

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031325\  
 Data File : VN085976.D  
 Acq On : 13 Mar 2025 13:24  
 Operator : JC\MD  
 Sample : PB167104ZHE#01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB167104ZHE#01

Quant Time: Mar 14 00:28:29 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

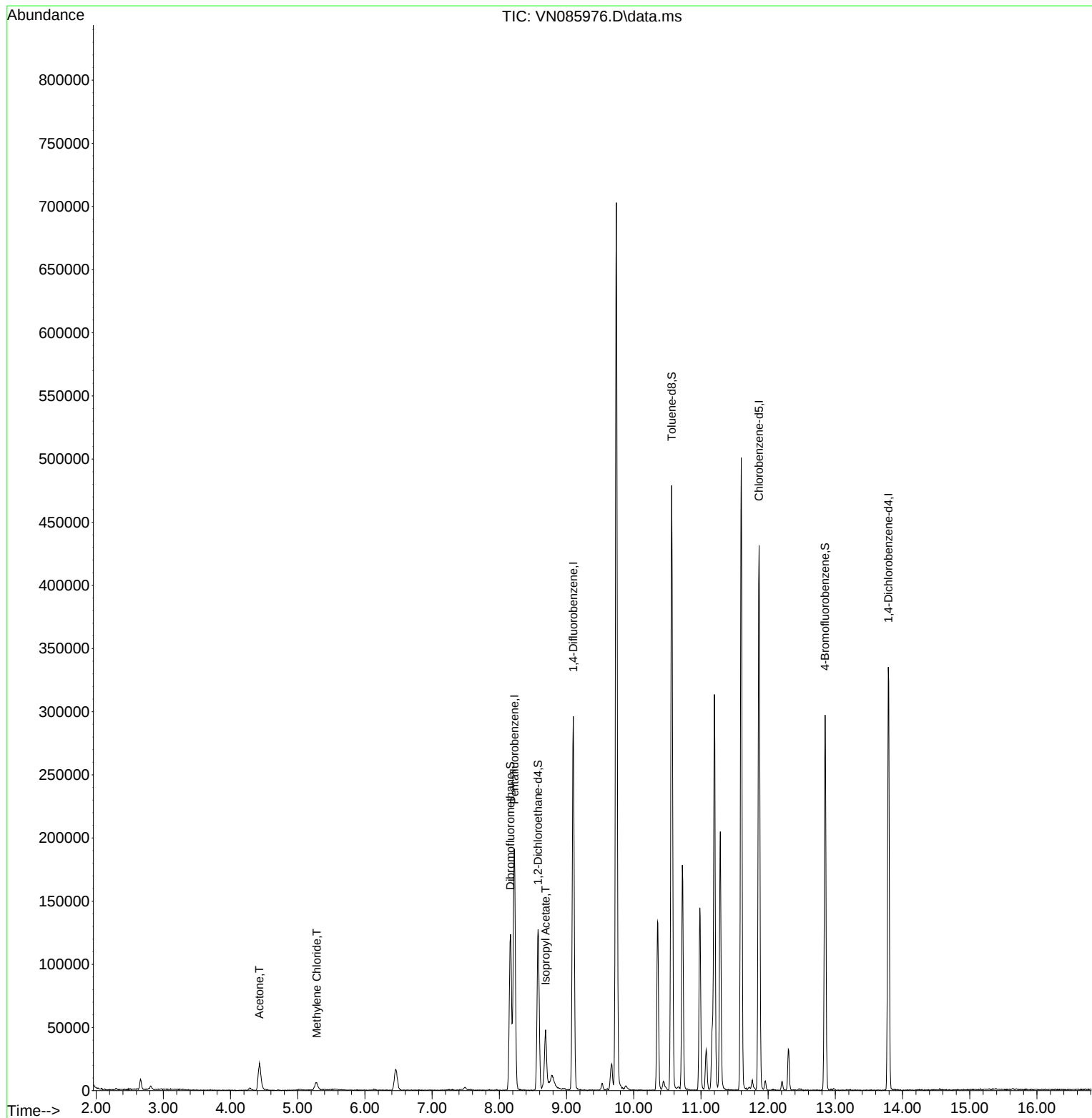
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224     | 168   | 137719   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100     | 114   | 254569   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 253553   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788    | 152   | 96515    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.577     | 65    | 111282   | 62.326   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 124.660% |          |
| 35) Dibromofluoromethane    | 8.165     | 113   | 90827    | 54.525   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 109.060% |          |
| 50) Toluene-d8              | 10.565    | 98    | 336919   | 55.592   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 111.180% |          |
| 62) 4-Bromofluorobenzene    | 12.847    | 95    | 104527   | 52.346   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 77 - 121 | Recovery | = 104.700% |          |
| Target Compounds            |           |       |          |          |            | Qvalue   |
| 16) Acetone                 | 4.430     | 43    | 40067    | 70.920   | ug/l       | 97       |
| 20) Methylene Chloride      | 5.283     | 84    | 5601     | 3.083    | ug/l #     | 81       |
| 43) Isopropyl Acetate       | 8.688     | 43    | 53147    | 15.229   | ug/l #     | 87       |
| -----                       |           |       |          |          |            |          |

