

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081624\  
 Data File : VX043068.D  
 Acq On : 16 Aug 2024 12:05  
 Operator : JC/MD  
 Sample : P3606-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 16 23:53:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X081324W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Aug 13 13:22:56 2024  
 Response via : Initial Calibration

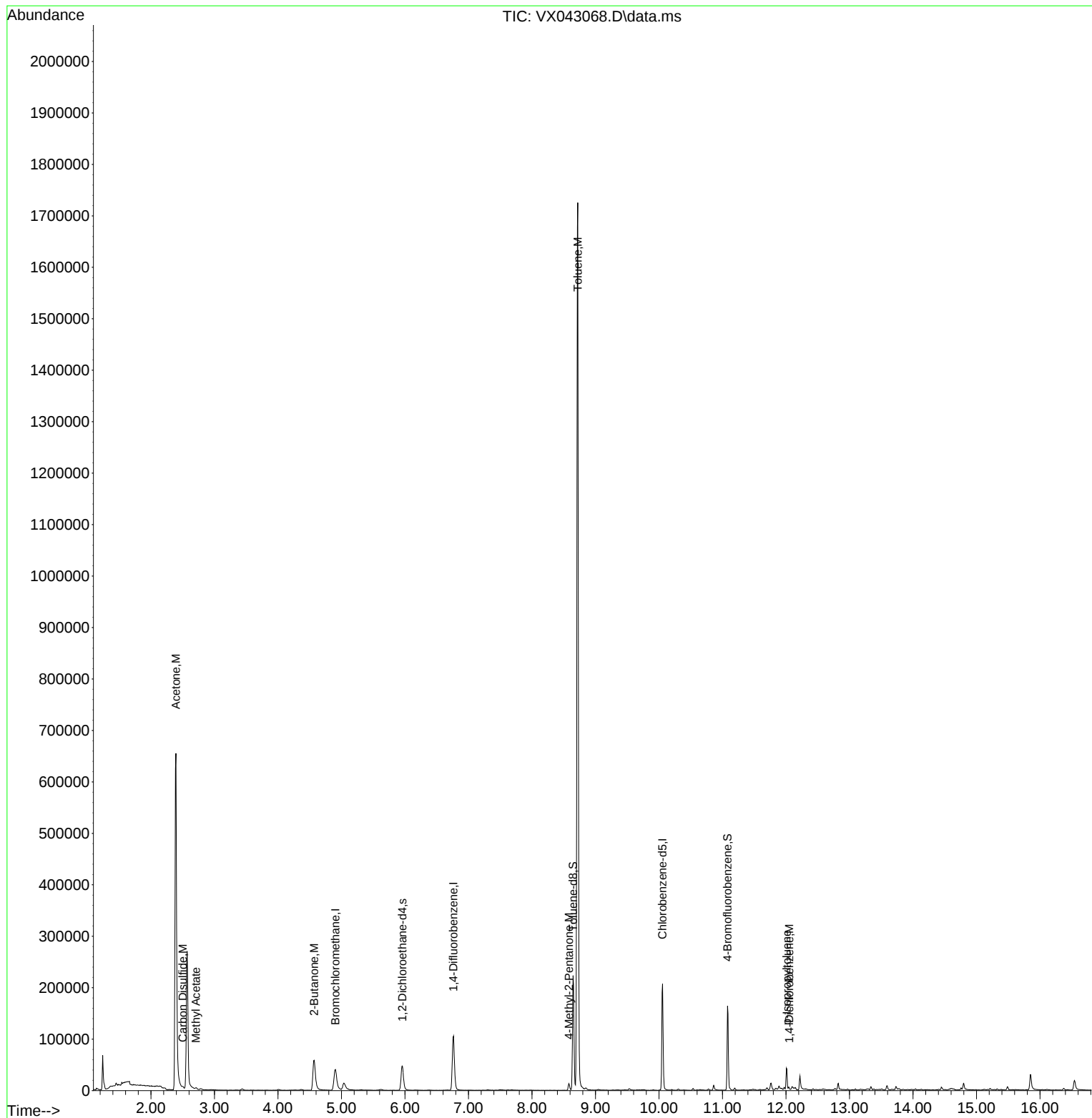
| Compound                    | R.T.   | QIon     | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|--------|----------|----------|---------|---------|----------|
| -----                       |        |          |          |         |         |          |
| Internal Standards          |        |          |          |         |         |          |
| 1) Bromochloromethane       | 4.904  | 128      | 19076    | 30.000  | ug/l    | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.763  | 114      | 111581   | 30.000  | ug/l    | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117      | 99055    | 30.000  | ug/l    | 0.00     |
|                             |        |          |          |         |         |          |
| System Monitoring Compounds |        |          |          |         |         |          |
| 27) 1,2-Dichloroethane-d4   | 5.958  | 65       | 43655    | 28.271  | ug/l    | 0.00     |
| Spiked Amount 30.000        | Range  | 91 - 110 | Recovery | =       | 94.233% |          |
| 60) 4-Bromofluorobenzene    | 11.079 | 95       | 45174    | 26.864  | ug/l    | 0.00     |
| Spiked Amount 30.000        | Range  | 63 - 112 | Recovery | =       | 89.533% |          |
| 63) Toluene-d8              | 8.647  | 98       | 136078   | 29.905  | ug/l    | 0.00     |
| Spiked Amount 30.000        | Range  | 91 - 112 | Recovery | =       | 99.700% |          |
|                             |        |          |          |         |         |          |
| Target Compounds            |        |          |          |         |         | Qvalue   |
| 12) Methyl Acetate          | 2.709  | 43       | 3681     | 1.550   | ug/l    | 93       |
| 15) Acetone                 | 2.392  | 58       | 248281   | 986.966 | ug/l    | 82       |
| 16) Carbon Disulfide        | 2.502  | 76       | 3551     | 0.914   | ug/l #  | 93       |
| 30) 2-Butanone              | 4.568  | 43       | 111192   | 90.615  | ug/l    | 99       |
| 58) 4-Methyl-2-Pentanone    | 8.580  | 43       | 8253     | 3.603   | ug/l    | 99       |
| 62) Toluene                 | 8.720  | 91       | 1148512  | 202.977 | ug/l    | 97       |
| 82) p-Isopropyltoluene      | 12.012 | 119      | 19459    | 3.971   | ug/l    | 98       |
| 84) 1,4-Dichlorobenzene     | 12.049 | 146      | 1004     | 0.411   | ug/l    | 94       |
| -----                       |        |          |          |         |         |          |

