

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121624\  
 Data File : VN085212.D  
 Acq On : 16 Dec 2024 12:21  
 Operator : JC\MD  
 Sample : P5276-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 002-35TH-AVE(DEC)

Quant Time: Dec 16 12:40:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 06 22:50:42 2024  
 Response via : Initial Calibration

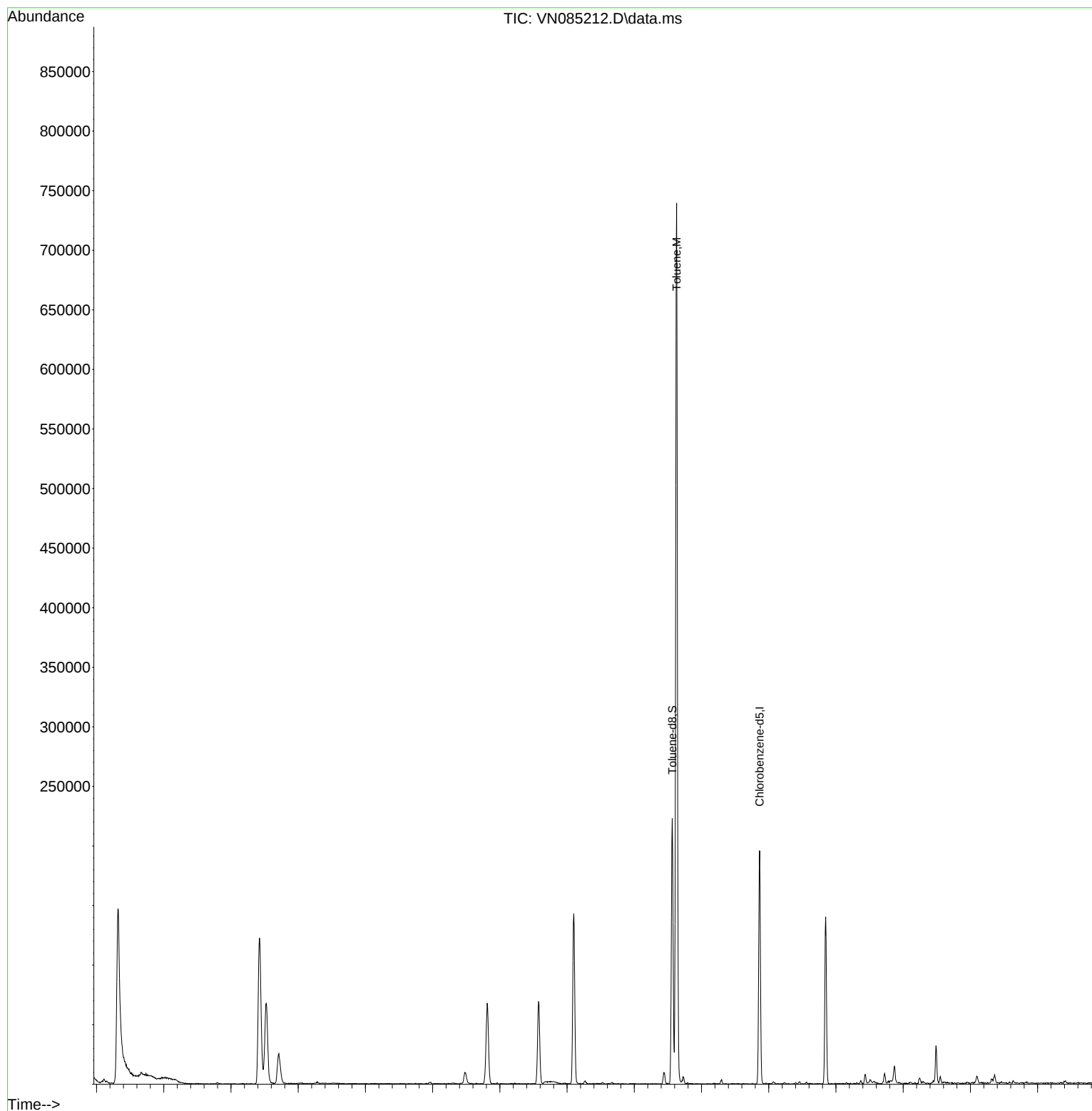
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.812  | 128   | 23791    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.100  | 114   | 122910   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.865 | 117   | 115669   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.577  | 65    | 58262    | 30.863   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 102.867% |
| 60) 4-Bromofluorobenzene    | 12.847 | 95    | 51520    | 26.919   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 89.733%  |
| 63) Toluene-d8              | 10.565 | 98    | 153509   | 28.292   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 94.300%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 4.424  | 58    | 74703    | 388.405  | ug/l   | 95       |
| 30) 2-Butanone              | 7.488  | 43    | 17363    | 19.077   | ug/l # | 97       |
| 62) Toluene                 | 10.629 | 91    | 565173   | 83.781   | ug/l   | 99       |
| 82) p-Isopropyltoluene      | 13.723 | 119   | 5009     | 0.906    | ug/l   | 91       |
| -----                       |        |       |          |          |        |          |

