

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020320\  
 Data File : VX014795.D  
 Acq On : 03 Feb 2020 14:40  
 Operator : JC/SP  
 Sample : L1294-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 M1-1-4-COMP

Quant Time: Feb 10 10:11:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X011520W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jan 15 12:41:12 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.01  | 128  | 68920    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.85  | 114  | 367649   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 327400   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.06   | 65    | 153731   | 31.73    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 105.77% |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 145905   | 27.85    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 92.83%  |
| 63) Toluene-d8            | 8.71   | 98    | 438499   | 29.65    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 98.83%  |

## Target Compounds

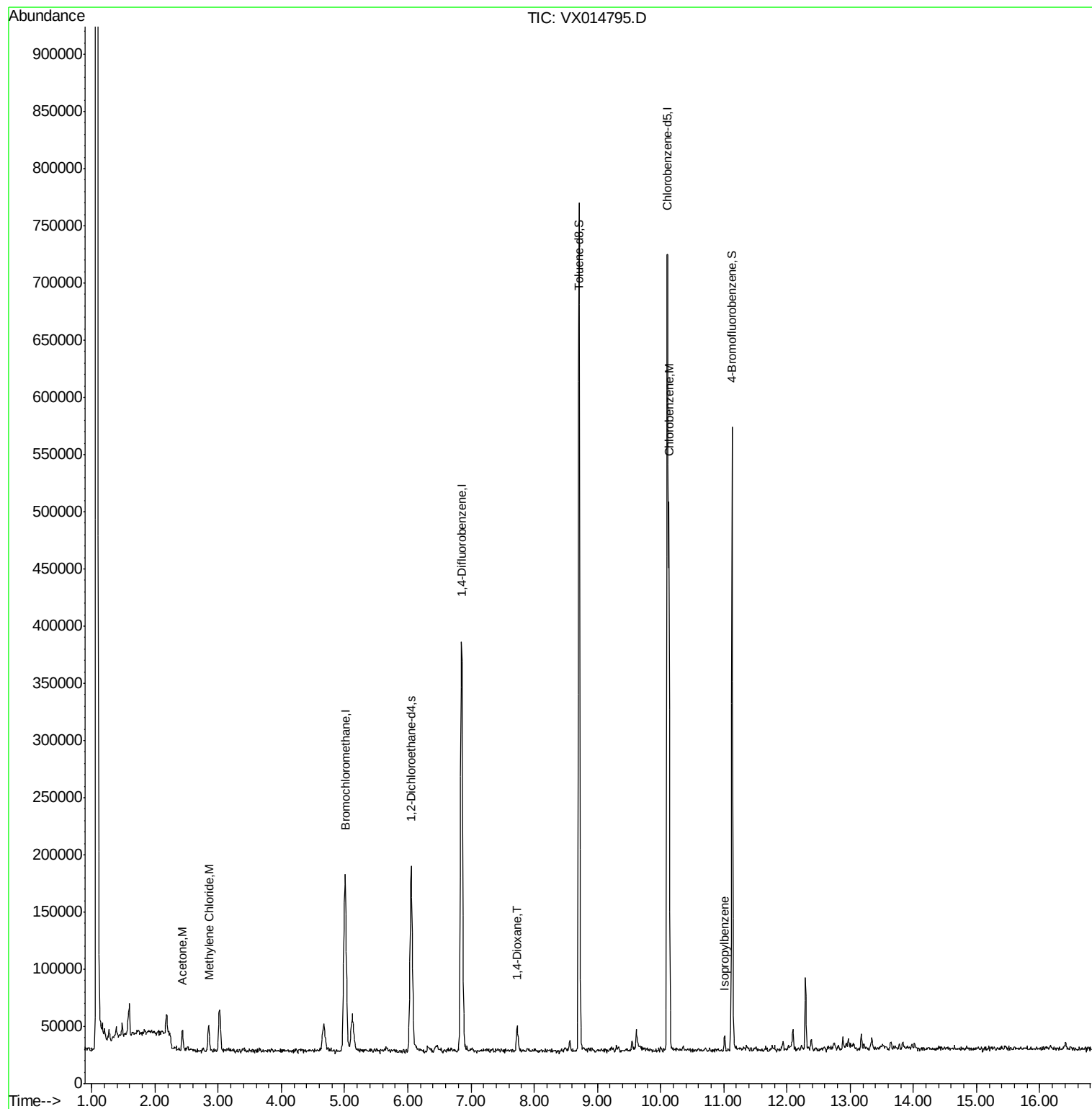
|                        |       |     |        |        |      | Qvalue |
|------------------------|-------|-----|--------|--------|------|--------|
| 15) Acetone            | 2.43  | 58  | 5365   | 6.79   | ug/l | 78     |
| 18) Methylene Chloride | 2.85  | 84  | 11485  | 2.57   | ug/l | 95     |
| 45) 1,4-Dioxane        | 7.73  | 88  | 15037  | 150.71 | ug/l | 99     |
| 64) Chlorobenzene      | 10.14 | 112 | 211131 | 19.47  | ug/l | 97     |
| 70) Isopropylbenzene   | 11.01 | 105 | 7492   | 0.41   | ug/l | 90     |

