

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011224\  
 Data File : VN080691.D  
 Acq On : 12 Jan 2024 15:44  
 Operator : JC\MD  
 Sample : PB158389ZHE#04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB158389ZHE#04

Quant Time: Jan 12 22:14:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 06:34:36 2024  
 Response via : Initial Calibration

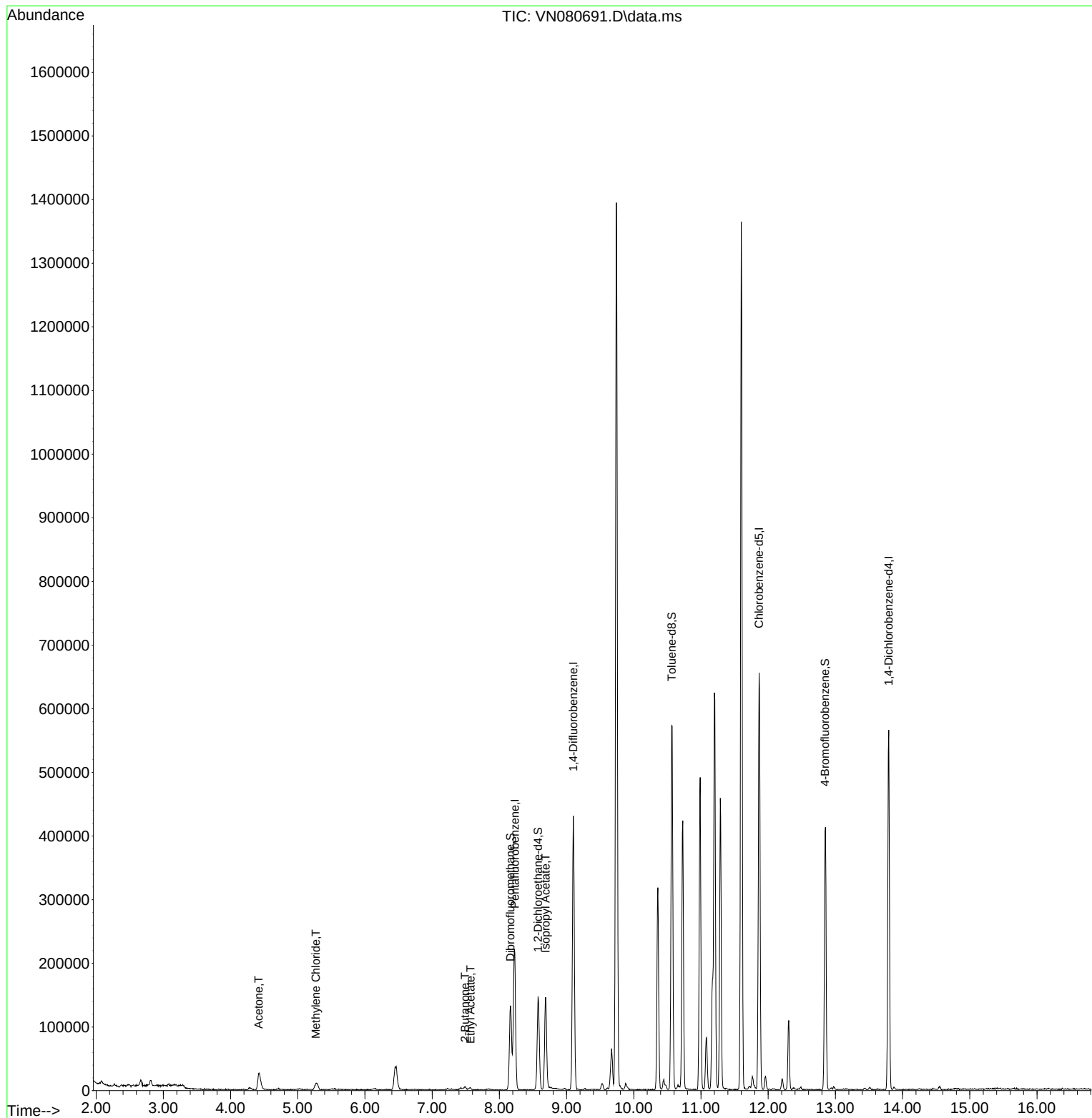
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 149367   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 338846   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 341667   | 50.000   | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 133488   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 110829   | 42.252   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 84.500%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 92810    | 48.207   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 96.420%  |
| 50) Toluene-d8              | 10.565 | 98    | 388884   | 52.974   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 105.940% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 150926   | 53.612   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 107.220% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.418  | 43    | 49496    | 57.476   | ug/l # | 84       |
| 20) Methylene Chloride      | 5.271  | 84    | 7438     | 2.959    | ug/l # | 88       |
| 25) 2-Butanone              | 7.488  | 43    | 8659     | 5.563    | ug/l # | 69       |
| 37) Ethyl Acetate           | 7.571  | 43    | 4833     | 1.264    | ug/l # | 83       |
| 43) Isopropyl Acetate       | 8.688  | 43    | 174802   | 24.867   | ug/l # | 80       |
| -----                       |        |       |          |          |        |          |

