

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051425\  
 Data File : VN086627.D  
 Acq On : 14 May 2025 15:21  
 Operator : JC\MD  
 Sample : Q2014-03  
 Misc : 1.08g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MOO-25-0145

Quant Time: May 15 03:04:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 04:19:23 2025  
 Response via : Initial Calibration

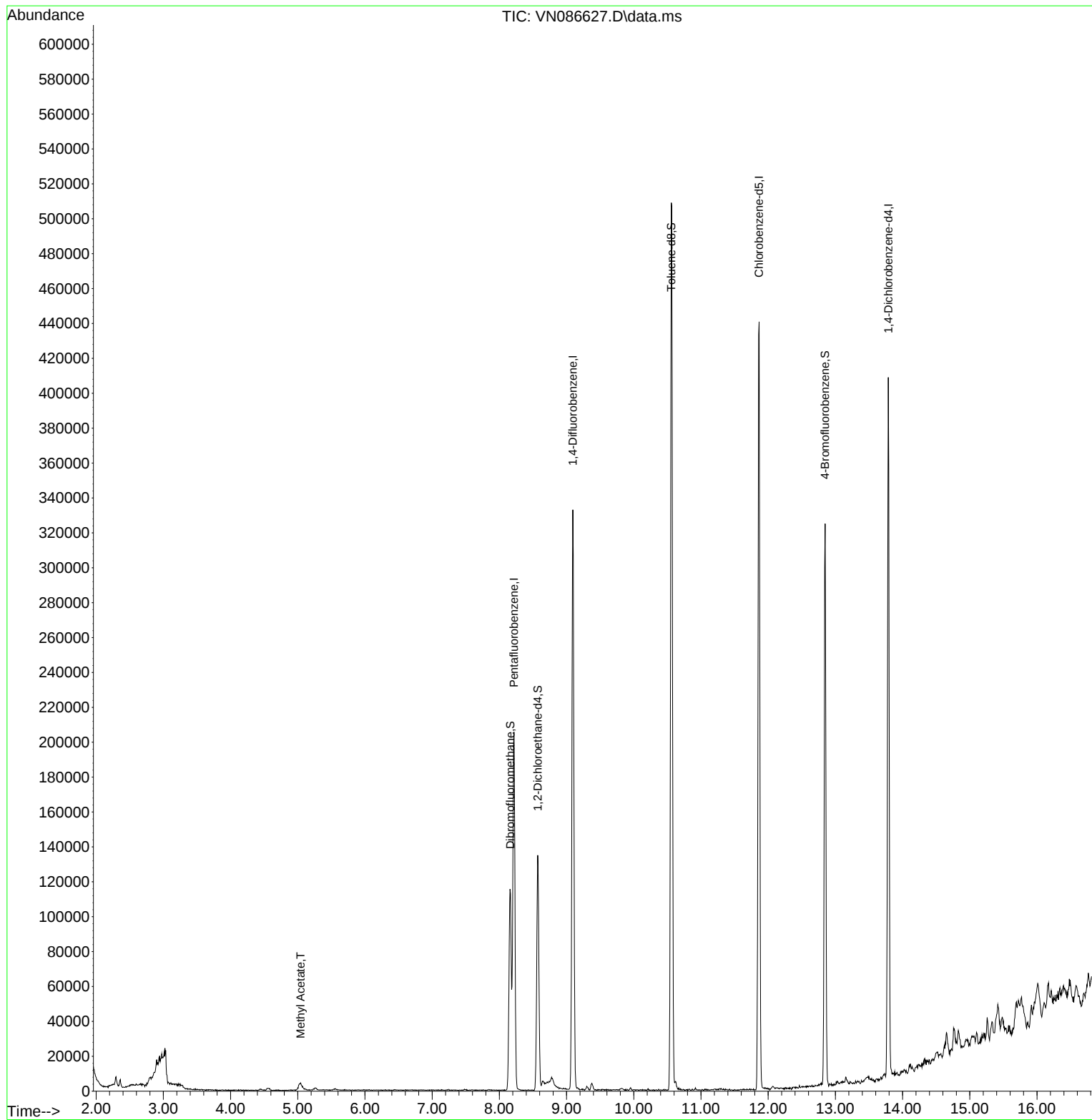
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 8.218  | 168   | 152239   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.094  | 114   | 296977   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 266527   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 108791   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.571  | 65    | 110455   | 50.034   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 100.060%  |          |
| 35) Dibromofluoromethane    | 8.165  | 113   | 87648    | 63.591   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 127.180%# |          |
| 50) Toluene-d8              | 10.559 | 98    | 374331   | 50.816   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 101.640%  |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 120344   | 44.791   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 89.580%   |          |
| Target Compounds            |        |       |          |          |             |          |
|                             |        |       |          |          | Qvalue      |          |
| 18) Methyl Acetate          | 5.042  | 43    | 10748    | 4.056    | ug/l #      | 75       |
| -----                       |        |       |          |          |             |          |

