

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081324\  
 Data File : VN083279.D  
 Acq On : 14 Aug 2024 05:40  
 Operator : JC\MD  
 Sample : P3450-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 922-K1-WP0-0.25-080124

Quant Time: Aug 14 07:58:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 Response via : Initial Calibration

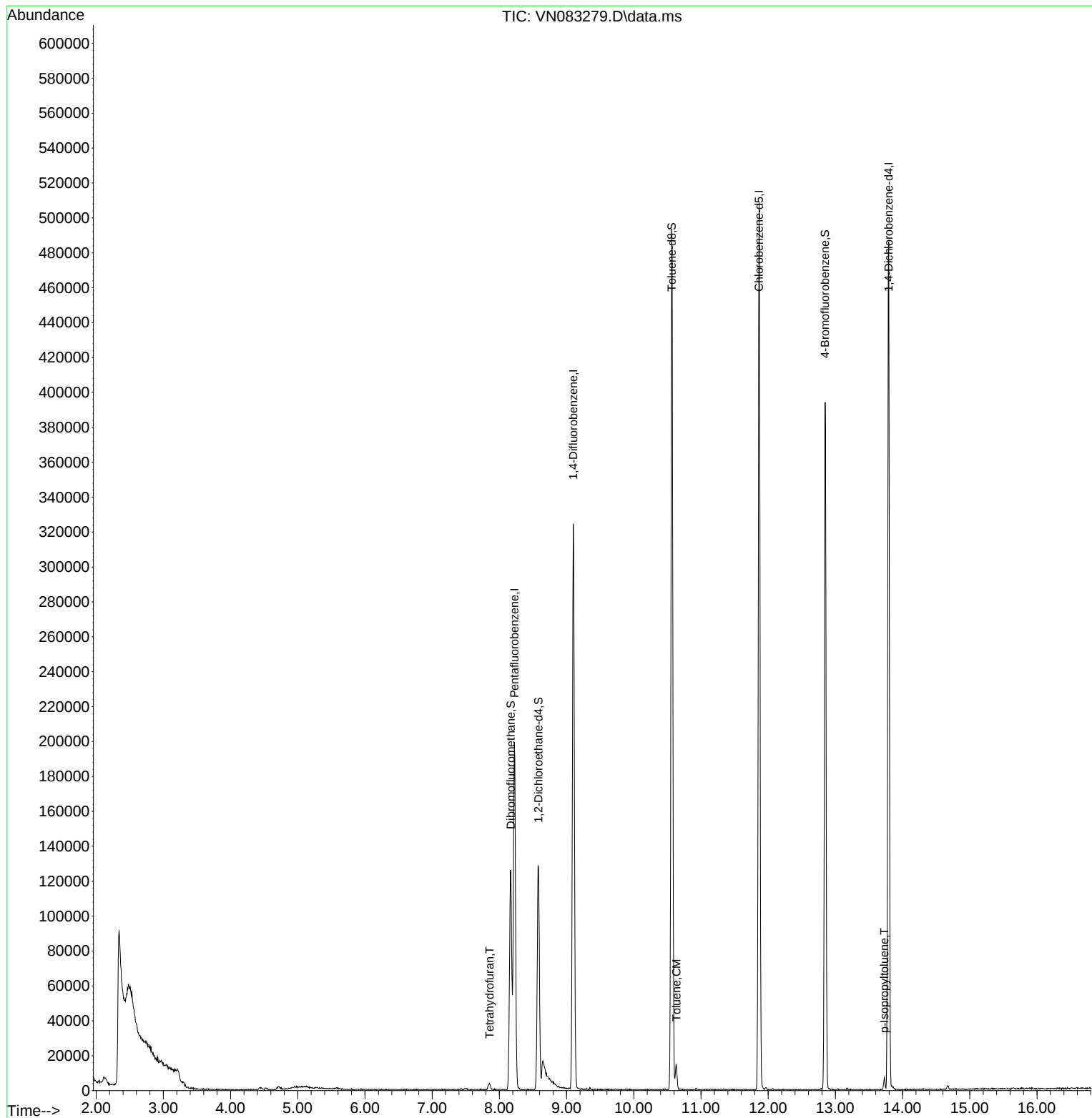
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 138109   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 273792   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 284536   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 128029   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 111247   | 56.590   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 113.180% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 90185    | 52.772   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 105.540% |
| 50) Toluene-d8              | 10.565 | 98    | 340598   | 53.429   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 106.860% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 142707   | 57.421   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =     | 114.840% |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 29) Tetrahydrofuran         | 7.853  | 42    | 2438     | 3.193    | ug/l  | # 61     |
| 52) Toluene                 | 10.635 | 92    | 5960     | 1.225    | ug/l  | 98       |
| 86) p-Isopropyltoluene      | 13.729 | 119   | 4739     | 0.530    | ug/l  | 94       |
| -----                       |        |       |          |          |       |          |

