

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100824\  
 Data File : VN084349.D  
 Acq On : 08 Oct 2024 15:17  
 Operator : JC\MD  
 Sample : P4334-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 09 02:31:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N100824W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 09 02:21:08 2024  
 Response via : Initial Calibration

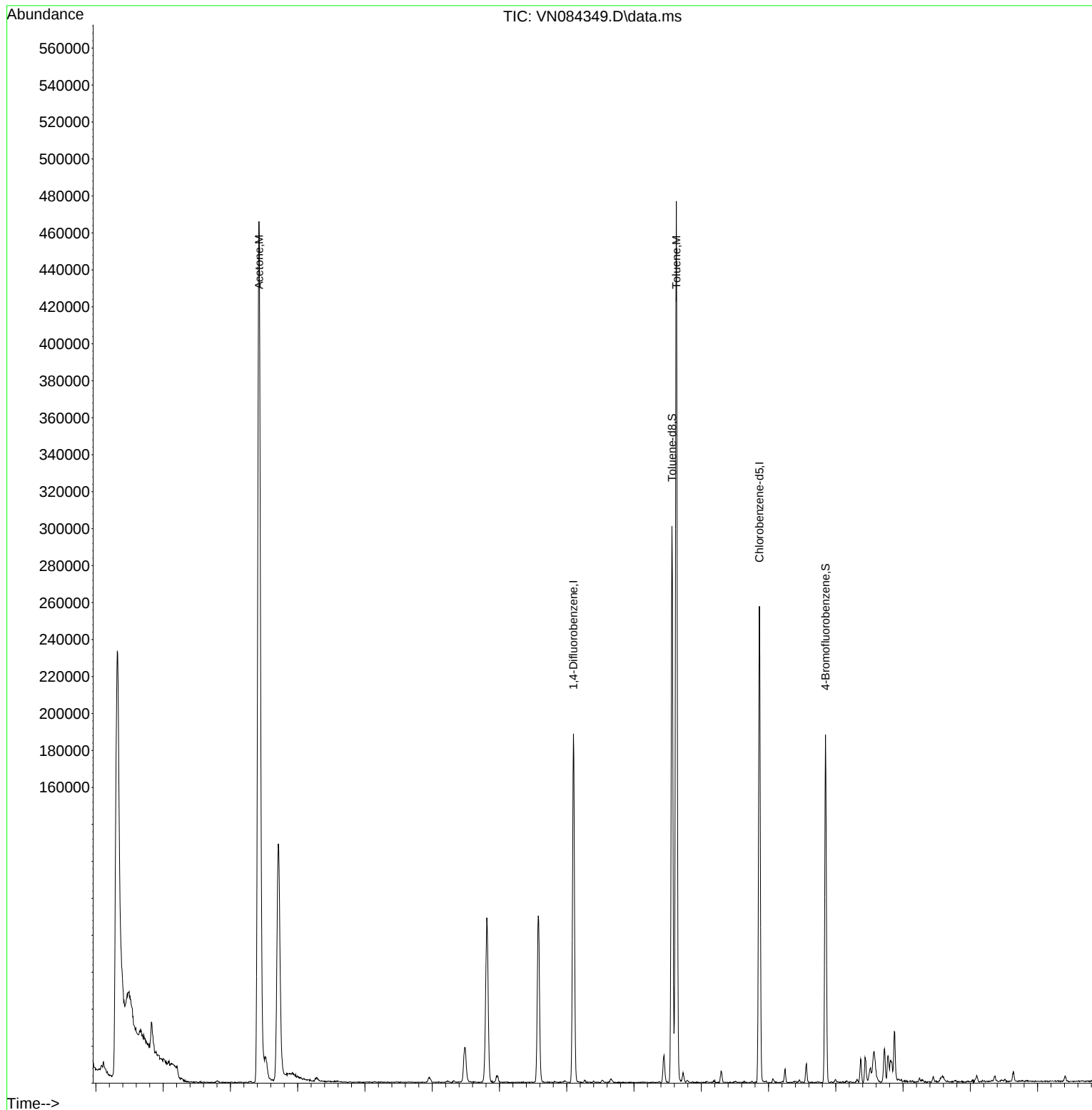
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.812  | 128   | 30781    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.100  | 114   | 158595   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.865 | 117   | 149399   | 30.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.577  | 65    | 77489    | 31.269   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 104.233% |
| 60) 4-Bromofluorobenzene    | 12.847 | 95    | 65501    | 26.565   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 88.533%  |
| 63) Toluene-d8              | 10.565 | 98    | 201772   | 29.153   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 97.167%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 15) Acetone                 | 4.424  | 58    | 280218   | 909.997  | ug/l   | 95       |
| 25) Chloroform              | 7.965  | 83    | 4083     | 1.052    | ug/l   | 99       |
| 30) 2-Butanone              | 7.488  | 43    | 33526    | 24.187   | ug/l # | 95       |
| 58) 4-Methyl-2-Pentanone    | 10.441 | 43    | 11054    | 3.972    | ug/l # | 68       |
| 62) Toluene                 | 10.629 | 91    | 355507   | 40.647   | ug/l   | 100      |
| 82) p-Isopropyltoluene      | 13.729 | 119   | 7489     | 1.014    | ug/l   | 97       |
| 91) Naphthalene             | 15.641 | 128   | 5304     | 0.780    | ug/l # | 94       |
| -----                       |        |       |          |          |        |          |

