

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072324\  
 Data File : VN083016.D  
 Acq On : 23 Jul 2024 17:12  
 Operator : JC\MD  
 Sample : PB162199ZHE#01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB162199ZHE#01

Quant Time: Jul 24 02:30:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 13:46:04 2024  
 Response via : Initial Calibration

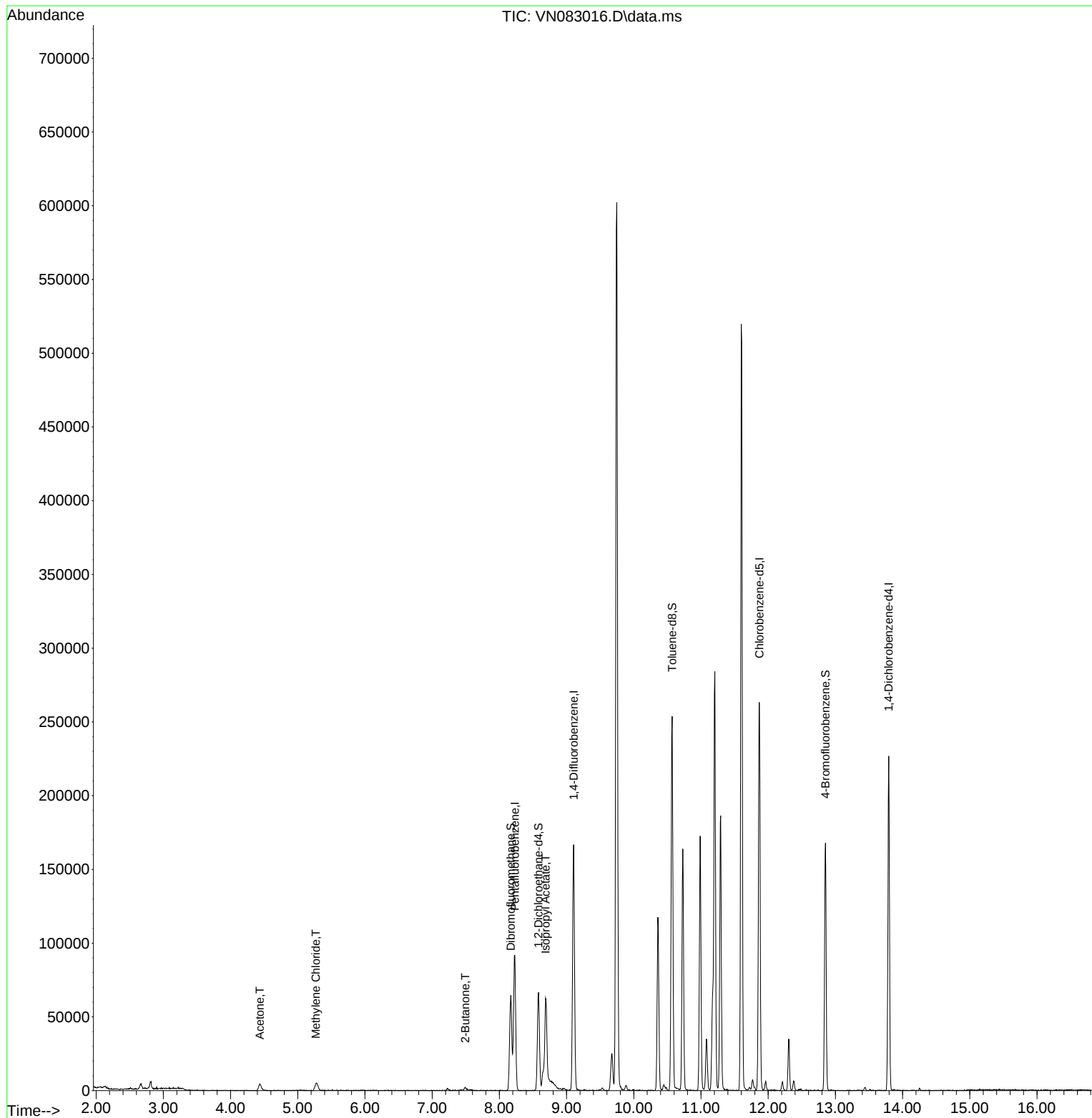
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.229  | 168   | 65188    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 136542   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 149388   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 56526    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 53140    | 58.153   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 116.300% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 44619    | 50.926   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 101.860% |
| 50) Toluene-d8              | 10.570 | 98    | 170111   | 52.567   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 105.140% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 52673    | 45.313   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =      | 90.620%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.436  | 43    | 8611     | 26.765   | ug/l   | 93       |
| 20) Methylene Chloride      | 5.271  | 84    | 4294     | 5.527    | ug/l # | 78       |
| 25) 2-Butanone              | 7.494  | 43    | 3715     | 7.647    | ug/l   | 95       |
| 43) Isopropyl Acetate       | 8.688  | 43    | 79450    | 33.268   | ug/l # | 88       |
| -----                       |        |       |          |          |        |          |

