

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031325\  
 Data File : VN085979.D  
 Acq On : 13 Mar 2025 14:37  
 Operator : JC\MD  
 Sample : Q1547-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-620-JB-COMP-01

Quant Time: Mar 14 00:29:00 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

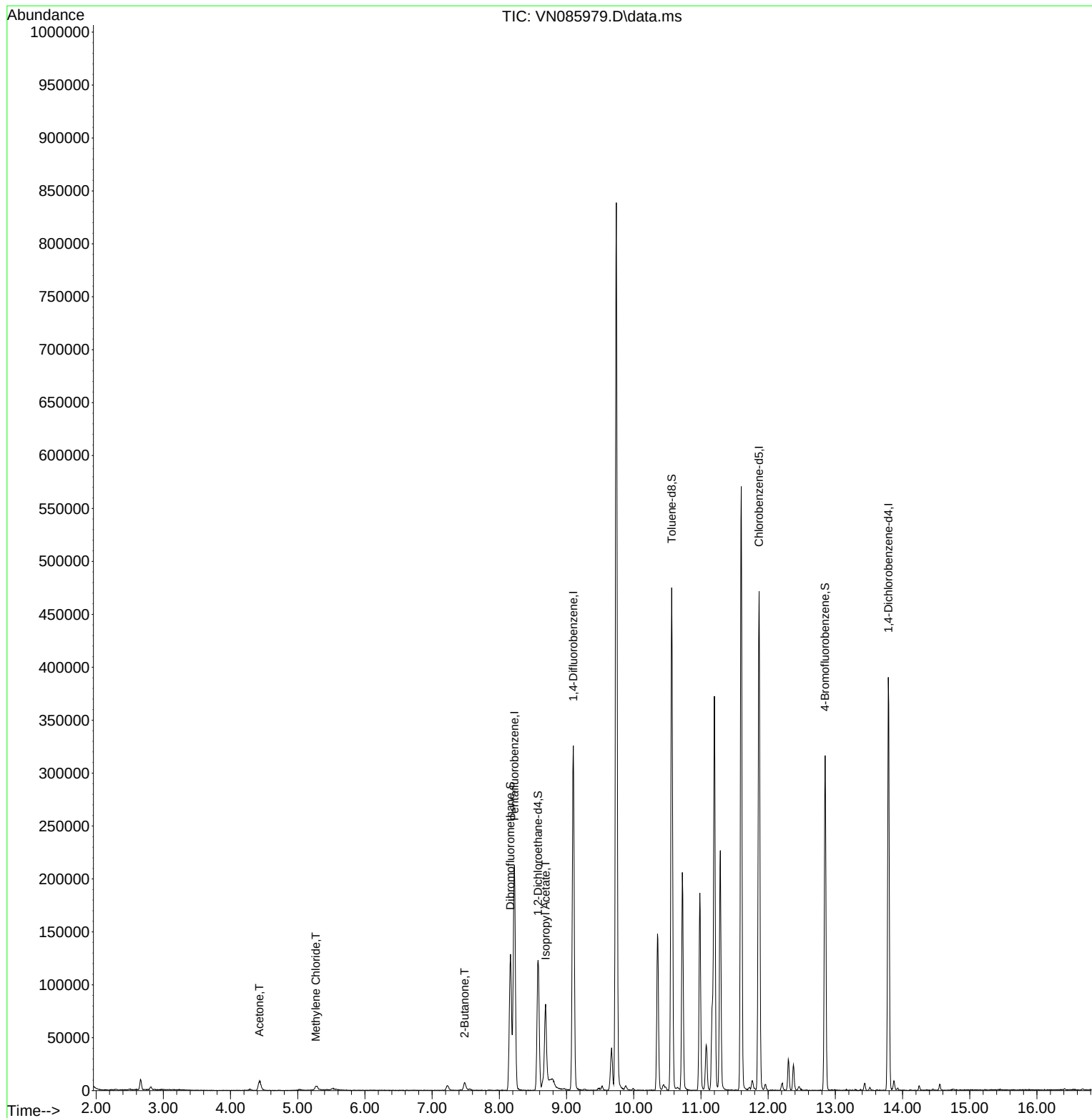
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 152286   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 282913   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 276553   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 107415   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 108507   | 54.959   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 109.920% |          |
| 35) Dibromofluoromethane    | 8.165  | 113   | 91028    | 49.171   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 98.340%  |          |
| 50) Toluene-d8              | 10.565 | 98    | 328648   | 48.794   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 97.580%  |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 111587   | 50.283   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 100.560% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.430  | 43    | 17538    | 28.074   | ug/l       | 100      |
| 20) Methylene Chloride      | 5.271  | 84    | 3409     | 1.697    | ug/l       | 92       |
| 25) 2-Butanone              | 7.483  | 43    | 11947    | 12.999   | ug/l       | 98       |
| 43) Isopropyl Acetate       | 8.688  | 43    | 91881    | 23.998   | ug/l #     | 87       |
| -----                       |        |       |          |          |            |          |