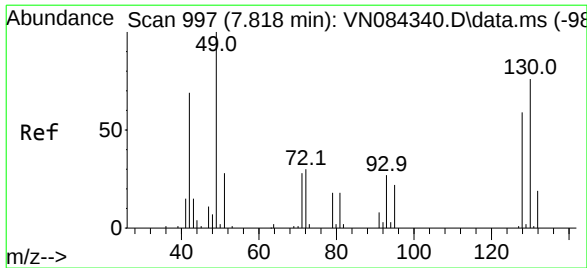
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P4334-02  
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ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 09 02:31:09 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N100824W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Oct 09 02:21:08 2024  
Response via : Initial Calibration

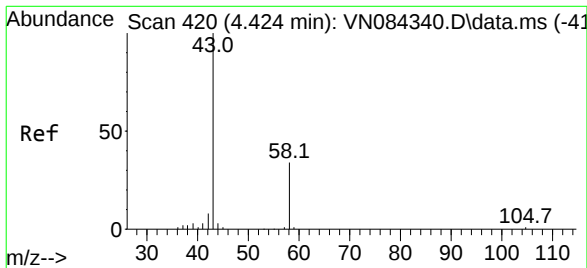
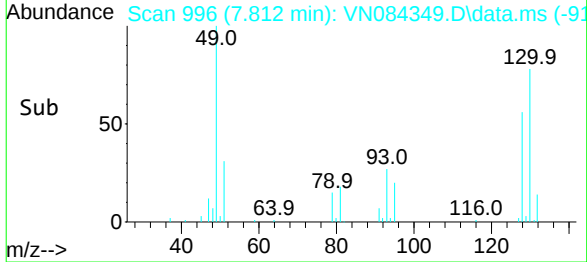
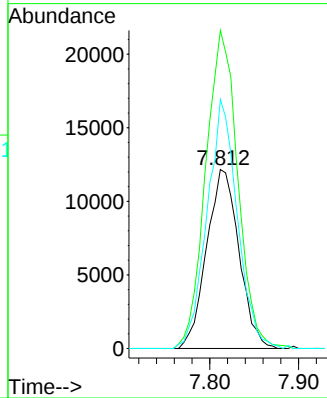
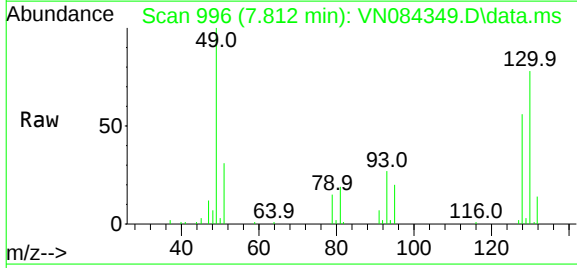




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VN084349.D  
Acq: 08 Oct 2024 15:17

