

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030625\  
 Data File : VN085906.D  
 Acq On : 06 Mar 2025 18:19  
 Operator : JC\MD  
 Sample : PB166989ZHE#08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB166989ZHE#08

Quant Time: Mar 07 00:43:04 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

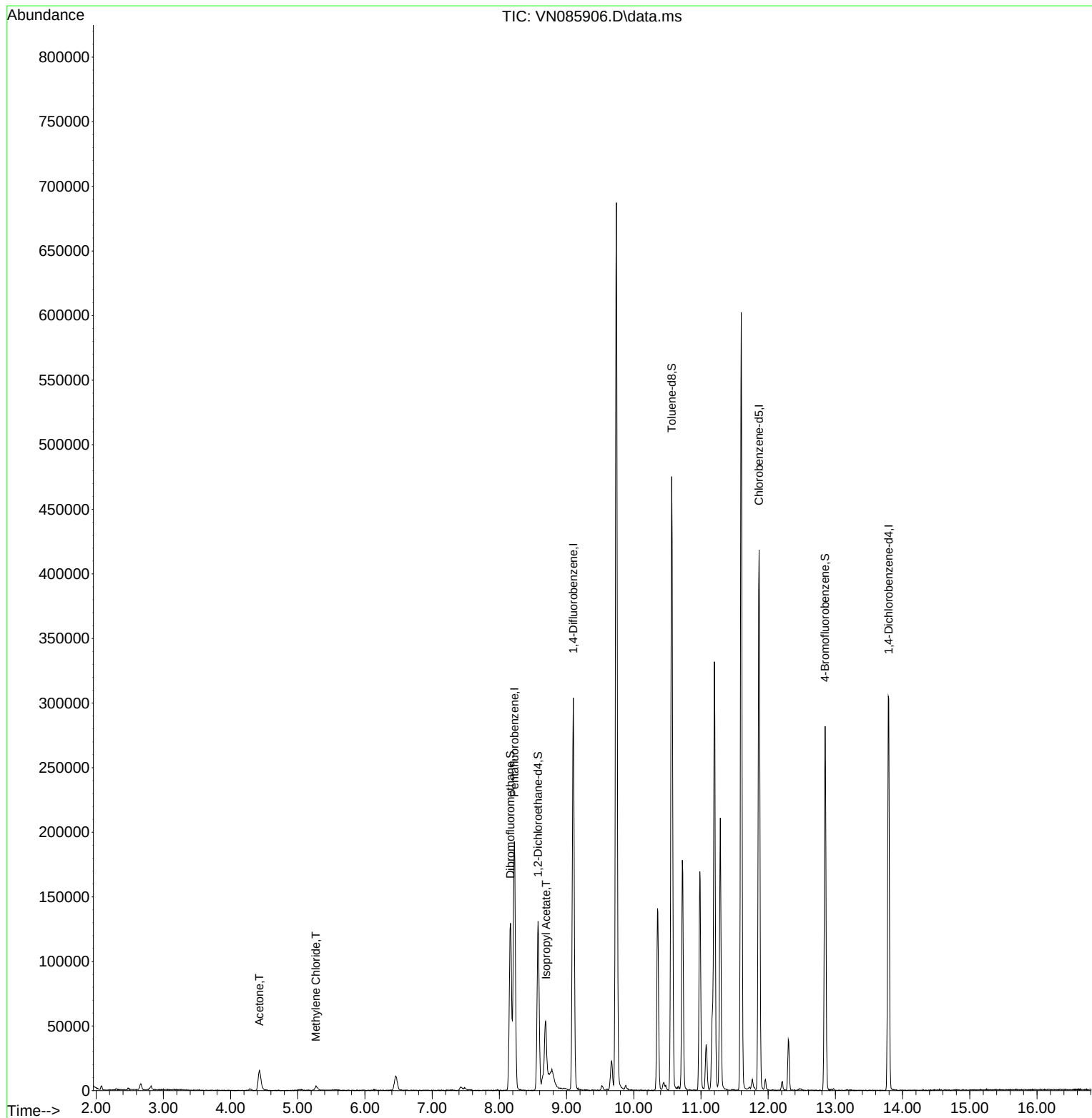
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224     | 168   | 140428   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100     | 114   | 262794   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 251407   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 90477    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.576     | 65    | 109028   | 59.886   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 119.780% |          |
| 35) Dibromofluoromethane    | 8.165     | 113   | 94747    | 55.098   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 110.200% |          |
| 50) Toluene-d8              | 10.565    | 98    | 337943   | 54.015   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 108.040% |          |
| 62) 4-Bromofluorobenzene    | 12.847    | 95    | 100647   | 48.826   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 77 - 121 | Recovery | = 97.660%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 16) Acetone                 | 4.430     | 43    | 28581    | 49.614   | ug/l       | 90       |
| 20) Methylene Chloride      | 5.271     | 84    | 2682     | 1.448    | ug/l       | 88       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 66768m   | 18.653   | ug/l       |          |
| -----                       |           |       |          |          |            |          |