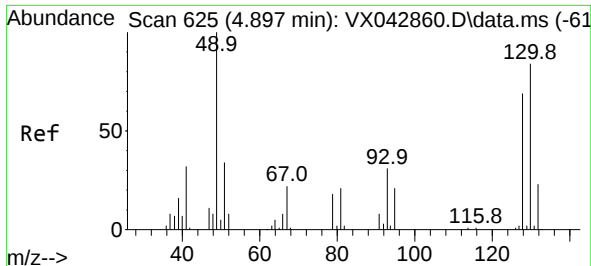
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 16 23:53:59 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X081324W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Aug 13 13:22:56 2024  
Response via : Initial Calibration

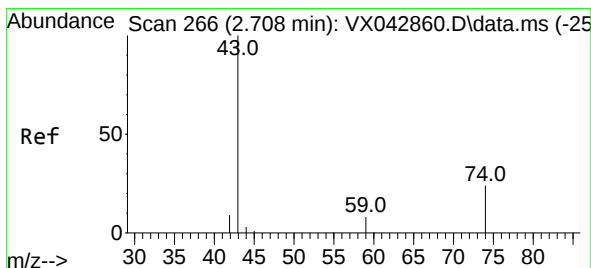
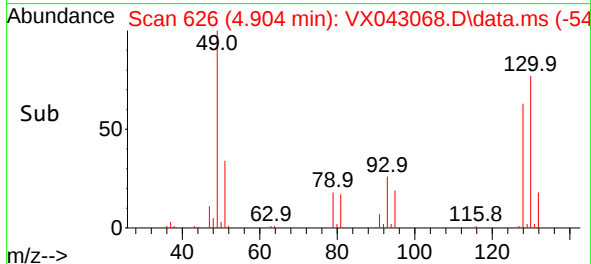
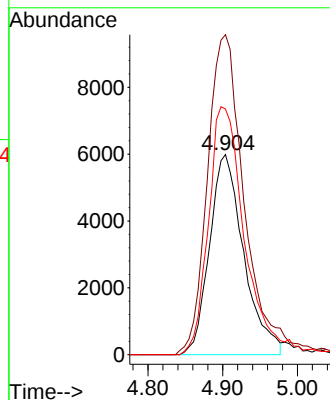
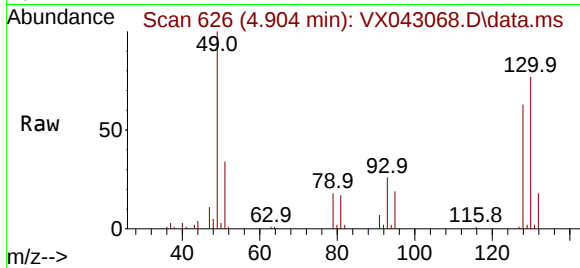




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.904 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX043068.D  
Acq: 16 Aug 2024 12:05