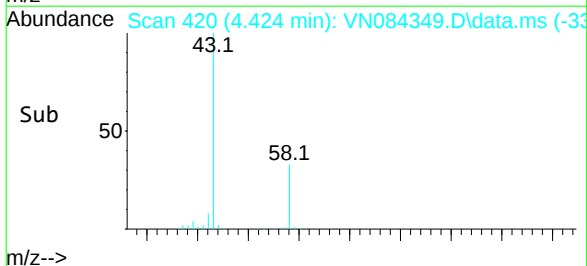
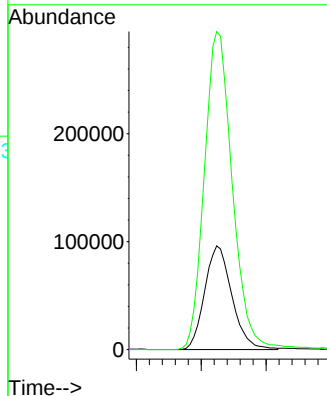
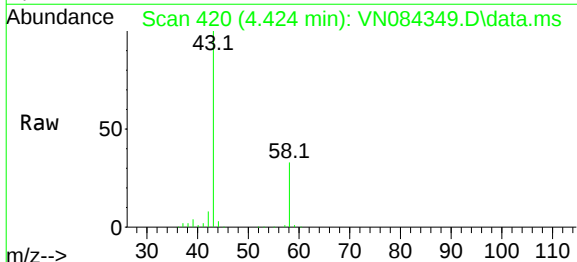
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(SEP)

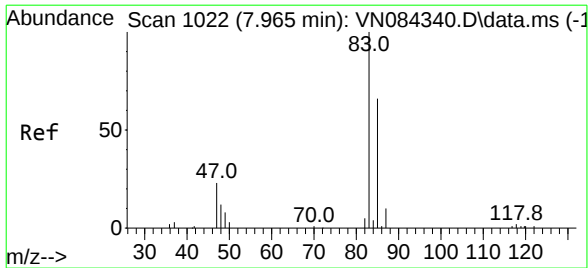
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 175.9 | 0.0   | 430.0 |
| 130     | 130.1 | 0.0   | 329.8 |



#15  
Acetone  
Concen: 909.997 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: VN084349.D  
Acq: 08 Oct 2024 15:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 58      | 100   |       |       |
| 43      | 306.2 | 237.5 | 356.3 |

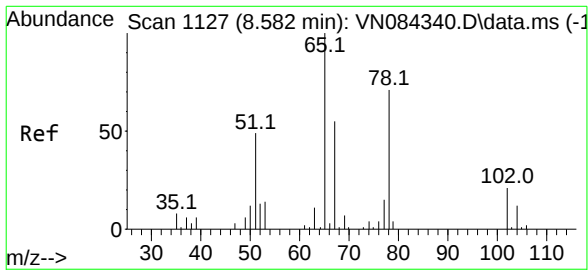
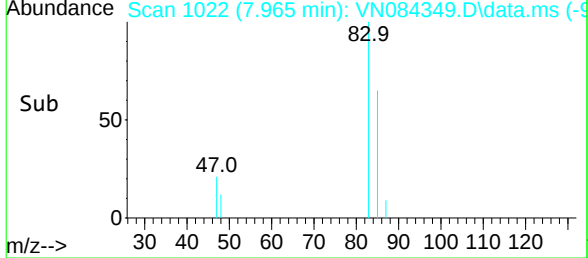
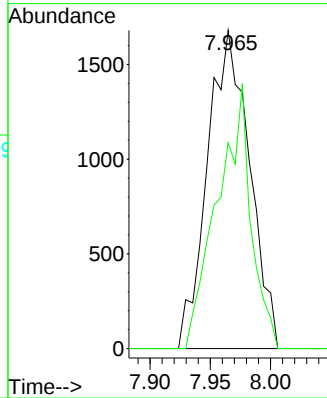
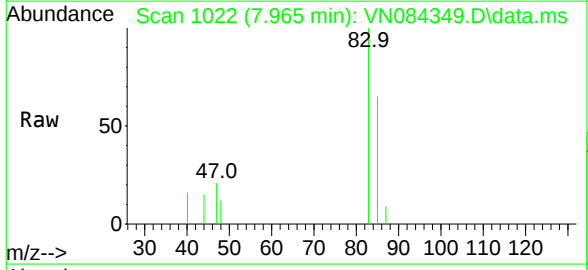




#25  
 Chloroform  
 Concen: 1.052 ug/l  
 RT: 7.965 min Scan# 1022  
 Delta R.T. -0.000 min  
 Lab File: VN084349.D  
 Acq: 08 Oct 2024 15:17