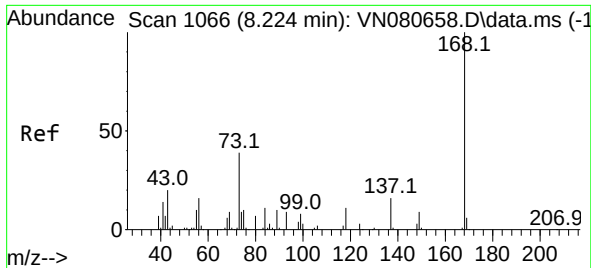
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 11 06:34:36 2024  
Response via : Initial Calibration

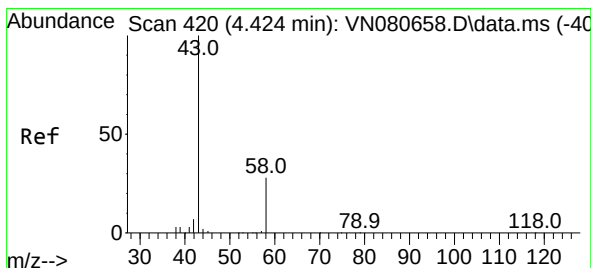
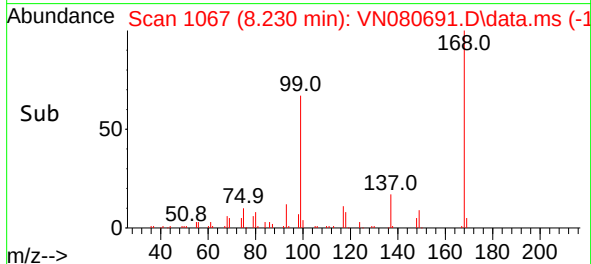
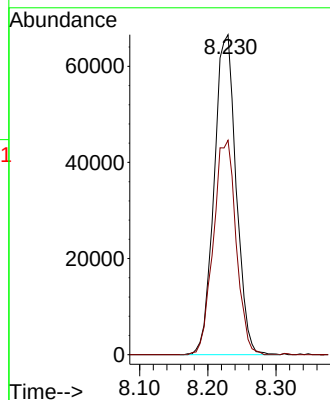
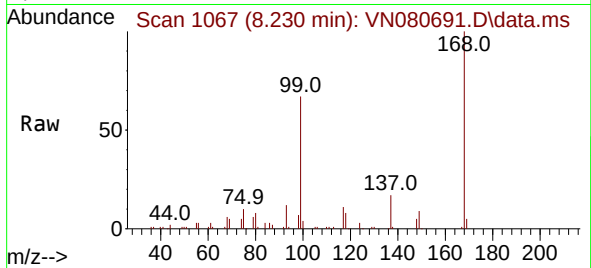




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN080691.D  
Acq: 12 Jan 2024 15:44