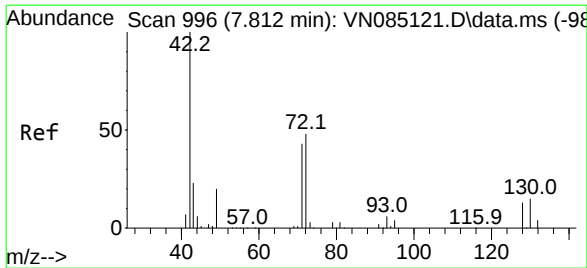
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N120624W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Dec 06 22:50:42 2024  
Response via : Initial Calibration

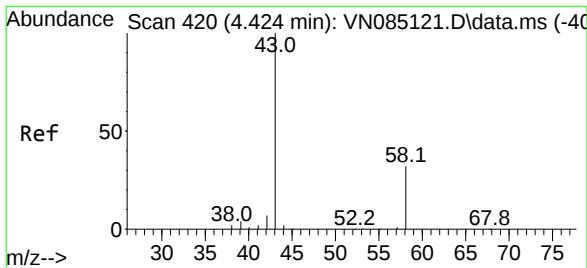
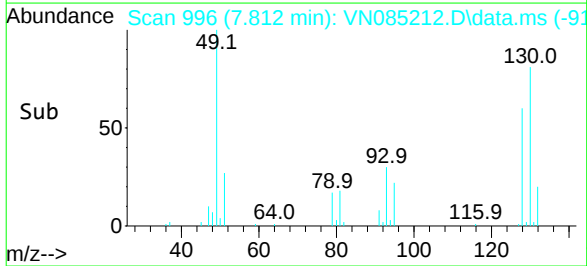
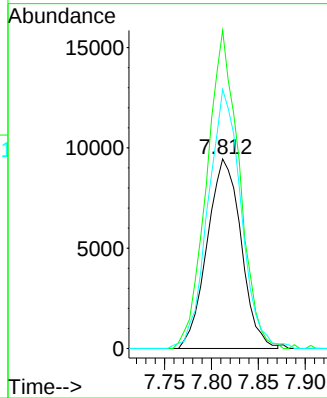
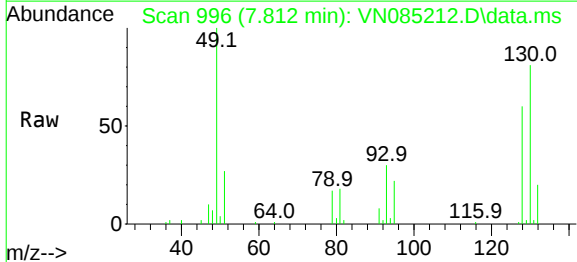




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VN085212.D  
Acq: 16 Dec 2024 12:21

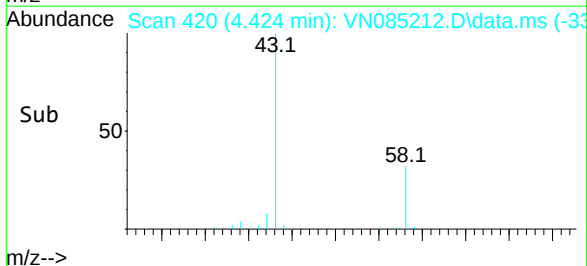
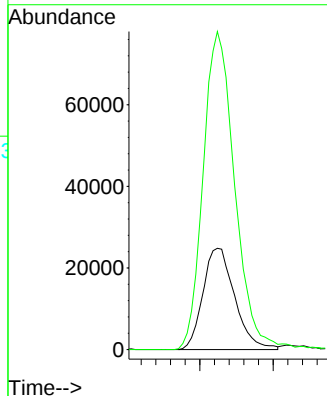
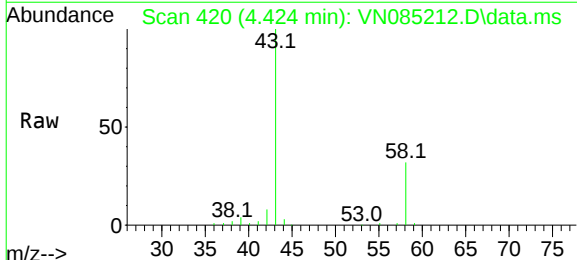
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(DEC)