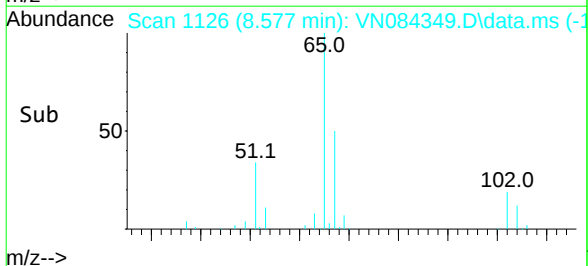
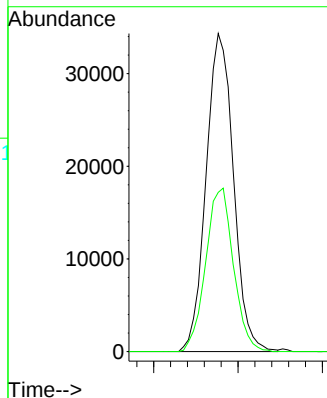
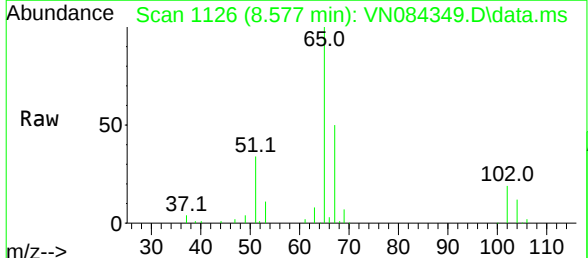
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 002-35TH-AVE(SEP)

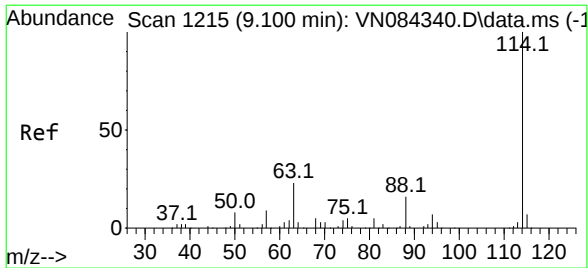
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 4083  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.7  | 52.4  | 78.6  |



#27  
 1,2-Dichloroethane-d4  
 Concen: 31.269 ug/l  
 RT: 8.577 min Scan# 1126  
 Delta R.T. -0.006 min  
 Lab File: VN084349.D  
 Acq: 08 Oct 2024 15:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 77489 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 52.1  | 41.5  | 62.3  |

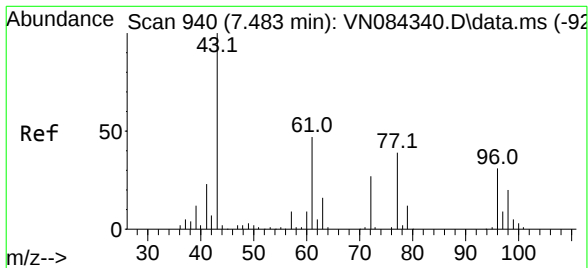
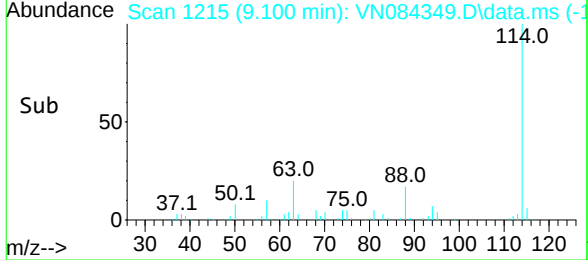
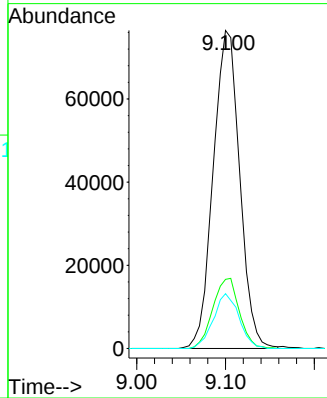
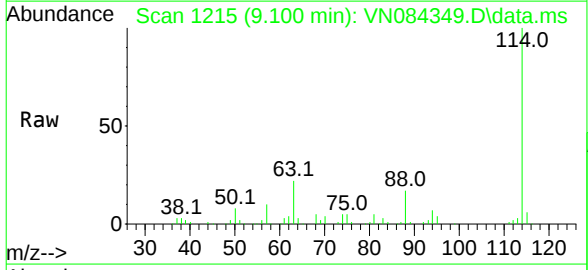