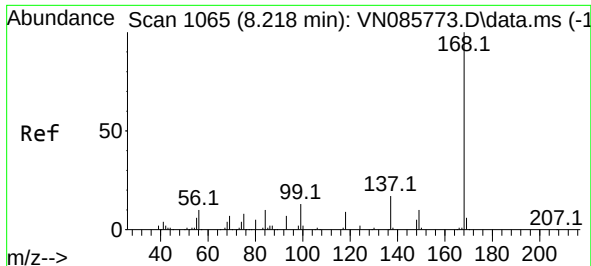
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 14 00:29:00 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

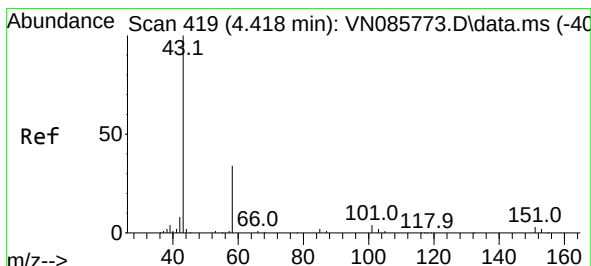
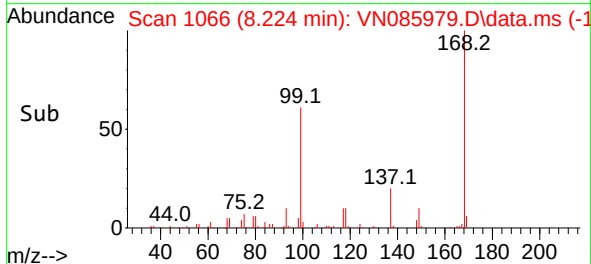
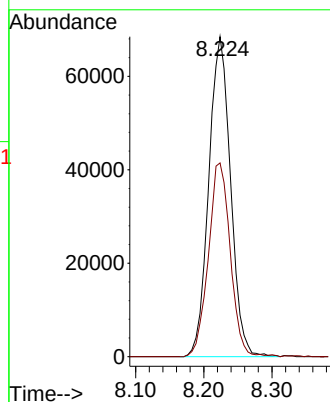
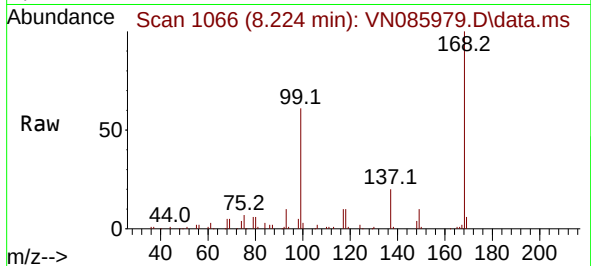




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085979.D  
Acq: 13 Mar 2025 14:37

