

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020325\  
 Data File : VN085628.D  
 Acq On : 03 Feb 2025 17:37  
 Operator : JC\MD  
 Sample : PB166424ZHE#07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB166424ZHE#07

Quant Time: Feb 04 00:59:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

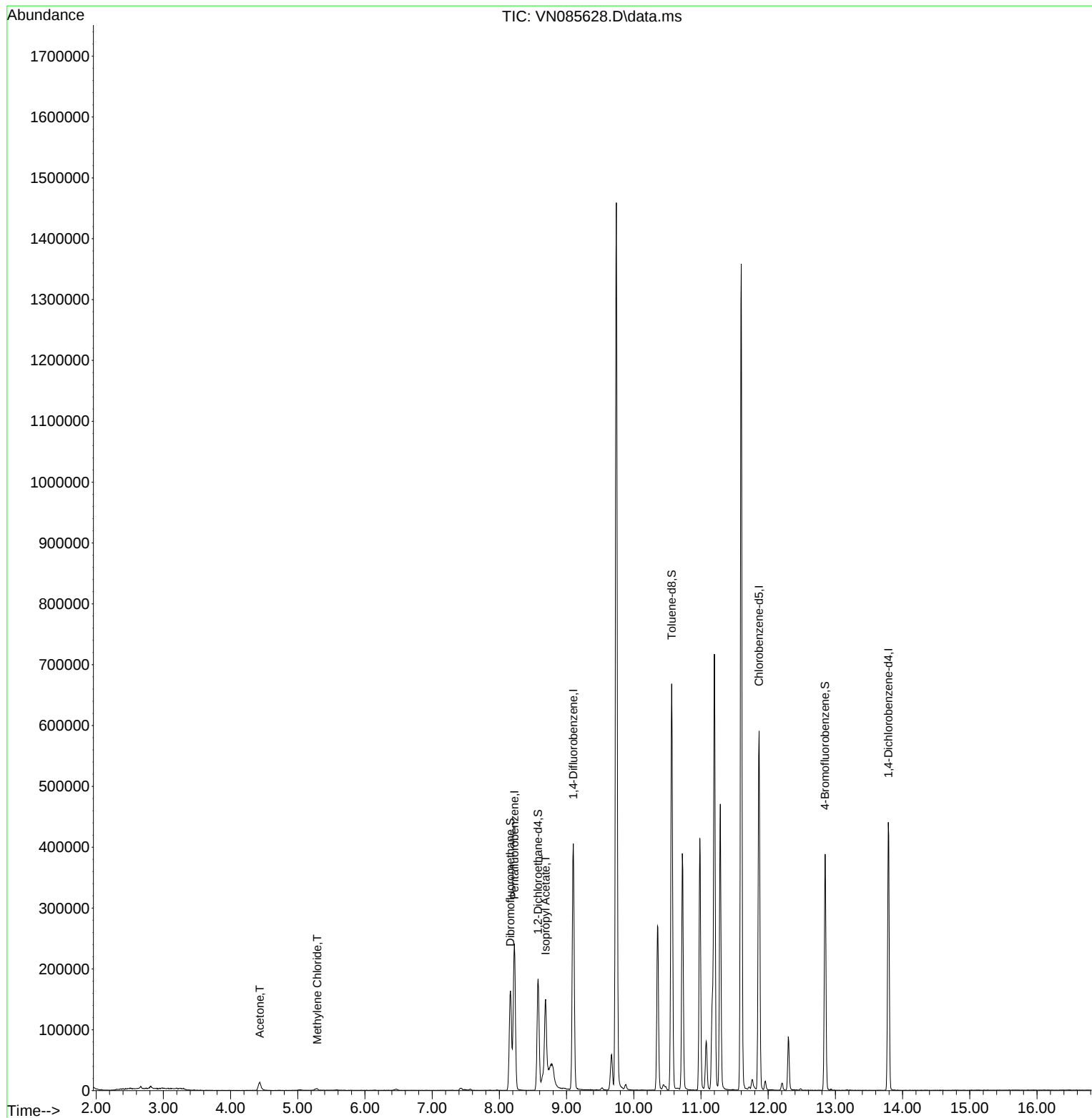
| Compound                    | R.T. QIon      |     | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|----------------|-----|----------|------------|--------|----------|
| -----                       |                |     |          |            |        |          |
| Internal Standards          |                |     |          |            |        |          |
| 1) Pentafluorobenzene       | 8.224          | 168 | 168137   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114 | 346173   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117 | 335809   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788         | 152 | 116733   | 50.000     | ug/l   | 0.00     |
|                             |                |     |          |            |        |          |
| System Monitoring Compounds |                |     |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65  | 144437   | 53.218     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |     | Recovery | = 106.440% |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113 | 118456   | 49.324     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |     | Recovery | = 98.640%  |        |          |
| 50) Toluene-d8              | 10.565         | 98  | 459262   | 53.823     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |     | Recovery | = 107.640% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95  | 127760   | 43.771     | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |     | Recovery | = 87.540%  |        |          |
|                             |                |     |          |            |        |          |
| Target Compounds            |                |     |          |            |        | Qvalue   |
| 16) Acetone                 | 4.436          | 43  | 25309    | 28.860     | ug/l   | 96       |
| 20) Methylene Chloride      | 5.289          | 84  | 2179     | 1.004      | ug/l # | 67       |
| 43) Isopropyl Acetate       | 8.688          | 43  | 188038   | 34.494     | ug/l # | 83       |
| -----                       |                |     |          |            |        |          |