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. -0.000 min  
Lab File: VN084349.D  
Acq: 08 Oct 2024 15:17

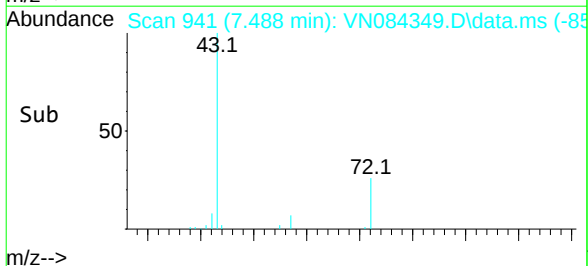
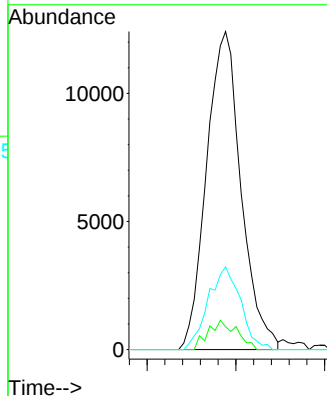
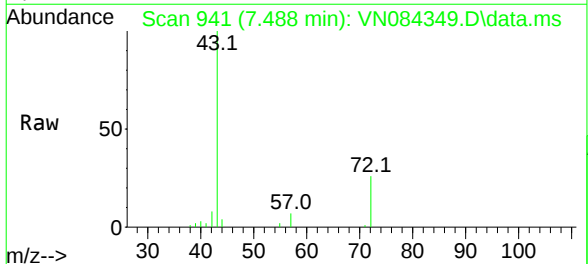
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(SEP)

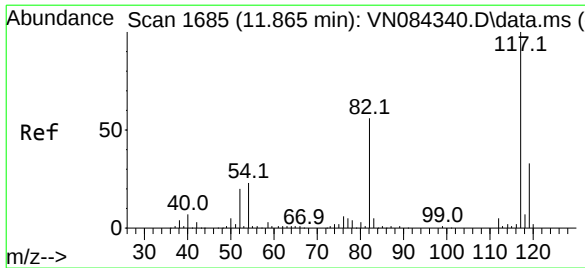
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 158595 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.0  | 17.4  | 26.0   |
| 88       | 16.7  | 13.2  | 19.8   |



#30  
2-Butanone  
Concen: 24.187 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN084349.D  
Acq: 08 Oct 2024 15:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 33526 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 57       | 5.6   | 6.6   | 9.8#  |
| 72       | 24.4  | 21.3  | 31.9  |

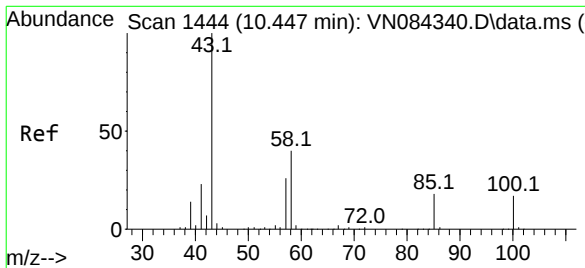
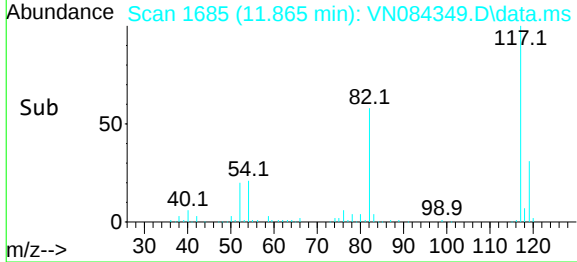
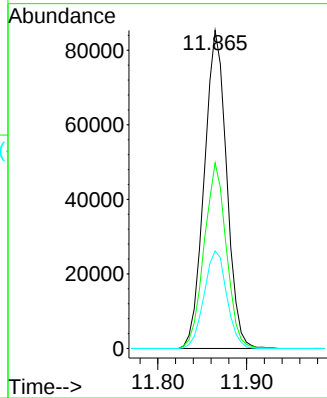
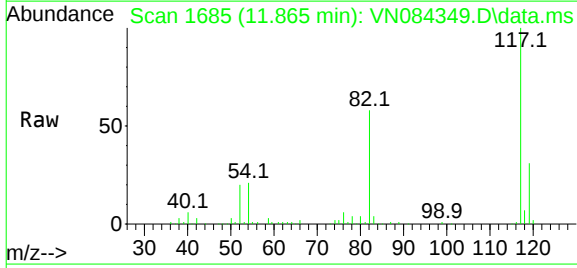