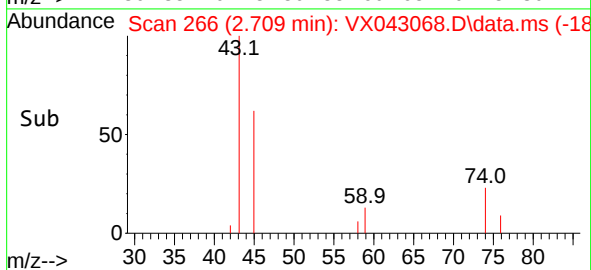
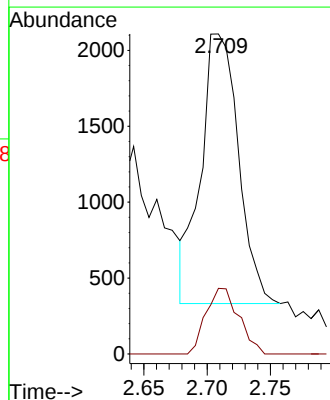
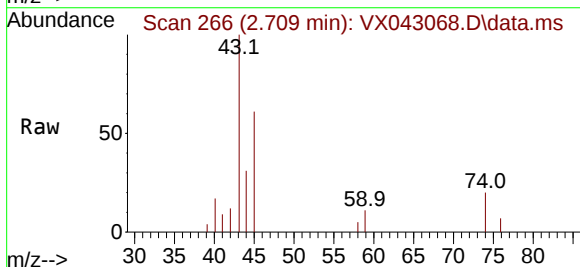
Instrument :  
MSVOA\_X  
ClientSampleId :  
002-35TH-AVE(AUG)

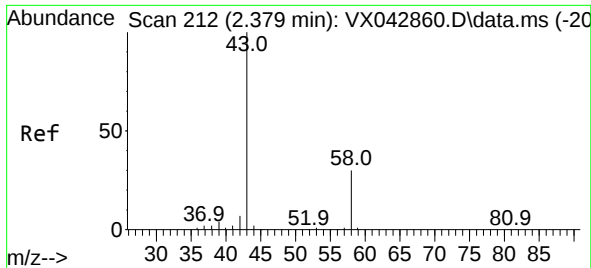
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 173.1 | 0.0   | 400.5 |
| 130     | 128.5 | 0.0   | 333.0 |



#12  
Methyl Acetate  
Concen: 1.550 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.000 min  
Lab File: VX043068.D  
Acq: 16 Aug 2024 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 27.5  | 19.4  | 29.2  |





#15

Acetone

Concen: 986.966 ug/l

RT: 2.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX043068.D

Acq: 16 Aug 2024 12:05

Instrument :

MSVOA\_X

ClientSampleId :

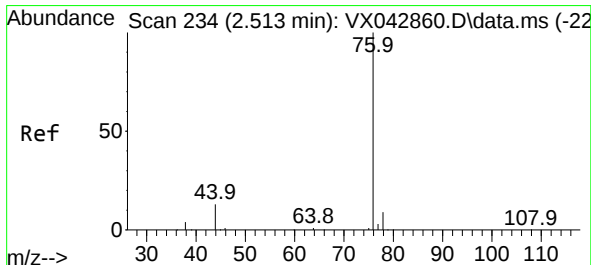
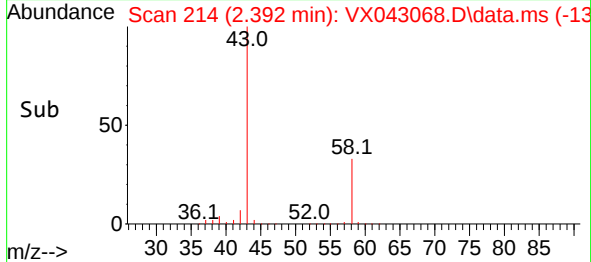
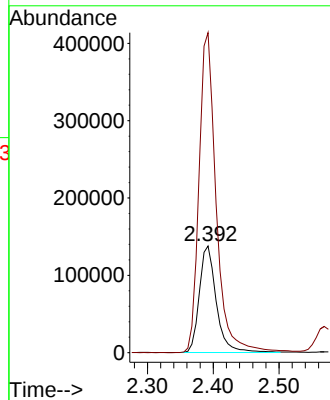
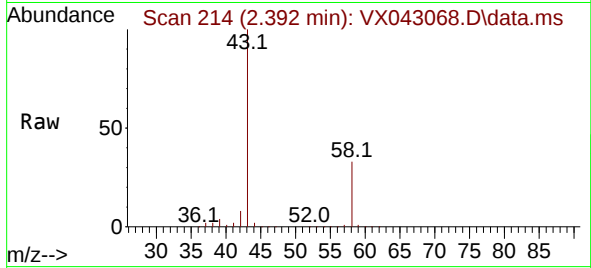
002-35TH-AVE(AUG)