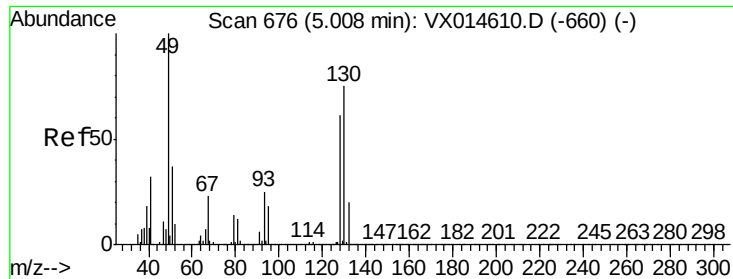
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020320\  
Data File : VX014795.D  
Acq On : 03 Feb 2020 14:40  
Operator : JC/SP  
Sample : L1294-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
M1-1-4-COMP

Quant Time: Feb 10 10:11:54 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X011520W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Jan 15 12:41:12 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014795.D

Acq: 03 Feb 2020 14:40

Instrument :

MSVOA\_X

ClientSampleId :

M1-1-4-COMP

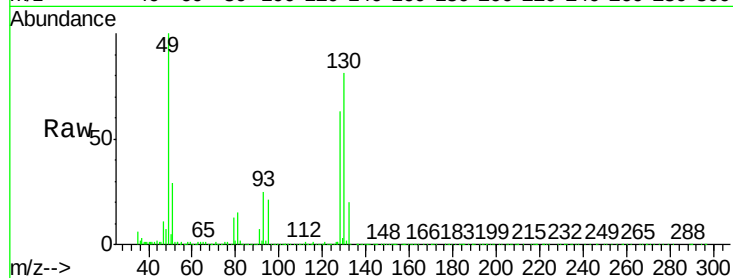
Tgt Ion:128 Resp: 68920

Ion Ratio Lower Upper

128 100

49 158.8 0.0 405.0

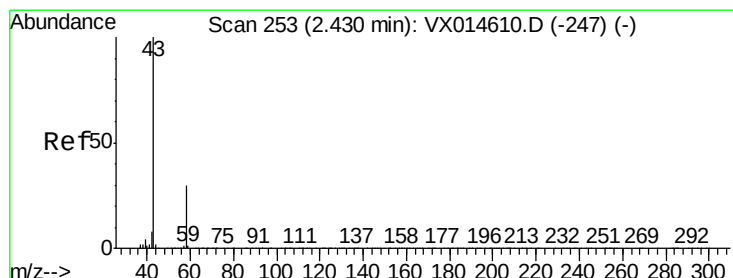
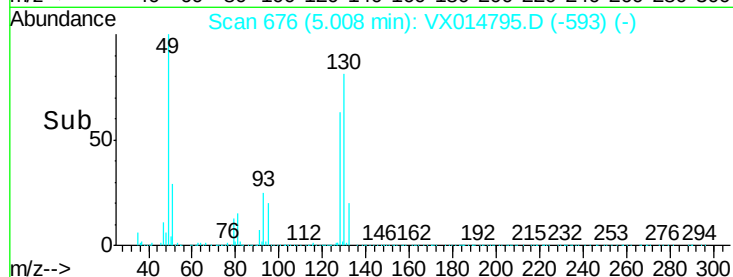
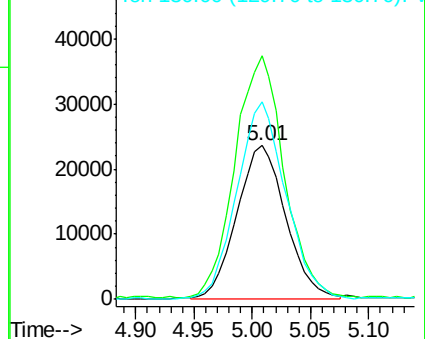
130 129.0 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 6.79 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014795.D