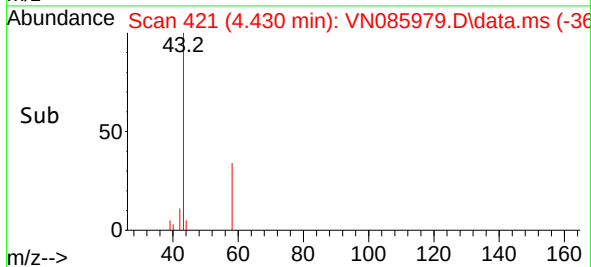
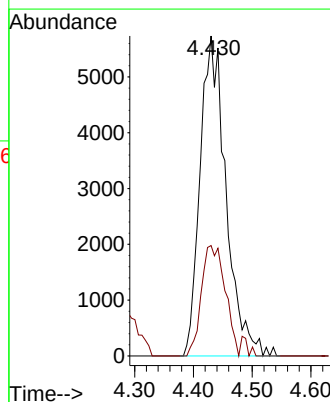
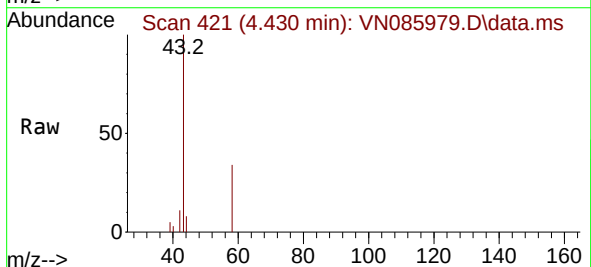
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-620-JB-COMP-01

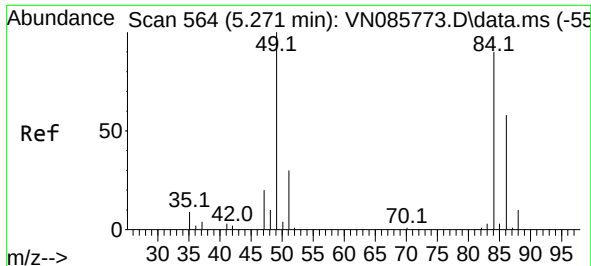
Tgt Ion:168 Resp: 152286  
Ion Ratio Lower Upper  
168 100  
99 60.5 47.9 71.9



#16  
Acetone  
Concen: 28.074 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN085979.D  
Acq: 13 Mar 2025 14:37

Tgt Ion: 43 Resp: 17538  
Ion Ratio Lower Upper  
43 100  
58 34.5 27.5 41.3

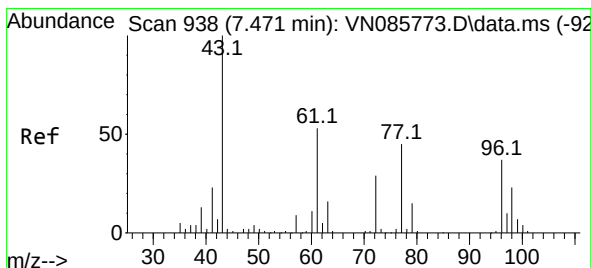
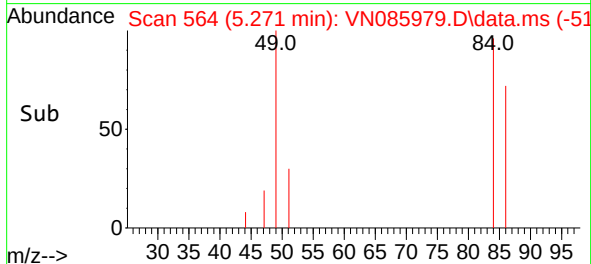
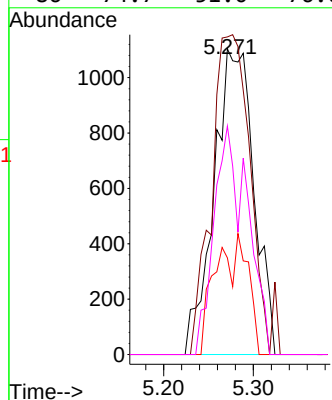
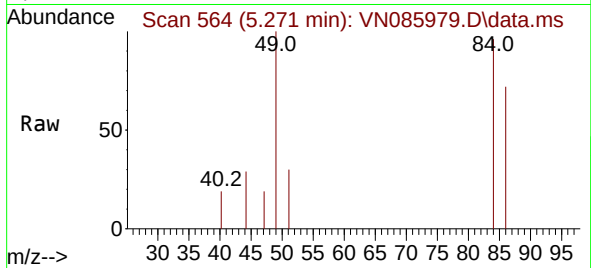




