

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031425\  
 Data File : VX045292.D  
 Acq On : 14 Mar 2025 13:22  
 Operator : JC/MD  
 Sample : Q1495-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 002-35TH-AVE(MAR)

Quant Time: Mar 15 03:58:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X022125W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Feb 22 01:06:36 2025  
 Response via : Initial Calibration

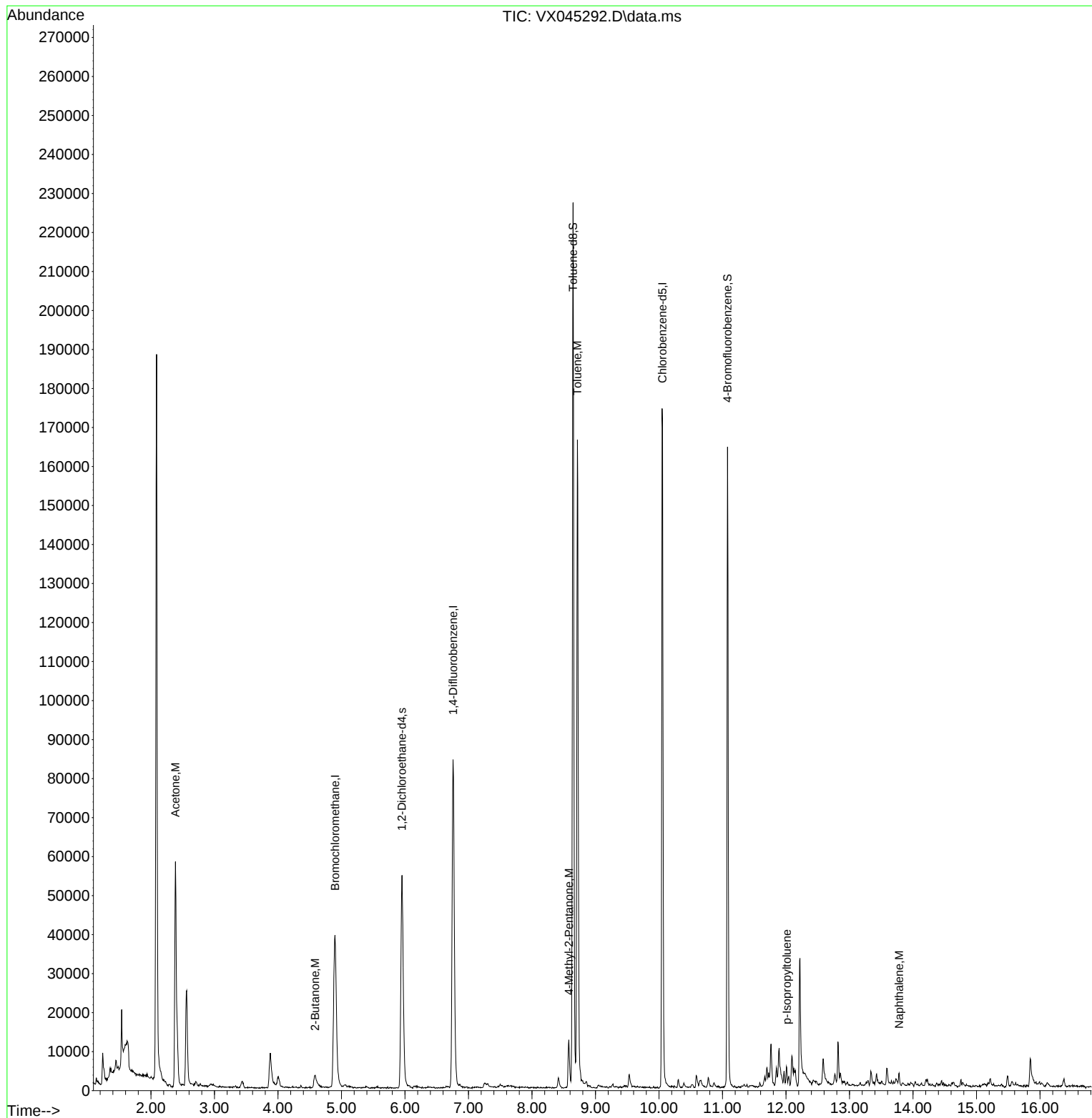
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.898  | 128   | 16144    | 30.000   | ug/l   | 0.01     |
| 28) 1,4-Difluorobenzene     | 6.757  | 114   | 84818    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 76342    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.952  | 65    | 50209    | 32.021   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 106.733% |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 42702    | 29.926   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 99.767%  |
| 63) Toluene-d8              | 8.647  | 98    | 126300   | 29.905   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 99.667%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 2.386  | 58    | 18540    | 97.181   | ug/l   | 98       |
| 30) 2-Butanone              | 4.587  | 43    | 7511m    | 8.335    | ug/l   |          |
| 58) 4-Methyl-2-Pentanone    | 8.580  | 43    | 8093     | 4.660    | ug/l   | 98       |
| 62) Toluene                 | 8.714  | 91    | 105892   | 20.939   | ug/l   | 98       |
| 82) p-Isopropyltoluene      | 12.012 | 119   | 2068     | 0.468    | ug/l   | 91       |
| 91) Naphthalene             | 13.780 | 128   | 2032     | 0.433    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