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN084349.D  
Acq: 08 Oct 2024 15:17

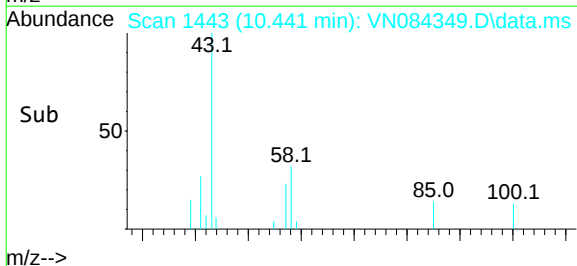
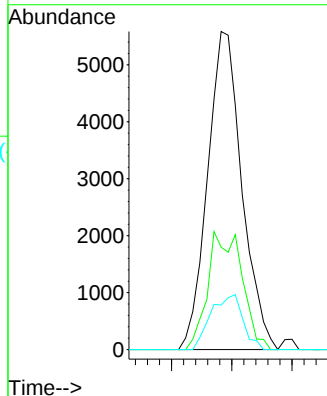
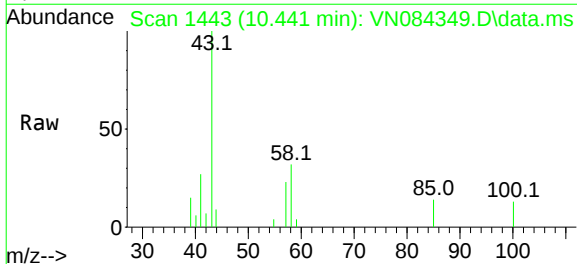
Instrument :  
MSVOA\_N  
ClientSampleId :  
002-35TH-AVE(SEP)

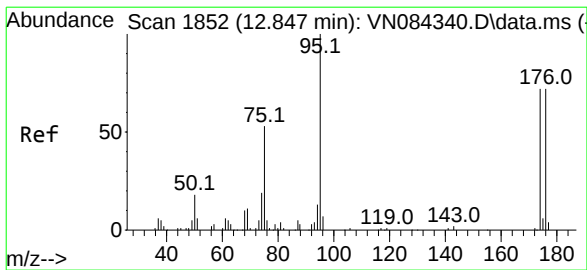
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 149399 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 58.0  | 46.2  | 69.4   |
| 119      | 31.1  | 25.4  | 38.2   |



#58  
4-Methyl-2-Pentanone  
Concen: 3.972 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: VN084349.D  
Acq: 08 Oct 2024 15:17

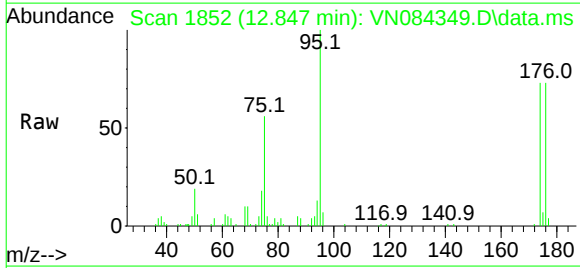
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 11054 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 22.9  | 31.9  | 47.9# |
| 85       | 0.0   | 14.6  | 22.0# |