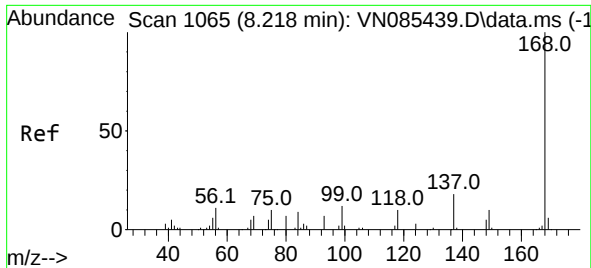
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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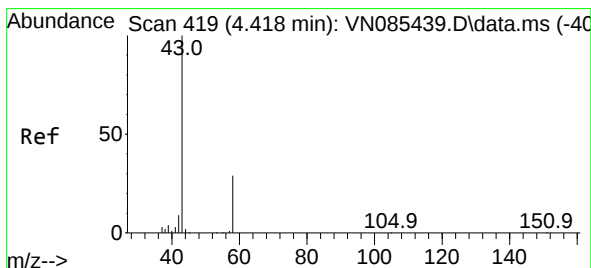
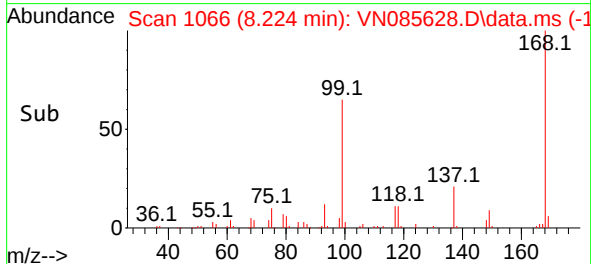
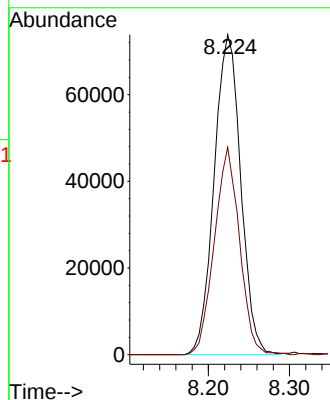
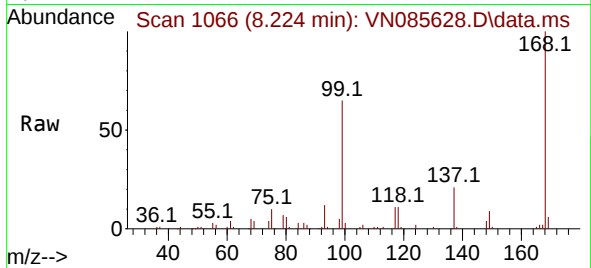




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085628.D  
Acq: 03 Feb 2025 17:37