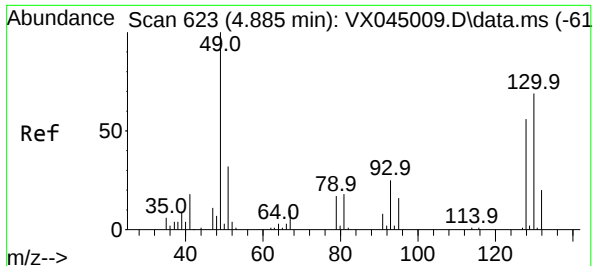
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
002-35TH-AVE(MAR)

Quant Time: Mar 15 03:58:53 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X022125W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Feb 22 01:06:36 2025  
Response via : Initial Calibration

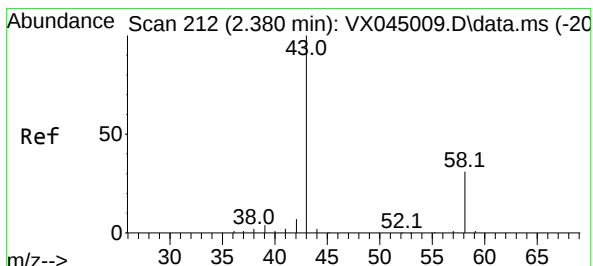
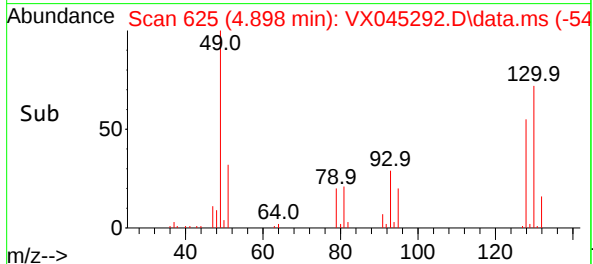
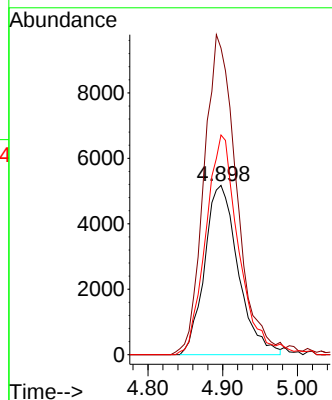
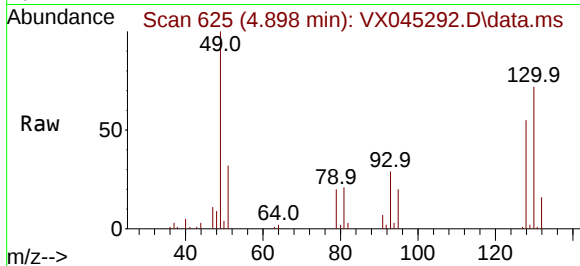




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.898 min Scan# 61  
Delta R.T. 0.013 min  
Lab File: VX045292.D  
Acq: 14 Mar 2025 13:22