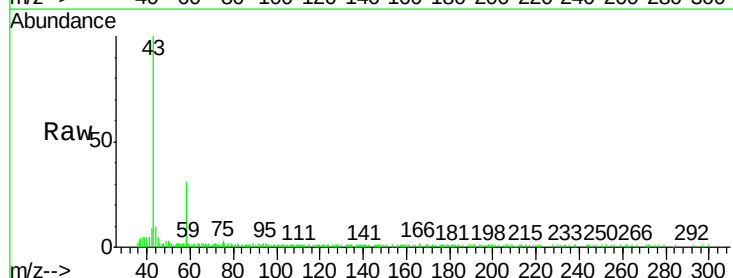
Acq: 03 Feb 2020 14:40

Tgt Ion: 58 Resp: 5365

Ion Ratio Lower Upper

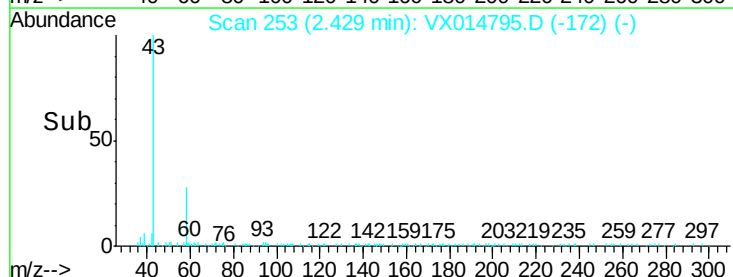
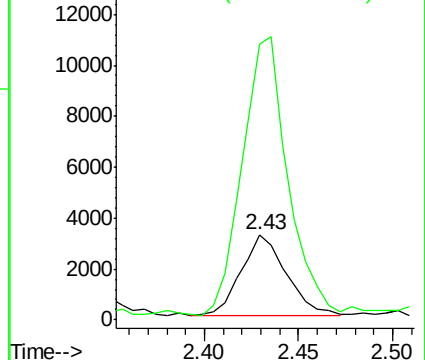
58 100

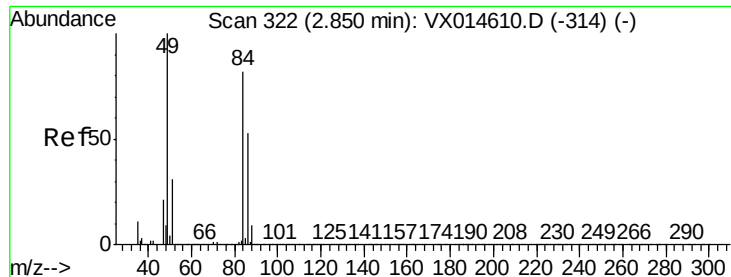
43 338.9 236.3 354.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

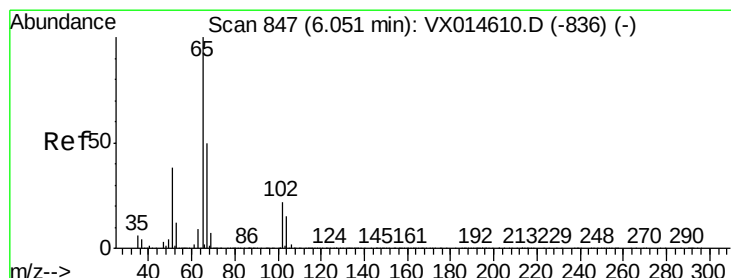
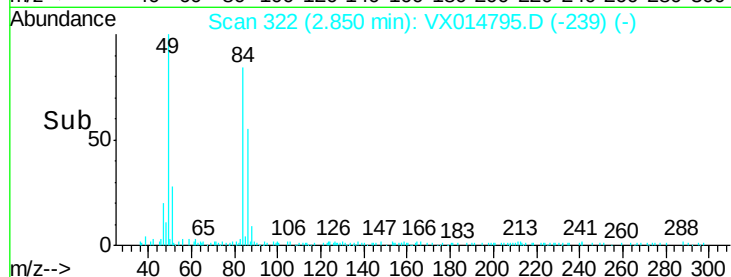
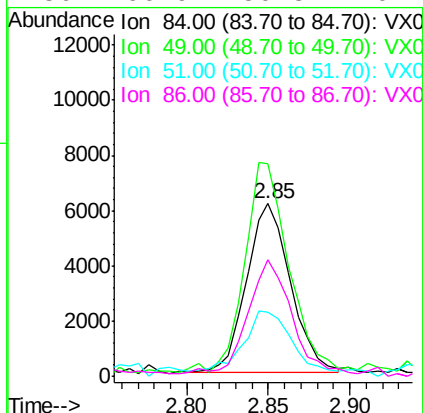
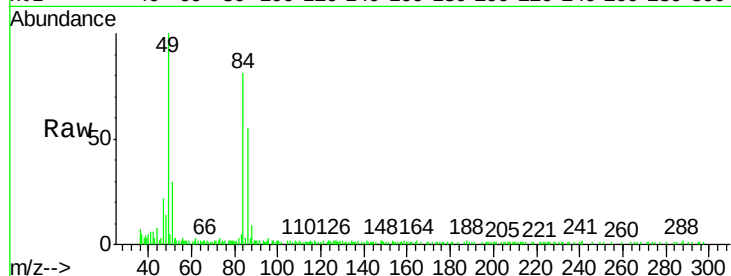