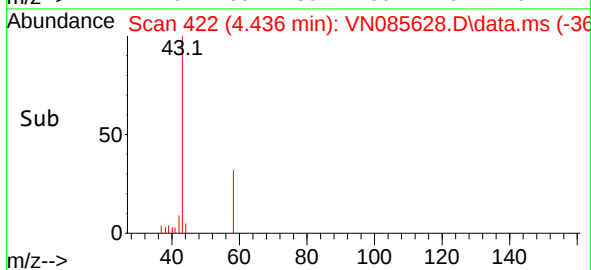
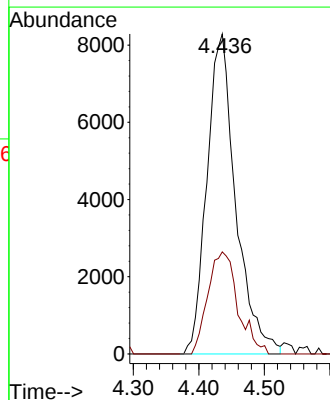
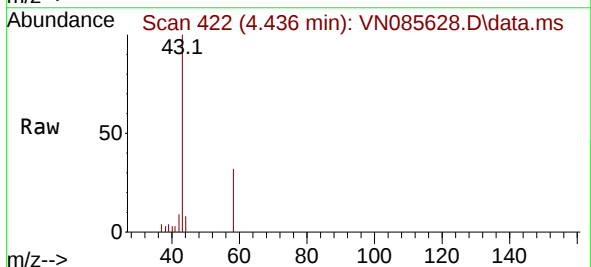
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166424ZHE#07

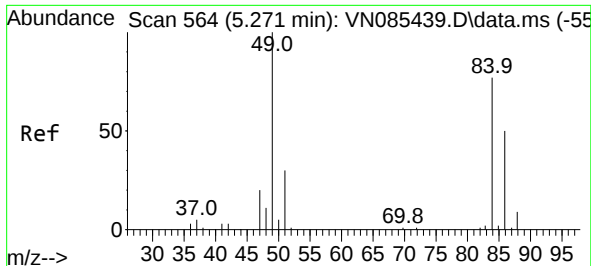
Tgt Ion:168 Resp: 168137  
Ion Ratio Lower Upper  
168 100  
99 64.8 53.6 80.4



#16  
Acetone  
Concen: 28.860 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.018 min  
Lab File: VN085628.D  
Acq: 03 Feb 2025 17:37

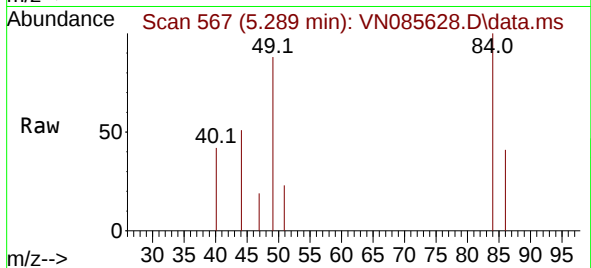
Tgt Ion: 43 Resp: 25309  
Ion Ratio Lower Upper  
43 100  
58 31.9 23.8 35.6



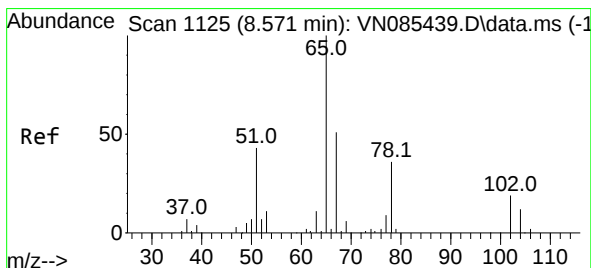
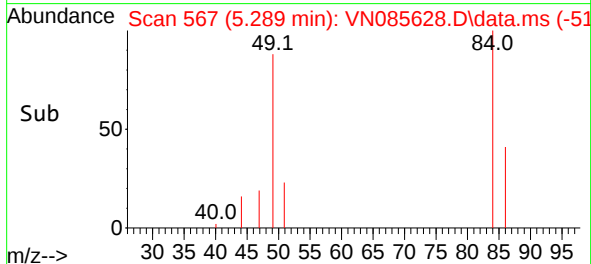
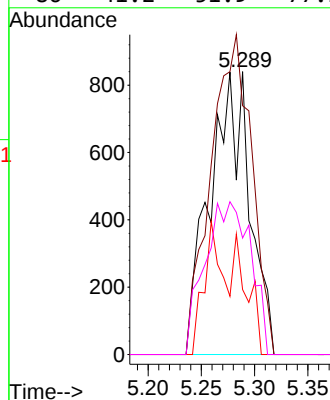