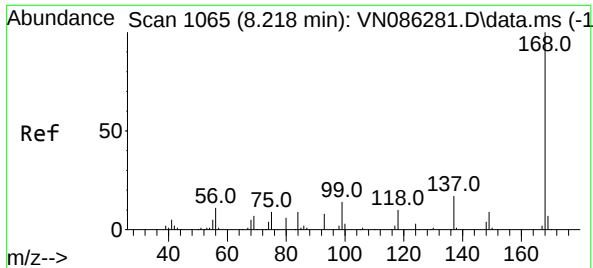
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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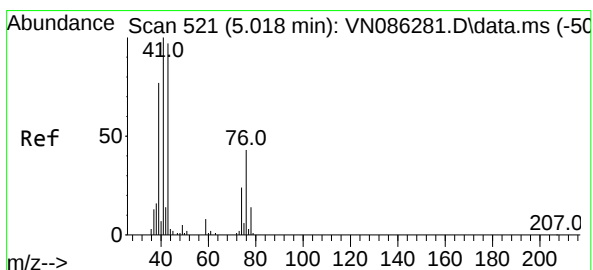
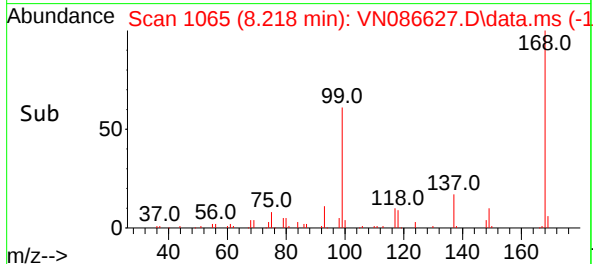
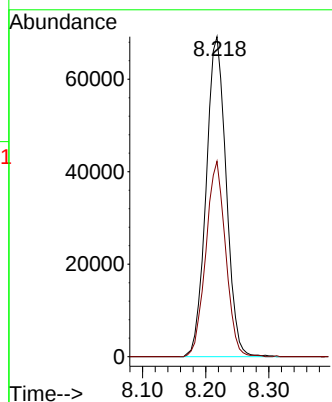
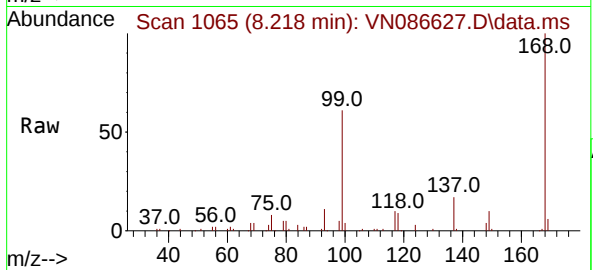




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN086627.D  
Acq: 14 May 2025 15:21

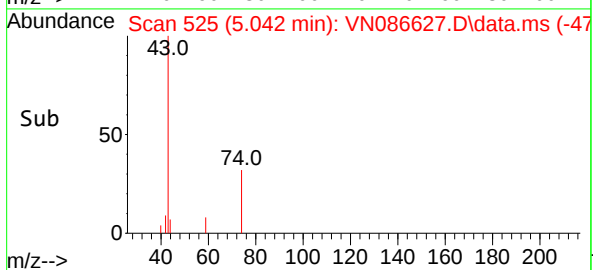
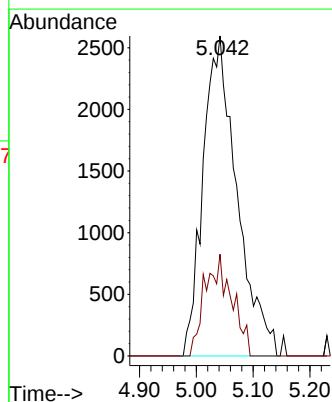
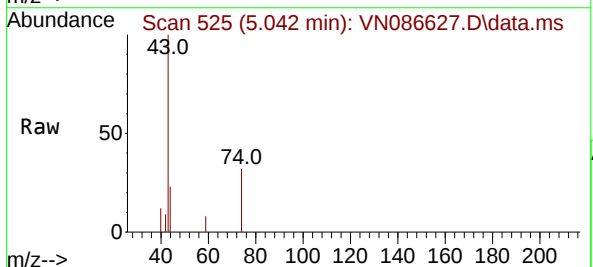
Instrument :  
MSVOA\_N  
ClientSampleId :  
MOO-25-0145