Tgt Ion: 58 Resp: 248281

Ion Ratio Lower Upper

58 100

43 299.9 269.9 404.9



#16

Carbon Disulfide

Concen: 0.914 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX043068.D

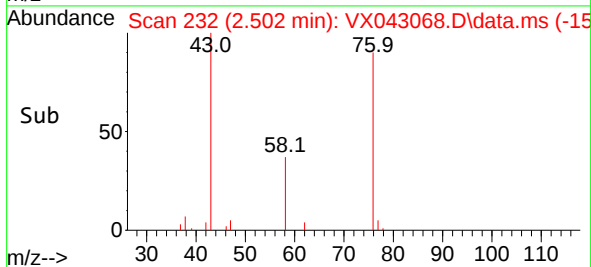
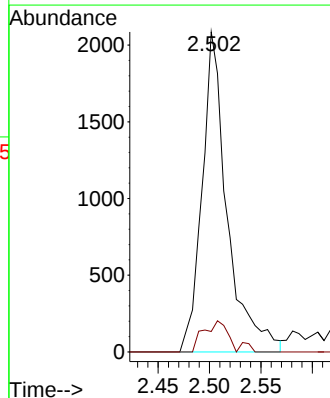
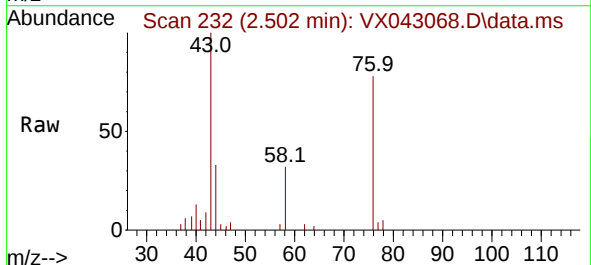
Acq: 16 Aug 2024 12:05

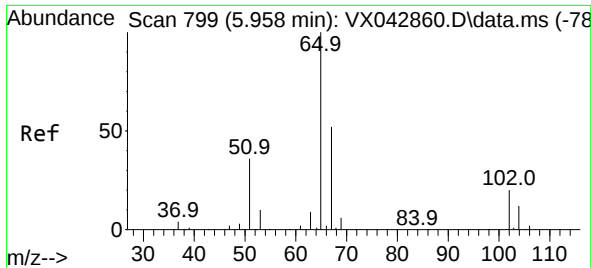
Tgt Ion: 76 Resp: 3551

Ion Ratio Lower Upper

76 100

78 6.4 7.1 10.7#

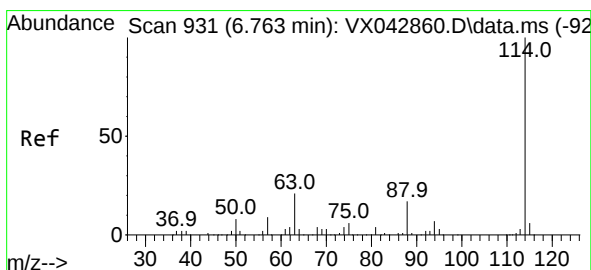
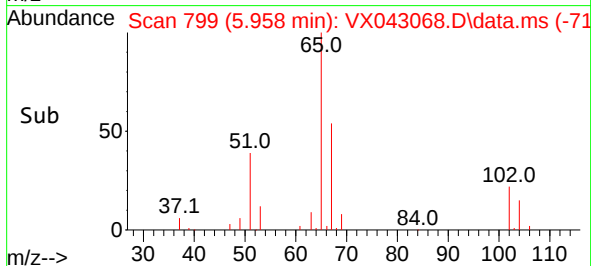
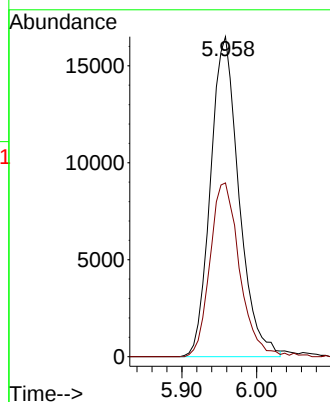
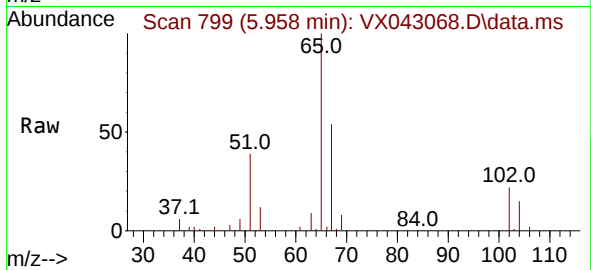




#27  
 1,2-Dichloroethane-d4  
 Concen: 28.271 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX043068.D  
 Acq: 16 Aug 2024 12:05