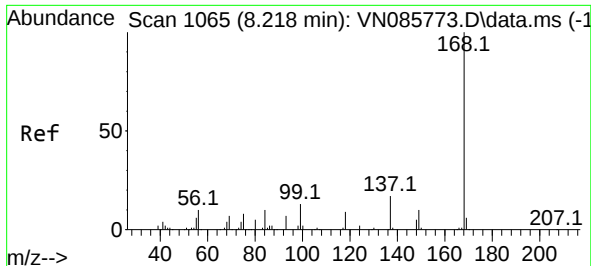
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

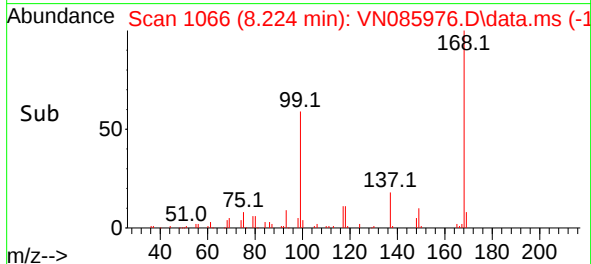
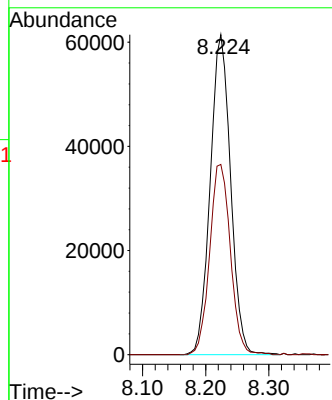
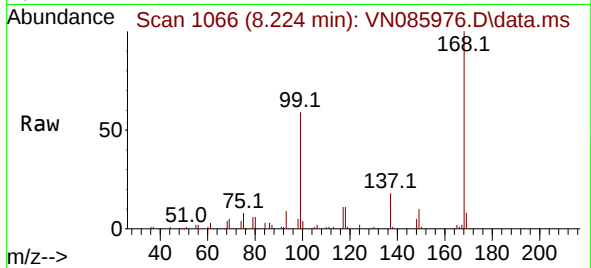




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085976.D  
Acq: 13 Mar 2025 13:24

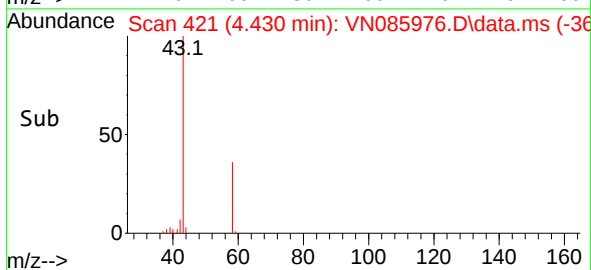
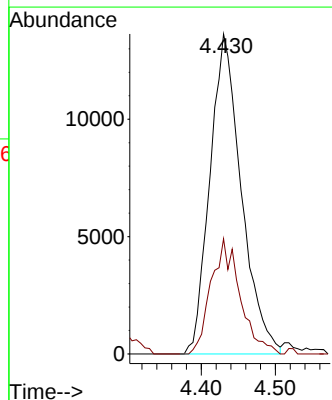
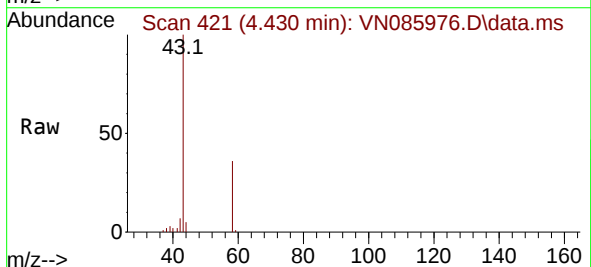
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167104ZHE#01