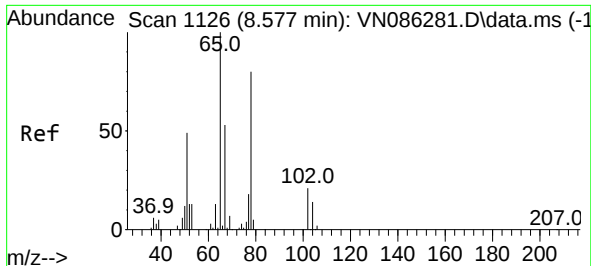
Tgt Ion:168 Resp: 152239  
Ion Ratio Lower Upper  
168 100  
99 61.0 52.5 78.7



#18  
Methyl Acetate  
Concen: 4.056 ug/l  
RT: 5.042 min Scan# 525  
Delta R.T. 0.024 min  
Lab File: VN086627.D  
Acq: 14 May 2025 15:21

Tgt Ion: 43 Resp: 10748  
Ion Ratio Lower Upper  
43 100  
74 12.1 19.8 29.6#





#33

1,2-Dichloroethane-d4

Concen: 50.034 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086627.D

Acq: 14 May 2025 15:21

Instrument :

MSVOA\_N

ClientSampleId :

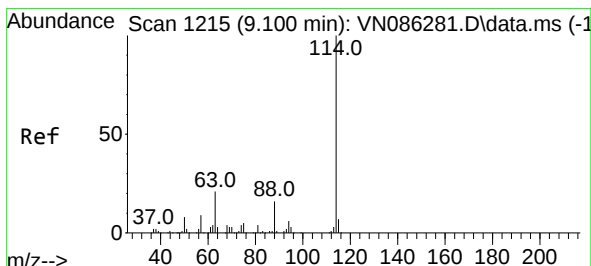
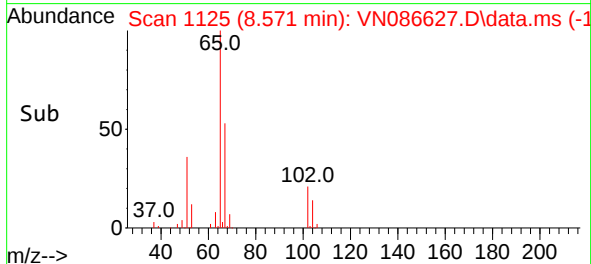
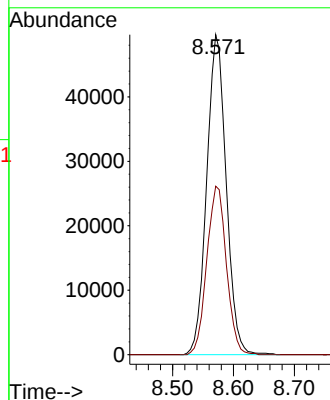
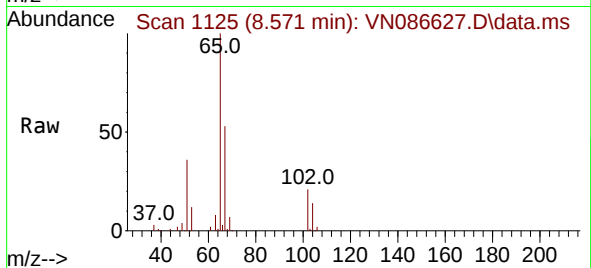
MOO-25-0145