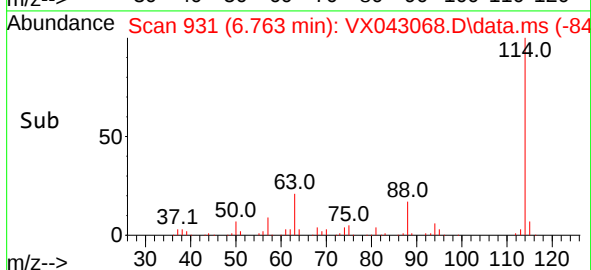
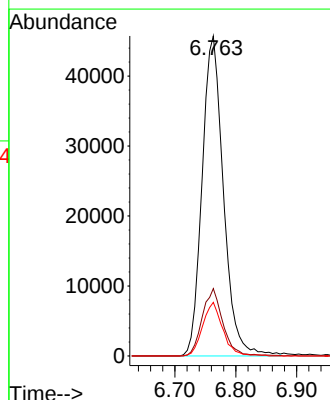
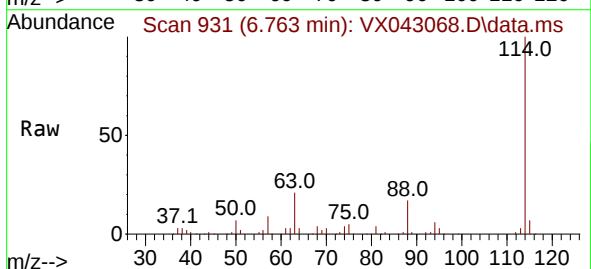
Instrument :  
 MSVOA\_X  
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 002-35TH-AVE(AUG)

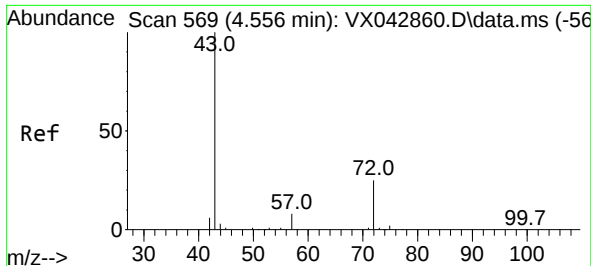
Tgt Ion: 65 Resp: 43655  
 Ion Ratio Lower Upper  
 65 100  
 67 55.9 40.6 60.8



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.006 min  
 Lab File: VX043068.D  
 Acq: 16 Aug 2024 12:05

Tgt Ion: 114 Resp: 111581  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 16.0 24.0  
 88 15.6 12.5 18.7

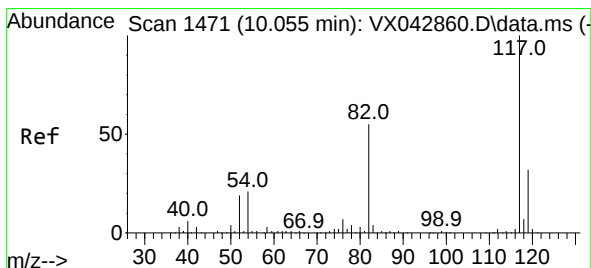
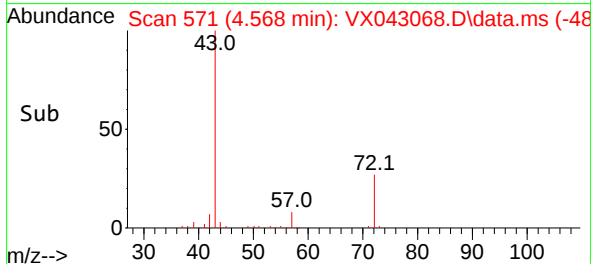
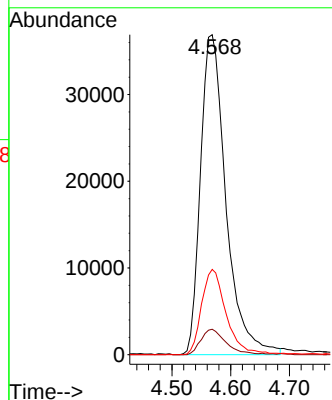
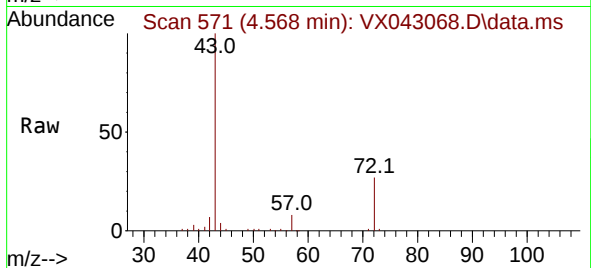




#30  
2-Butanone  
Concen: 90.615 ug/l  
RT: 4.568 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VX043068.D  
Acq: 16 Aug 2024 12:05