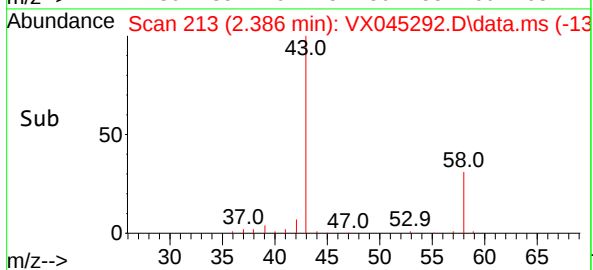
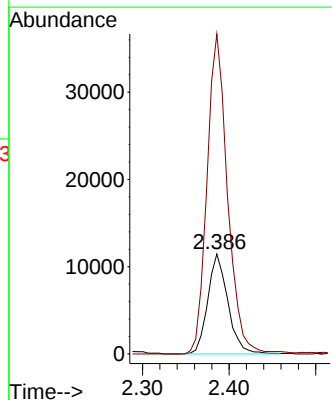
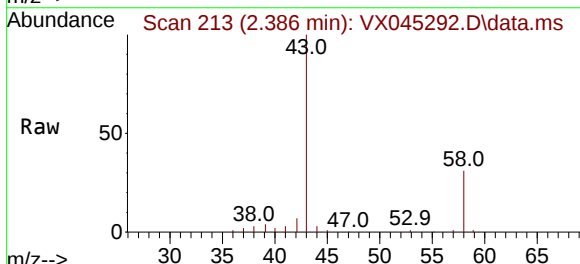
Instrument :  
MSVOA\_X  
ClientSampleId :  
002-35TH-AVE(MAR)

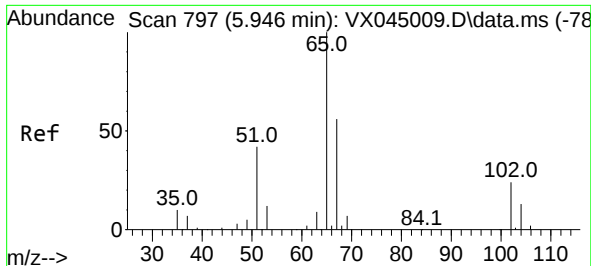
Tgt Ion:128 Resp: 16144  
Ion Ratio Lower Upper  
128 100  
49 182.7 0.0 449.7  
130 125.6 0.0 312.7



#15  
Acetone  
Concen: 97.181 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX045292.D  
Acq: 14 Mar 2025 13:22

Tgt Ion: 58 Resp: 18540  
Ion Ratio Lower Upper  
58 100  
43 320.1 258.6 388.0





#27

1,2-Dichloroethane-d4

Concen: 32.021 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX045292.D

Acq: 14 Mar 2025 13:22

Instrument :

MSVOA\_X

ClientSampleId :

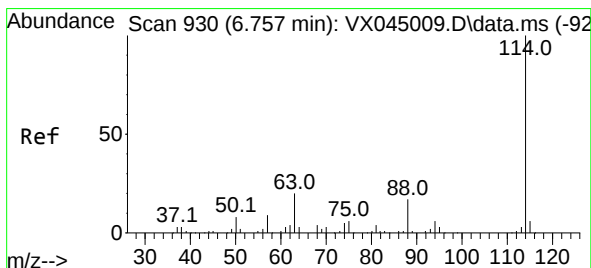
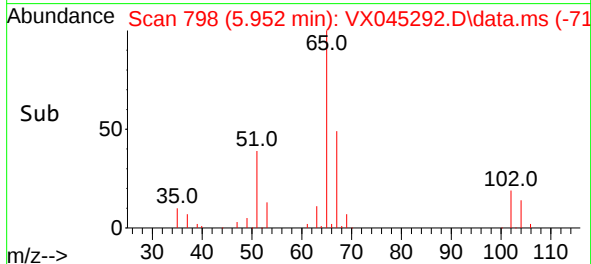
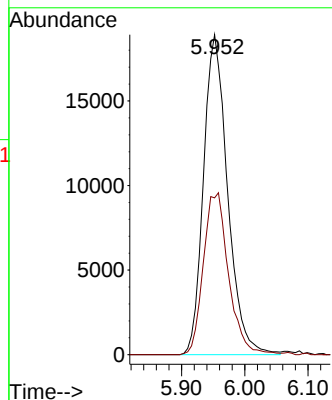
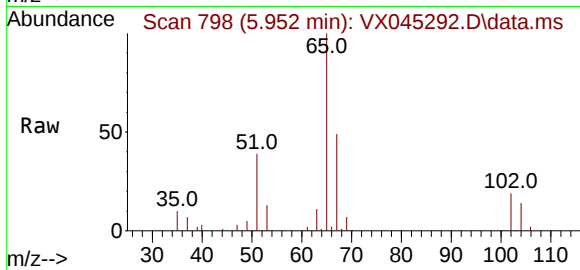
002-35TH-AVE(MAR)