#20  
Methylene Chloride  
Concen: 1.697 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN085979.D  
Acq: 13 Mar 2025 14:37

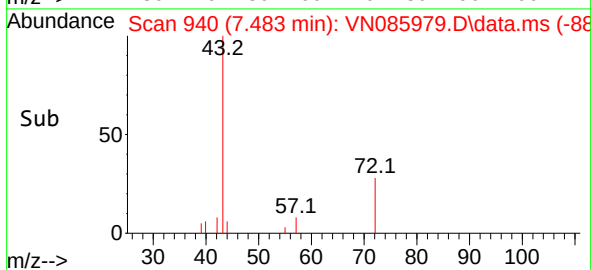
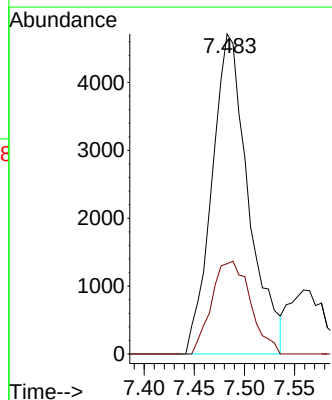
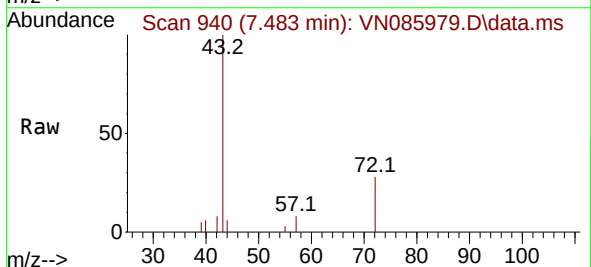
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-620-JB-COMP-01

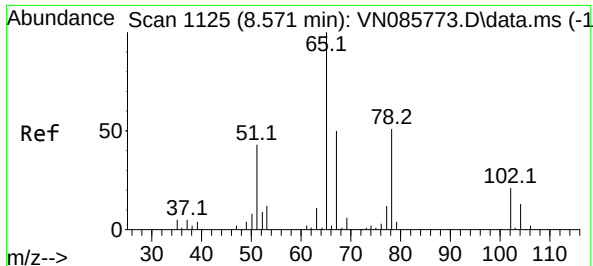
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 3409  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 103.9    | 88.4 132.6  |
| 51 31.6     | 26.6 40.0   |
| 86 74.7     | 51.0 76.6   |



#25  
2-Butanone  
Concen: 12.999 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.012 min  
Lab File: VN085979.D  
Acq: 13 Mar 2025 14:37

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 11947 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 72 28.2     | 23.6 35.4   |





#33

1,2-Dichloroethane-d4

Concen: 54.959 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085979.D

Acq: 13 Mar 2025 14:37

Instrument :

MSVOA\_N

ClientSampleId :