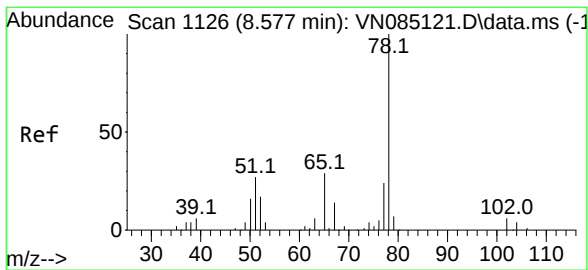
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 160.3 | 0.0   | 394.5 |
| 130     | 132.6 | 0.0   | 316.5 |



#15  
Acetone  
Concen: 388.405 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.000 min  
Lab File: VN085212.D  
Acq: 16 Dec 2024 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 58      | 100   |       |       |
| 43      | 313.1 | 242.3 | 363.5 |

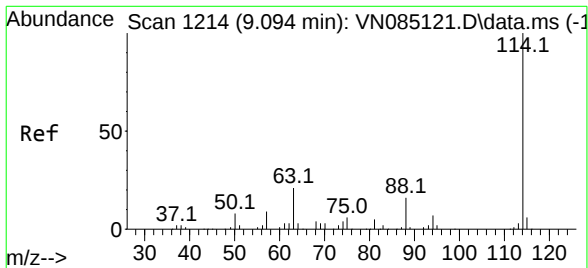
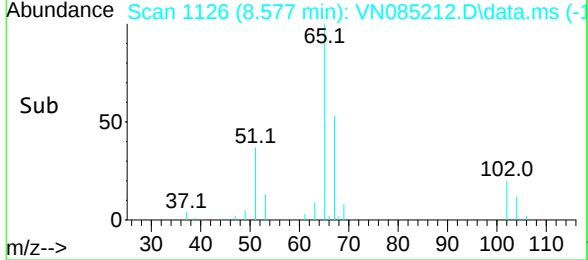
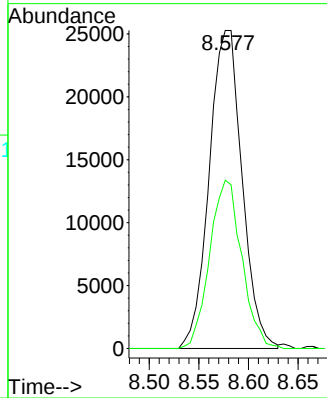
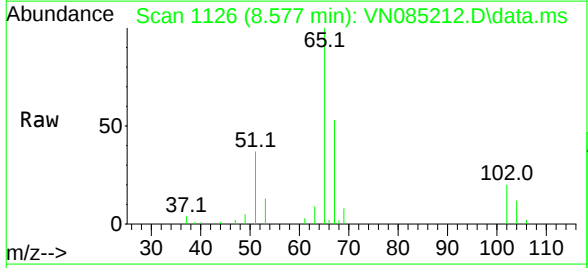




#27  
1,2-Dichloroethane-d4  
Concen: 30.863 ug/l  
RT: 8.577 min Scan# 1115  
Delta R.T. 0.000 min  
Lab File: VN085212.D  
Acq: 16 Dec 2024 12:21