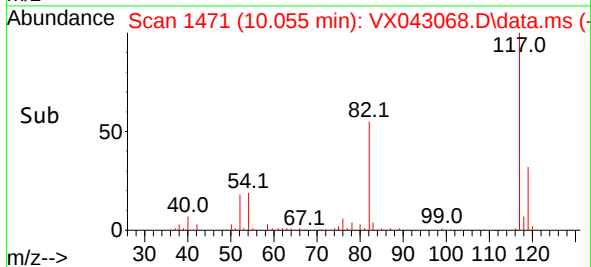
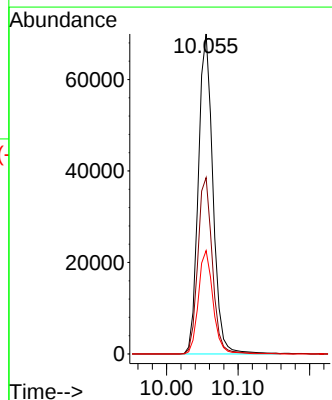
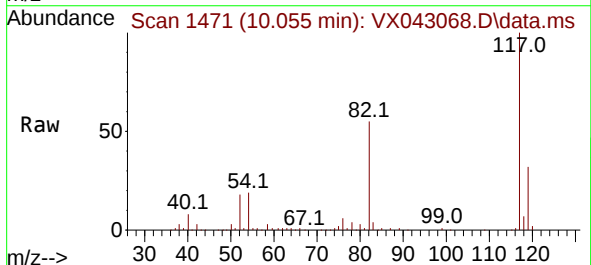
Instrument :  
MSVOA\_X  
ClientSampleId :  
002-35TH-AVE(AUG)

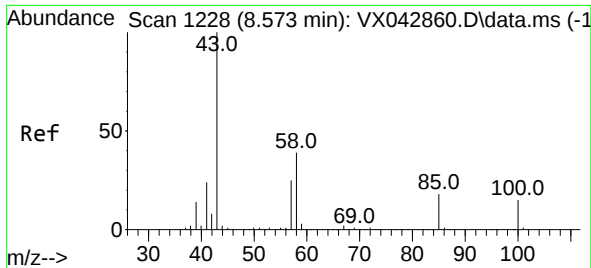
Tgt Ion: 43 Resp: 111192  
Ion Ratio Lower Upper  
43 100  
57 7.8 6.6 10.0  
72 25.6 21.0 31.4



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX043068.D  
Acq: 16 Aug 2024 12:05

Tgt Ion: 117 Resp: 99055  
Ion Ratio Lower Upper  
117 100  
82 54.7 44.9 67.3  
119 32.4 25.4 38.2

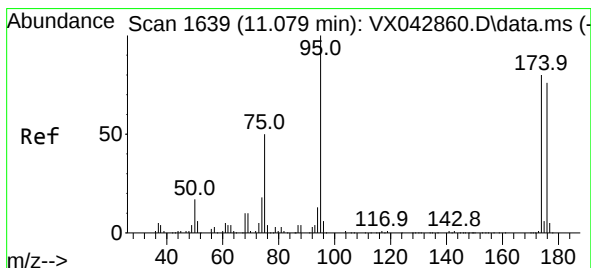
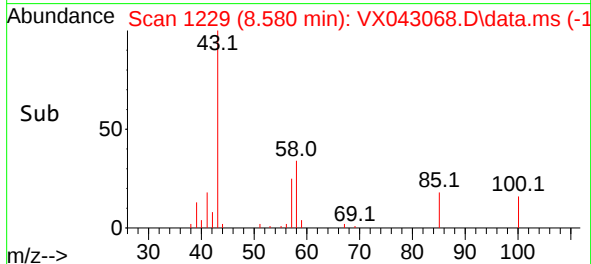
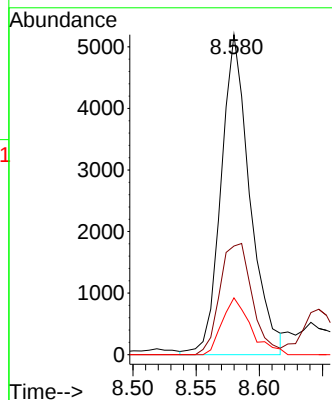
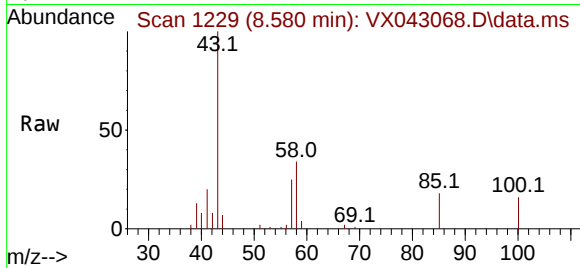




#58  
4-Methyl-2-Pentanone  
Concen: 3.603 ug/l  
RT: 8.580 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX043068.D  
Acq: 16 Aug 2024 12:05