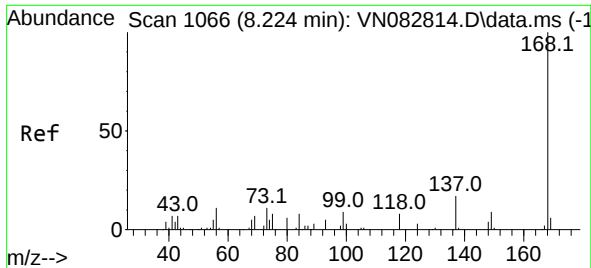
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Jul 08 13:46:04 2024  
Response via : Initial Calibration

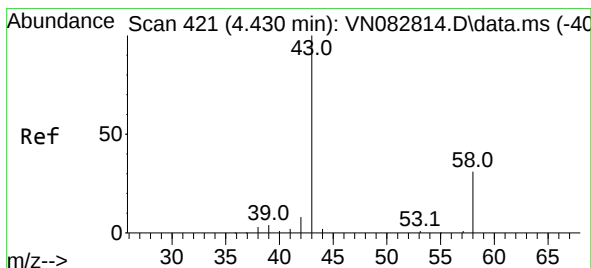
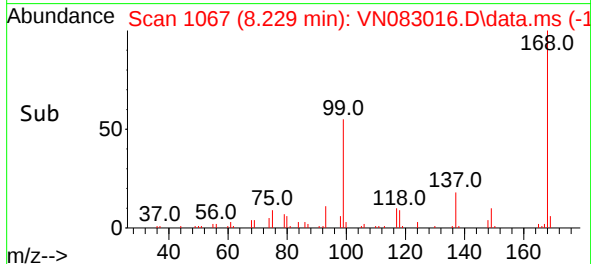
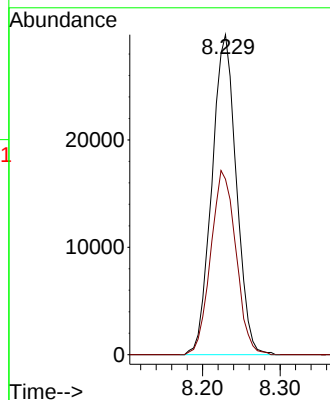
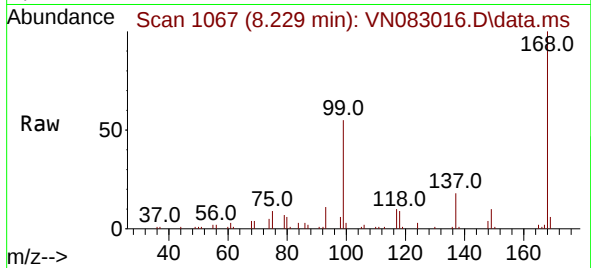




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. 0.000 min  
Lab File: VN083016.D  
Acq: 23 Jul 2024 17:12