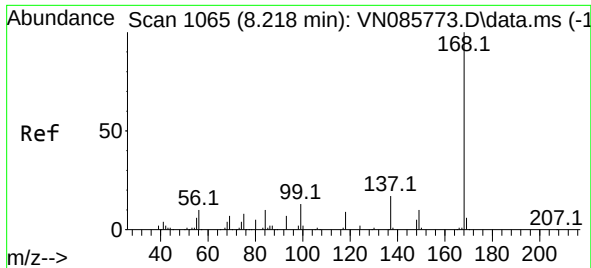
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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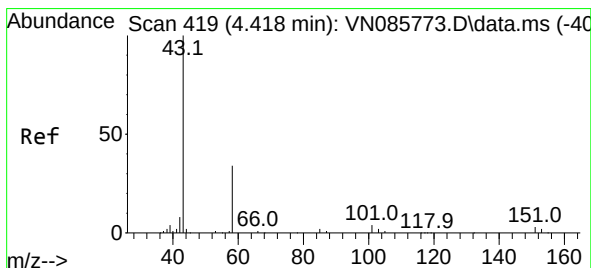
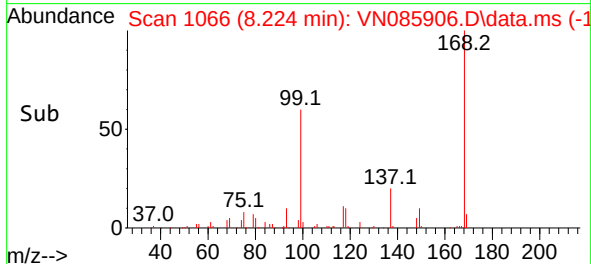
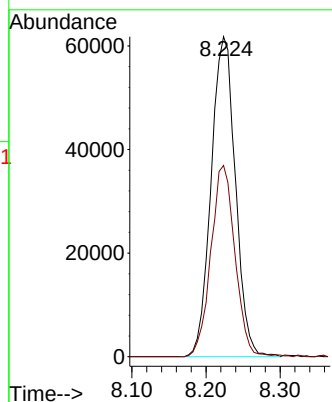
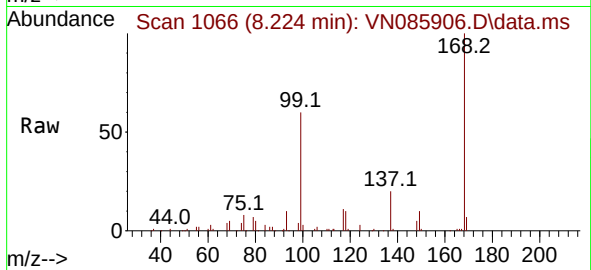




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085906.D  
Acq: 06 Mar 2025 18:19

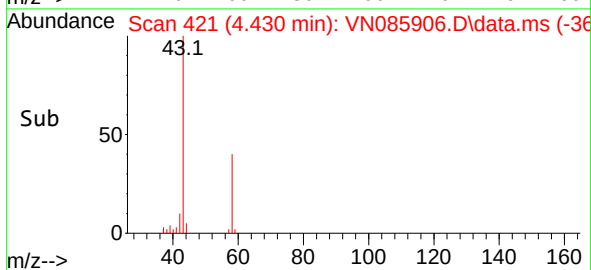
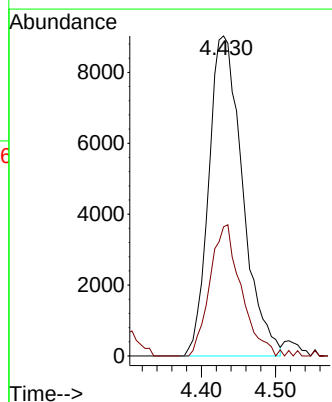
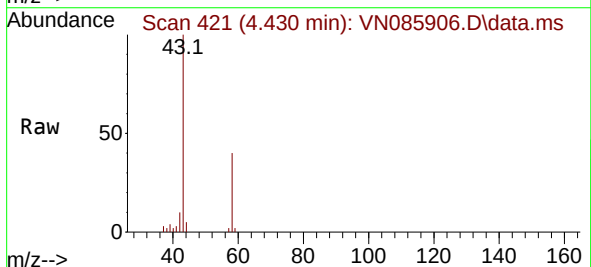
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166989ZHE#08