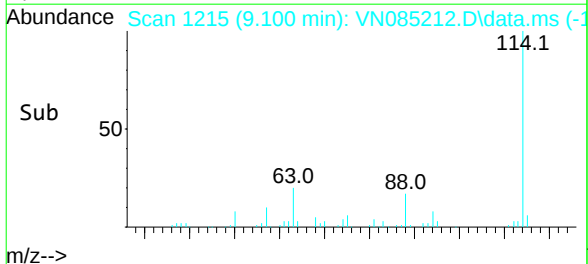
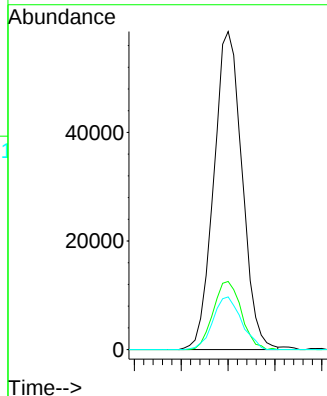
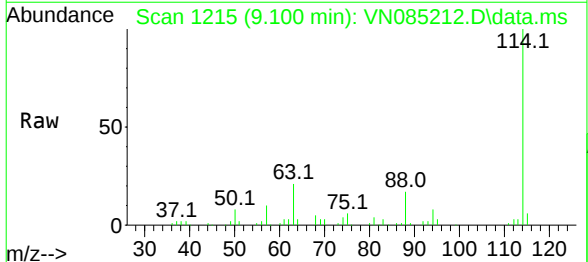
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ClientSampleId :  
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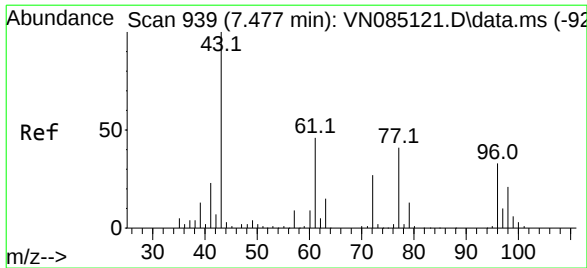
Tgt Ion: 65 Resp: 58262  
Ion Ratio Lower Upper  
65 100  
67 51.6 39.9 59.9



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN085212.D  
Acq: 16 Dec 2024 12:21

Tgt Ion: 114 Resp: 122910  
Ion Ratio Lower Upper  
114 100  
63 21.1 16.2 24.2  
88 16.7 12.5 18.7

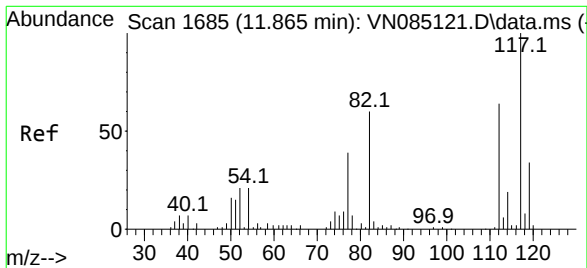
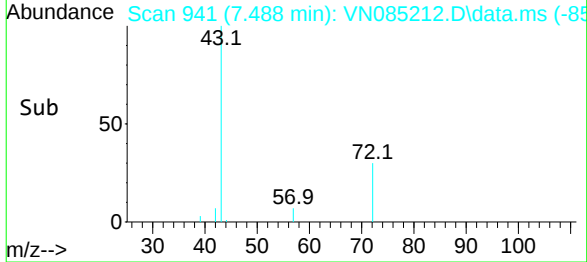
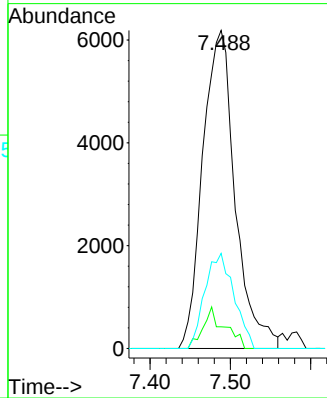
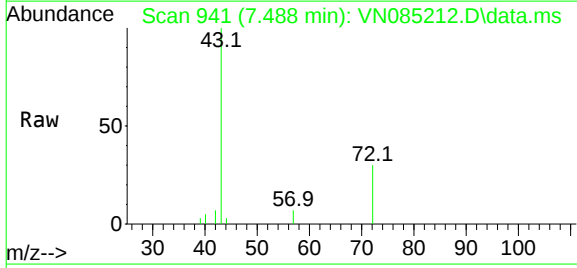




#30  
2-Butanone  
Concen: 19.077 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN085212.D  
Acq: 16 Dec 2024 12:21