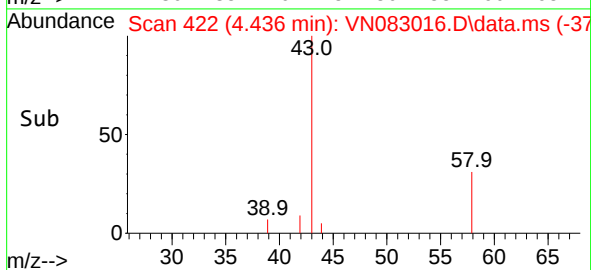
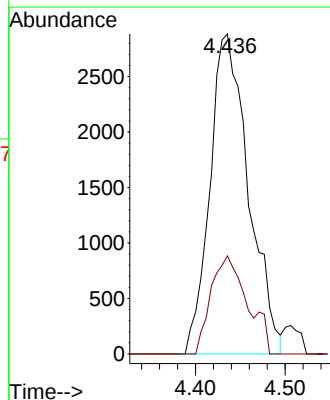
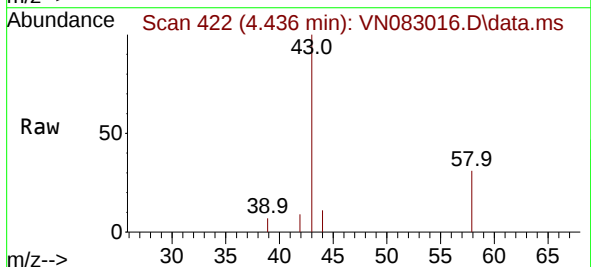
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB162199ZHE#01

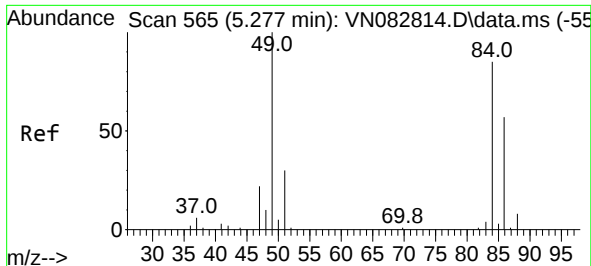
Tgt Ion:168 Resp: 65188  
Ion Ratio Lower Upper  
168 100  
99 54.8 48.2 72.4



#16  
Acetone  
Concen: 26.765 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN083016.D  
Acq: 23 Jul 2024 17:12

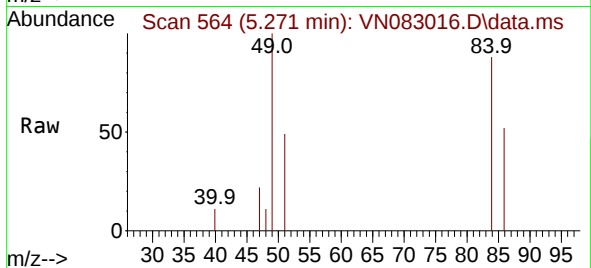
Tgt Ion: 43 Resp: 8611  
Ion Ratio Lower Upper  
43 100  
58 30.6 21.8 32.6



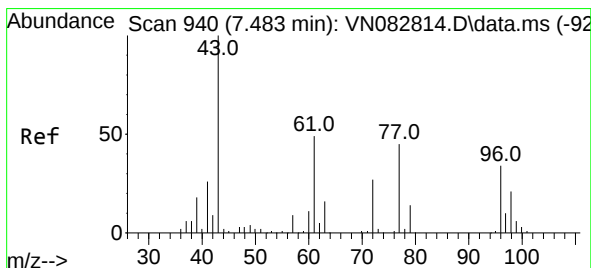
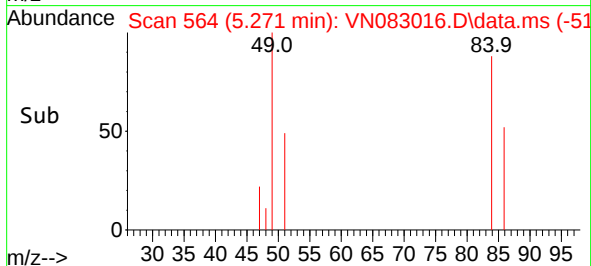
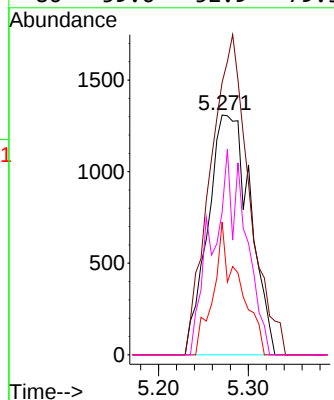