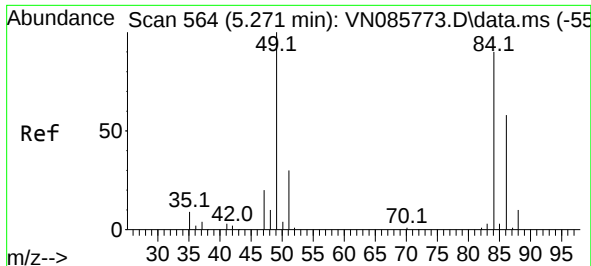
Tgt Ion:168 Resp: 137719  
Ion Ratio Lower Upper  
168 100  
99 59.5 47.9 71.9



#16  
Acetone  
Concen: 70.920 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN085976.D  
Acq: 13 Mar 2025 13:24

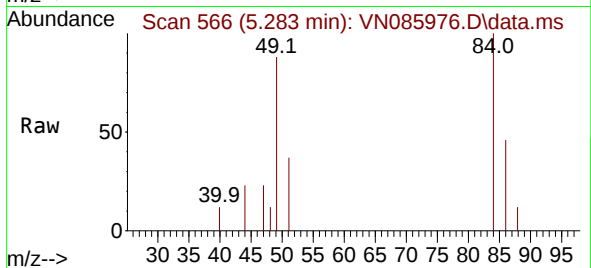
Tgt Ion: 43 Resp: 40067  
Ion Ratio Lower Upper  
43 100  
58 36.0 27.5 41.3



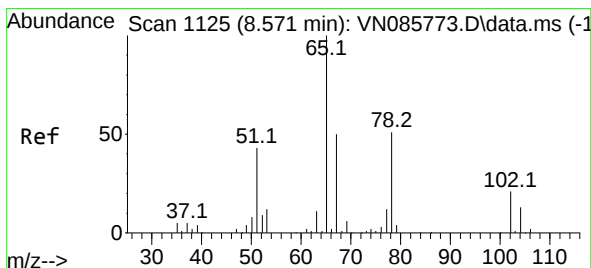
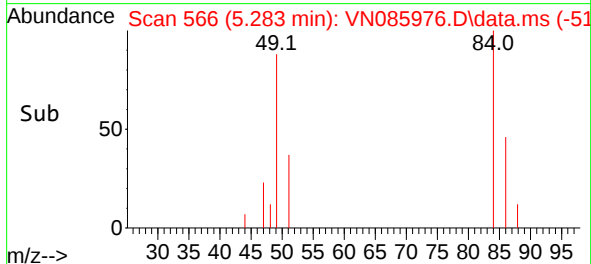
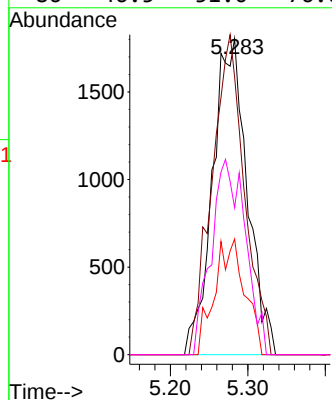


#20  
Methylene Chloride  
Concen: 3.083 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN085976.D  
Acq: 13 Mar 2025 13:24