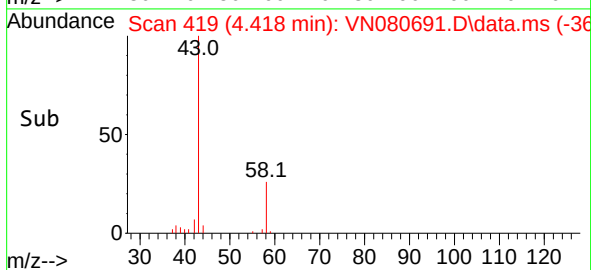
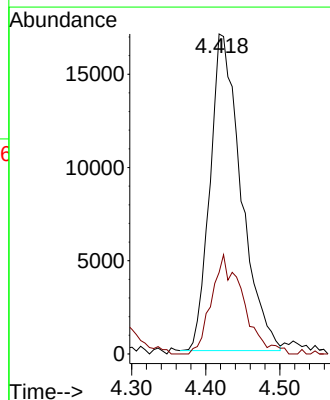
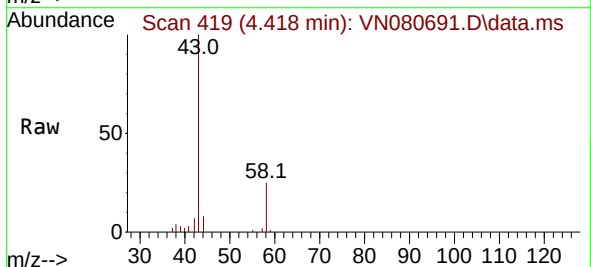
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB158389ZHE#04

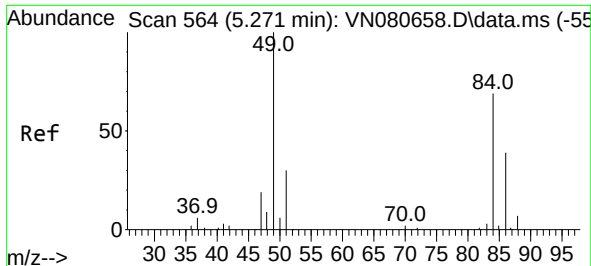
Tgt Ion:168 Resp: 149367  
Ion Ratio Lower Upper  
168 100  
99 67.0 53.0 79.6



#16  
Acetone  
Concen: 57.476 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. -0.006 min  
Lab File: VN080691.D  
Acq: 12 Jan 2024 15:44

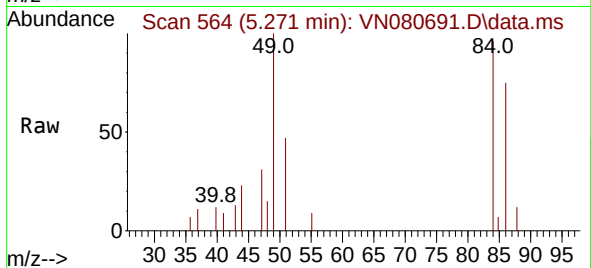
Tgt Ion: 43 Resp: 49496  
Ion Ratio Lower Upper  
43 100  
58 25.7 28.0 42.0#



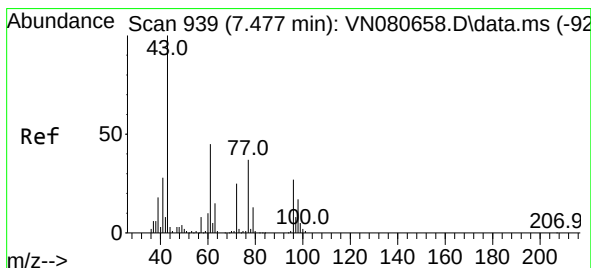
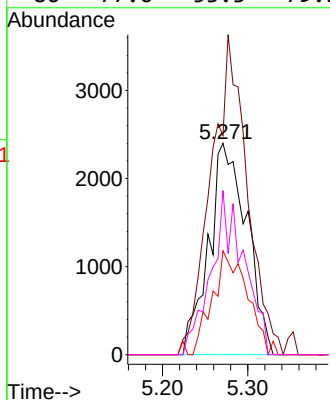


#20  
Methylene Chloride  
Concen: 2.959 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN080691.D  
Acq: 12 Jan 2024 15:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB158389ZHE#04

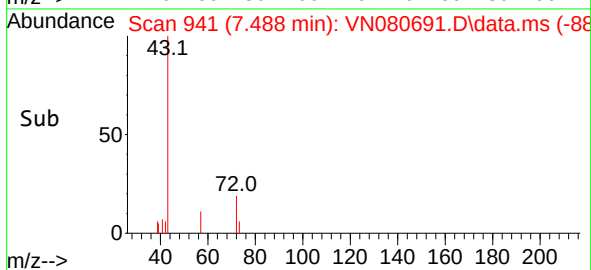
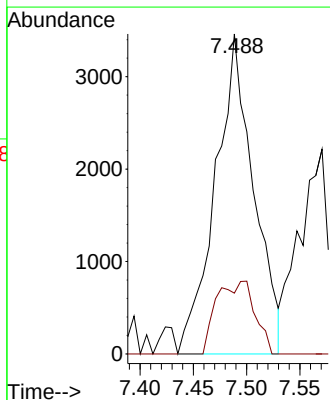
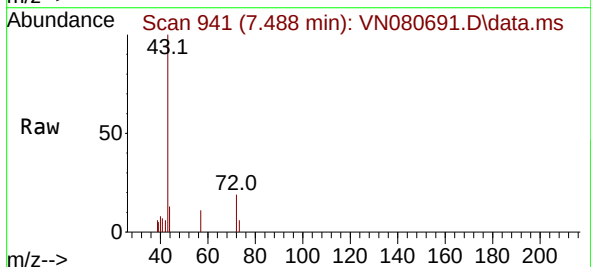