#20  
Methylene Chloride  
Concen: 5.527 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN083016.D  
Acq: 23 Jul 2024 17:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB162199ZHE#01

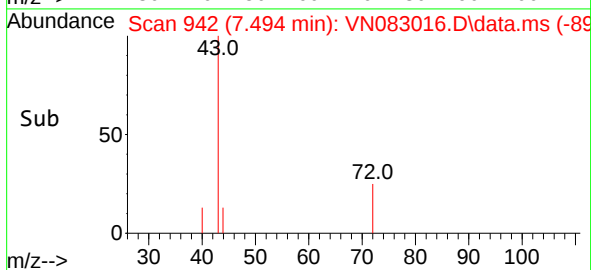
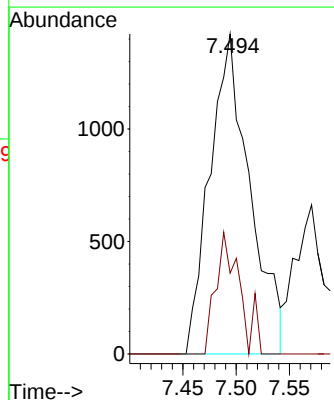
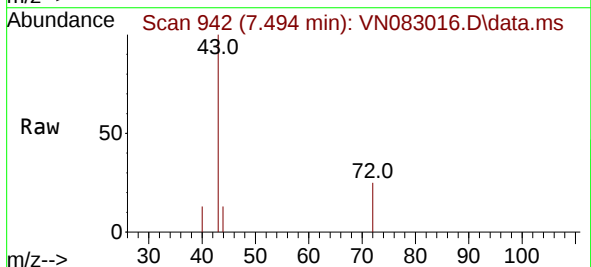


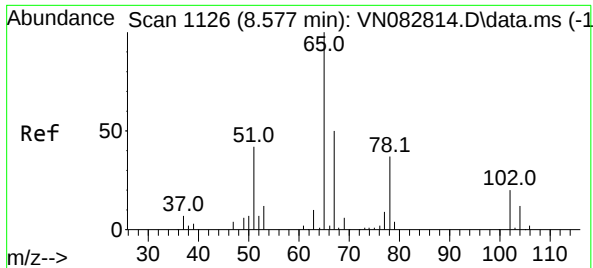
| Tgt Ion: | 84    | Resp: | 4294   |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 113.7 | 119.6 | 179.4# |
| 51       | 55.4  | 34.8  | 52.2#  |
| 86       | 59.6  | 52.9  | 79.3   |



#25  
2-Butanone  
Concen: 7.647 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VN083016.D  
Acq: 23 Jul 2024 17:12

| Tgt Ion: | 43    | Resp: | 3715  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 25.2  | 18.2  | 27.2  |





#33

1,2-Dichloroethane-d4

Concen: 58.153 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083016.D

Acq: 23 Jul 2024 17:12

Instrument :

MSVOA\_N

ClientSampleId :