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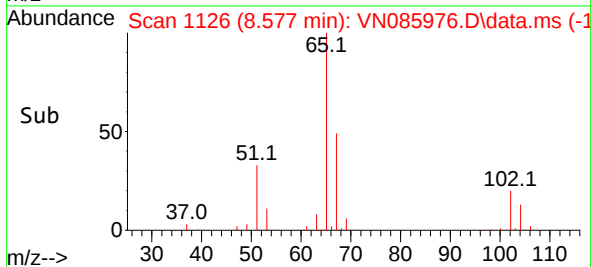
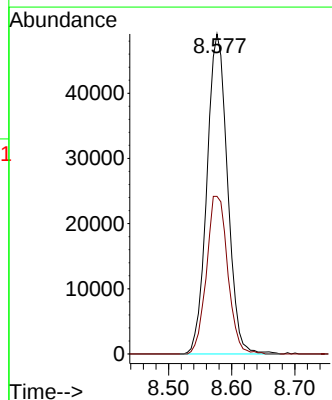
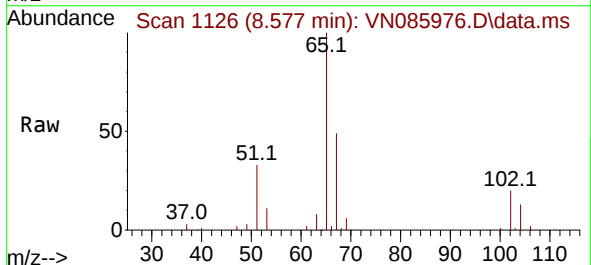


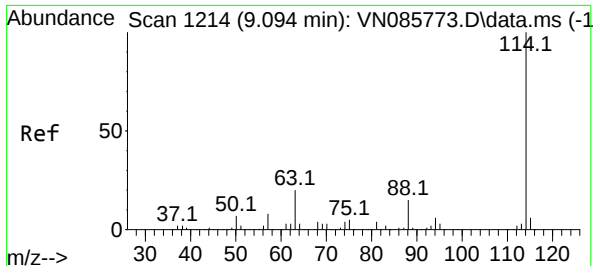
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 5601  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 87.9     | 88.4 132.6# |
| 51 36.6     | 26.6 40.0   |
| 86 46.5     | 51.0 76.6#  |



#33  
1,2-Dichloroethane-d4  
Concen: 62.326 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085976.D  
Acq: 13 Mar 2025 13:24

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 111282 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 50.7     | 0.0 106.2    |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085976.D

Acq: 13 Mar 2025 13:24

Instrument :

MSVOA\_N

ClientSampleId :

PB167104ZHE#01

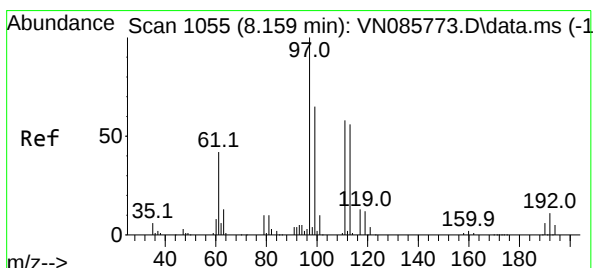
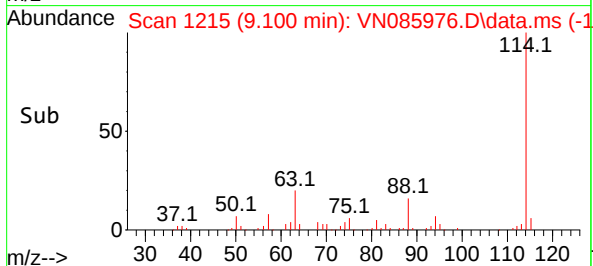
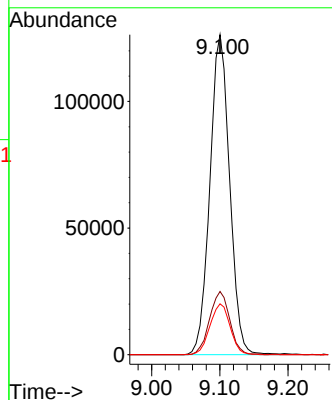
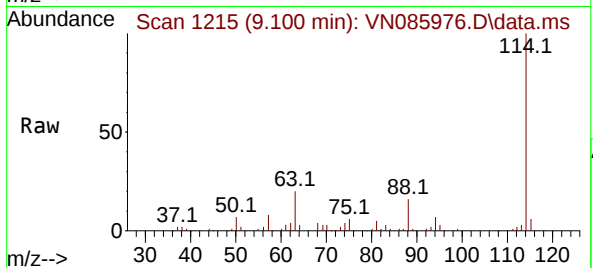
Tgt Ion:114 Resp: 254569

