

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091624\  
 Data File : VN083915.D  
 Acq On : 16 Sep 2024 14:15  
 Operator : JC\MD  
 Sample : P3957-06DL 2X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW179D1-20240910DL

Quant Time: Sep 17 02:32:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

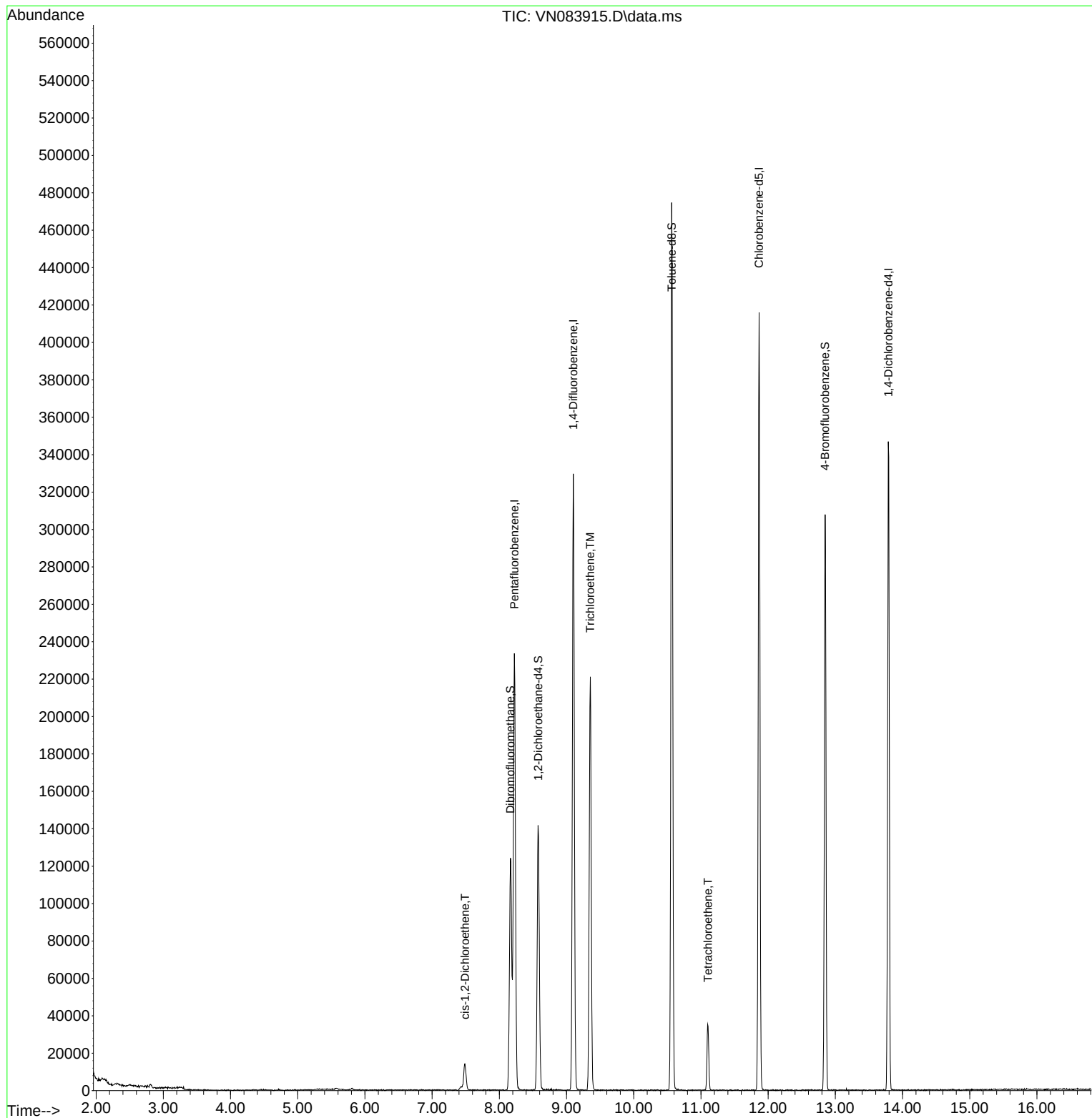
| Compound                    | R.T. QIon      |     | Response | Conc       | Units | Dev(Min) |
|-----------------------------|----------------|-----|----------|------------|-------|----------|
| -----                       |                |     |          |            |       |          |
| Internal Standards          |                |     |          |            |       |          |
| 1) Pentafluorobenzene       | 8.224          | 168 | 156075   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114 | 265487   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117 | 222411   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152 | 90166    | 50.000     | ug/l  | 0.00     |
|                             |                |     |          |            |       |          |
| System Monitoring Compounds |                |     |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65  | 120090   | 51.029     | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |     | Recovery | = 102.060% |       |          |
| 35) Dibromofluoromethane    | 8.165          | 113 | 87158    | 51.281     | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |     | Recovery | = 102.560% |       |          |
| 50) Toluene-d8              | 10.565         | 98  | 315249   | 53.653     | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |     | Recovery | = 107.300% |       |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95  | 103557   | 42.719     | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |     | Recovery | = 85.440%  |       |          |
|                             |                |     |          |            |       |          |
| Target Compounds            |                |     |          |            |       | Qvalue   |
| 27) cis-1,2-Dichloroethene  | 7.489          | 96  | 8510     | 3.963      | ug/l  | 86       |
| 44) Trichloroethene         | 9.353          | 130 | 76926    | 43.143     | ug/l  | 96       |
| 64) Tetrachloroethene       | 11.106         | 164 | 7688     | 5.198      | ug/l  | 93       |
| -----                       |                |     |          |            |       |          |