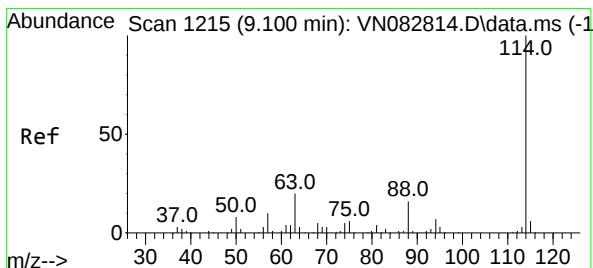
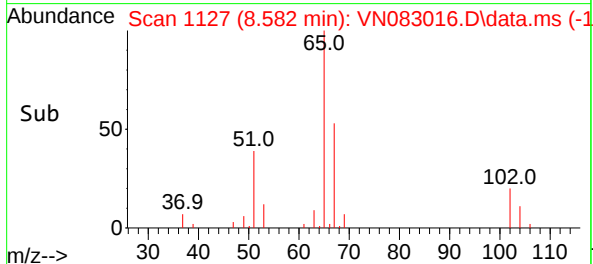
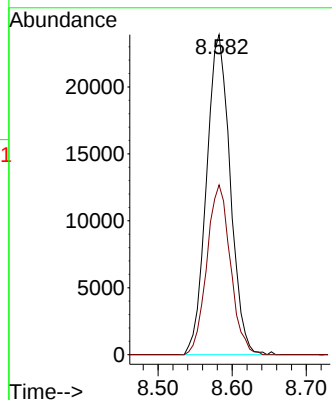
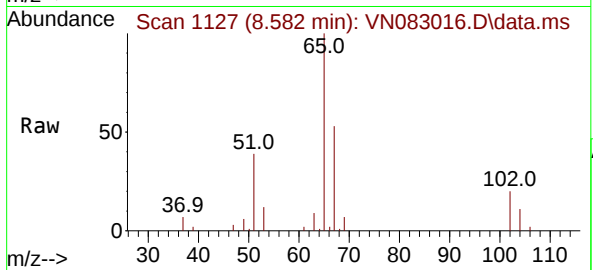
PB162199ZHE#01

Tgt Ion: 65 Resp: 53140

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN083016.D

Acq: 23 Jul 2024 17:12

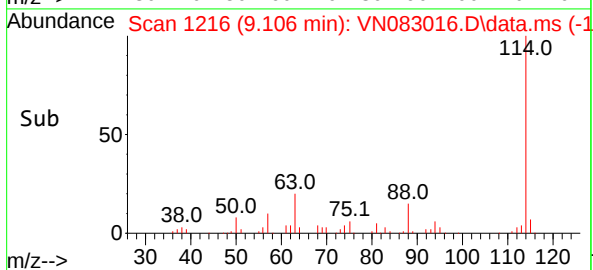
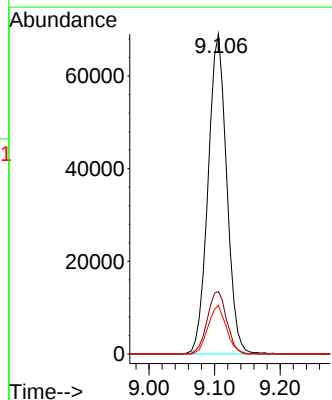
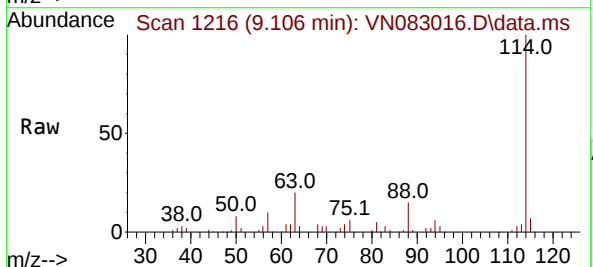
Tgt Ion: 114 Resp: 136542