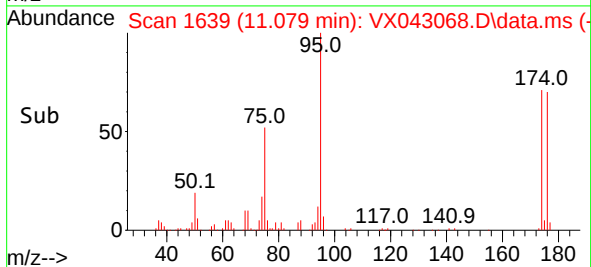
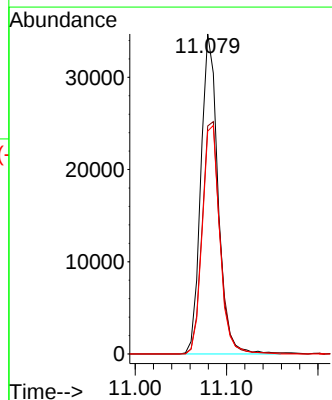
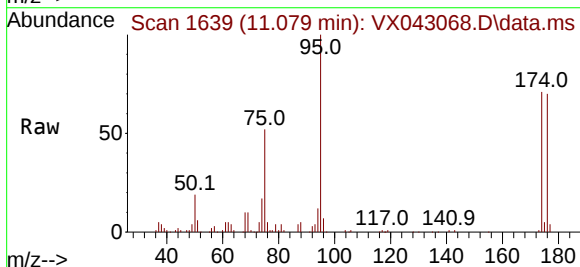
Instrument :  
MSVOA\_X  
ClientSampleId :  
002-35TH-AVE(AUG)

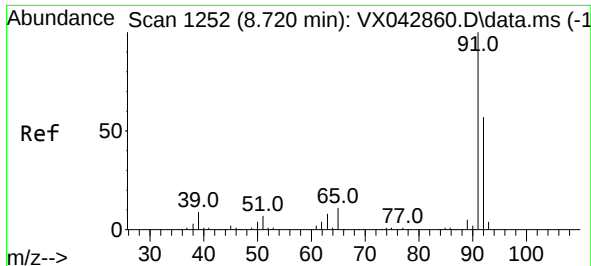
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8253  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 39.0  | 31.4  | 47.0  |
| 85       | 17.6  | 14.6  | 21.8  |



#60  
4-Bromofluorobenzene  
Concen: 26.864 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX043068.D  
Acq: 16 Aug 2024 12:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 45174 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 75.5  | 65.0  | 97.6  |
| 176      | 73.0  | 63.4  | 95.0  |

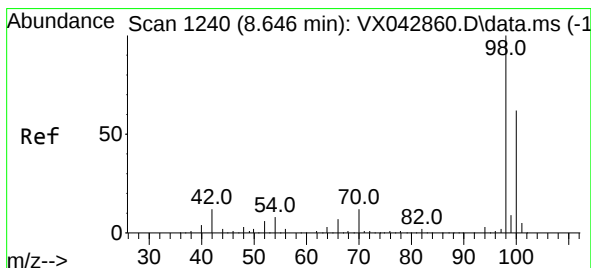
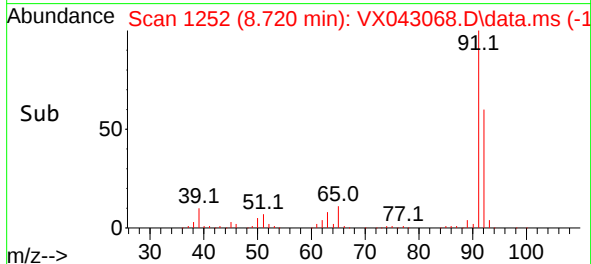
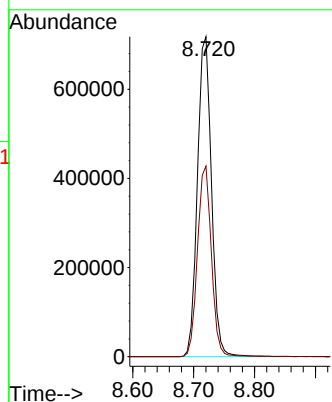
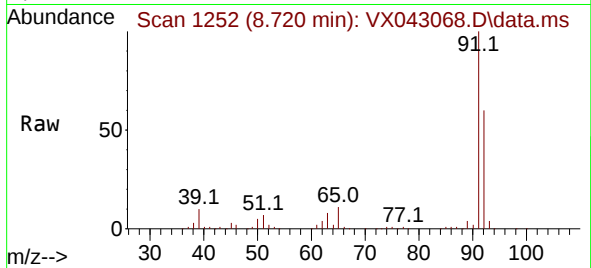




#62  
Toluene  
Concen: 202.977 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX043068.D  
Acq: 16 Aug 2024 12:05

