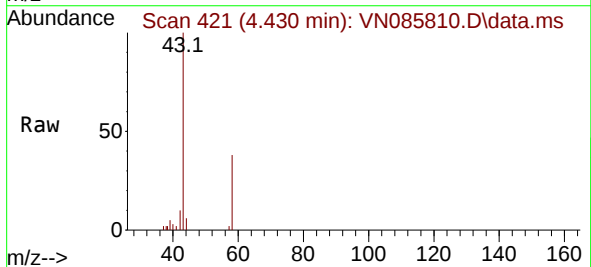
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166809ZHE#03

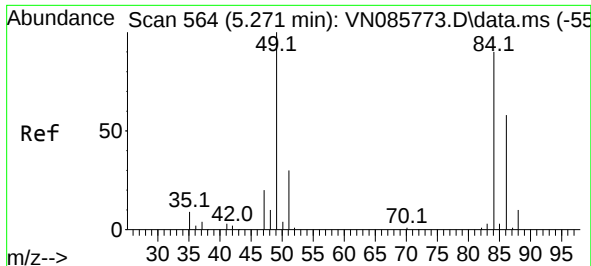
Tgt Ion:168 Resp: 235182  
Ion Ratio Lower Upper  
168 100  
99 58.9 47.9 71.9



#16  
Acetone  
Concen: 35.314 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN085810.D  
Acq: 21 Feb 2025 18:15

Tgt Ion: 43 Resp: 34070  
Ion Ratio Lower Upper  
43 100  
58 37.8 27.5 41.3

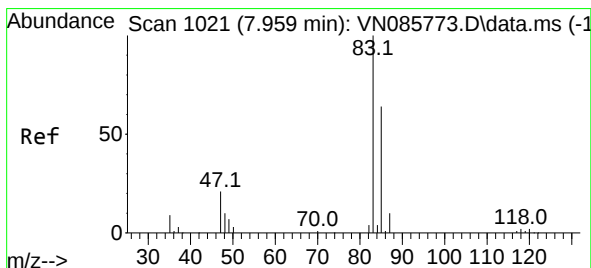
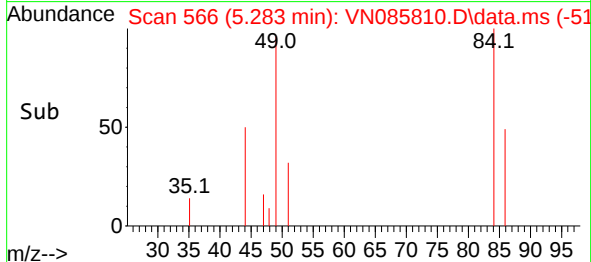
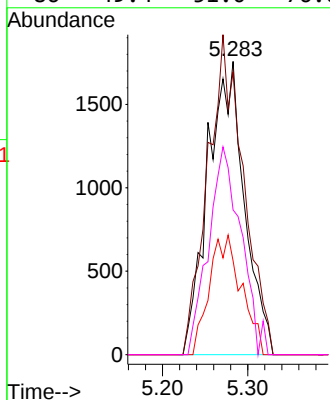
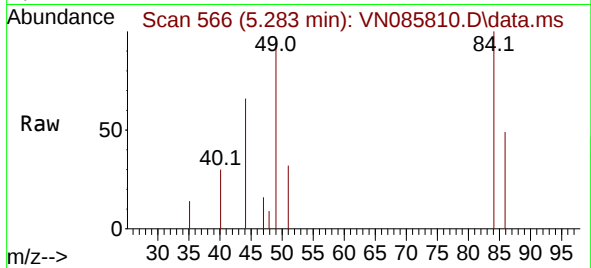




#20  
Methylene Chloride  
Concen: 1.688 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN085810.D  
Acq: 21 Feb 2025 18:15