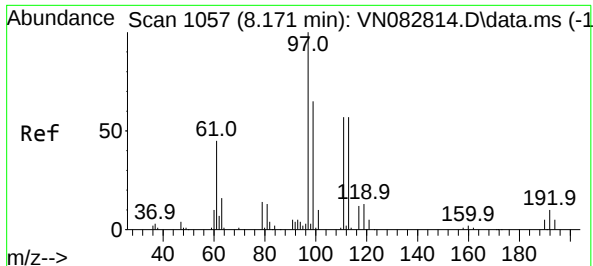
Ion Ratio Lower Upper

114 100

63 19.5 0.0 44.6

88 15.1 0.0 31.4

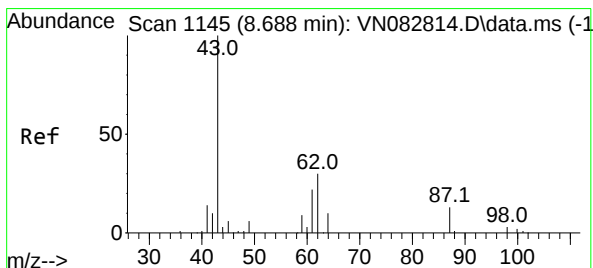
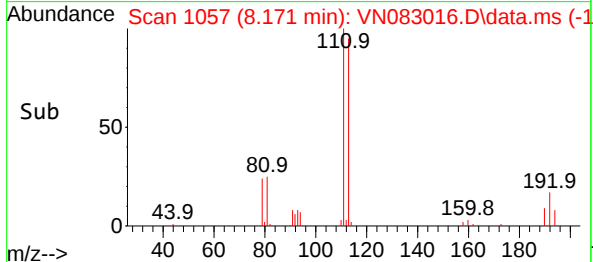
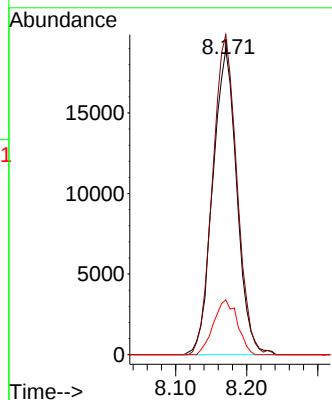
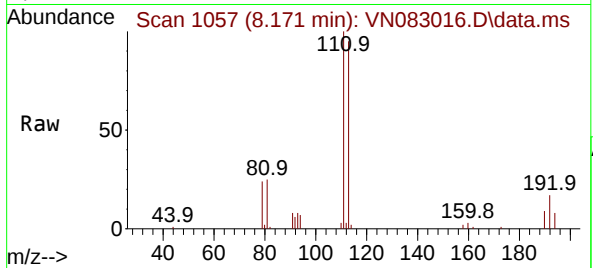




#35  
Dibromofluoromethane  
Concen: 50.926 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN083016.D  
Acq: 23 Jul 2024 17:12

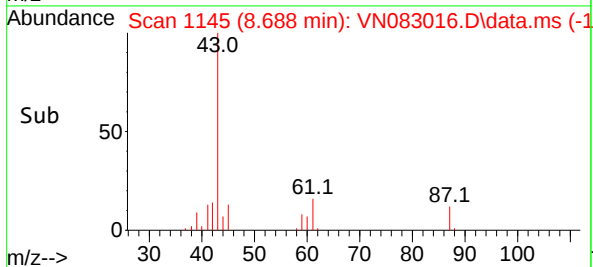
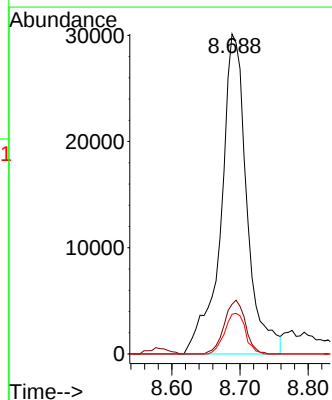
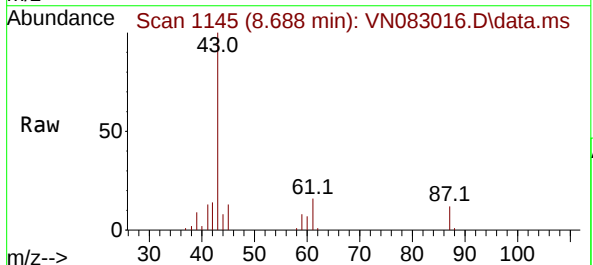
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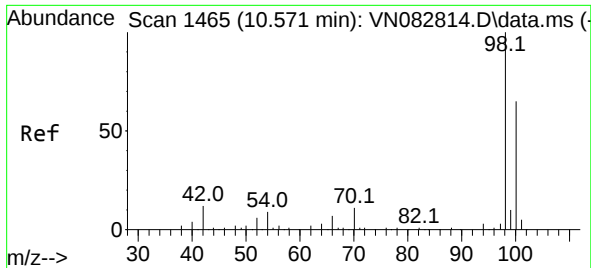
Tgt Ion:113 Resp: 44619  
Ion Ratio Lower Upper  
113 100  
111 105.1 82.4 123.6  
192 17.7 14.9 22.3