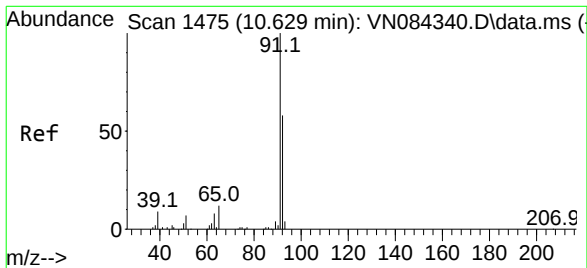
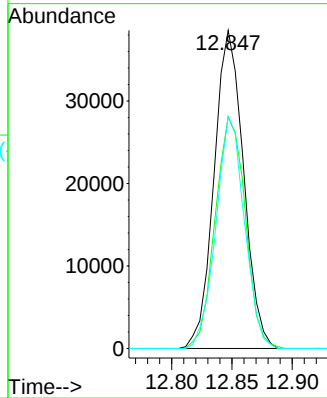
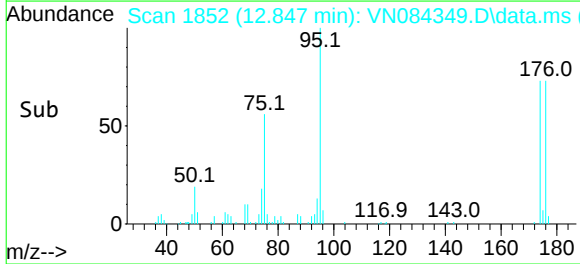


#60  
4-Bromofluorobenzene  
Concen: 26.565 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN084349.D  
Acq: 08 Oct 2024 15:17

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

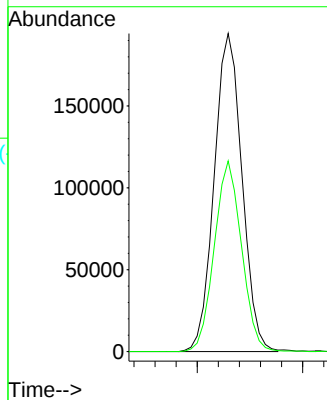
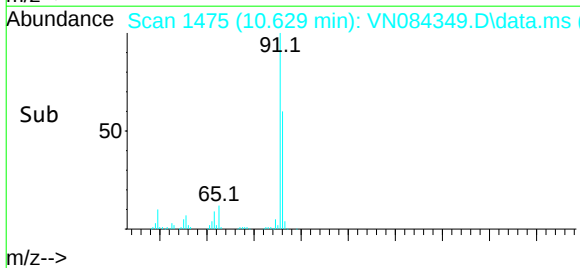
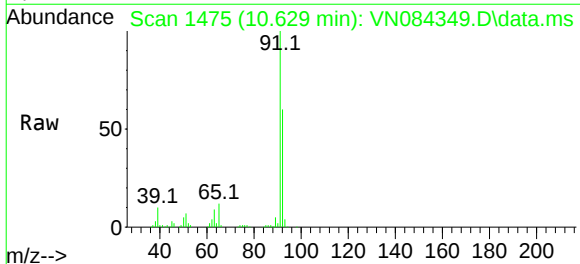


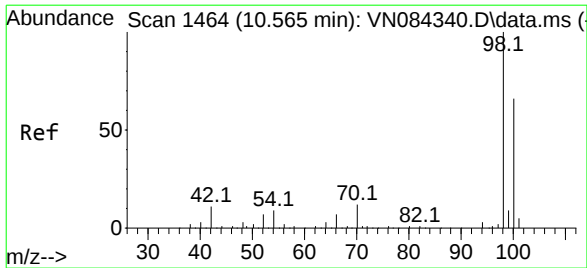
Tgt Ion: 95 Resp: 65501  
Ion Ratio Lower Upper  
95 100  
174 74.5 58.2 87.2  
176 70.7 56.4 84.6



#62  
Toluene  
Concen: 40.647 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN084349.D  
Acq: 08 Oct 2024 15:17

Tgt Ion: 91 Resp: 355507  
Ion Ratio Lower Upper  
91 100  
92 58.7 47.2 70.8





#63

Toluene-d8

Concen: 29.153 ug/l

RT: 10.565 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN084349.D

Acq: 08 Oct 2024 15:17

Instrument :

MSVOA\_N

ClientSampleId :