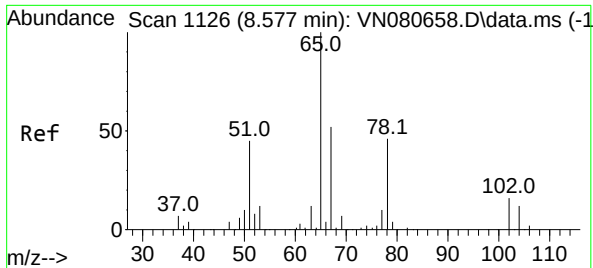
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 7438  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 103.8 | 79.7  | 119.5 |
| 51       | 49.2  | 25.2  | 37.8# |
| 86       | 77.6  | 53.3  | 79.9  |



#25  
2-Butanone  
Concen: 5.563 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.012 min  
Lab File: VN080691.D  
Acq: 12 Jan 2024 15:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8659  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 19.0  | 30.2  | 45.2# |





#33

1,2-Dichloroethane-d4

Concen: 42.252 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

Instrument :

MSVOA\_N

ClientSampleId :

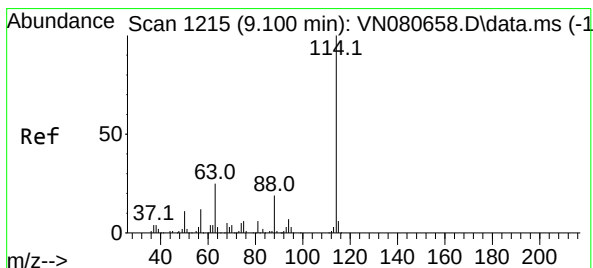
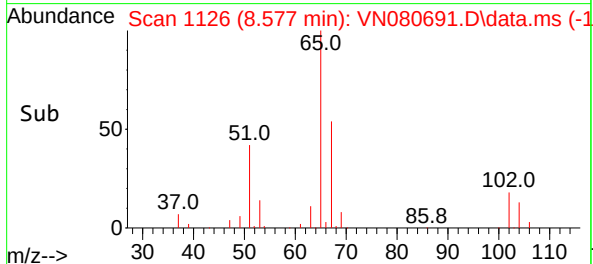
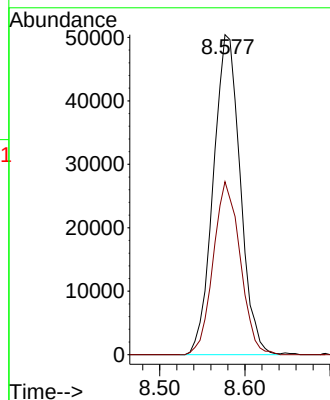
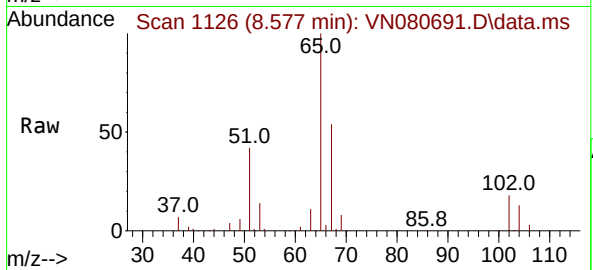
PB158389ZHE#04