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

88 15.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.525 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085976.D

Acq: 13 Mar 2025 13:24

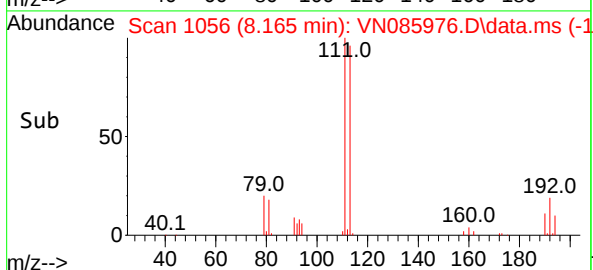
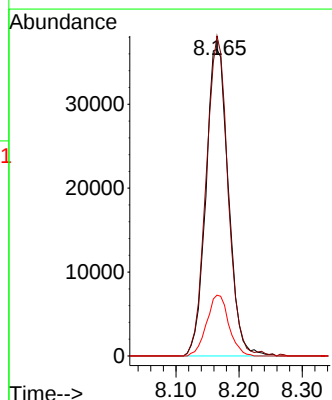
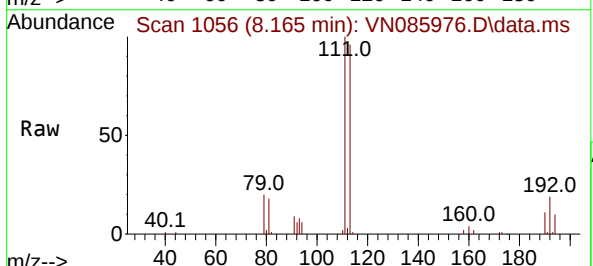
Tgt Ion:113 Resp: 90827

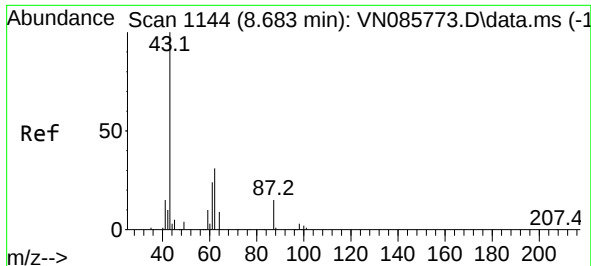
Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

192 19.4 14.7 22.1

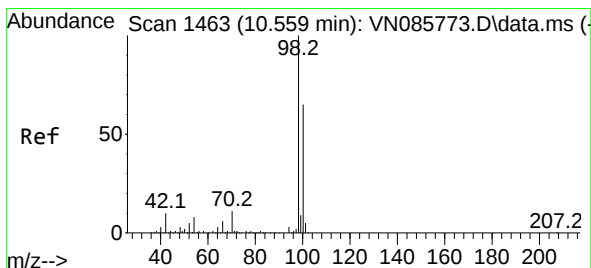
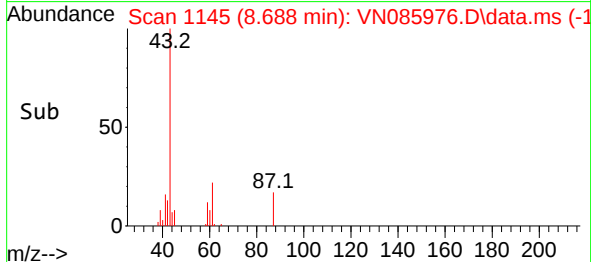
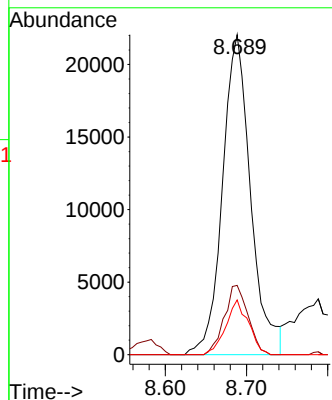
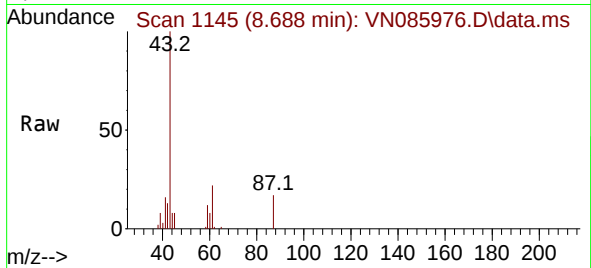