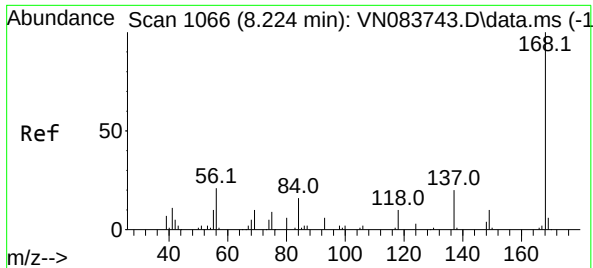
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW179D1-20240910DL

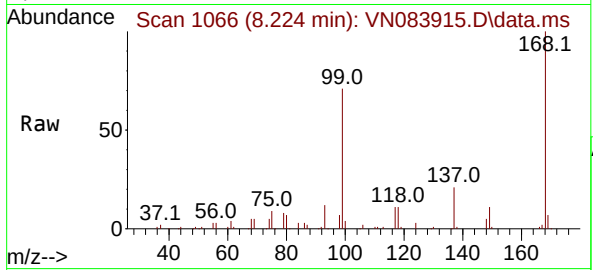
Quant Time: Sep 17 02:32:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration



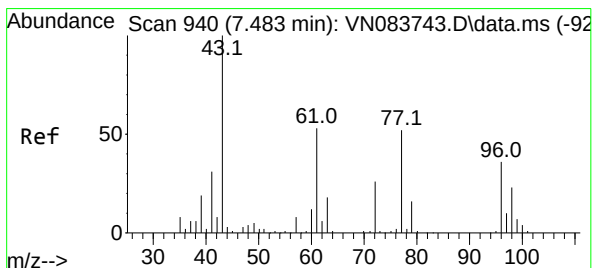
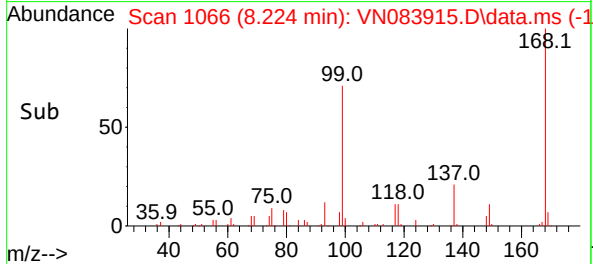
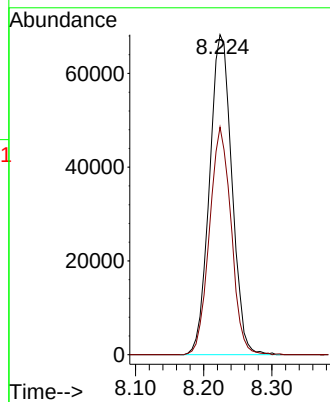