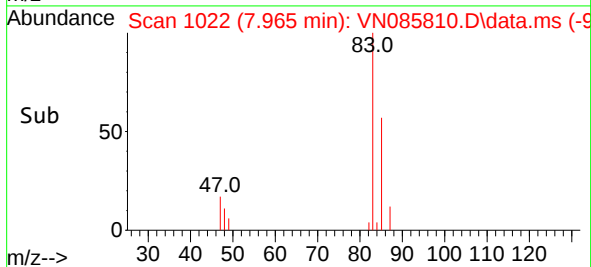
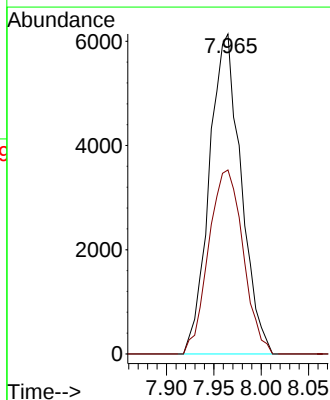
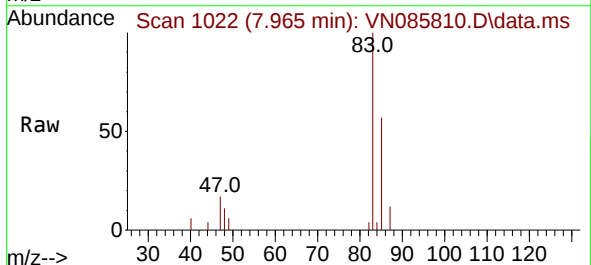
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166809ZHE#03

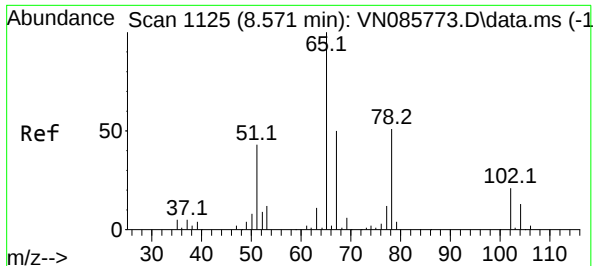
Tgt Ion: 84 Resp: 5238  
Ion Ratio Lower Upper  
84 100  
49 96.4 88.4 132.6  
51 32.0 26.6 40.0  
86 49.4 51.0 76.6#



#30  
Chloroform  
Concen: 2.635 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VN085810.D  
Acq: 21 Feb 2025 18:15

Tgt Ion: 83 Resp: 14324  
Ion Ratio Lower Upper  
83 100  
85 57.5 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 61.503 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085810.D

Acq: 21 Feb 2025 18:15

Instrument :

MSVOA\_N

ClientSampleId :

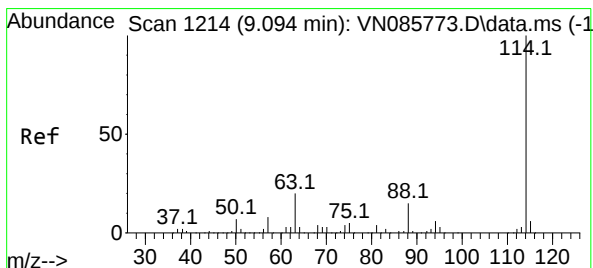
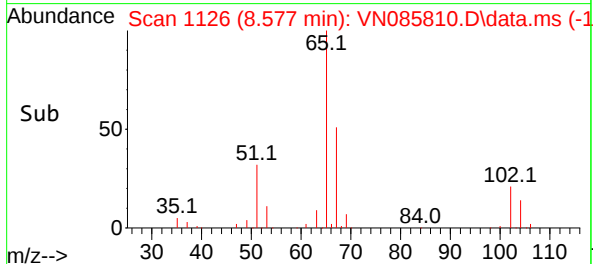
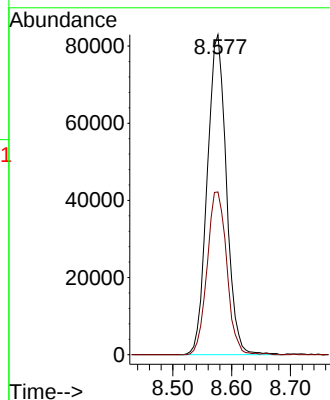
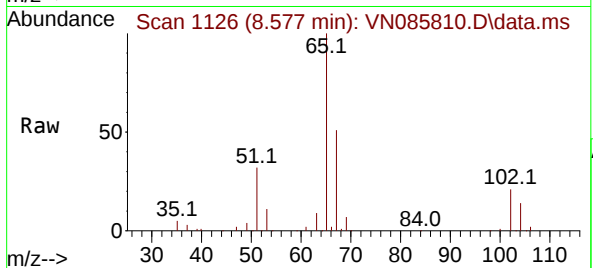
PB166809ZHE#03