#43  
Isopropyl Acetate  
Concen: 15.229 ug/l  
RT: 8.688 min Scan# 1144  
Delta R.T. 0.005 min  
Lab File: VN085976.D  
Acq: 13 Mar 2025 13:24

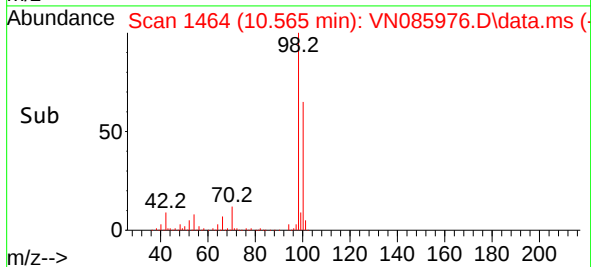
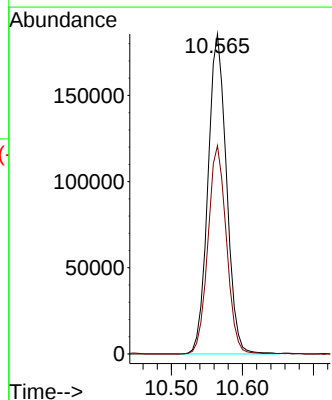
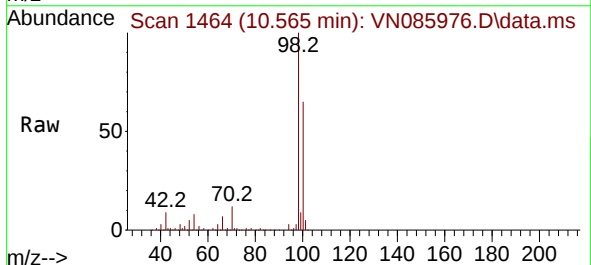
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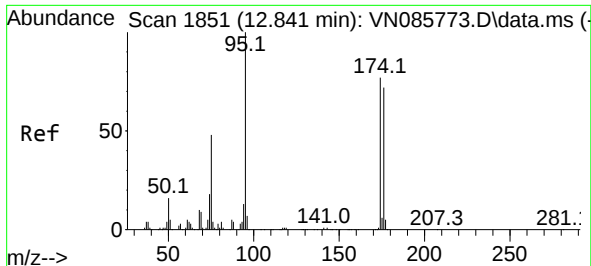
Tgt Ion: 43 Resp: 53147  
Ion Ratio Lower Upper  
43 100  
61 18.3 22.6 34.0#  
87 13.8 11.8 17.8



#50  
Toluene-d8  
Concen: 55.592 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN085976.D  
Acq: 13 Mar 2025 13:24

Tgt Ion: 98 Resp: 336919  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.1 78.1

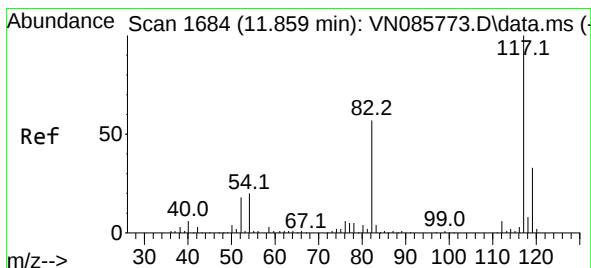
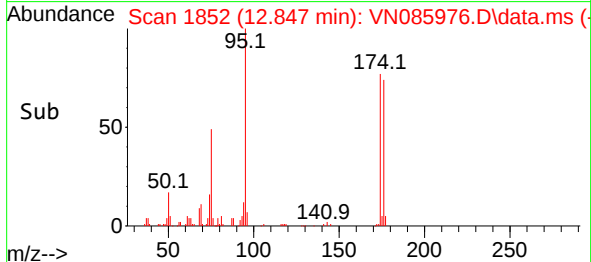
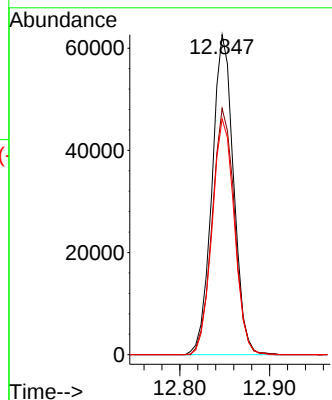
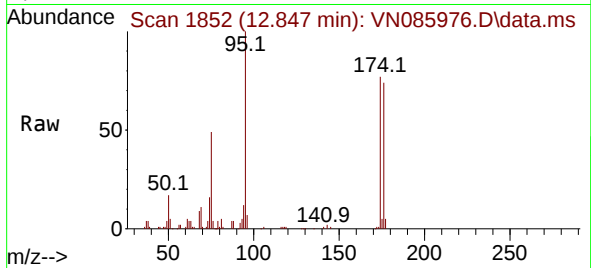