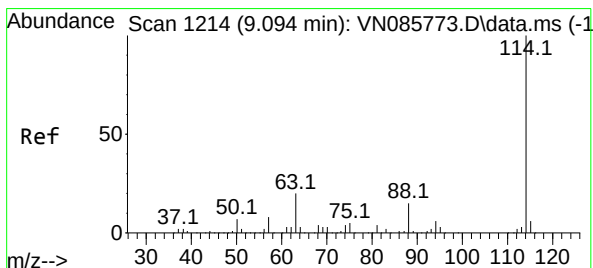
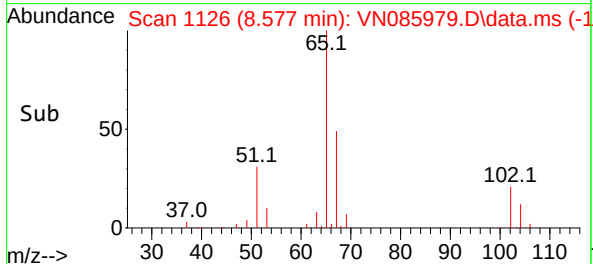
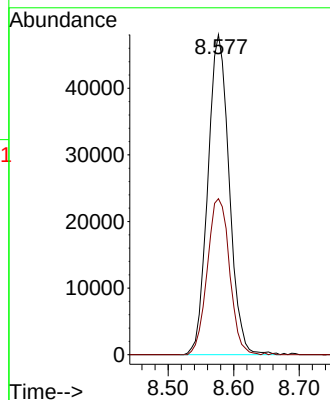
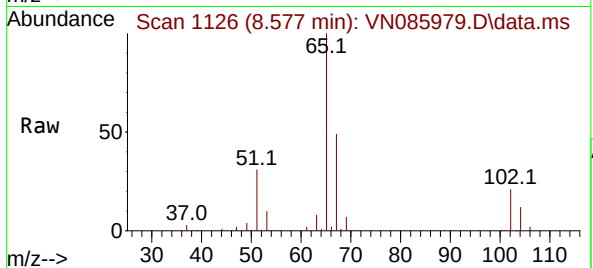
OR-620-JB-COMP-01

Tgt Ion: 65 Resp: 108507

Ion Ratio Lower Upper

65 100

67 50.8 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: VN085979.D

Acq: 13 Mar 2025 14:37

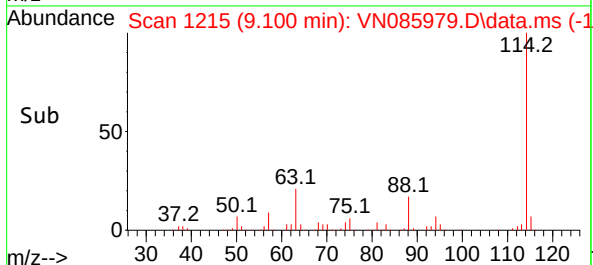
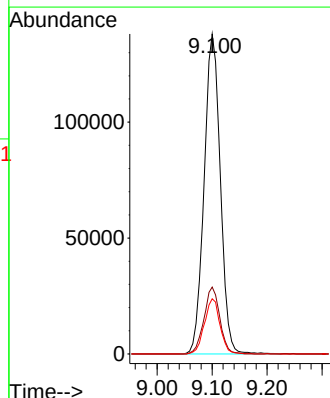
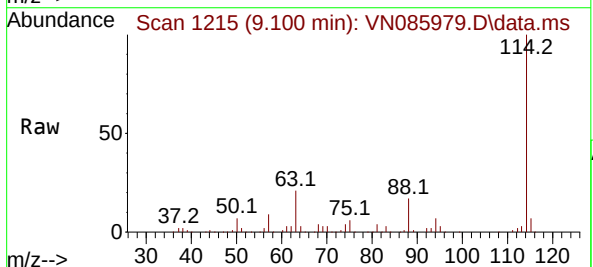
Tgt Ion: 114 Resp: 282913

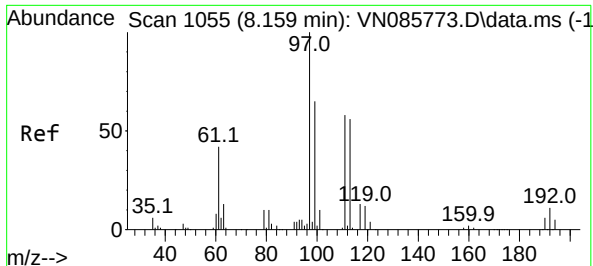
Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.2