Tgt Ion: 65 Resp: 110829

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

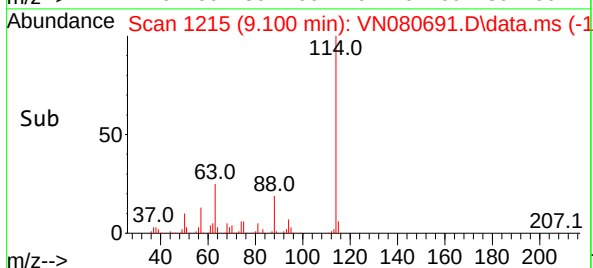
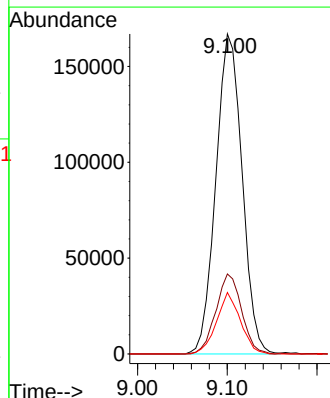
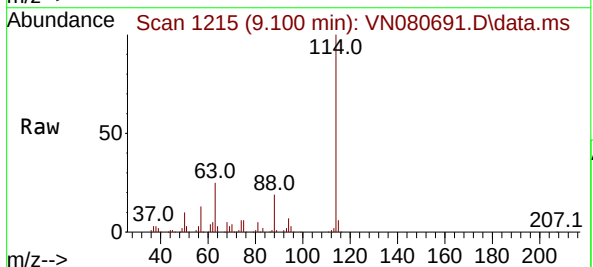
Tgt Ion: 114 Resp: 338846

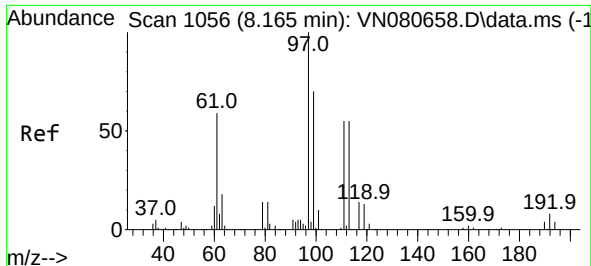
Ion Ratio Lower Upper

114 100

63 25.0 0.0 36.4

88 19.2 0.0 30.6

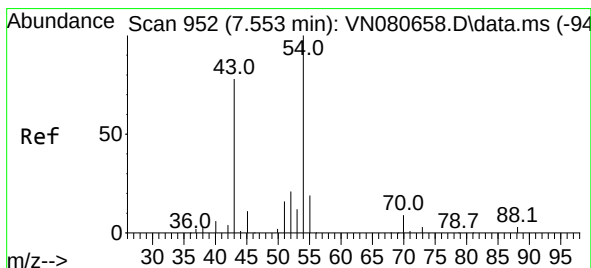
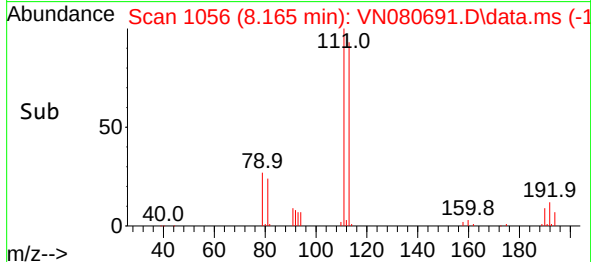
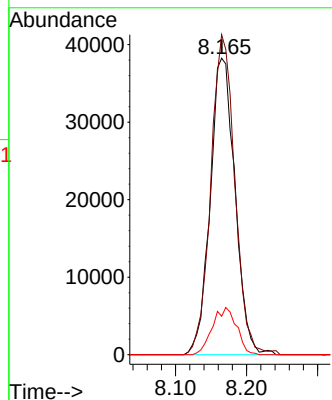
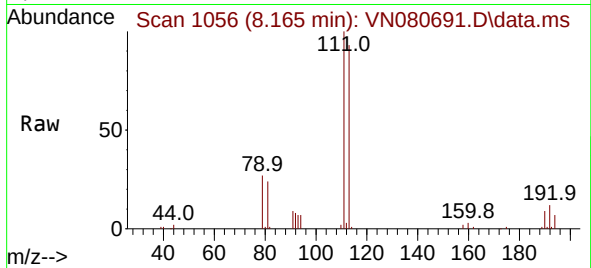




#35  
Dibromofluoromethane  
Concen: 48.207 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN080691.D  
Acq: 12 Jan 2024 15:44