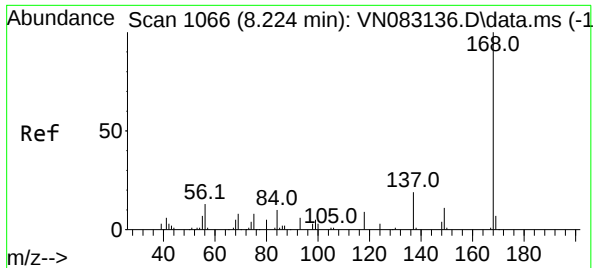
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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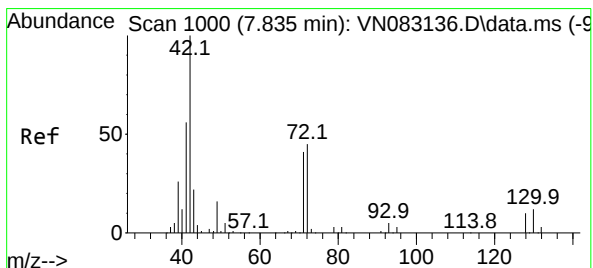
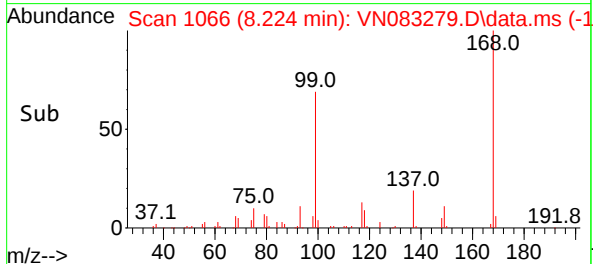
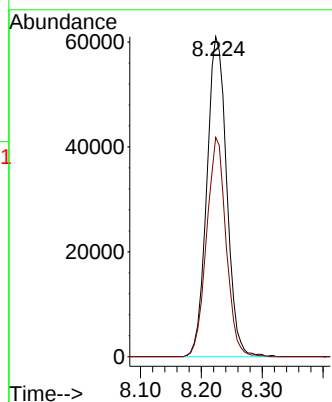
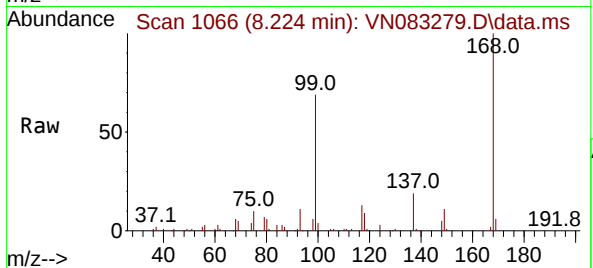




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083279.D  
Acq: 14 Aug 2024 05:40

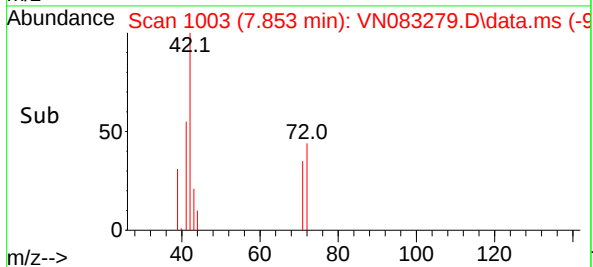
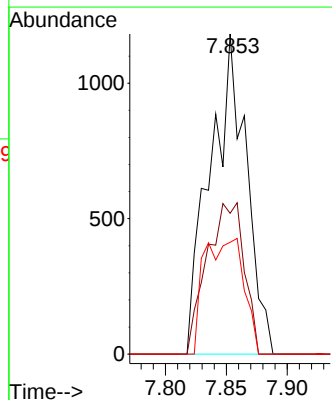
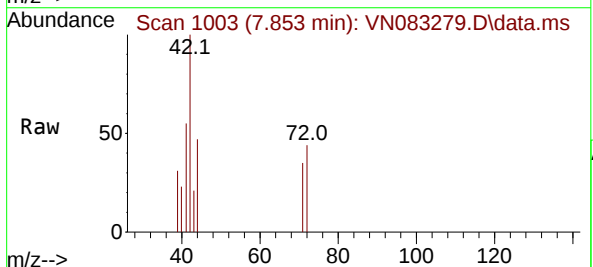
Instrument :  
MSVOA\_N  
ClientSampleId :  
922-K1-WP0-0.25-080124