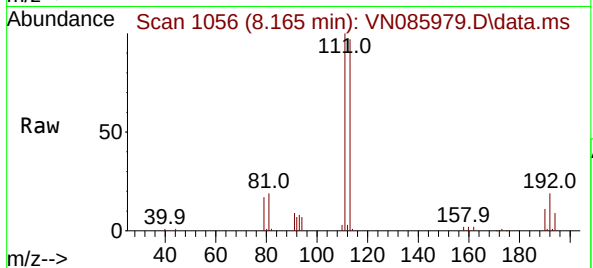
88 17.3 0.0 30.0



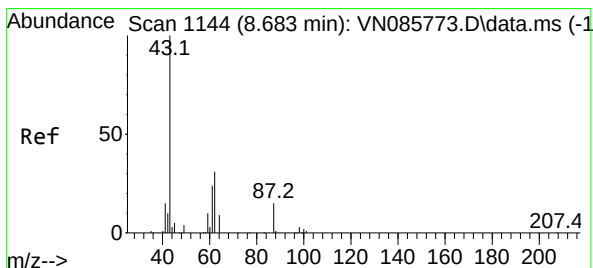
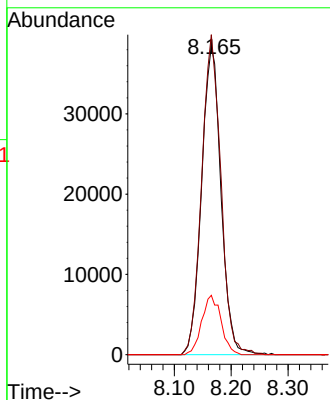
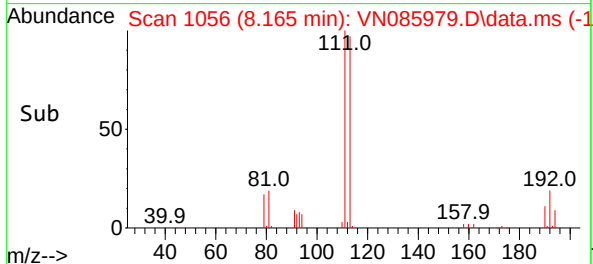


#35  
Dibromofluoromethane  
Concen: 49.171 ug/l  
RT: 8.165 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VN085979.D  
Acq: 13 Mar 2025 14:37

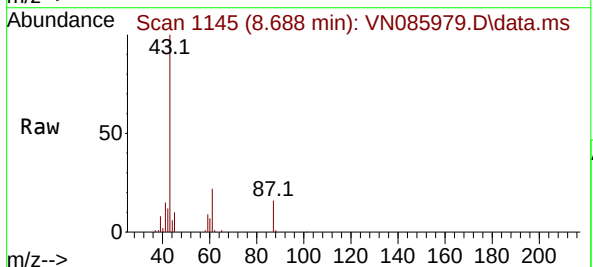
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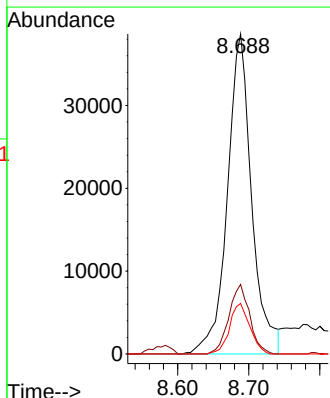
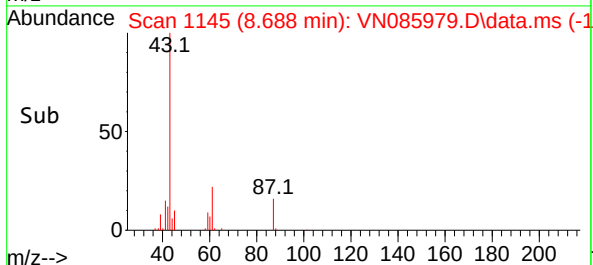
Tgt Ion:113 Resp: 91028  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.2 123.4  
192 19.1 14.7 22.1