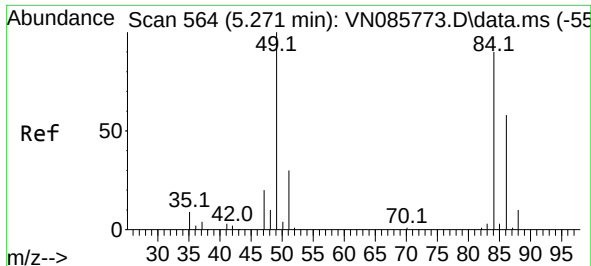
Tgt Ion:168 Resp: 140428  
Ion Ratio Lower Upper  
168 100  
99 59.8 47.9 71.9



#16  
Acetone  
Concen: 49.614 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN085906.D  
Acq: 06 Mar 2025 18:19

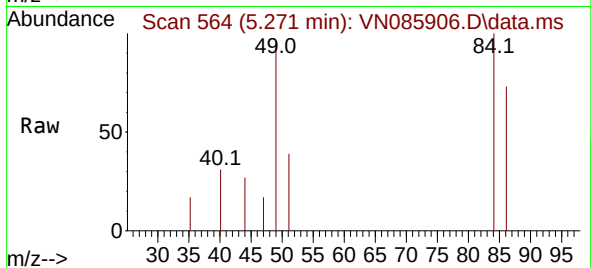
Tgt Ion: 43 Resp: 28581  
Ion Ratio Lower Upper  
43 100  
58 40.4 27.5 41.3





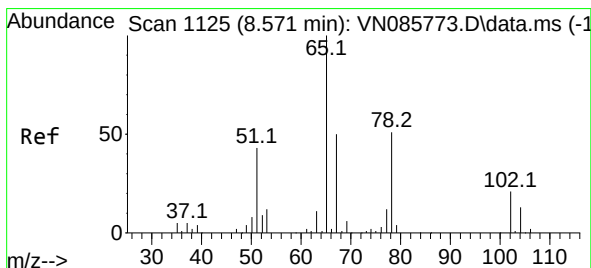
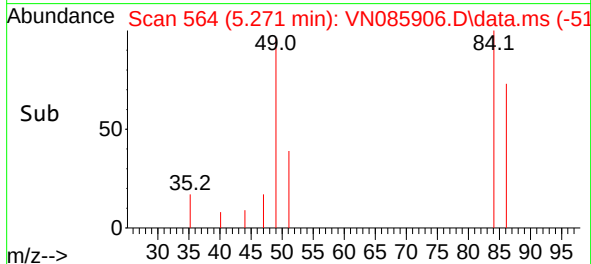
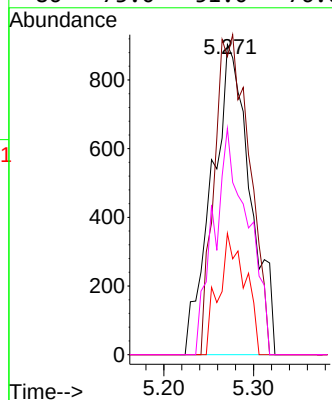
#20  
Methylene Chloride  
Concen: 1.448 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN085906.D  
Acq: 06 Mar 2025 18:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166989ZHE#08