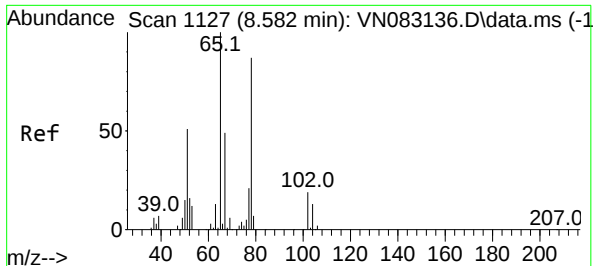
Tgt Ion:168 Resp: 138109  
Ion Ratio Lower Upper  
168 100  
99 68.5 48.2 72.4



#29  
Tetrahydrofuran  
Concen: 3.193 ug/l  
RT: 7.853 min Scan# 1003  
Delta R.T. 0.018 min  
Lab File: VN083279.D  
Acq: 14 Aug 2024 05:40

Tgt Ion: 42 Resp: 2438  
Ion Ratio Lower Upper  
42 100  
72 48.8 30.0 45.0#  
71 0.0 28.3 42.5#





#33

1,2-Dichloroethane-d4

Concen: 56.590 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA\_N

ClientSampleId :

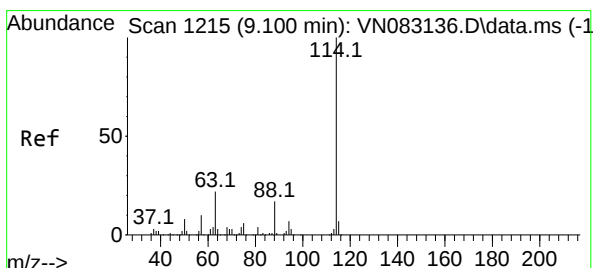
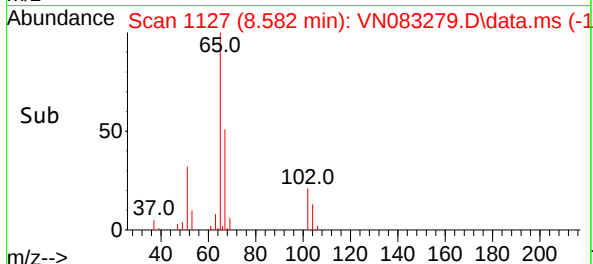
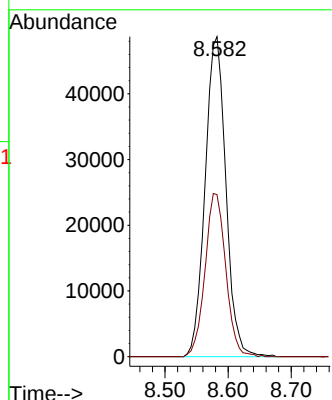
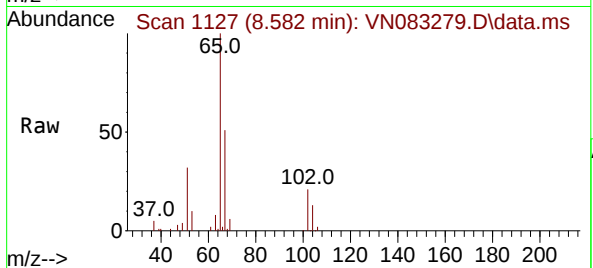
922-K1-WP0-0.25-080124