Tgt Ion: 65 Resp: 50209

Ion Ratio Lower Upper

65 100

67 52.9 42.6 64.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045292.D

Acq: 14 Mar 2025 13:22

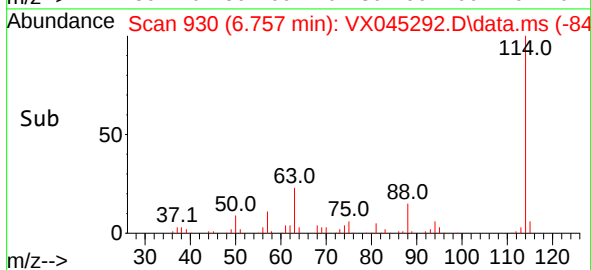
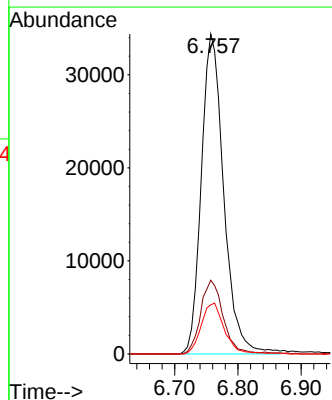
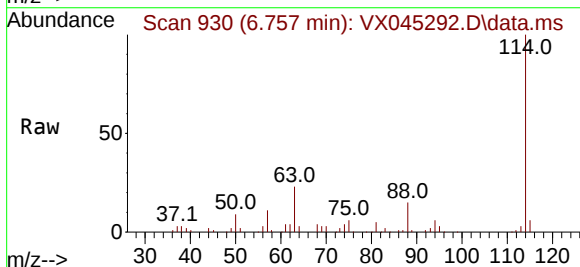
Tgt Ion: 114 Resp: 84818