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083915.D  
Acq: 16 Sep 2024 14:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW179D1-20240910DL

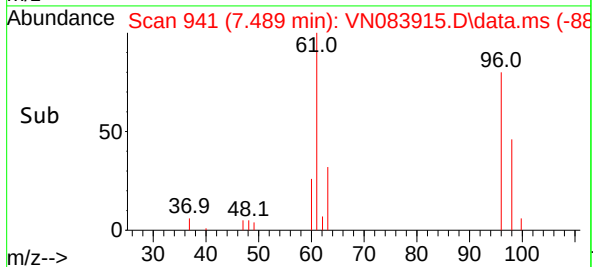
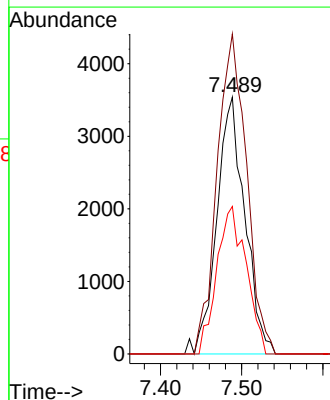
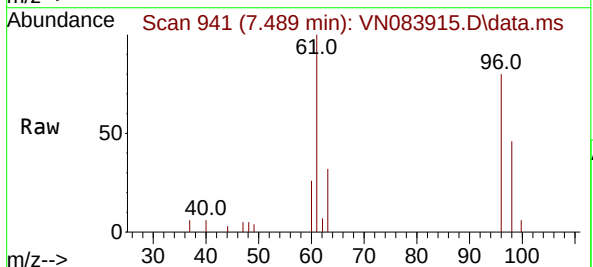


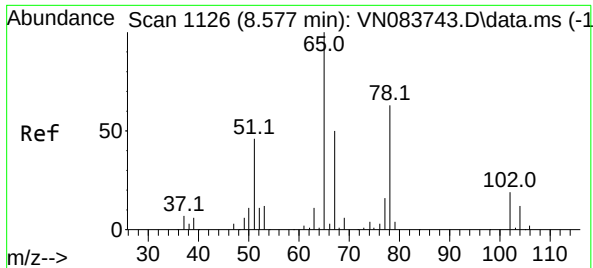
Tgt Ion:168 Resp: 156075  
Ion Ratio Lower Upper  
168 100  
99 71.1 54.2 81.2



#27  
cis-1,2-Dichloroethene  
Concen: 3.963 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN083915.D  
Acq: 16 Sep 2024 14:15

Tgt Ion: 96 Resp: 8510  
Ion Ratio Lower Upper  
96 100  
61 130.9 0.0 306.2  
98 59.8 0.0 128.6





#33

1,2-Dichloroethane-d4

Concen: 51.029 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083915.D

Acq: 16 Sep 2024 14:15

Instrument :

MSVOA\_N

ClientSampleId :