#43  
Isopropyl Acetate  
Concen: 33.268 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VN083016.D  
Acq: 23 Jul 2024 17:12

Tgt Ion: 43 Resp: 79450  
Ion Ratio Lower Upper  
43 100  
61 13.7 17.8 26.6#  
87 10.2 8.2 12.2

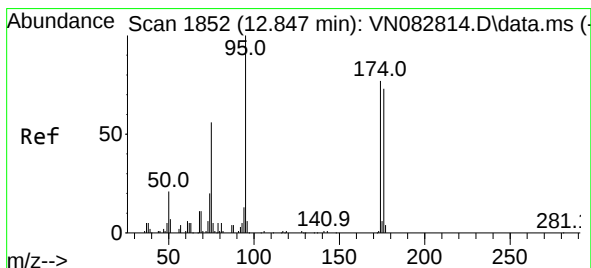
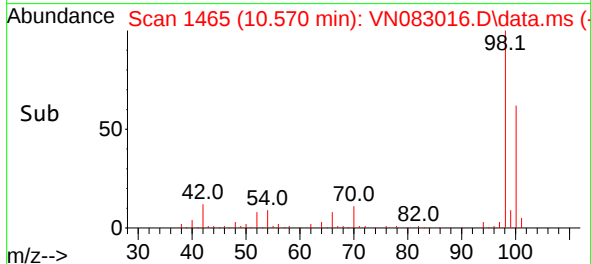
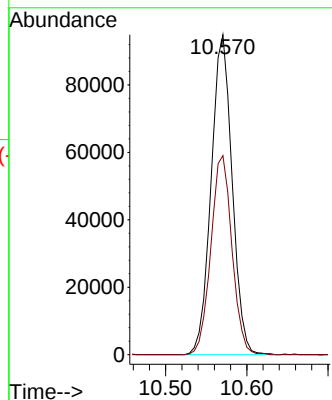
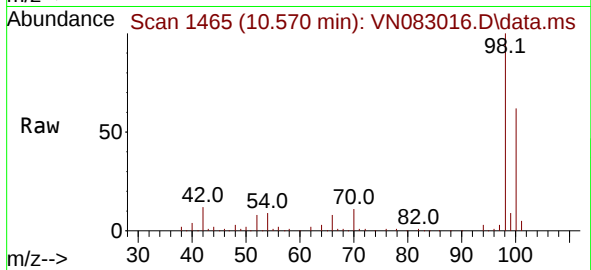




#50  
Toluene-d8  
Concen: 52.567 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN083016.D  
Acq: 23 Jul 2024 17:12