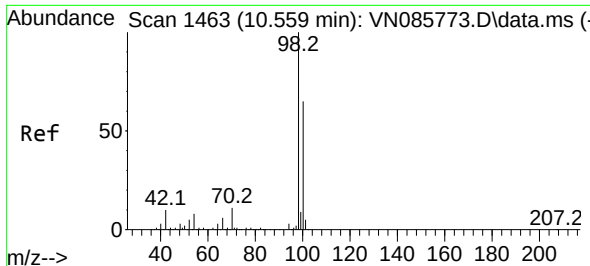


#43  
Isopropyl Acetate  
Concen: 23.998 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.005 min  
Lab File: VN085979.D  
Acq: 13 Mar 2025 14:37



Tgt Ion: 43 Resp: 91881  
Ion Ratio Lower Upper  
43 100  
61 18.6 22.6 34.0#  
87 13.2 11.8 17.8

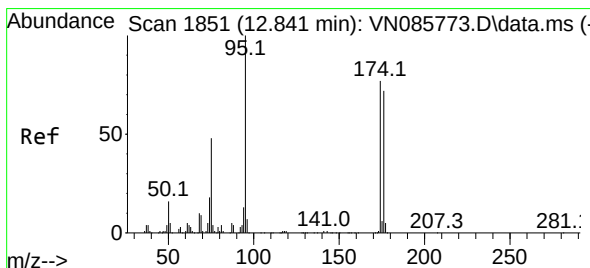
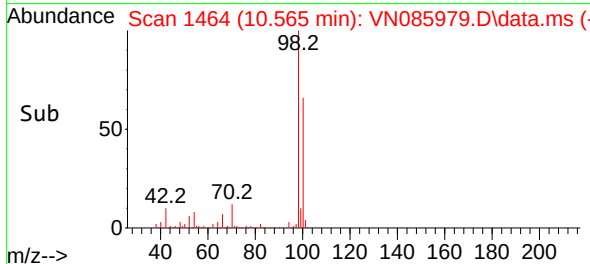
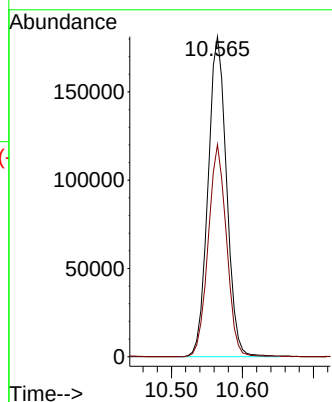
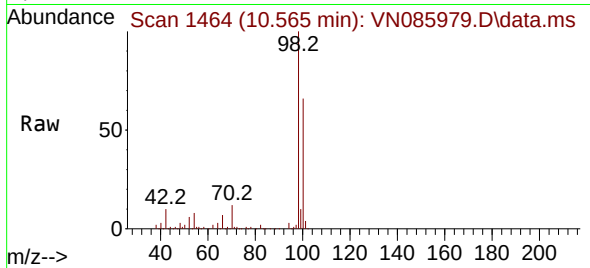




#50  
Toluene-d8  
Concen: 48.794 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN085979.D  
Acq: 13 Mar 2025 14:37

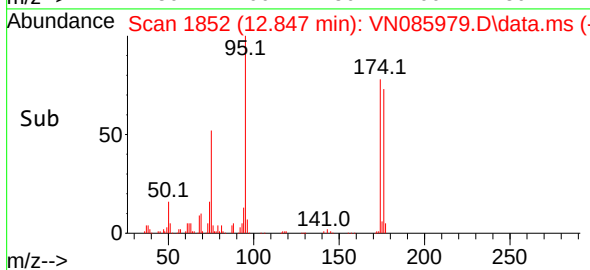
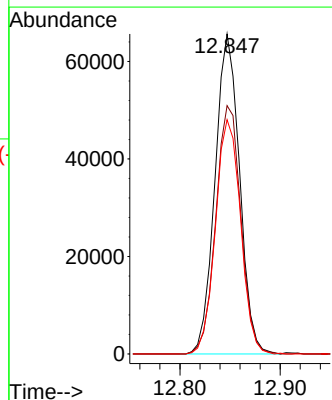
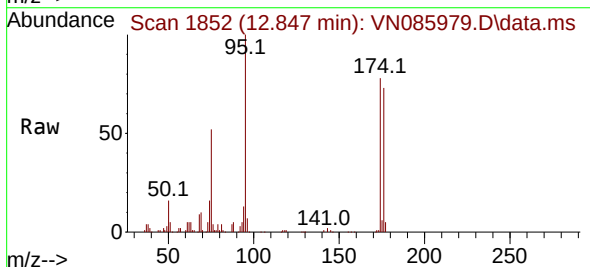
Instrument :  
MSVOA\_N  
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OR-620-JB-COMP-01