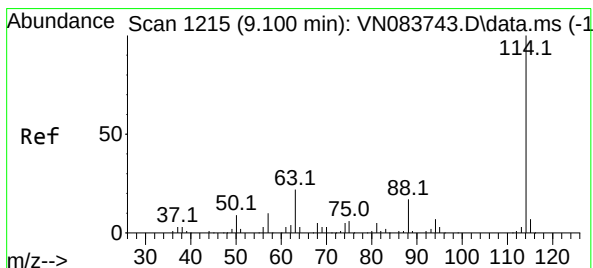
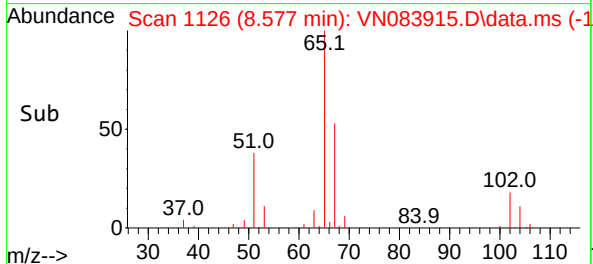
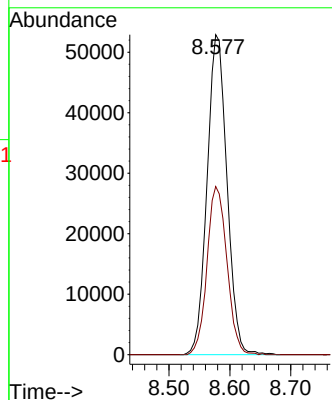
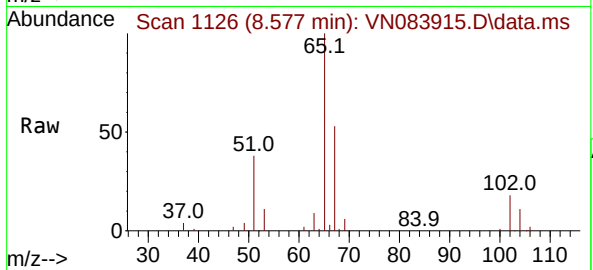
MW179D1-20240910DL

Tgt Ion: 65 Resp: 120090

Ion Ratio Lower Upper

65 100

67 52.5 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083915.D

Acq: 16 Sep 2024 14:15

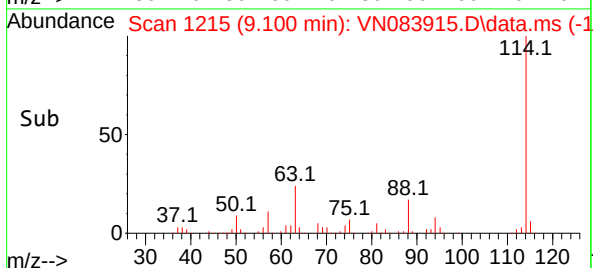
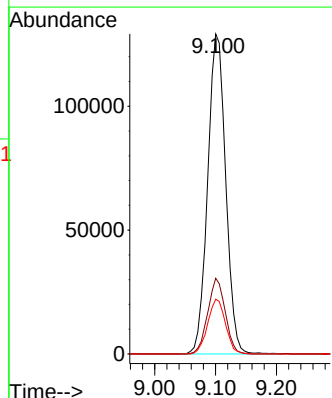
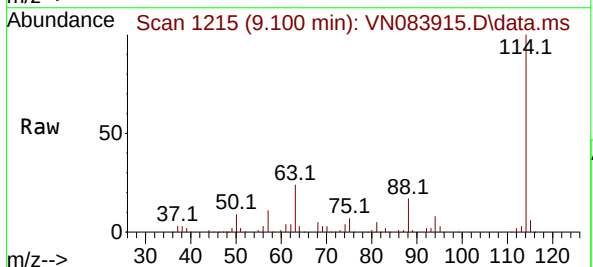
Tgt Ion: 114 Resp: 265487