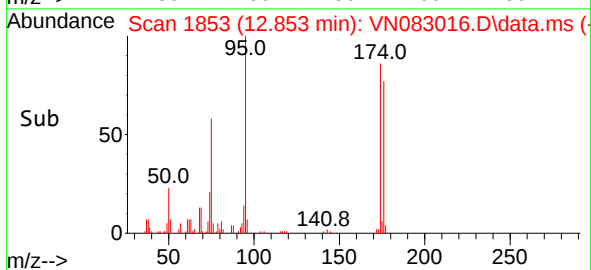
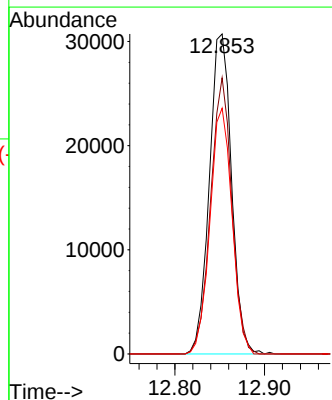
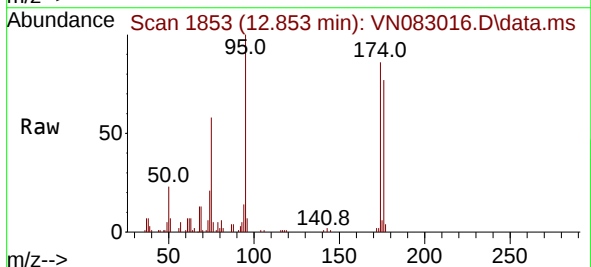
Instrument :  
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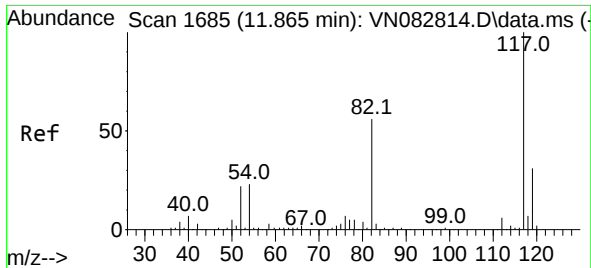
Tgt Ion: 98 Resp: 170111  
Ion Ratio Lower Upper  
98 100  
100 62.6 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 45.313 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN083016.D  
Acq: 23 Jul 2024 17:12

Tgt Ion: 95 Resp: 52673  
Ion Ratio Lower Upper  
95 100  
174 82.8 0.0 159.2  
176 76.4 0.0 147.6

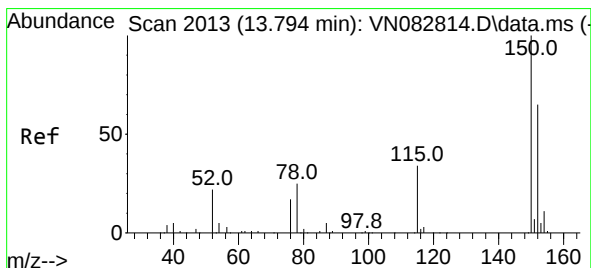
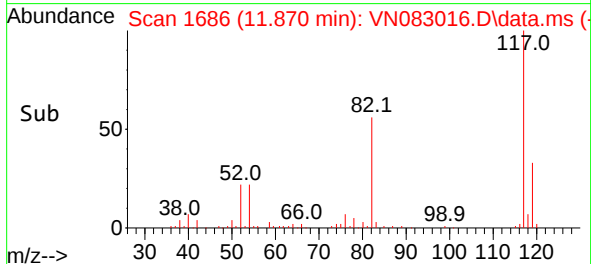
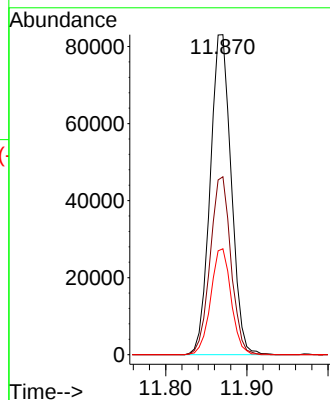
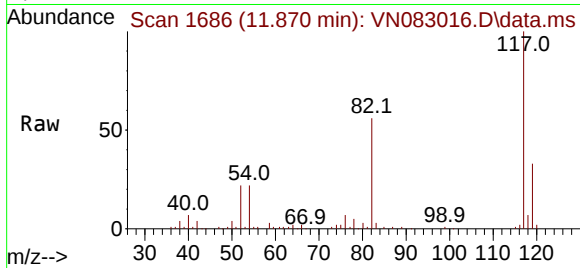




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: VN083016.D  
Acq: 23 Jul 2024 17:12

Instrument :  
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ClientSampleId :  
PB162199ZHE#01

Tgt Ion:117 Resp: 149388  
Ion Ratio Lower Upper  
117 100  
82 55.6 47.5 71.3  
119 33.1 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN083016.D  
Acq: 23 Jul 2024 17:12

Tgt Ion:152 Resp: 56526  
Ion Ratio Lower Upper  
152 100  
115 60.5 30.6 91.6  
150 158.4 0.0 348.6