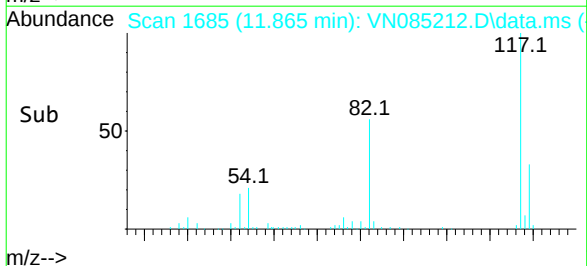
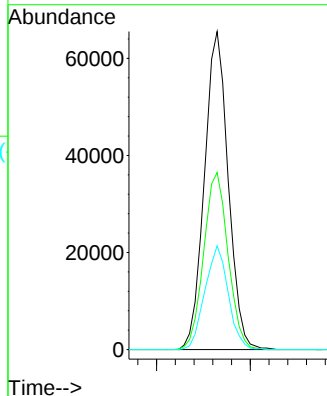
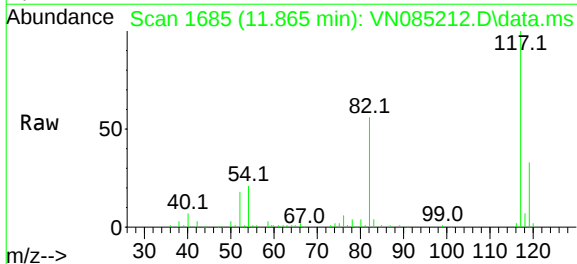
Instrument :  
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ClientSampleId :  
002-35TH-AVE(DEC)

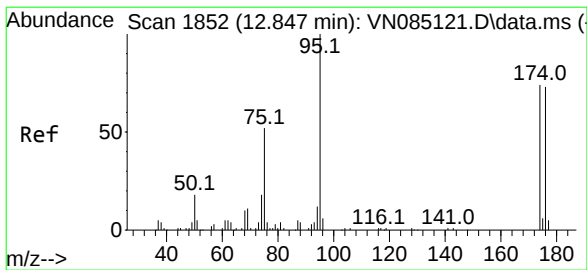
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 6.0   | 6.9   | 10.3# |
| 72      | 26.8  | 21.8  | 32.8  |



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN085212.D  
Acq: 16 Dec 2024 12:21

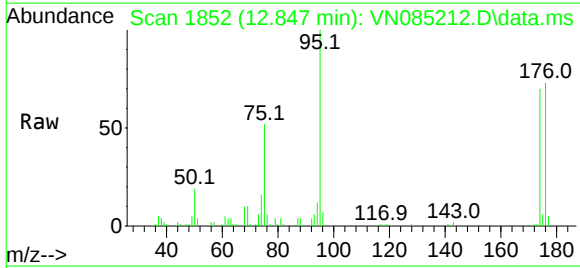
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.0  | 44.2  | 66.4  |
| 119     | 31.9  | 25.4  | 38.2  |



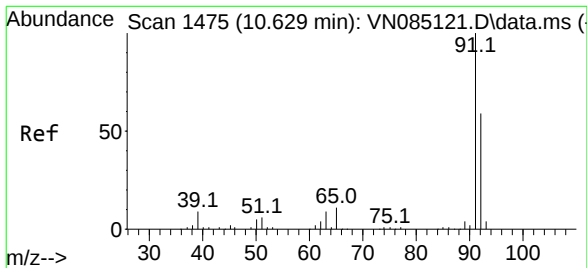
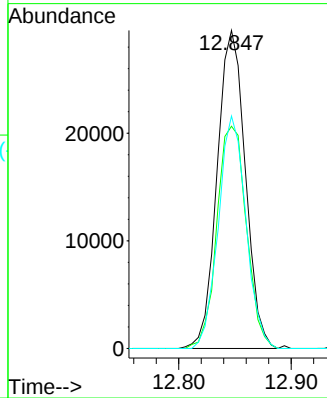
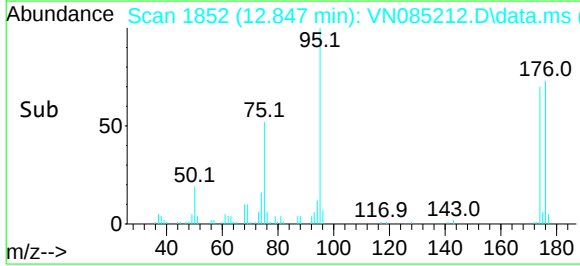


#60  
4-Bromofluorobenzene  
Concen: 26.919 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN085121.D  
Acq: 16 Dec 2024 12:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(DEC)