Tgt Ion: 84 Resp: 2682

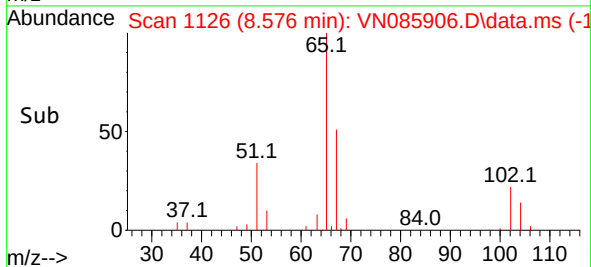
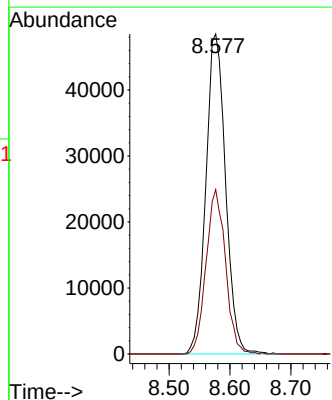
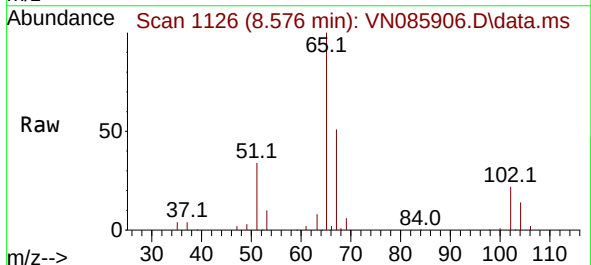
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 96.1  | 88.4  | 132.6 |
| 51  | 39.1  | 26.6  | 40.0  |
| 86  | 73.0  | 51.0  | 76.6  |

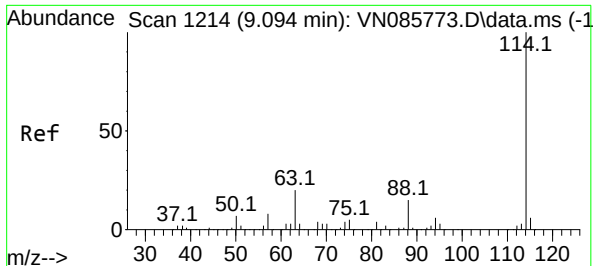


#33  
1,2-Dichloroethane-d4  
Concen: 59.886 ug/l  
RT: 8.576 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085906.D  
Acq: 06 Mar 2025 18:19

Tgt Ion: 65 Resp: 109028

| 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: VN085906.D

Acq: 06 Mar 2025 18:19

Instrument :

MSVOA\_N

ClientSampleId :

PB166989ZHE#08

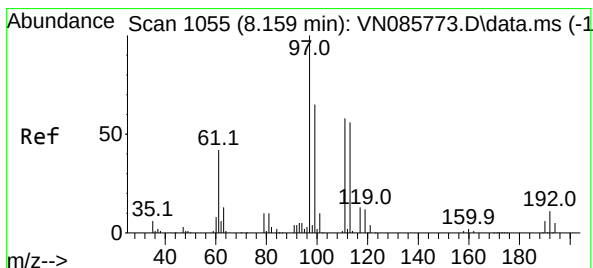
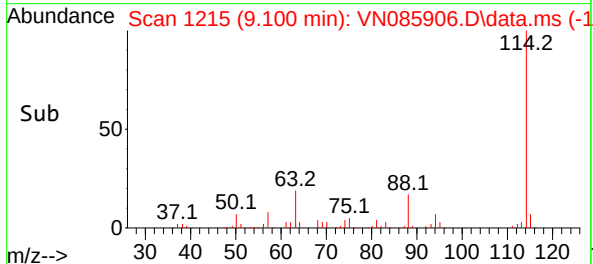
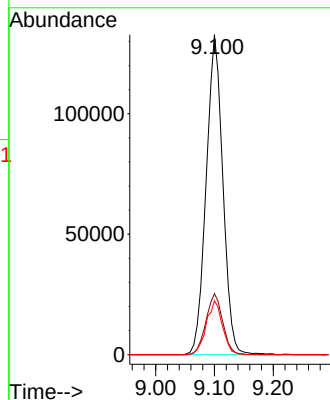
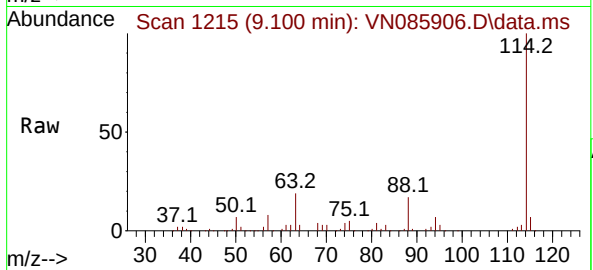
Tgt Ion:114 Resp: 262794