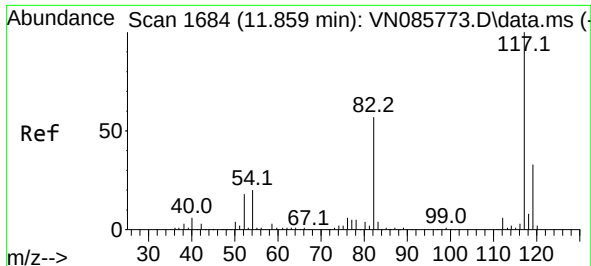
Tgt Ion: 98 Resp: 328648  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 50.283 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.006 min  
Lab File: VN085979.D  
Acq: 13 Mar 2025 14:37

Tgt Ion: 95 Resp: 111587  
Ion Ratio Lower Upper  
95 100  
174 79.4 0.0 152.4  
176 74.9 0.0 146.6

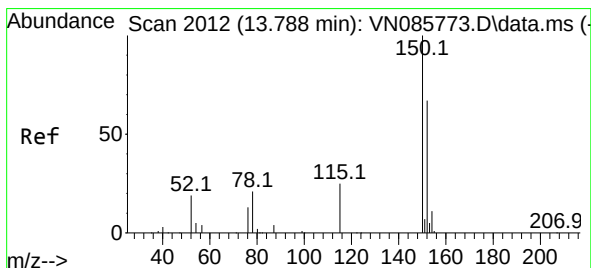
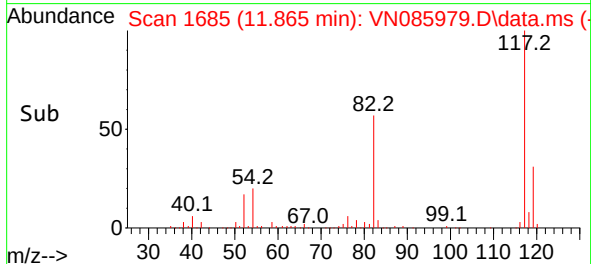
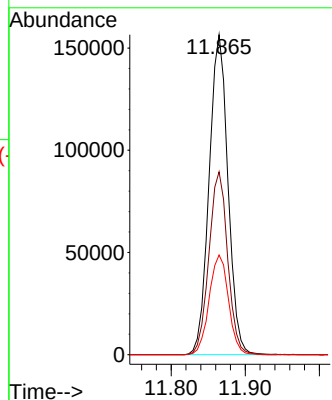
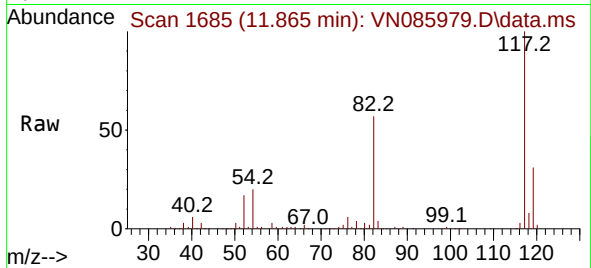




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN085979.D  
Acq: 13 Mar 2025 14:37

Instrument :  
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ClientSampleId :  
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Tgt Ion:117 Resp: 276553  
Ion Ratio Lower Upper  
117 100  
82 57.2 45.7 68.5  
119 31.1 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: VN085979.D  
Acq: 13 Mar 2025 14:37

Tgt Ion:152 Resp: 107415  
Ion Ratio Lower Upper  
152 100  
115 60.9 30.4 91.3  
150 156.0 0.0 345.4