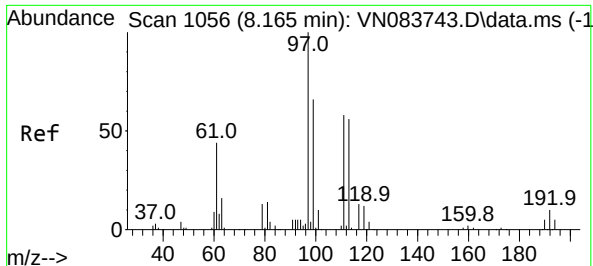
Ion Ratio Lower Upper

114 100

63 23.7 0.0 43.4

88 17.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.281 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083915.D

Acq: 16 Sep 2024 14:15

Instrument :

MSVOA\_N

ClientSampleId :

MW179D1-20240910DL

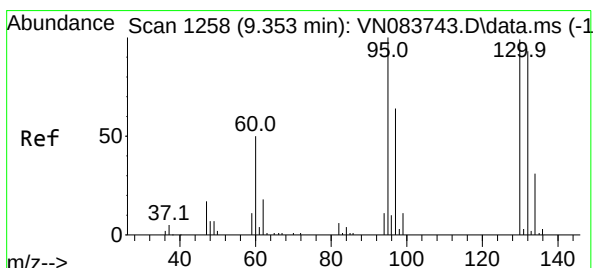
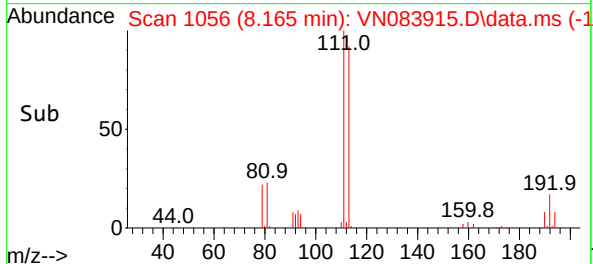
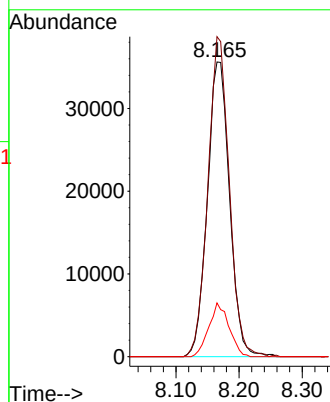
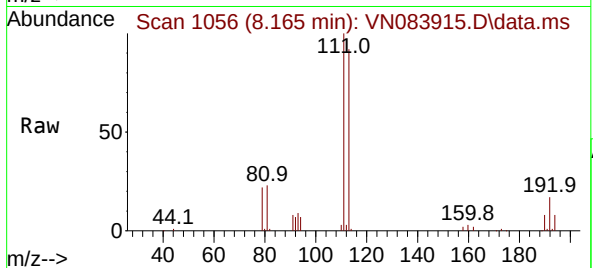
Tgt Ion:113 Resp: 87158

Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 16.6 14.3 21.5



#44

Trichloroethene

Concen: 43.143 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN083915.D

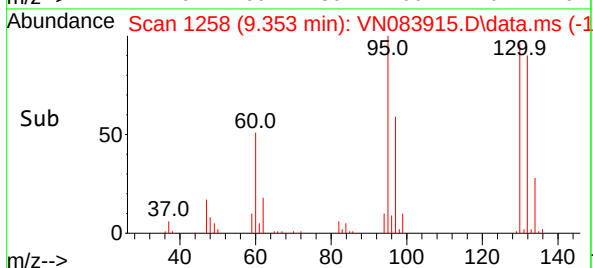
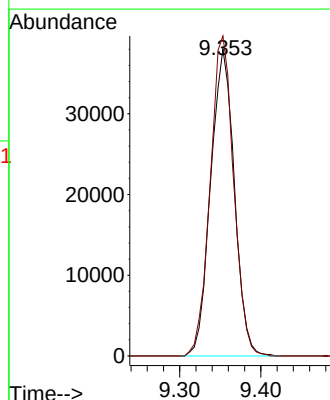
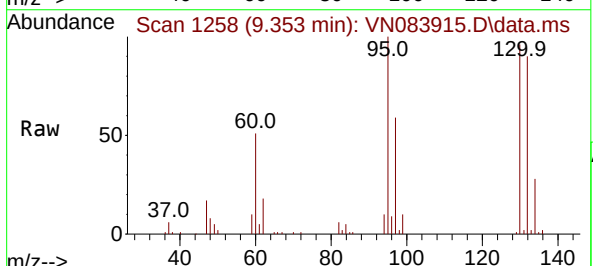
Acq: 16 Sep 2024 14:15