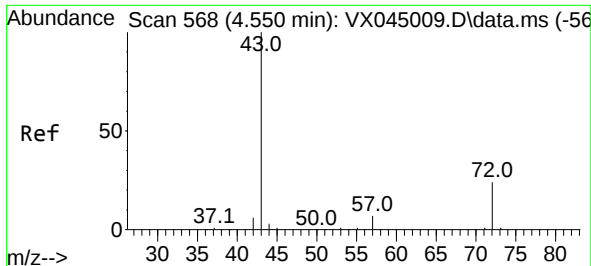
Ion Ratio Lower Upper

114 100

63 22.9 16.8 25.2

88 16.1 12.7 19.1

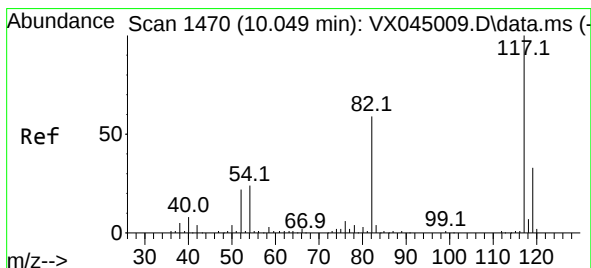
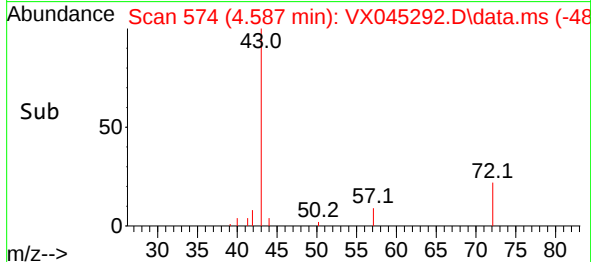
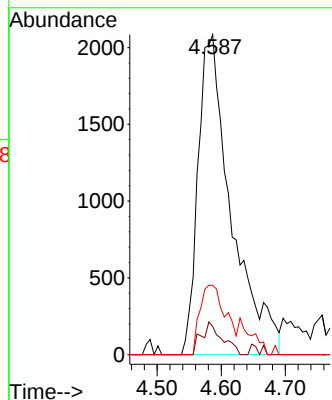
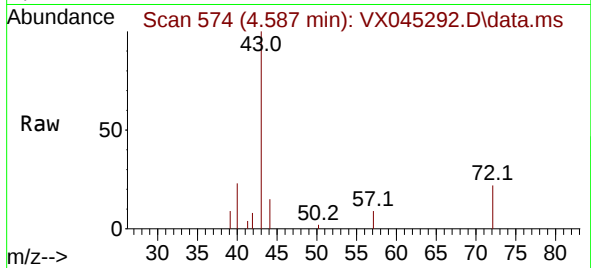




#30  
2-Butanone  
Concen: 8.335 ug/l m  
RT: 4.587 min Scan# 51  
Delta R.T. 0.037 min  
Lab File: VX045292.D  
Acq: 14 Mar 2025 13:22

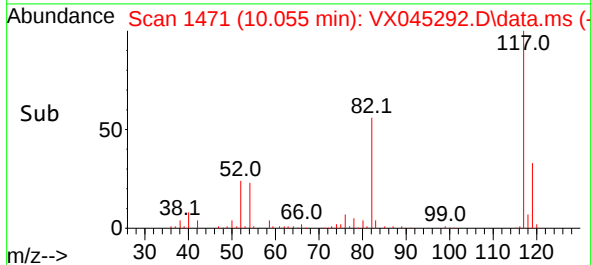
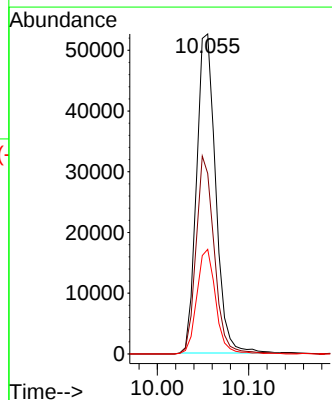
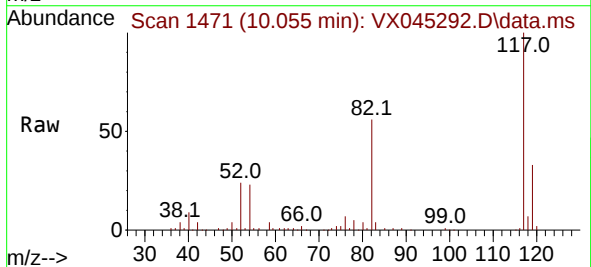
Instrument :  
MSVOA\_X  
ClientSampleId :  
002-35TH-AVE(MAR)

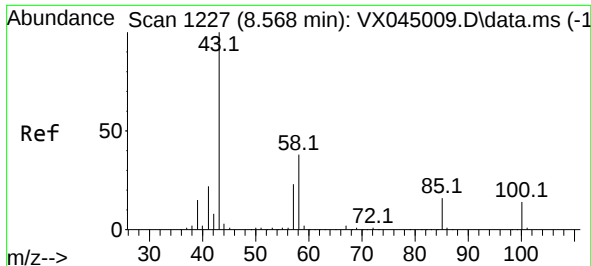
Tgt Ion: 43 Resp: 7511  
Ion Ratio Lower Upper  
43 100  
57 1.8 6.2 9.2#  
72 0.0 20.2 30.2#



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX045292.D  
Acq: 14 Mar 2025 13:22

Tgt Ion: 117 Resp: 76342  
Ion Ratio Lower Upper  
117 100  
82 59.0 45.8 68.8  
119 32.4 25.5 38.3





#58

4-Methyl-2-Pentanone

Concen: 4.660 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX045292.D

Acq: 14 Mar 2025 13:22

Instrument :

MSVOA\_X

ClientSampleId :

002-35TH-AVE(MAR)