#20  
Methylene Chloride  
Concen: 1.004 ug/l  
RT: 5.289 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VN085628.D  
Acq: 03 Feb 2025 17:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166424ZHE#07

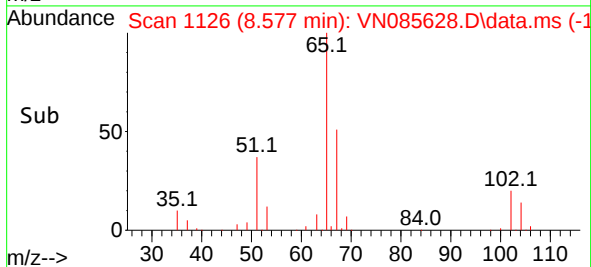
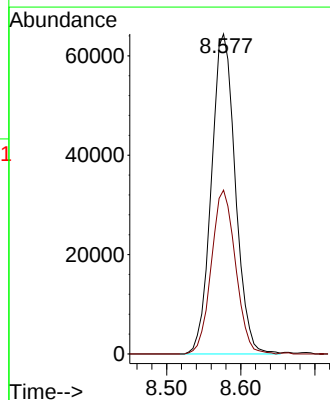
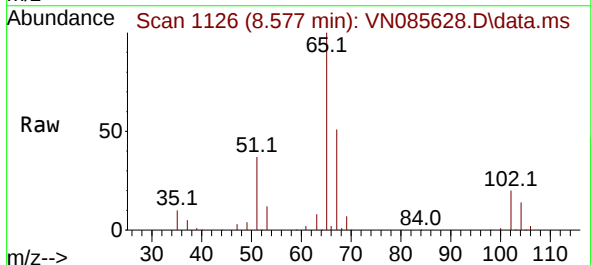


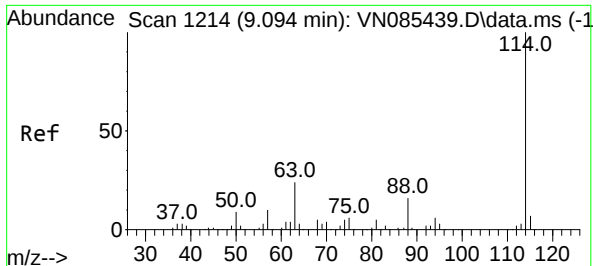
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 2179   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 88.0  | 104.1 | 156.1# |
| 51       | 23.0  | 31.0  | 46.4#  |
| 86       | 41.2  | 51.9  | 77.9#  |



#33  
1,2-Dichloroethane-d4  
Concen: 53.218 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085628.D  
Acq: 03 Feb 2025 17:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 144437 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.8  | 0.0   | 101.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085628.D

Acq: 03 Feb 2025 17:37

Instrument :

MSVOA\_N

ClientSampleId :

PB166424ZHE#07

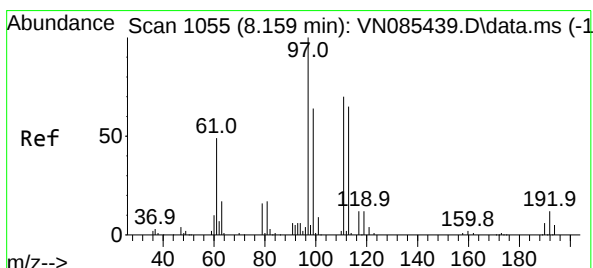
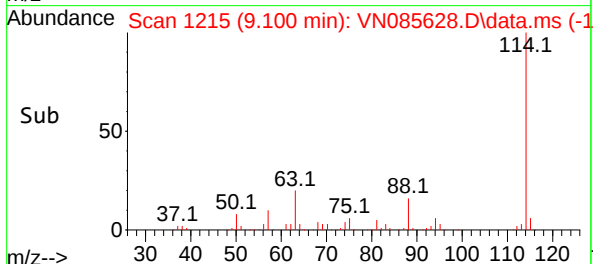
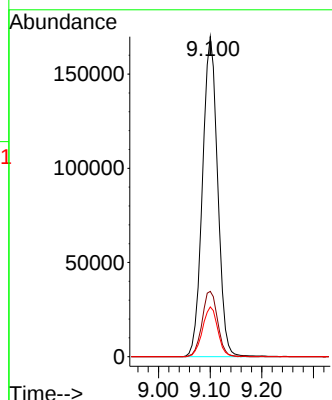
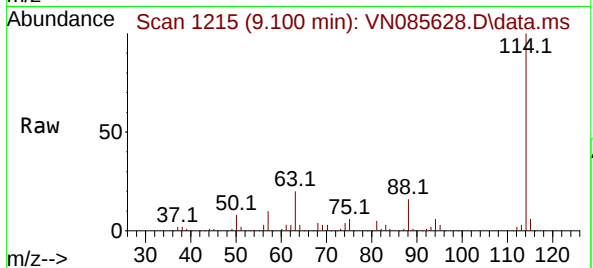
Tgt Ion:114 Resp: 346173