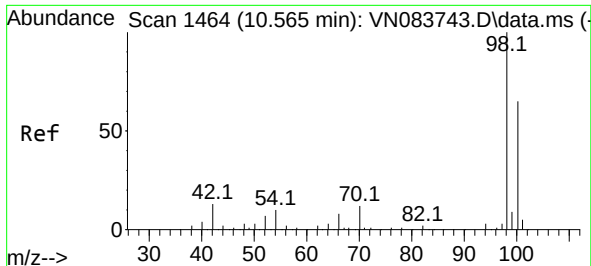
Tgt Ion:130 Resp: 76926

Ion Ratio Lower Upper

130 100

95 104.2 0.0 200.4

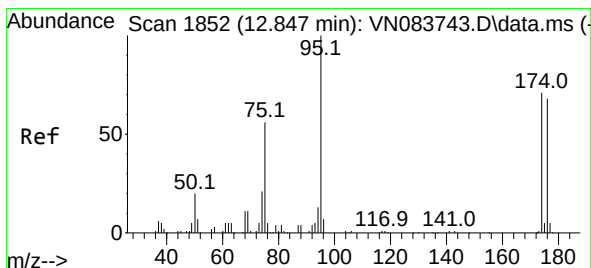
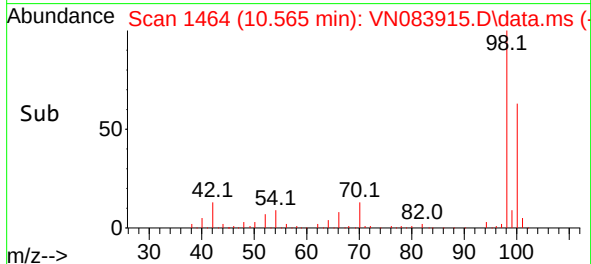
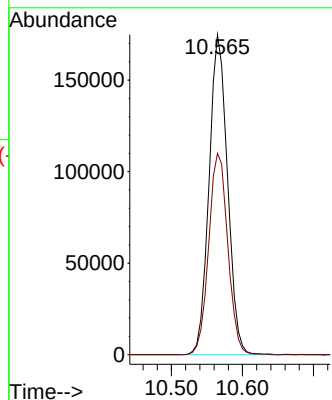
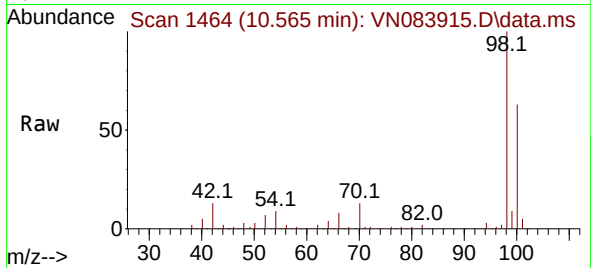




#50  
Toluene-d8  
Concen: 53.653 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN083915.D  
Acq: 16 Sep 2024 14:15