Tgt Ion: 65 Resp: 111247

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

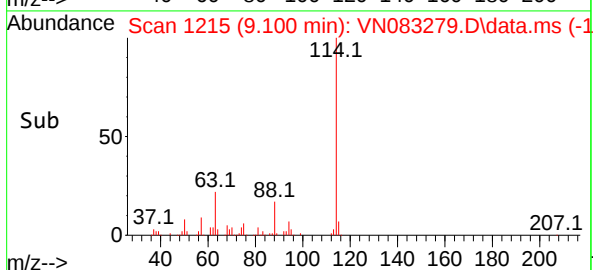
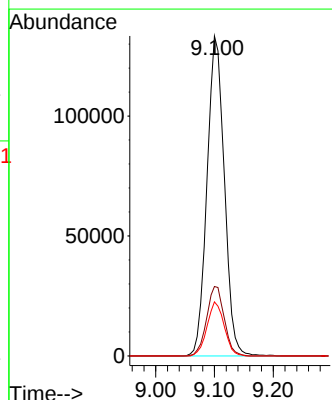
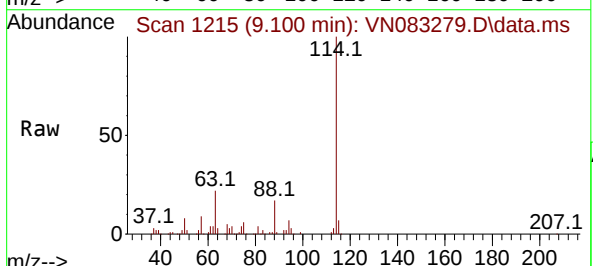
Tgt Ion: 114 Resp: 273792

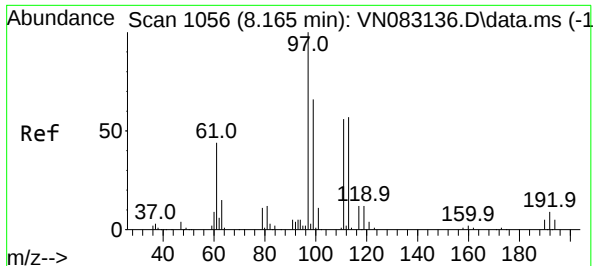
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.6

88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.772 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083279.D

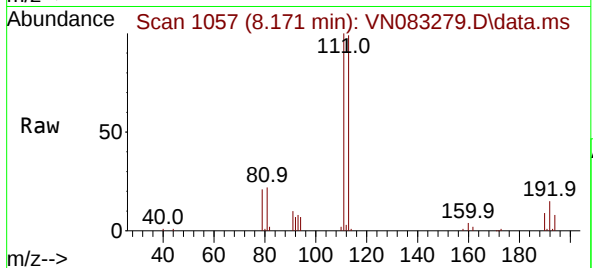
Acq: 14 Aug 2024 05:40

Instrument :

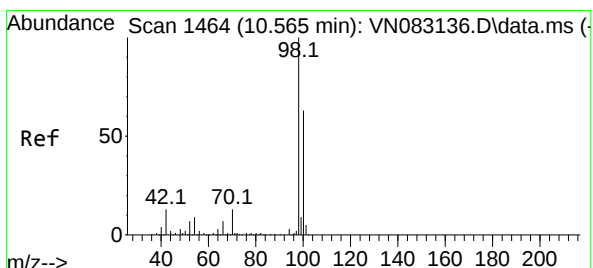
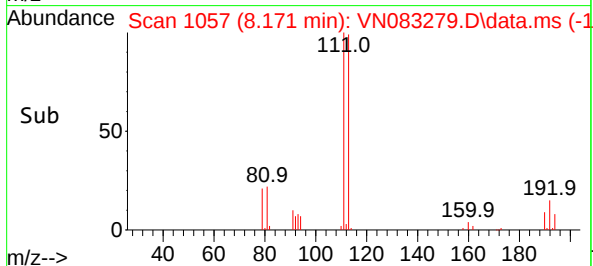
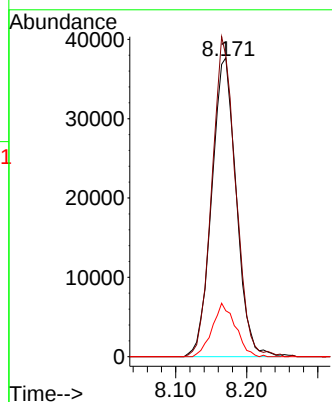
MSVOA\_N