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.2

88 16.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.098 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085906.D

Acq: 06 Mar 2025 18:19

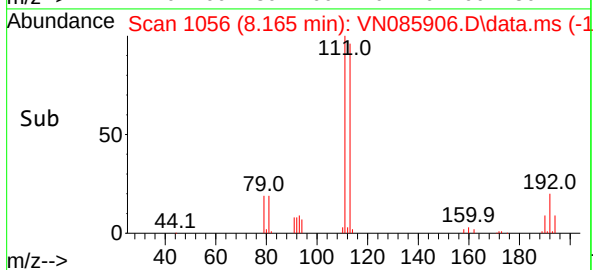
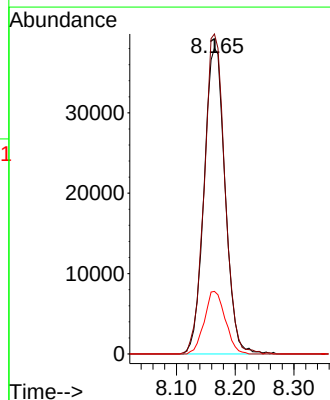
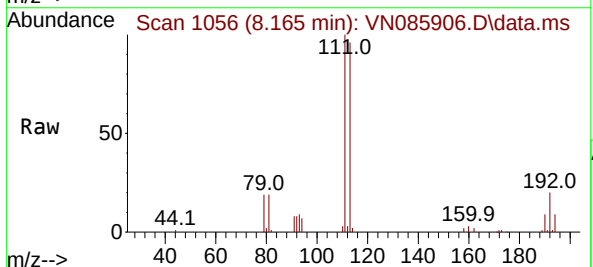
Tgt Ion:113 Resp: 94747

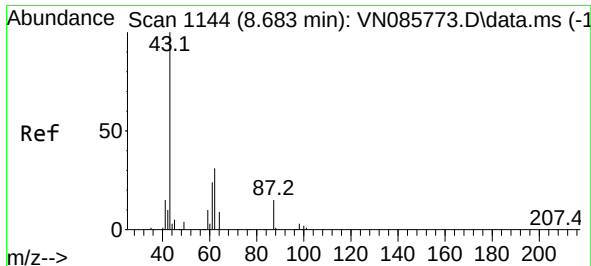
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 20.3 14.7 22.1

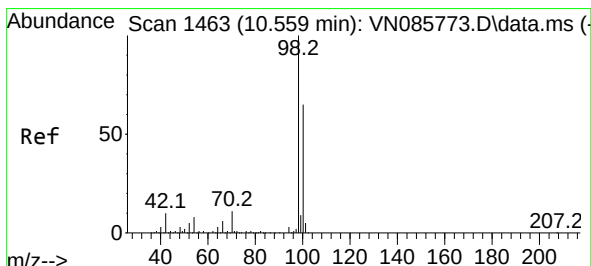
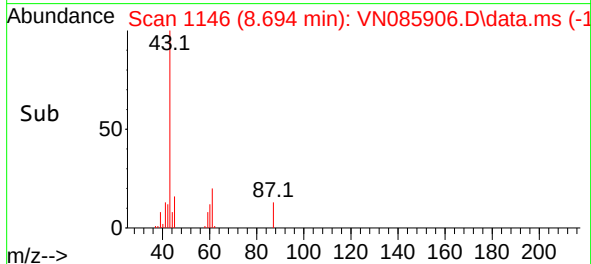
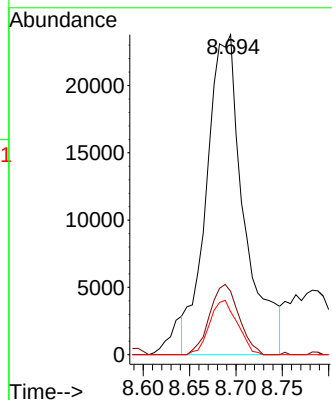
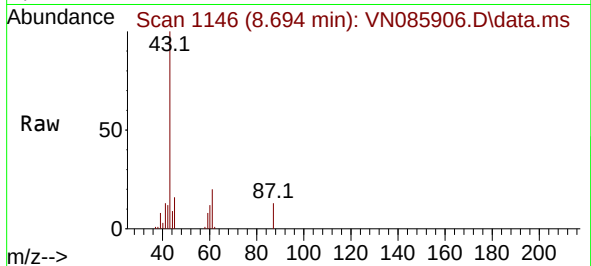