Tgt Ion: 65 Resp: 110455

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086627.D

Acq: 14 May 2025 15:21

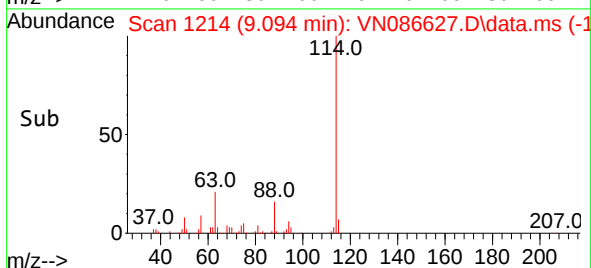
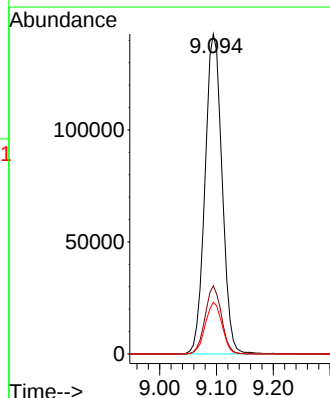
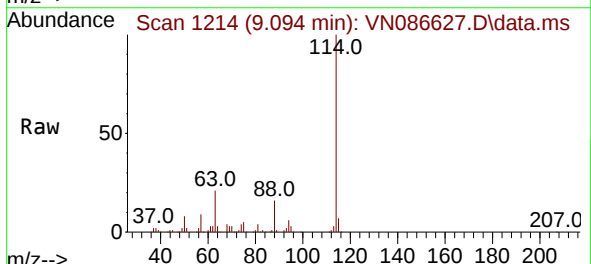
Tgt Ion: 114 Resp: 296977

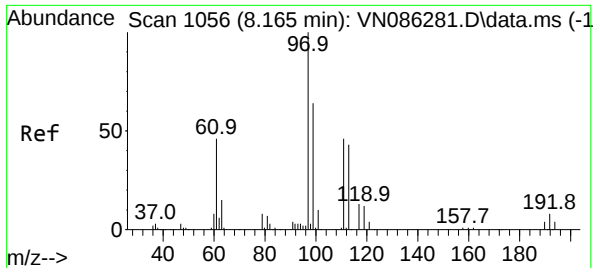
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 16.1 0.0 31.8

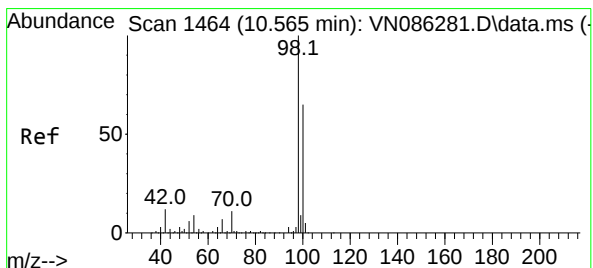
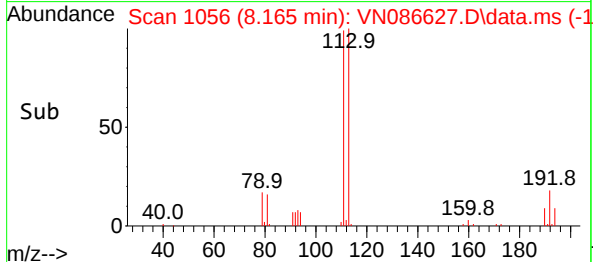
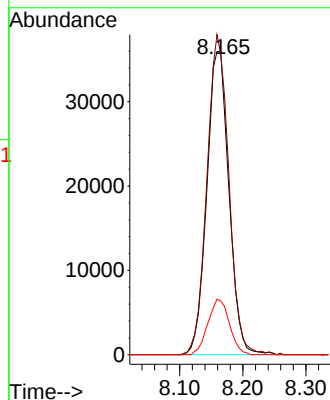
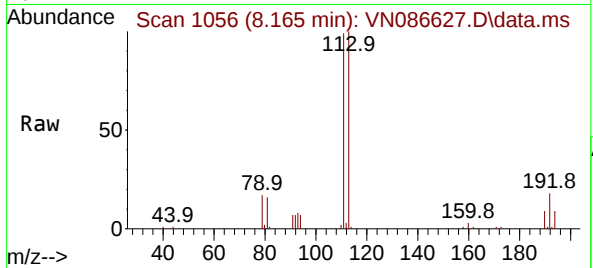