ClientSampleId :

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 90185 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.3 | 82.4  | 123.6 |
| 192      | 17.0  | 14.9  | 22.3  |



#50

Toluene-d8

Concen: 53.429 ug/l

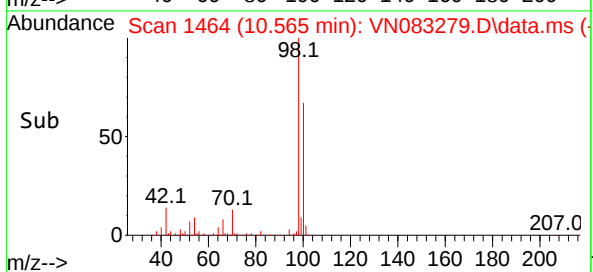
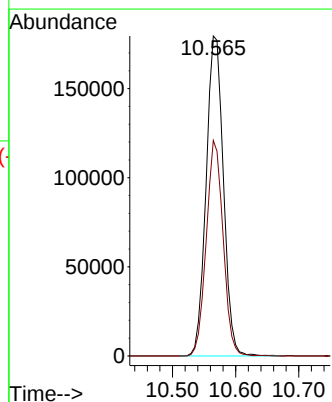
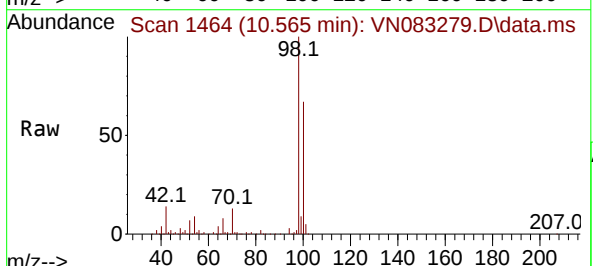
RT: 10.565 min Scan# 1464

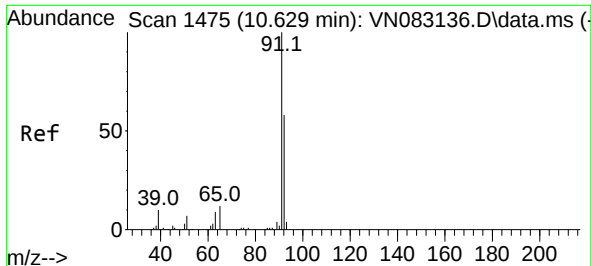
Delta R.T. -0.000 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 340598 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.5  | 51.5  | 77.3   |

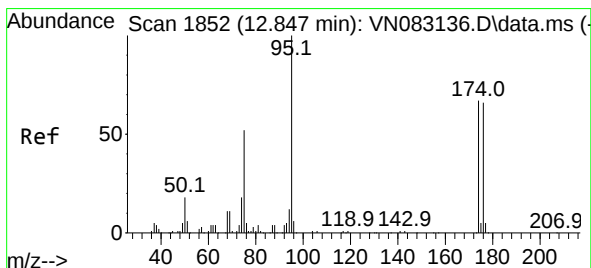
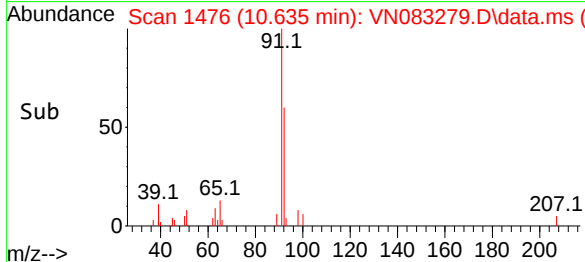
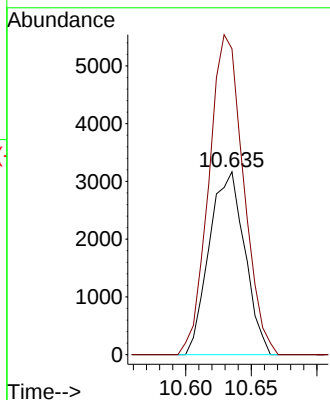
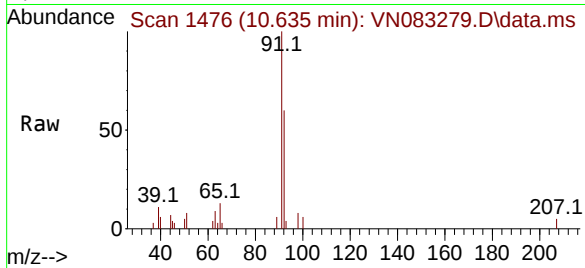