#43  
Isopropyl Acetate  
Concen: 18.653 ug/l m  
RT: 8.694 min Scan# 1144  
Delta R.T. 0.011 min  
Lab File: VN085906.D  
Acq: 06 Mar 2025 18:19

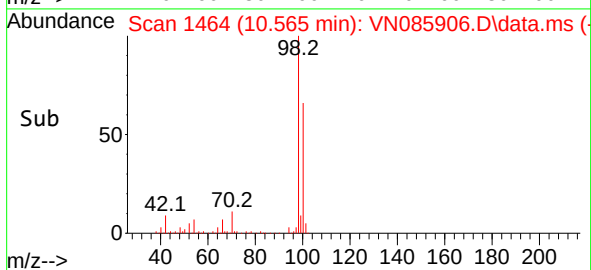
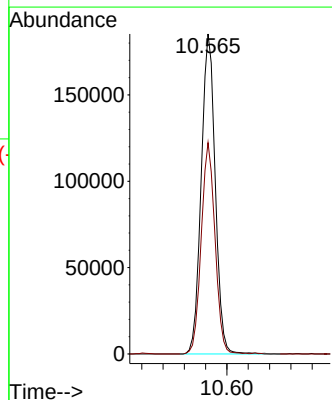
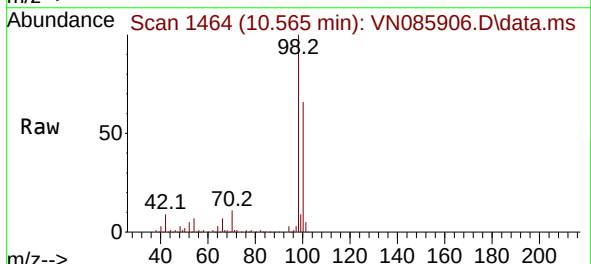
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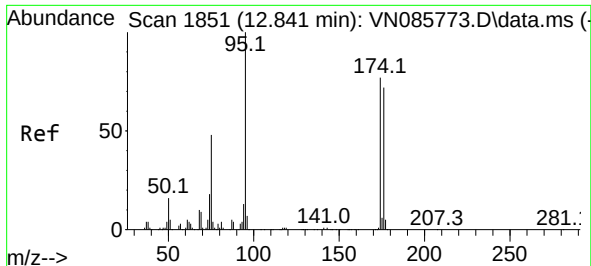
Tgt Ion: 43 Resp: 66768  
Ion Ratio Lower Upper  
43 100  
61 17.1 22.6 34.0#  
87 12.6 11.8 17.8



#50  
Toluene-d8  
Concen: 54.015 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN085906.D  
Acq: 06 Mar 2025 18:19

Tgt Ion: 98 Resp: 337943  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.1 78.1

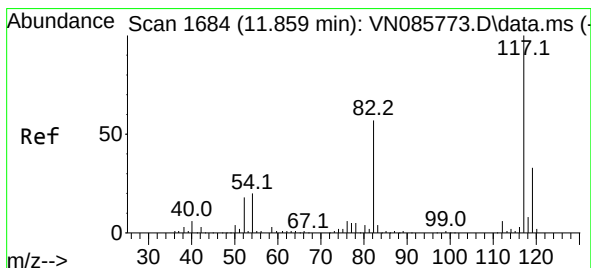
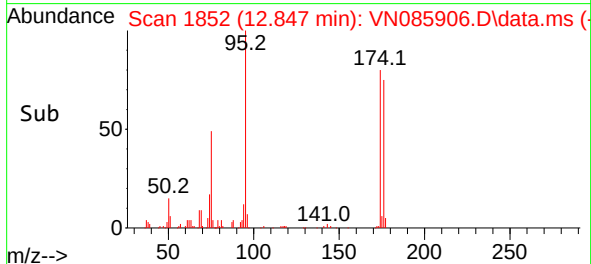
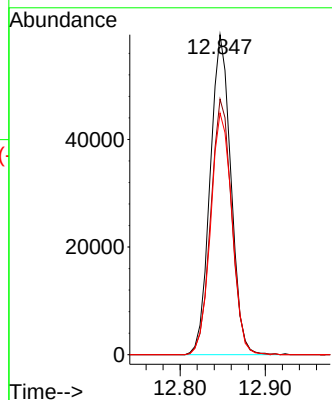
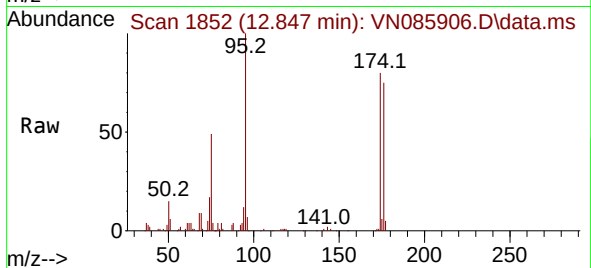