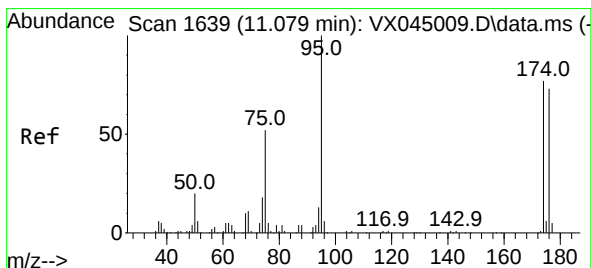
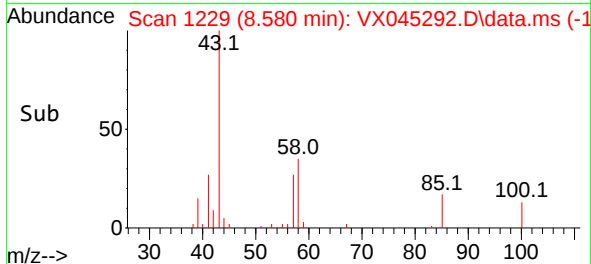
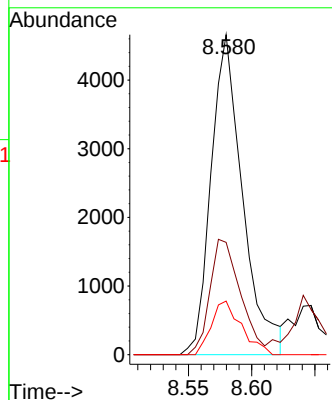
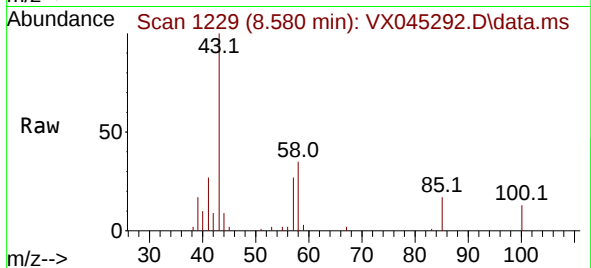
Tgt Ion: 43 Resp: 8093

Ion Ratio Lower Upper

43 100

58 34.9 29.5 44.3

85 16.0 12.9 19.3



#60

4-Bromofluorobenzene

Concen: 29.926 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045292.D

Acq: 14 Mar 2025 13:22

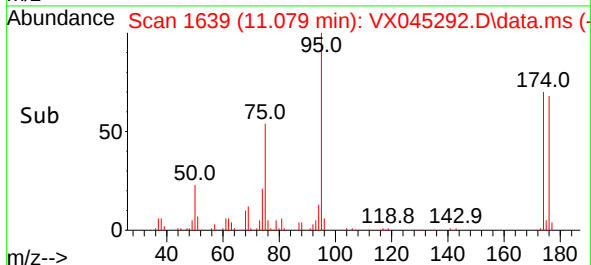
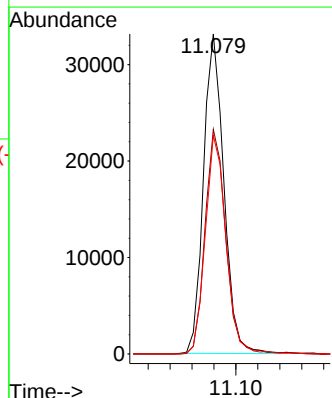
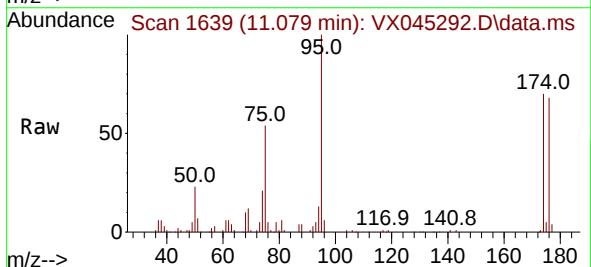
Tgt Ion: 95 Resp: 42702