#18  
Methylene Chloride  
Concen: 2.57 ug/l  
RT: 2.85 min Scan# 322  
Delta R.T. 0.01 min  
Lab File: VX014795.D  
Acq: 03 Feb 2020 14:40

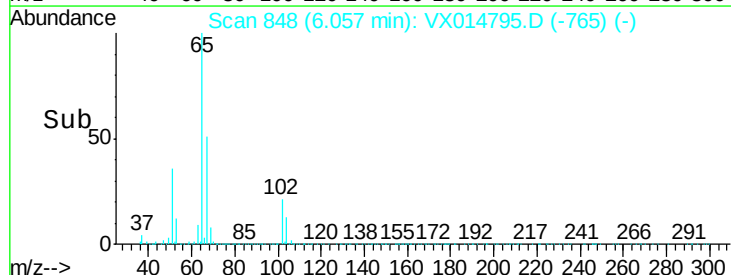
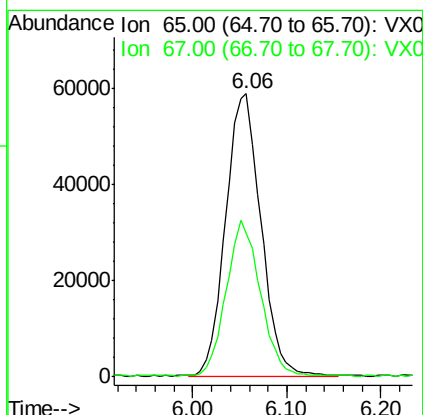
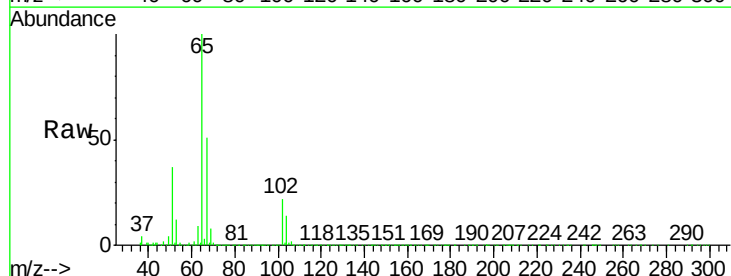
Instrument :  
MSVOA\_X  
ClientSampleId :  
M1-1-4-COMP

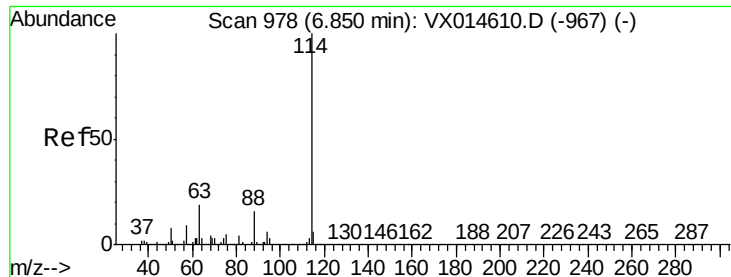
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 11485 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 121.6 | 102.2 | 153.2 |
| 51       | 34.7  | 31.4  | 47.0  |
| 86       | 66.9  | 50.8  | 76.2  |



#27  
1,2-Dichloroethane-d4  
Concen: 31.73 ug/l  
RT: 6.06 min Scan# 848  
Delta R.T. 0.01 min  
Lab File: VX014795.D  
Acq: 03 Feb 2020 14:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 153731 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.5  | 43.1  | 64.7   |