#62  
4-Bromofluorobenzene  
Concen: 48.826 ug/l  
RT: 12.847 min Scan# 1851  
Delta R.T. 0.006 min  
Lab File: VN085906.D  
Acq: 06 Mar 2025 18:19

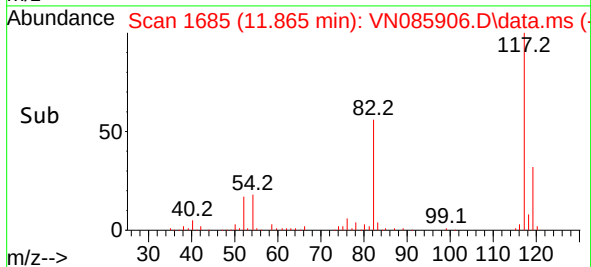
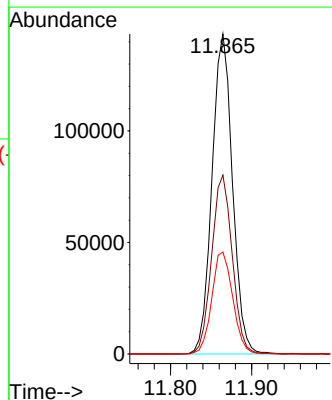
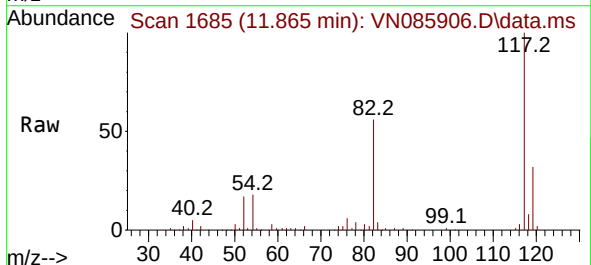
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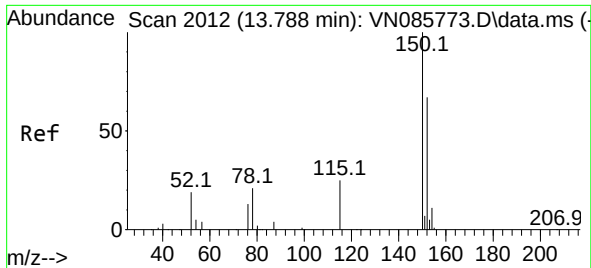
Tgt Ion: 95 Resp: 100647  
Ion Ratio Lower Upper  
95 100  
174 80.5 0.0 152.4  
176 77.8 0.0 146.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.006 min  
Lab File: VN085906.D  
Acq: 06 Mar 2025 18:19

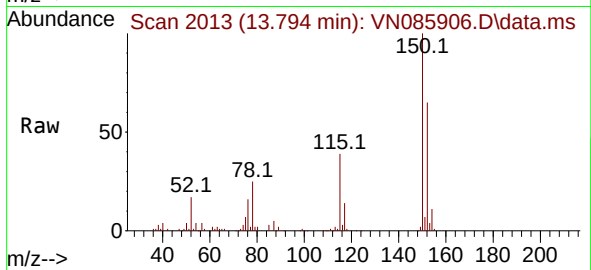
Tgt Ion: 117 Resp: 251407  
Ion Ratio Lower Upper  
117 100  
82 55.9 45.7 68.5  
119 31.9 26.2 39.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN085906.D  
 Acq: 06 Mar 2025 18:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB166989ZHE#08



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.4  | 30.4  | 91.3  |
| 150     | 157.2 | 0.0   | 345.4 |