Tgt Ion: 65 Resp: 187526

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085810.D

Acq: 21 Feb 2025 18:15

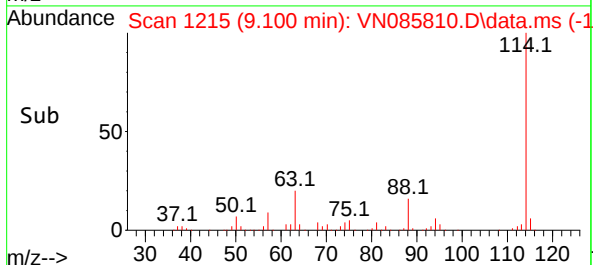
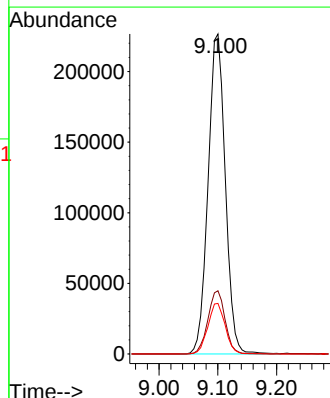
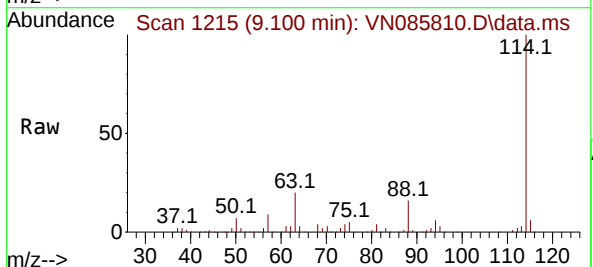
Tgt Ion: 114 Resp: 460217

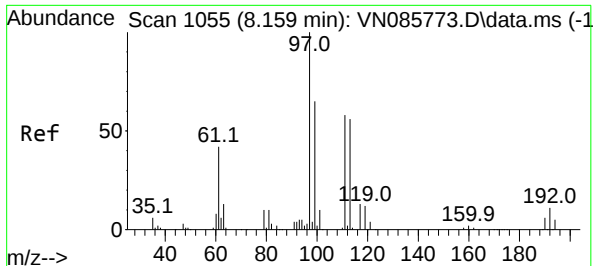
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 15.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.490 ug/l

RT: 8.165 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VN085810.D

Acq: 21 Feb 2025 18:15

Instrument :

MSVOA\_N

ClientSampleId :