#35  
 Dibromofluoromethane  
 Concen: 63.591 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.000 min  
 Lab File: VN086627.D  
 Acq: 14 May 2025 15:21

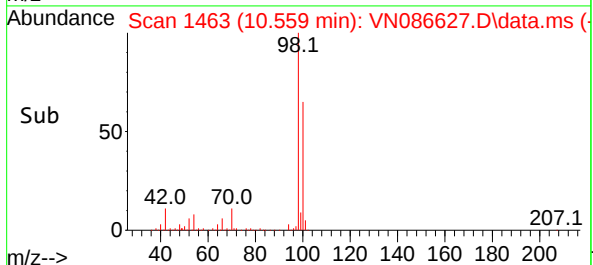
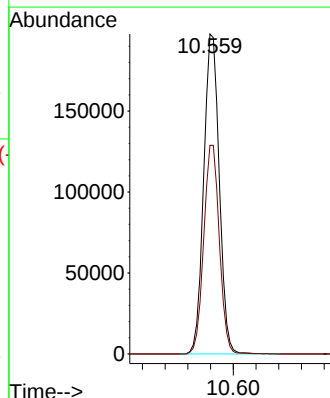
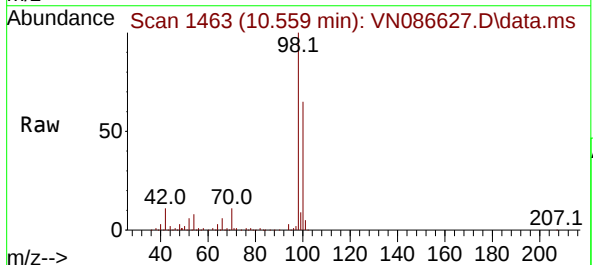
Instrument :  
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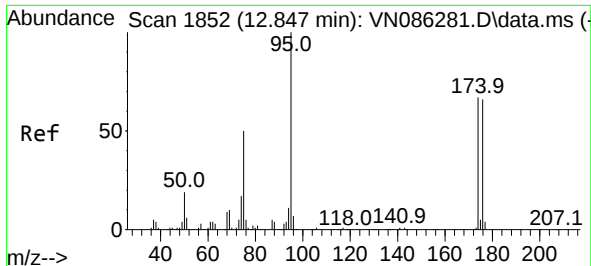
Tgt Ion:113 Resp: 87648  
 Ion Ratio Lower Upper  
 113 100  
 111 104.5 83.4 125.0  
 192 17.7 13.7 20.5



#50  
 Toluene-d8  
 Concen: 50.816 ug/l  
 RT: 10.559 min Scan# 1463  
 Delta R.T. -0.006 min  
 Lab File: VN086627.D  
 Acq: 14 May 2025 15:21

Tgt Ion: 98 Resp: 374331  
 Ion Ratio Lower Upper  
 98 100  
 100 65.5 52.5 78.7

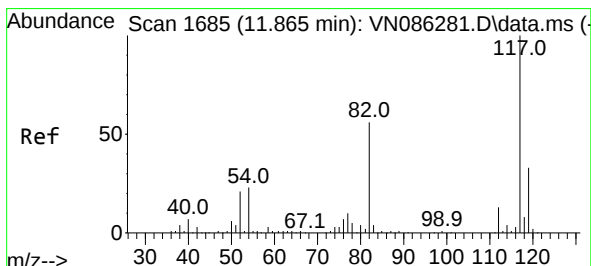
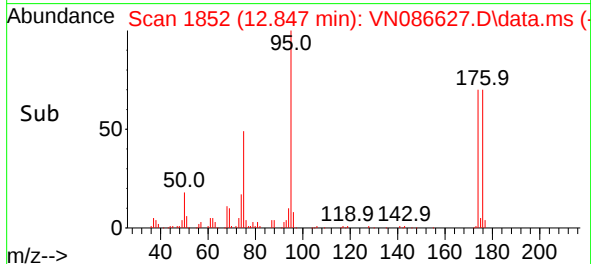
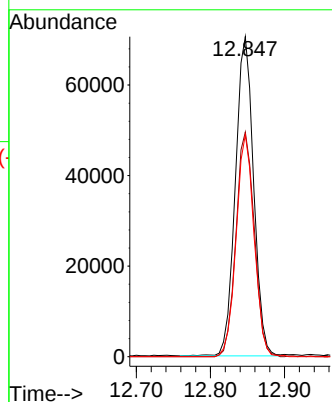
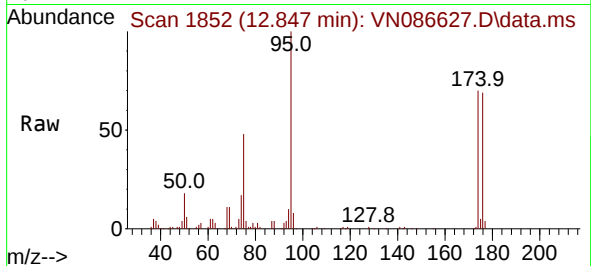