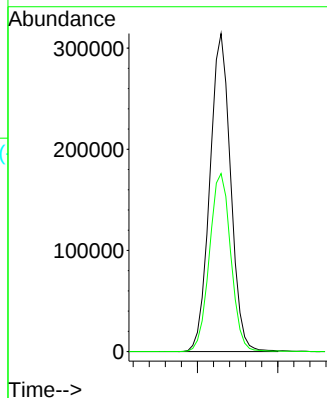
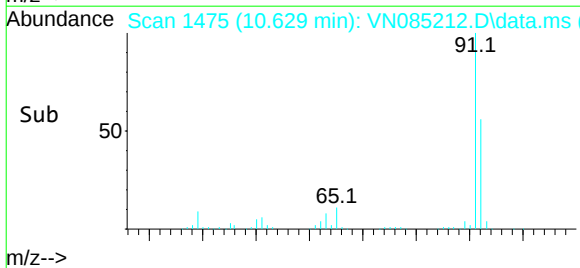
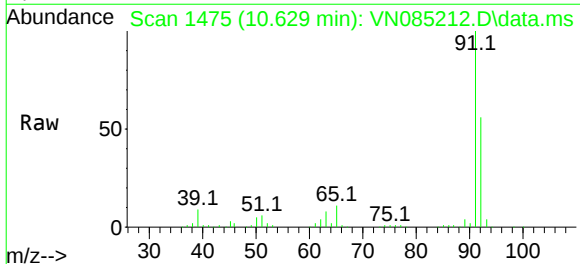


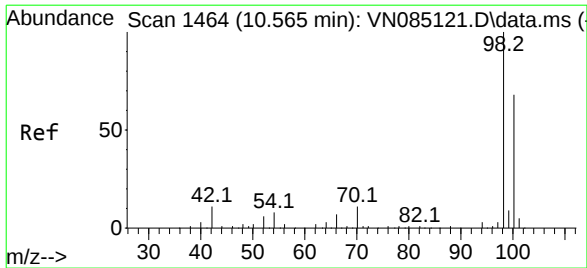
Tgt Ion: 95 Resp: 51520  
Ion Ratio Lower Upper  
95 100  
174 73.1 60.3 90.5  
176 71.3 57.4 86.0



#62  
Toluene  
Concen: 83.781 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN085121.D  
Acq: 16 Dec 2024 12:21

Tgt Ion: 91 Resp: 565173  
Ion Ratio Lower Upper  
91 100  
92 57.5 46.5 69.7





#63

Toluene-d8

Concen: 28.292 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN085121.D

Acq: 16 Dec 2024 12:21

Instrument :

MSVOA\_N

ClientSampleId :

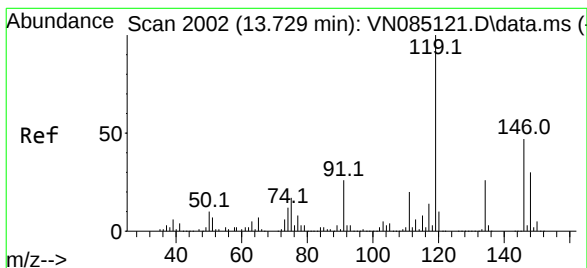
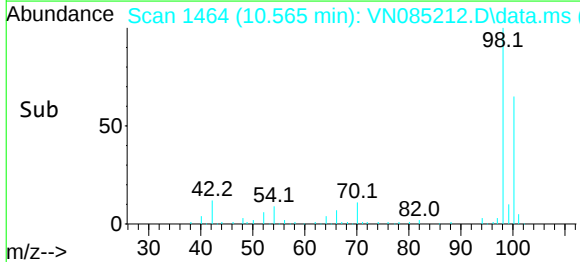
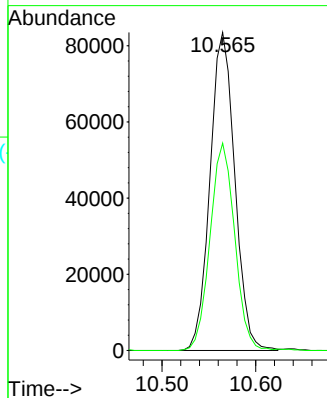
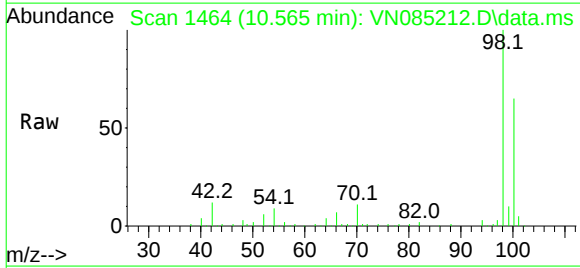
002-35TH-AVE(DEC)

Tgt Ion: 98 Resp: 153509

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#82

p-Isopropyltoluene

Concen: 0.906 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN085121.D

Acq: 16 Dec 2024 12:21

Tgt Ion: 119 Resp: 5009

Ion Ratio Lower Upper

119 100

134 24.8 0.0 51.6

91 16.8 0.0 50.4