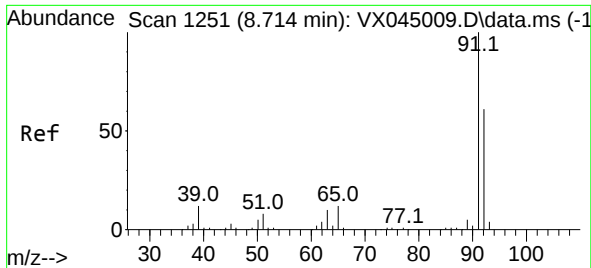
Ion Ratio Lower Upper

95 100

174 71.1 59.5 89.3

176 68.9 55.5 83.3

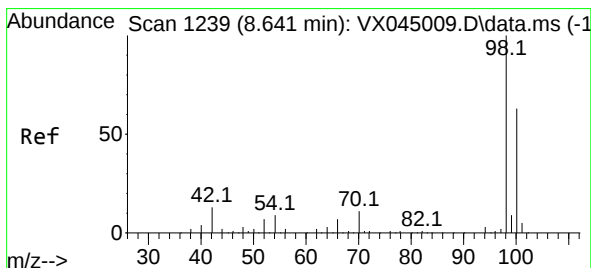
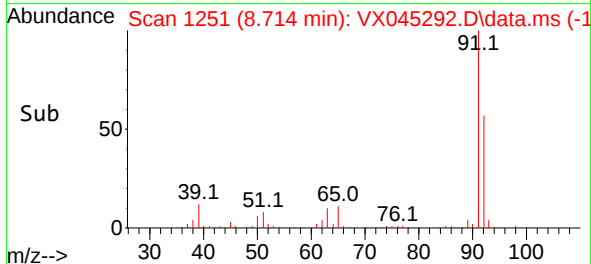
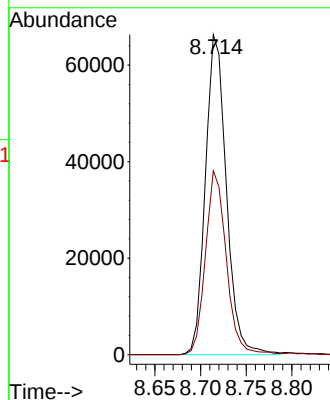
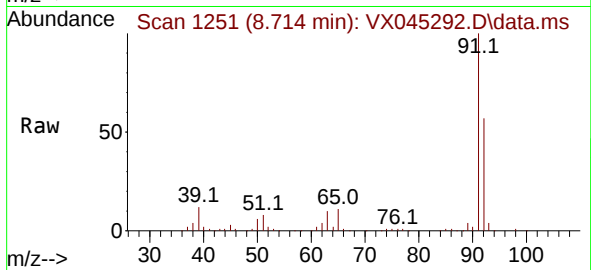




#62  
Toluene  
Concen: 20.939 ug/l  
RT: 8.714 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045292.D  
Acq: 14 Mar 2025 13:22

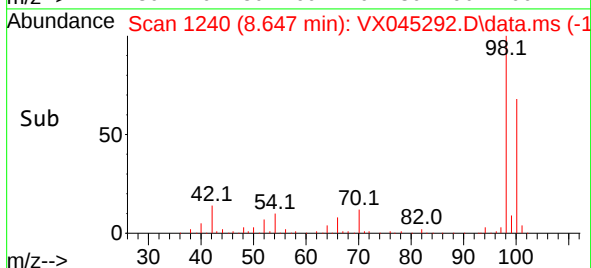
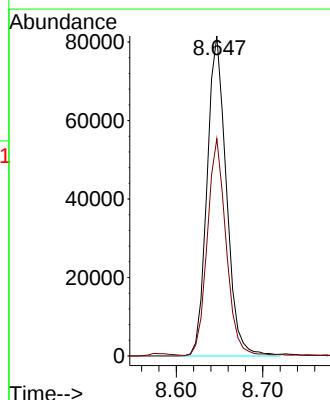
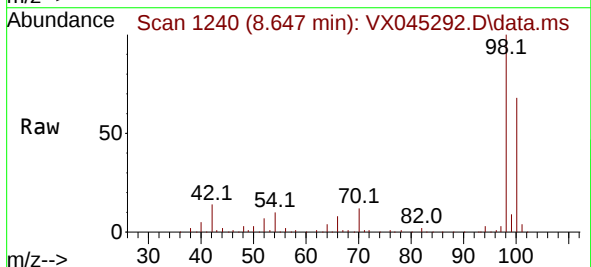
Instrument :  
MSVOA\_X  
ClientSampleId :  
002-35TH-AVE(MAR)