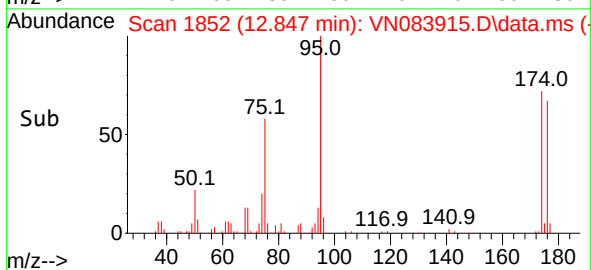
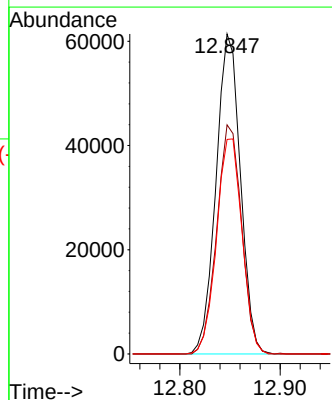
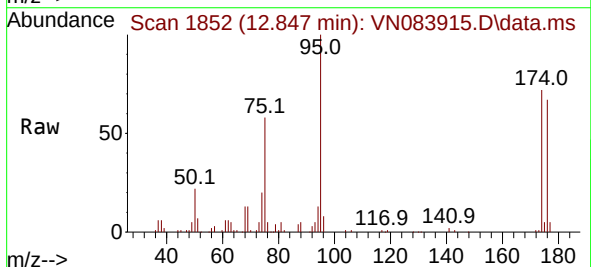
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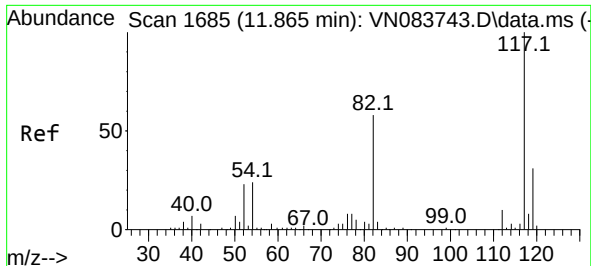
Tgt Ion: 98 Resp: 315249  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 42.719 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083915.D  
Acq: 16 Sep 2024 14:15

Tgt Ion: 95 Resp: 103557  
Ion Ratio Lower Upper  
95 100  
174 72.9 0.0 139.8  
176 70.2 0.0 131.4

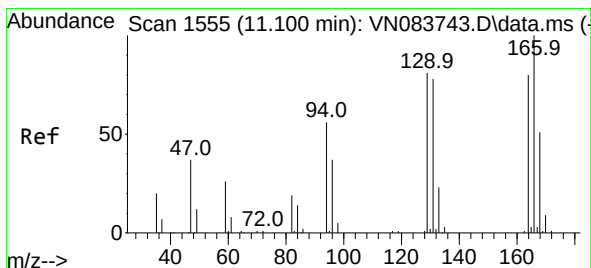
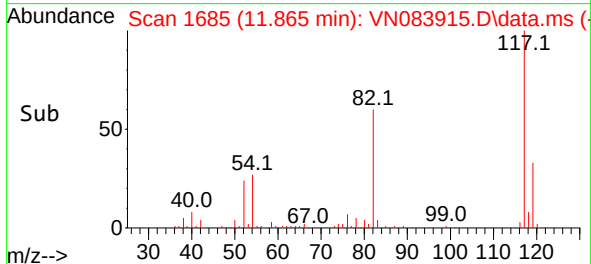
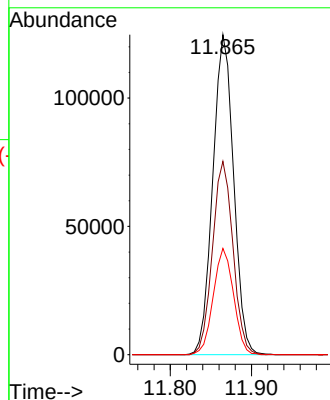
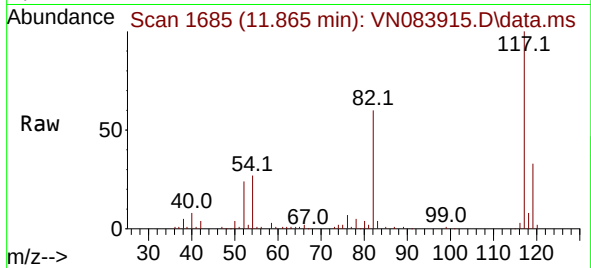