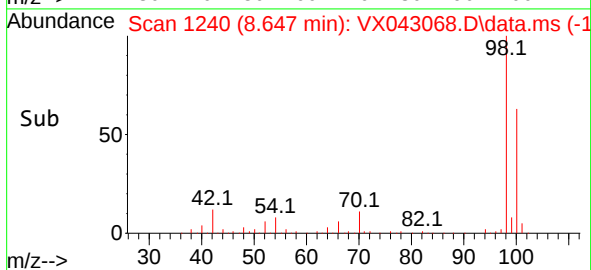
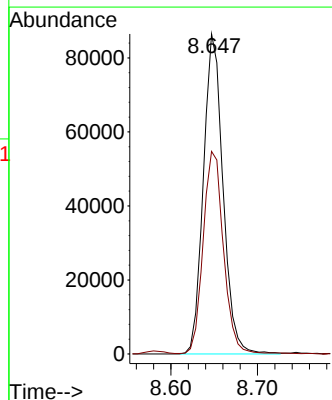
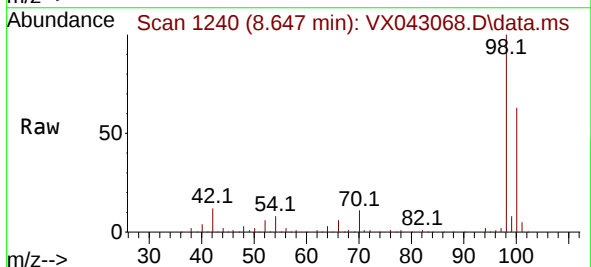
Instrument :  
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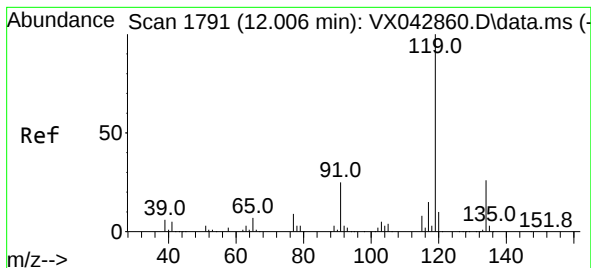
Tgt Ion: 91 Resp: 1148512  
Ion Ratio Lower Upper  
91 100  
92 59.2 45.7 68.5



#63  
Toluene-d8  
Concen: 29.905 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX043068.D  
Acq: 16 Aug 2024 12:05

Tgt Ion: 98 Resp: 136078  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.9 76.3





#82

p-Isopropyltoluene

Concen: 3.971 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX043068.D

Acq: 16 Aug 2024 12:05

Instrument :

MSVOA\_X

ClientSampleId :

002-35TH-AVE(AUG)

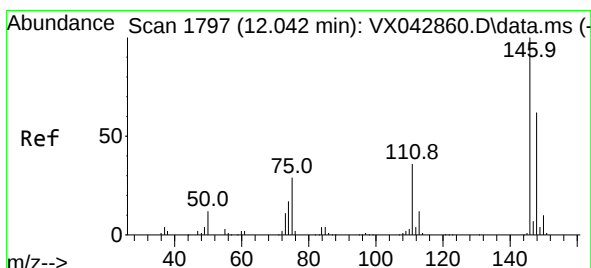
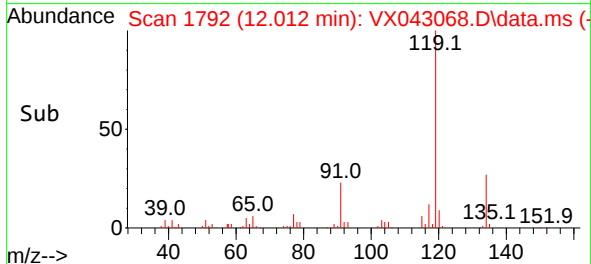
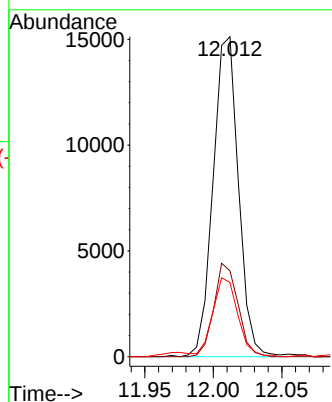
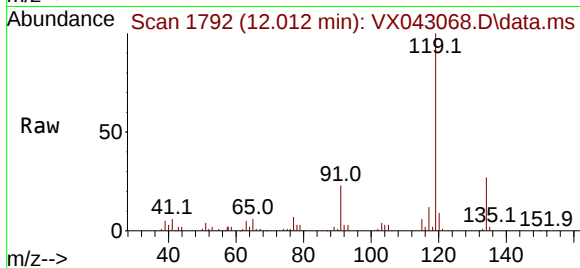
Tgt Ion:119 Resp: 19459

Ion Ratio Lower Upper

119 100

134 27.7 0.0 51.8

91 24.5 0.0 48.4



#84

1,4-Dichlorobenzene

Concen: 0.411 ug/l

RT: 12.049 min Scan# 1798

Delta R.T. 0.006 min

Lab File: VX043068.D

Acq: 16 Aug 2024 12:05

Tgt Ion:146 Resp: 1004

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.4

148 56.0 31.4 94.2