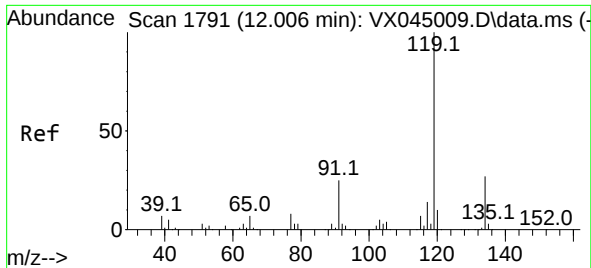
Tgt Ion: 91 Resp: 105892  
Ion Ratio Lower Upper  
91 100  
92 57.1 46.9 70.3



#63  
Toluene-d8  
Concen: 29.905 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VX045292.D  
Acq: 14 Mar 2025 13:22

Tgt Ion: 98 Resp: 126300  
Ion Ratio Lower Upper  
98 100  
100 65.5 51.7 77.5

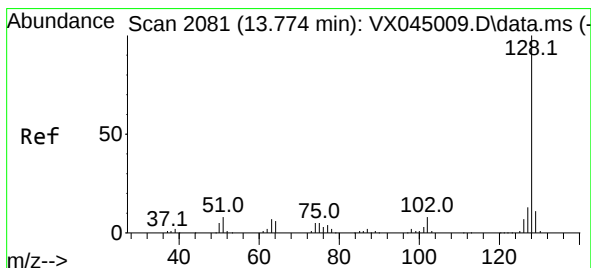
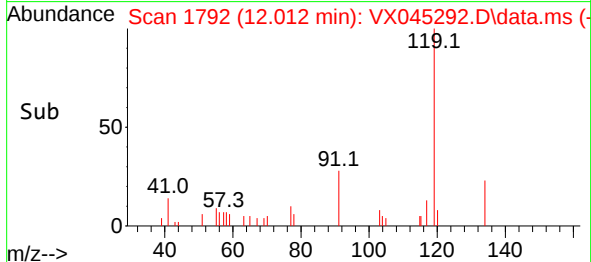
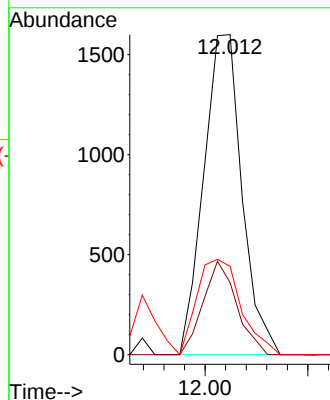
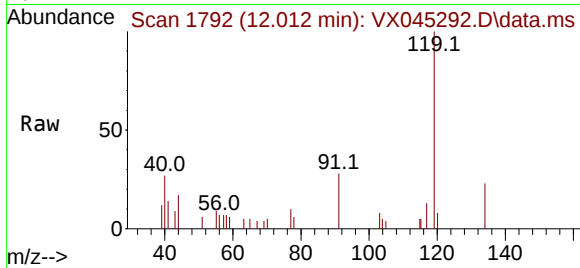




#82  
p-Isopropyltoluene  
Concen: 0.468 ug/l  
RT: 12.012 min Scan# 119  
Delta R.T. 0.006 min  
Lab File: VX045292.D  
Acq: 14 Mar 2025 13:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
002-35TH-AVE(MAR)

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:119 | Resp: | 2068        |
| Ion         | Ratio | Lower Upper |
| 119         | 100   |             |
| 134         | 25.7  | 0.0 52.6    |
| 91          | 34.3  | 0.0 51.0    |



#91  
Naphthalene  
Concen: 0.433 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX045292.D  
Acq: 14 Mar 2025 13:22

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:128 | Resp: | 2032        |
| Ion         | Ratio | Lower Upper |
| 128         | 100   |             |
| 127         | 12.7  | 10.5 15.7   |
| 129         | 10.7  | 8.7 13.1    |