#52  
Toluene  
Concen: 1.225 ug/l  
RT: 10.635 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VN083279.D  
Acq: 14 Aug 2024 05:40

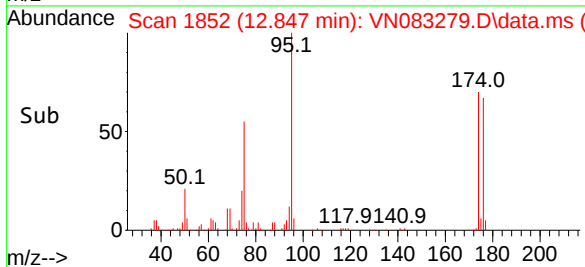
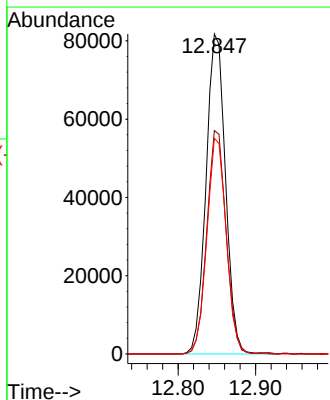
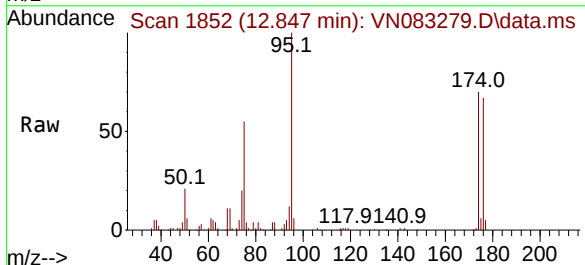
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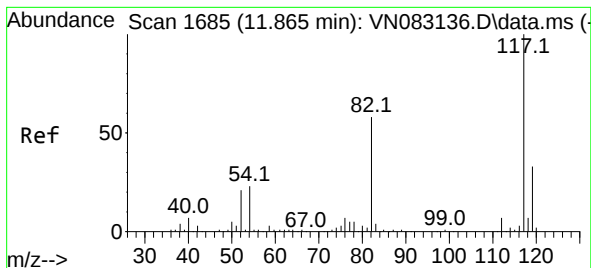
Tgt Ion: 92 Resp: 5960  
Ion Ratio Lower Upper  
92 100  
91 170.9 139.4 209.0



#62  
4-Bromofluorobenzene  
Concen: 57.421 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN083279.D  
Acq: 14 Aug 2024 05:40

Tgt Ion: 95 Resp: 142707  
Ion Ratio Lower Upper  
95 100  
174 69.2 0.0 159.2  
176 67.0 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA\_N

ClientSampleId :

922-K1-WP0-0.25-080124

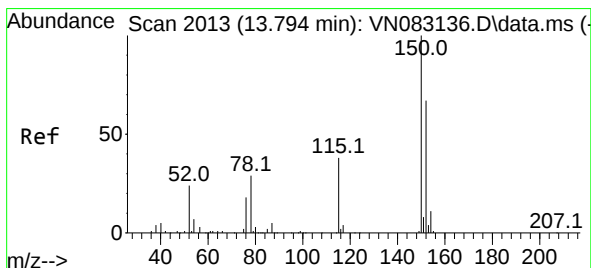
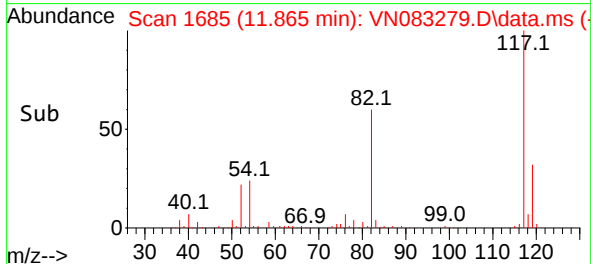
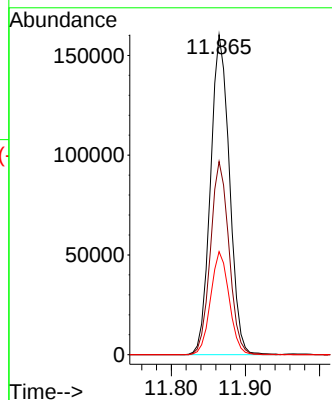
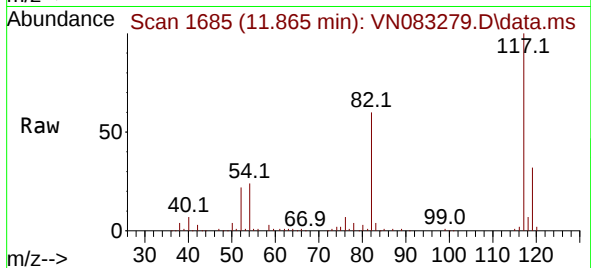
Tgt Ion:117 Resp: 284536