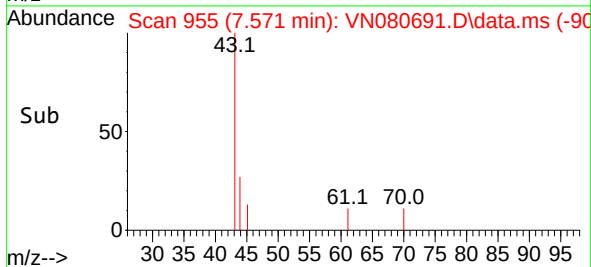
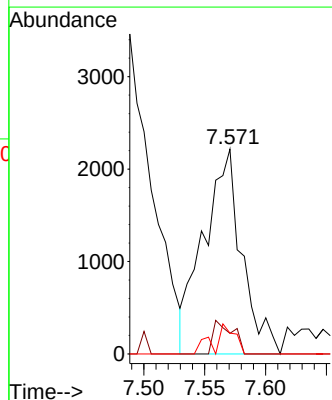
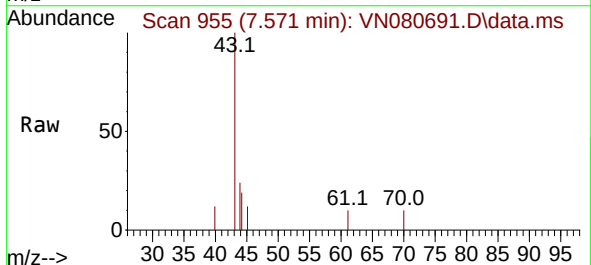
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB158389ZHE#04

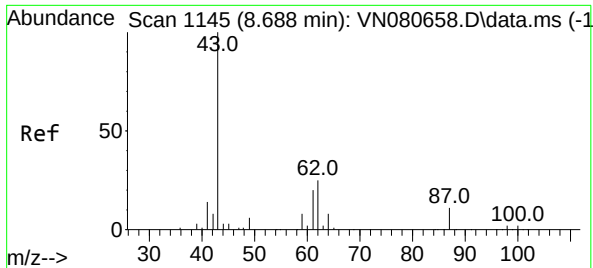
Tgt Ion:113 Resp: 92810  
Ion Ratio Lower Upper  
113 100  
111 104.4 82.6 123.8  
192 15.5 12.7 19.1



#37  
Ethyl Acetate  
Concen: 1.264 ug/l  
RT: 7.571 min Scan# 955  
Delta R.T. 0.018 min  
Lab File: VN080691.D  
Acq: 12 Jan 2024 15:44

Tgt Ion: 43 Resp: 4833  
Ion Ratio Lower Upper  
43 100  
61 8.4 13.2 19.8#  
70 8.0 11.3 16.9#

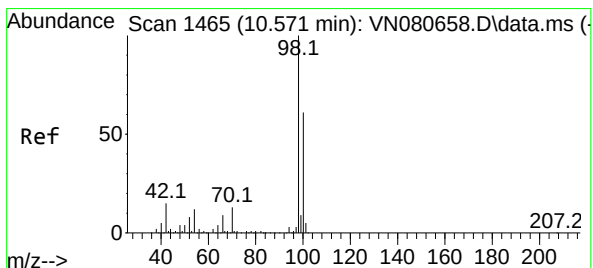
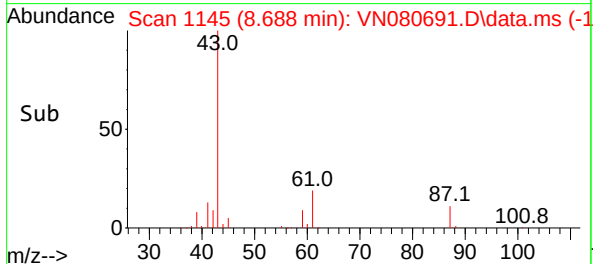
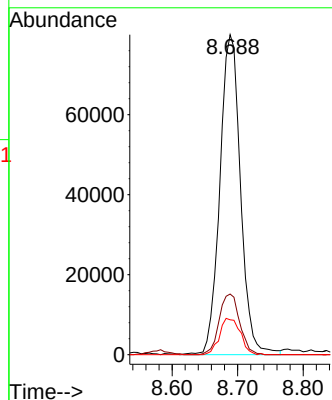
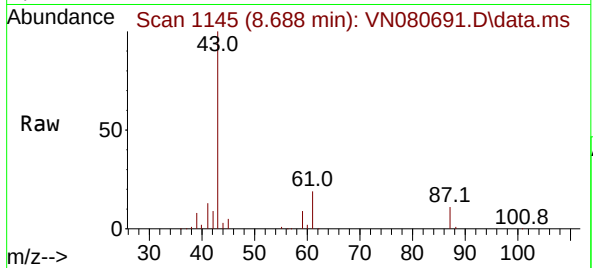