Ion Ratio Lower Upper

114 100

63 20.4 0.0 47.6

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.324 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085628.D

Acq: 03 Feb 2025 17:37

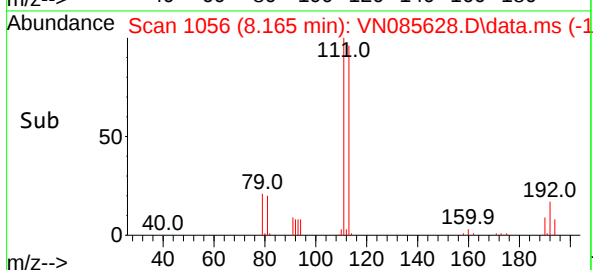
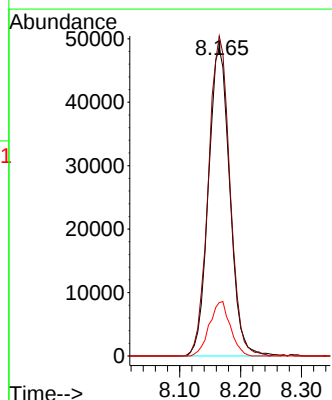
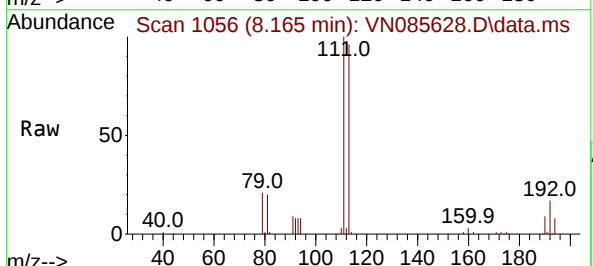
Tgt Ion:113 Resp: 118456

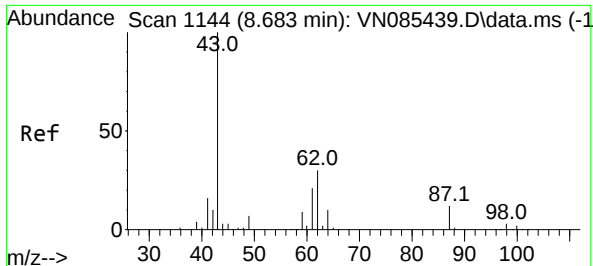
Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

192 17.2 14.3 21.5

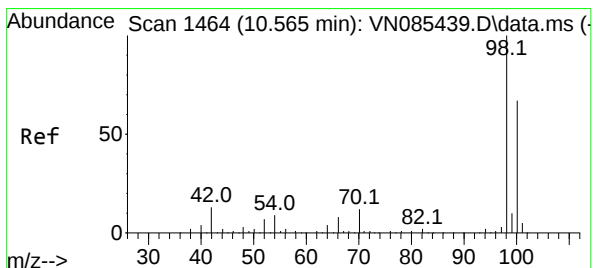
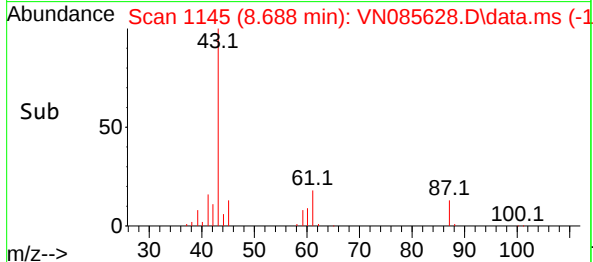
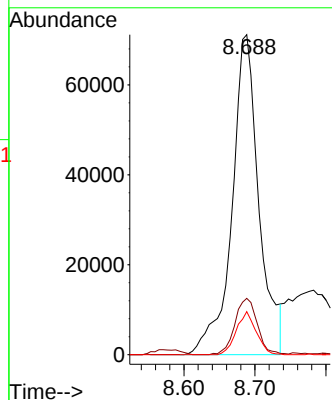
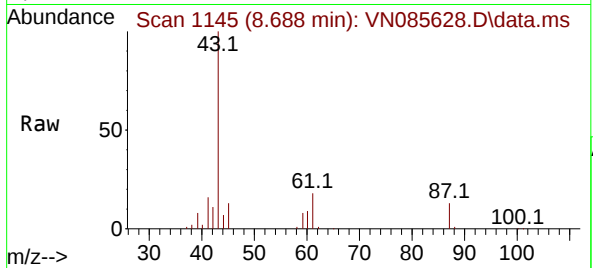