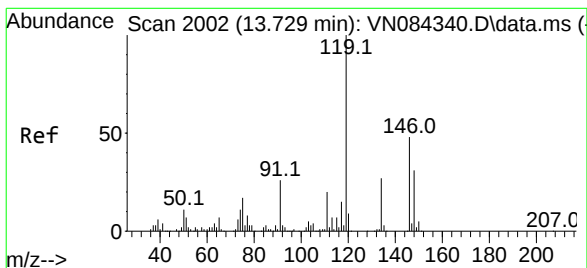
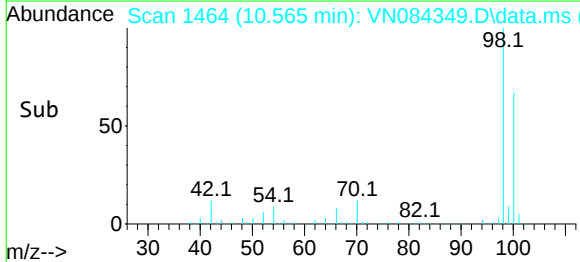
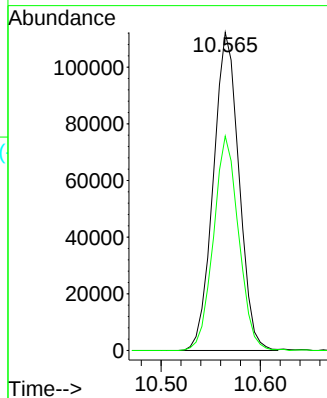
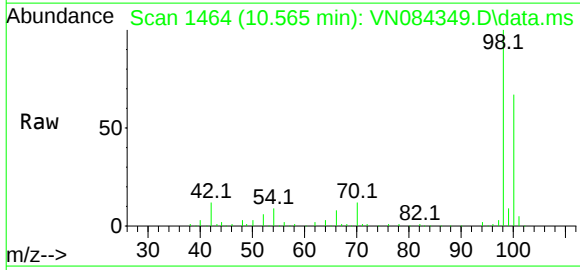
002-35TH-AVE(SEP)

Tgt Ion: 98 Resp: 201772

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7



#82

p-Isopropyltoluene

Concen: 1.014 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN084349.D

Acq: 08 Oct 2024 15:17

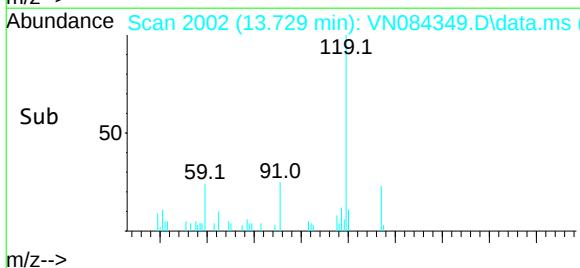
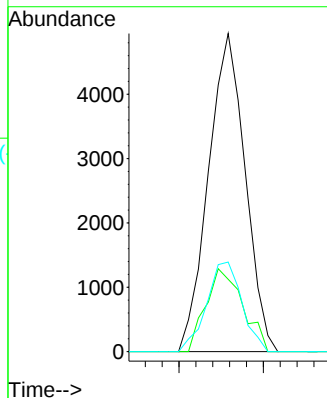
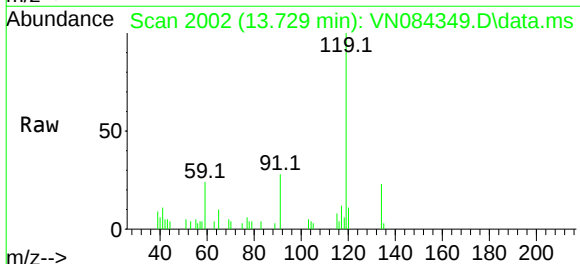
Tgt Ion:119 Resp: 7489

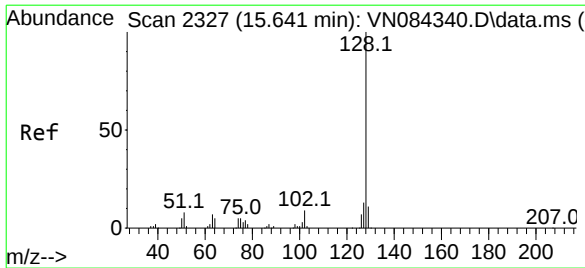
Ion Ratio Lower Upper

119 100

134 26.2 0.0 50.2

91 27.0 0.0 50.6





#91  
Naphthalene  
Concen: 0.780 ug/l  
RT: 15.641 min Scan# 23  
Delta R.T. -0.000 min  
Lab File: VN084349.D  
Acq: 08 Oct 2024 15:17

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

Tgt Ion:128 Resp: 5304  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.3 15.5  
129 6.7 8.8 13.2#