PB166809ZHE#03

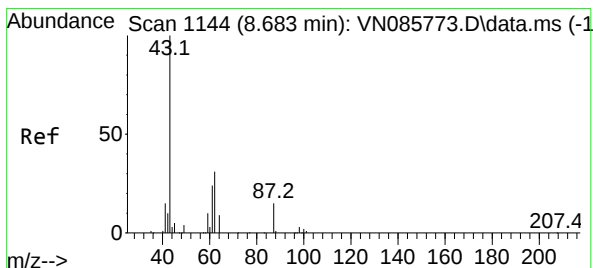
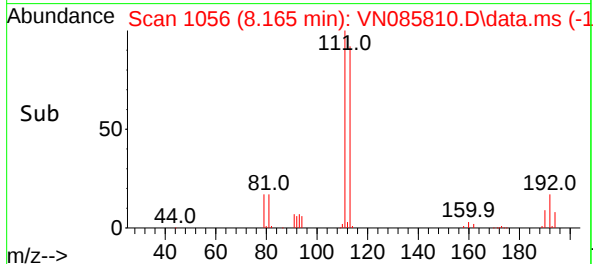
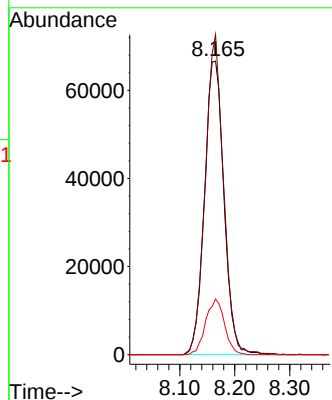
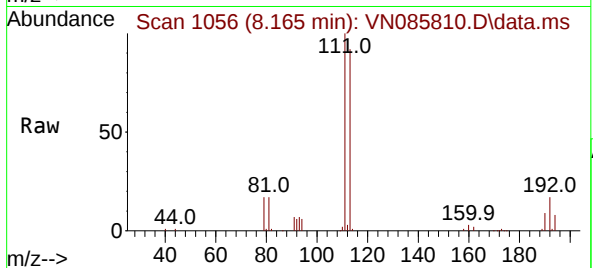
Tgt Ion:113 Resp: 164094

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 18.4 14.7 22.1



#43

Isopropyl Acetate

Concen: 28.654 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.001 min

Lab File: VN085810.D

Acq: 21 Feb 2025 18:15

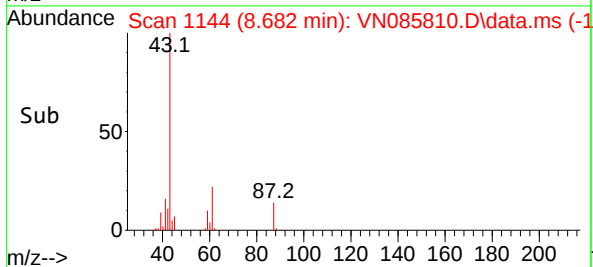
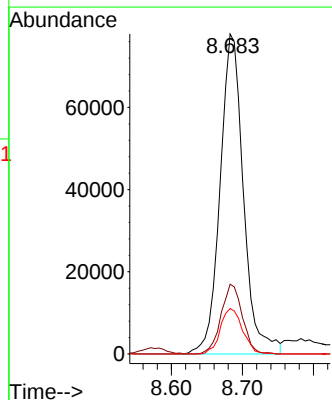
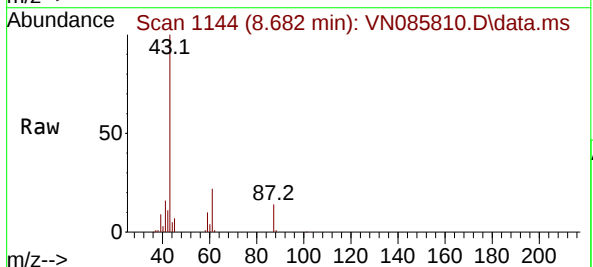
Tgt Ion: 43 Resp: 177809