#43  
Isopropyl Acetate  
Concen: 34.494 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VN085628.D  
Acq: 03 Feb 2025 17:37

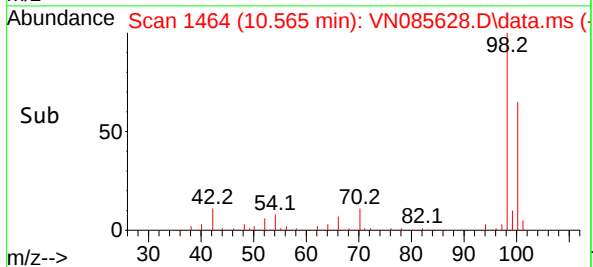
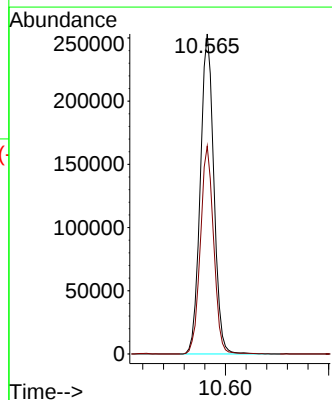
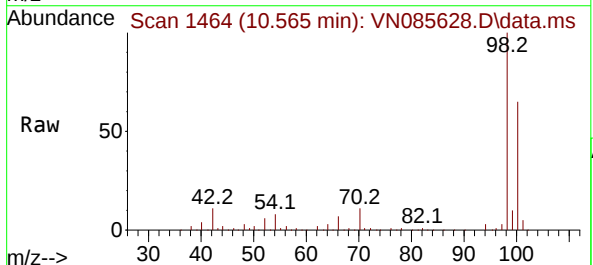
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166424ZHE#07

Tgt Ion: 43 Resp: 188038  
Ion Ratio Lower Upper  
43 100  
61 14.7 20.7 31.1#  
87 9.9 9.8 14.8



#50  
Toluene-d8  
Concen: 53.823 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN085628.D  
Acq: 03 Feb 2025 17:37

Tgt Ion: 98 Resp: 459262  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.2 78.4

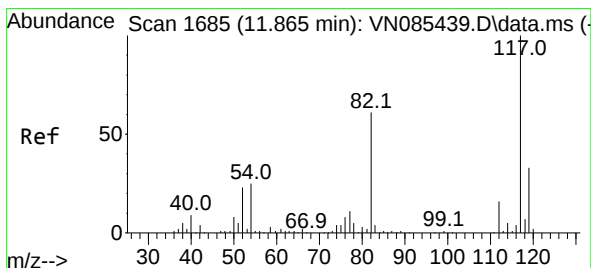
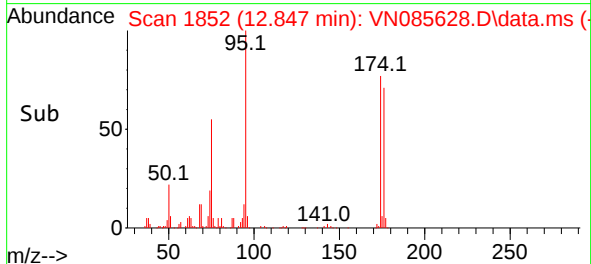
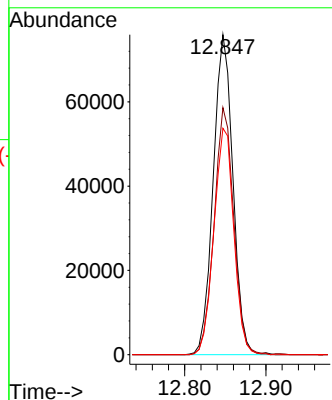
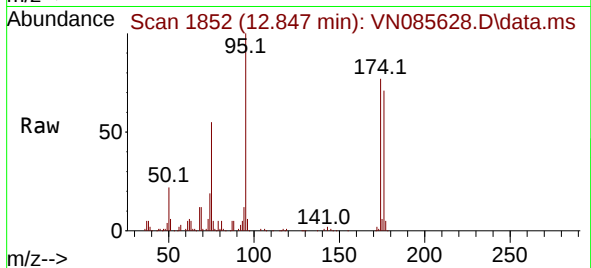