#43  
Isopropyl Acetate  
Concen: 24.867 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN080691.D  
Acq: 12 Jan 2024 15:44

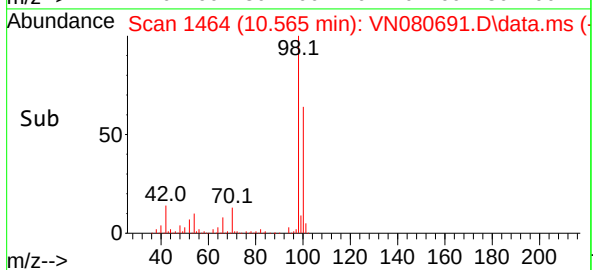
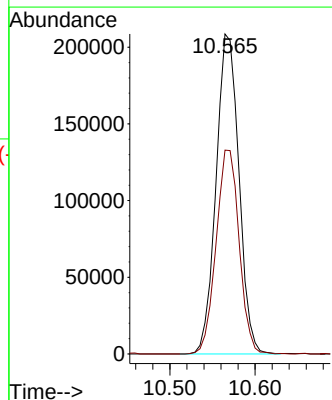
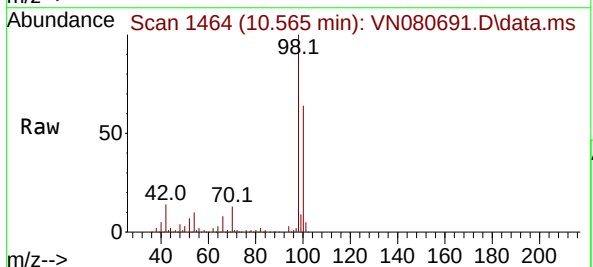
Instrument :  
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ClientSampleId :  
PB158389ZHE#04

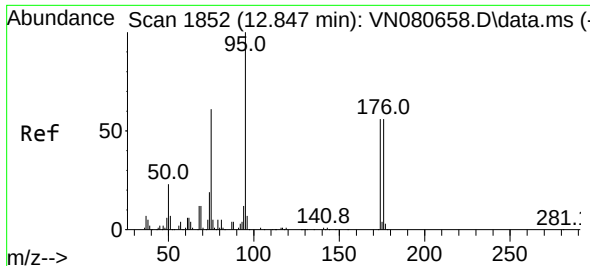
Tgt Ion: 43 Resp: 174802  
Ion Ratio Lower Upper  
43 100  
61 18.8 24.7 37.1#  
87 11.4 14.6 21.8#



#50  
Toluene-d8  
Concen: 52.974 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN080691.D  
Acq: 12 Jan 2024 15:44

Tgt Ion: 98 Resp: 388884  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0

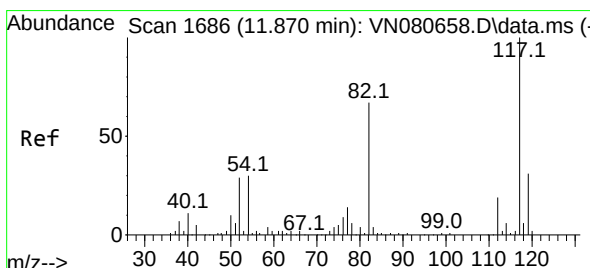
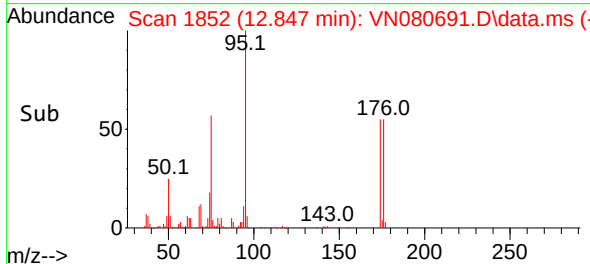
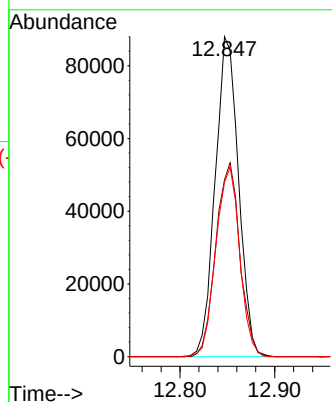
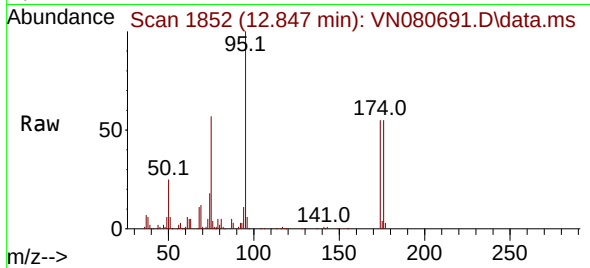