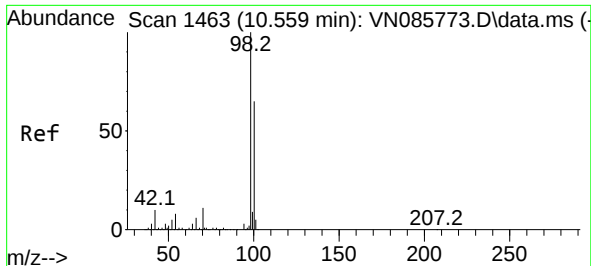
Ion Ratio Lower Upper

43 100

61 19.9 22.6 34.0#

87 13.4 11.8 17.8

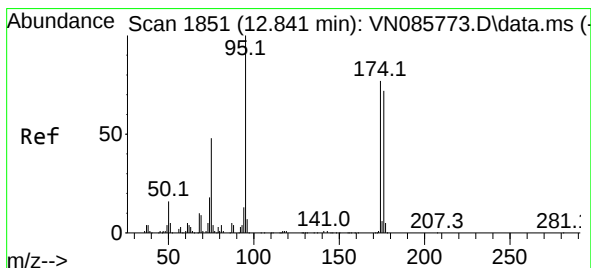
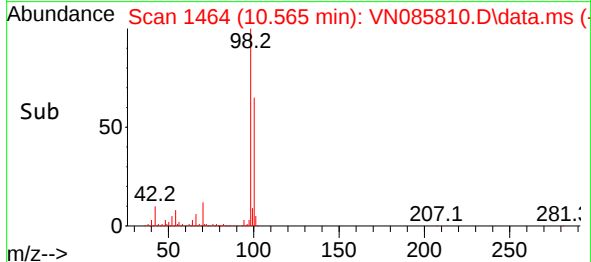
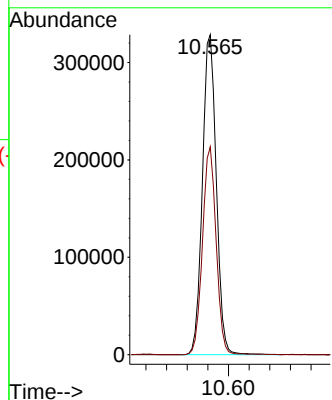
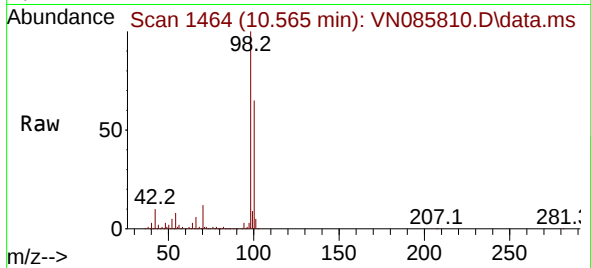




#50  
Toluene-d8  
Concen: 55.780 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN085810.D  
Acq: 21 Feb 2025 18:15

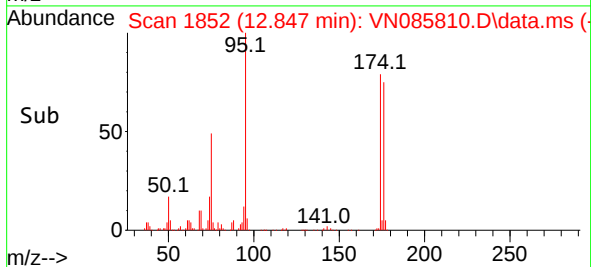
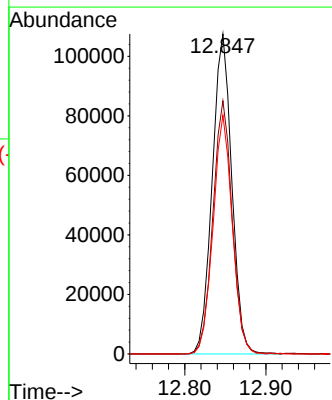
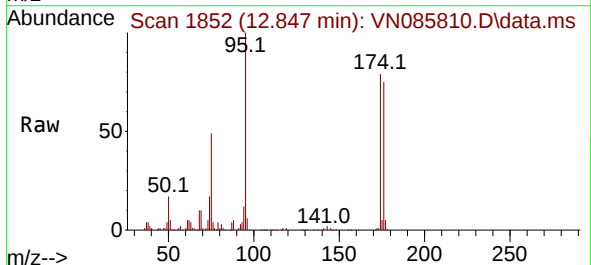
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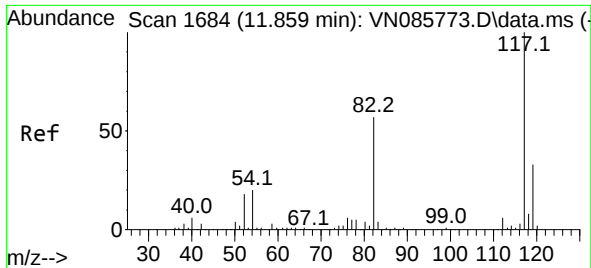
Tgt Ion: 98 Resp: 611159  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 49.772 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.006 min  
Lab File: VN085810.D  
Acq: 21 Feb 2025 18:15