#62  
4-Bromofluorobenzene  
Concen: 44.791 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN086627.D  
Acq: 14 May 2025 15:21

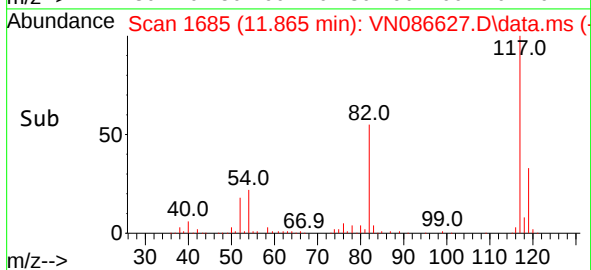
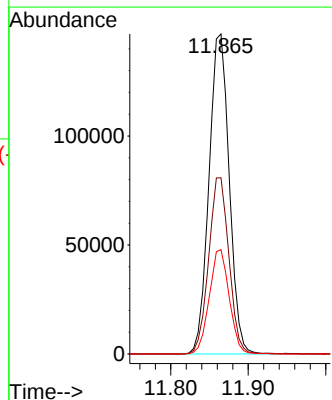
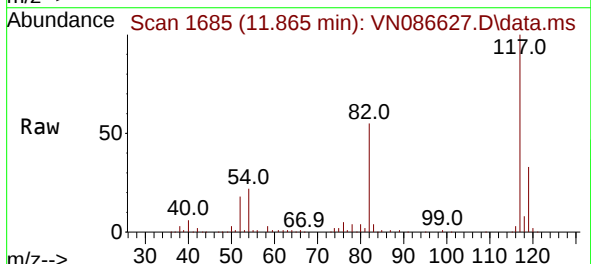
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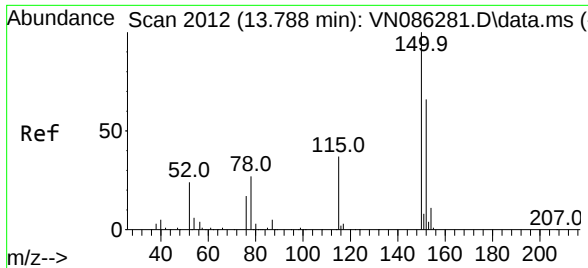
Tgt Ion: 95 Resp: 120344  
Ion Ratio Lower Upper  
95 100  
174 70.8 0.0 133.4  
176 68.4 0.0 129.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN086627.D  
Acq: 14 May 2025 15:21

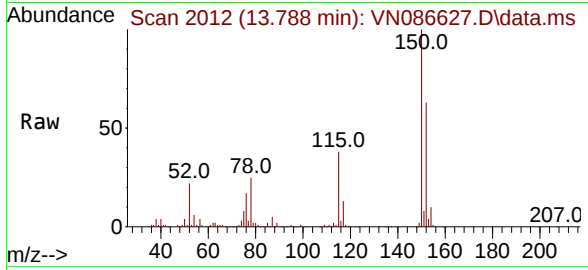
Tgt Ion: 117 Resp: 266527  
Ion Ratio Lower Upper  
117 100  
82 55.1 44.7 67.1  
119 32.6 26.4 39.6





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VN086627.D  
Acq: 14 May 2025 15:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
MOO-25-0145



Tgt Ion:152 Resp: 108791  
Ion Ratio Lower Upper  
152 100  
115 61.3 31.9 95.9  
150 157.4 0.0 352.0