#62  
4-Bromofluorobenzene  
Concen: 53.612 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN080691.D  
Acq: 12 Jan 2024 15:44

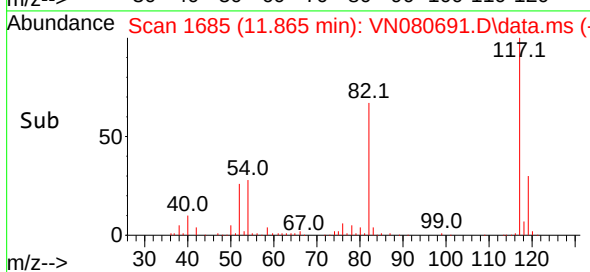
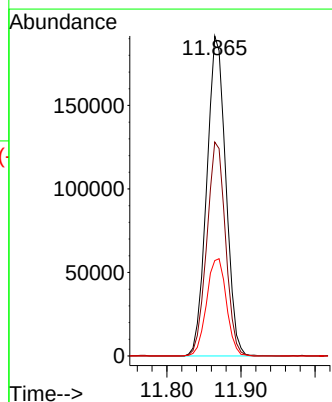
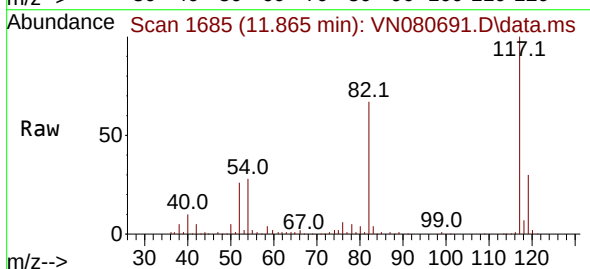
Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion: 95 Resp: 150926  
Ion Ratio Lower Upper  
95 100  
174 62.5 0.0 143.8  
176 60.1 0.0 135.8

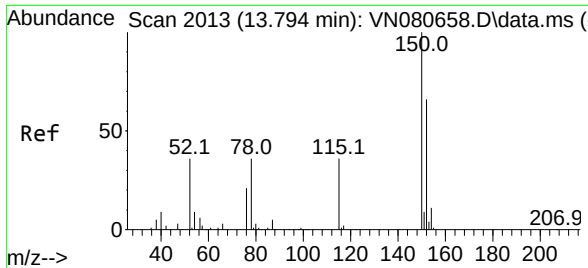


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VN080691.D  
Acq: 12 Jan 2024 15:44

Tgt Ion: 117 Resp: 341667  
Ion Ratio Lower Upper  
117 100  
82 66.9 44.0 66.0#  
119 29.8 25.6 38.4

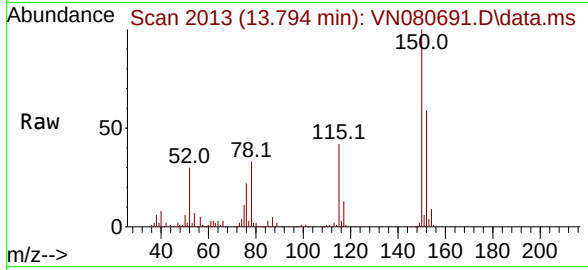






#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN080691.D  
 Acq: 12 Jan 2024 15:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB158389ZHE#04



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 133488 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 67.0  | 32.3  | 96.8   |
| 150      | 159.2 | 0.0   | 355.8  |