Tgt Ion: 95 Resp: 179673  
Ion Ratio Lower Upper  
95 100  
174 78.4 0.0 152.4  
176 73.4 0.0 146.6

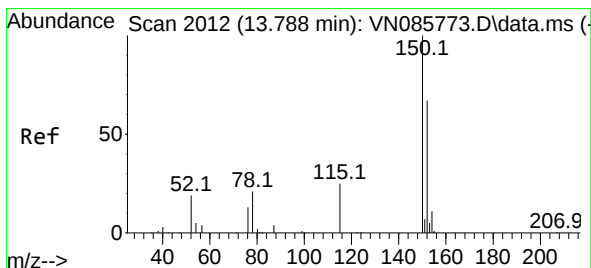
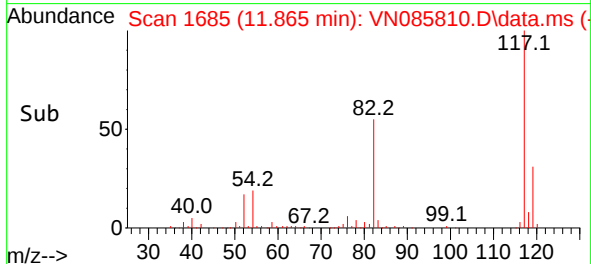
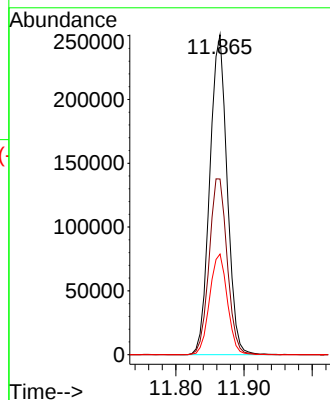
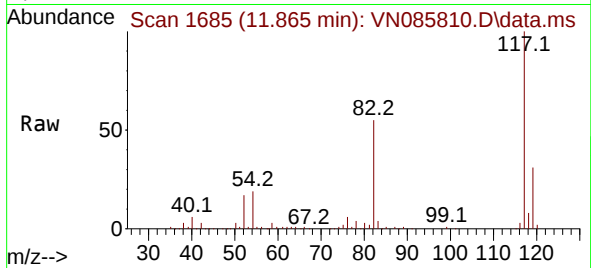




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN085810.D  
Acq: 21 Feb 2025 18:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166809ZHE#03

Tgt Ion:117 Resp: 443894  
Ion Ratio Lower Upper  
117 100  
82 54.9 45.7 68.5  
119 31.5 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN085810.D  
Acq: 21 Feb 2025 18:15

Tgt Ion:152 Resp: 156324  
Ion Ratio Lower Upper  
152 100  
115 60.3 30.4 91.3  
150 157.9 0.0 345.4