#62  
4-Bromofluorobenzene  
Concen: 43.771 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085628.D  
Acq: 03 Feb 2025 17:37

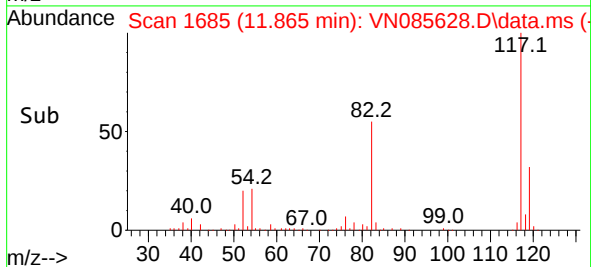
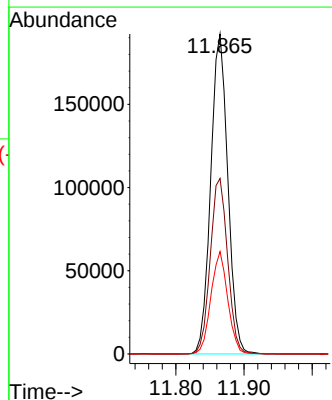
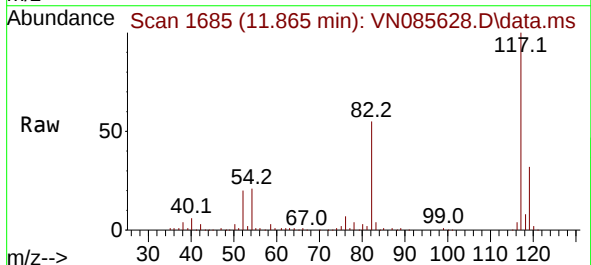
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166424ZHE#07

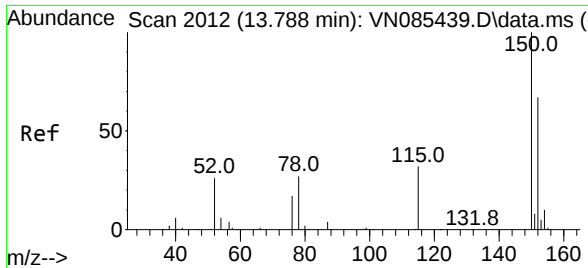
Tgt Ion: 95 Resp: 127760  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 145.0  
176 71.9 0.0 142.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN085628.D  
Acq: 03 Feb 2025 17:37

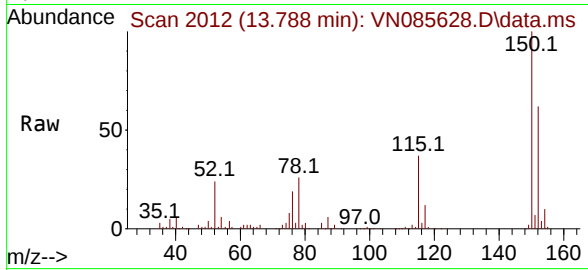
Tgt Ion: 117 Resp: 335809  
Ion Ratio Lower Upper  
117 100  
82 54.8 48.6 72.8  
119 32.0 26.6 39.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN085628.D  
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Tgt Ion:152 Resp: 116733  
 Ion Ratio Lower Upper  
 152 100  
 115 61.5 31.1 93.3  
 150 159.0 0.0 343.6