Ion Ratio Lower Upper

117 100

82 60.3 47.5 71.3

119 32.2 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: VN083279.D

Acq: 14 Aug 2024 05:40

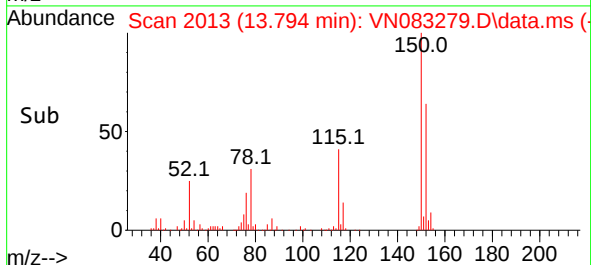
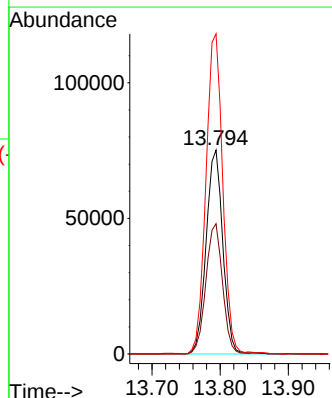
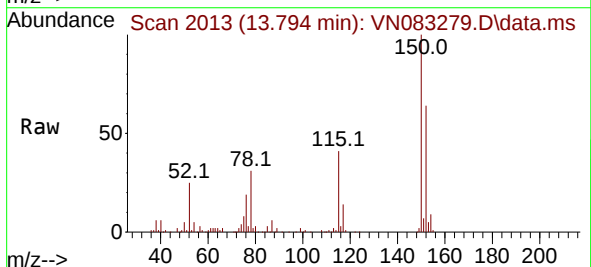
Tgt Ion:152 Resp: 128029

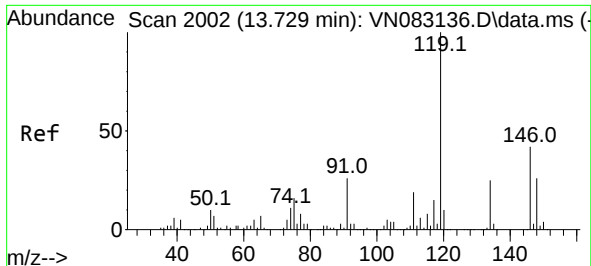
Ion Ratio Lower Upper

152 100

115 63.6 30.6 91.6

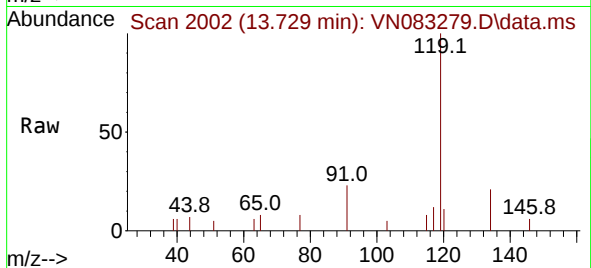
150 157.6 0.0 348.6





#86  
 p-Isopropyltoluene  
 Concen: 0.530 ug/l  
 RT: 13.729 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN083279.D  
 Acq: 14 Aug 2024 05:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 922-K1-WP0-0.25-080124



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 4739  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 22.6  | 13.0  | 39.0  |
| 91       | 26.8  | 12.3  | 36.9  |