#62  
4-Bromofluorobenzene  
Concen: 52.346 ug/l  
RT: 12.847 min Scan# 1851  
Delta R.T. 0.006 min  
Lab File: VN085976.D  
Acq: 13 Mar 2025 13:24

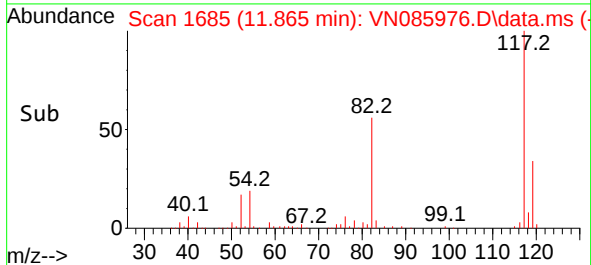
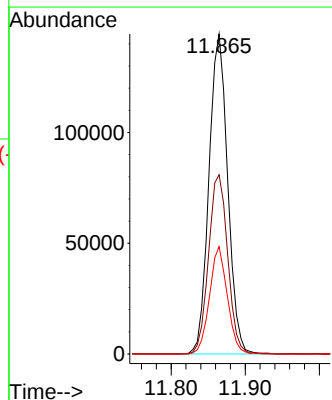
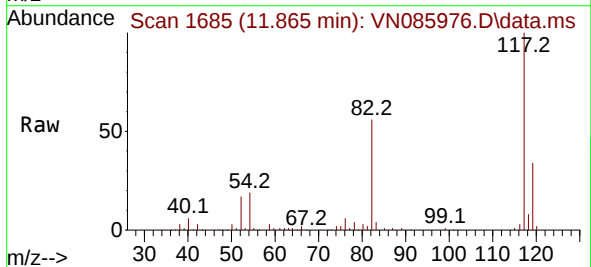
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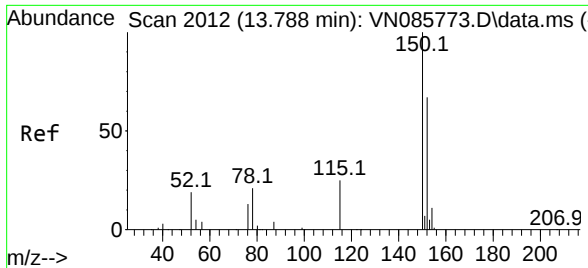
Tgt Ion: 95 Resp: 104527  
Ion Ratio Lower Upper  
95 100  
174 79.8 0.0 152.4  
176 76.0 0.0 146.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.006 min  
Lab File: VN085976.D  
Acq: 13 Mar 2025 13:24

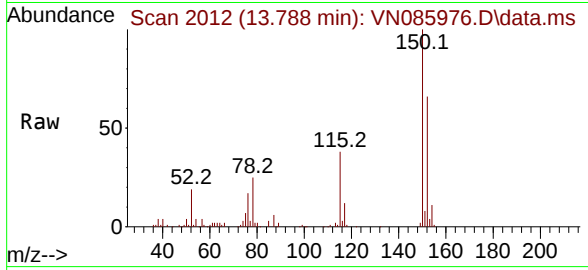
Tgt Ion: 117 Resp: 253553  
Ion Ratio Lower Upper  
117 100  
82 56.0 45.7 68.5  
119 33.6 26.2 39.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN085976.D  
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Instrument :  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 96515 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 59.9  | 30.4  | 91.3  |
| 150       | 156.2 | 0.0   | 345.4 |