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN083915.D  
Acq: 16 Sep 2024 14:15

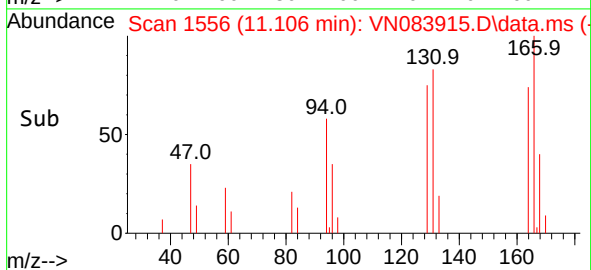
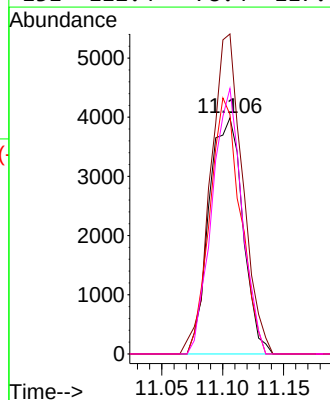
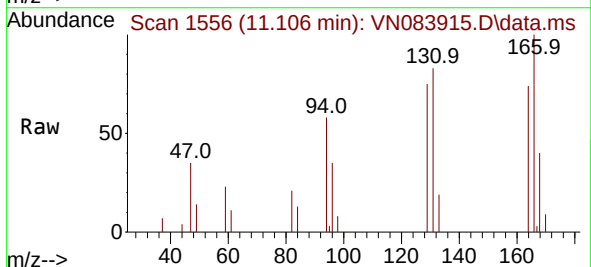
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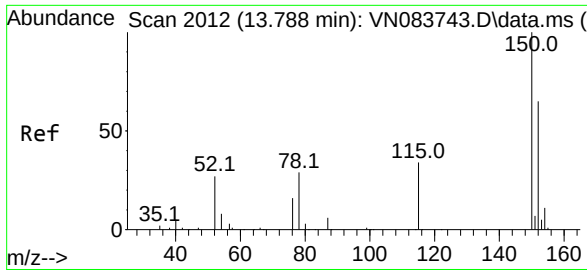
Tgt Ion:117 Resp: 222411  
Ion Ratio Lower Upper  
117 100  
82 60.4 47.4 71.0  
119 33.2 26.3 39.5



#64  
Tetrachloroethene  
Concen: 5.198 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.006 min  
Lab File: VN083915.D  
Acq: 16 Sep 2024 14:15

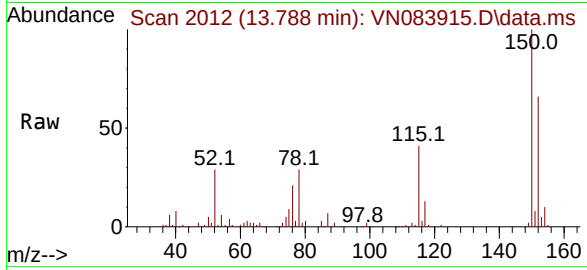
Tgt Ion:164 Resp: 7688  
Ion Ratio Lower Upper  
164 100  
166 135.6 103.7 155.5  
129 101.5 79.9 119.9  
131 112.4 78.4 117.6





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN083915.D  
 Acq: 16 Sep 2024 14:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Tgt Ion:152 Resp: 90166  
 Ion Ratio Lower Upper  
 152 100  
 115 63.0 32.2 96.6  
 150 155.1 0.0 348.6