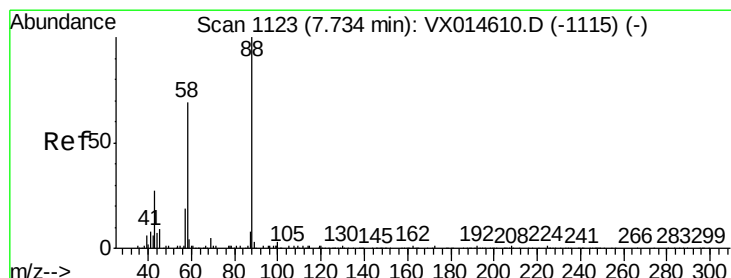
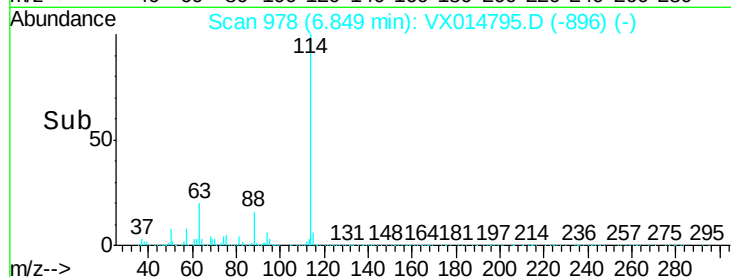
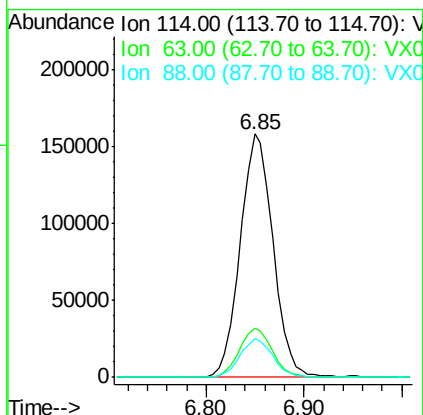
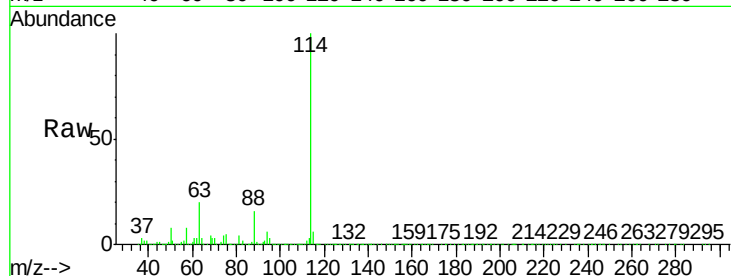




#28  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: VX014795.D  
 Acq: 03 Feb 2020 14:40

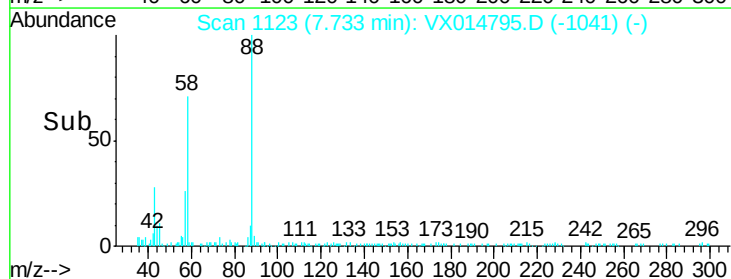
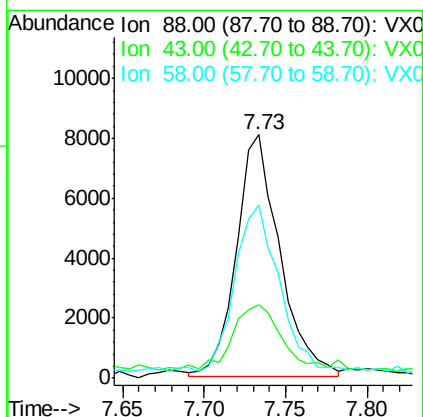
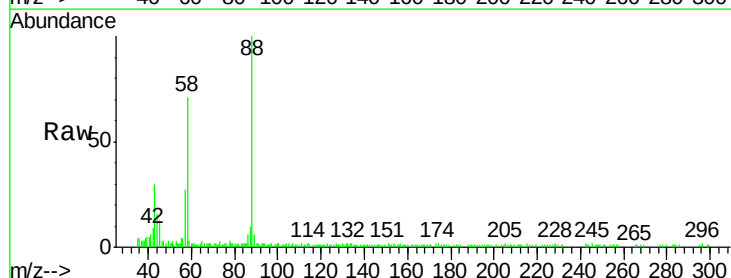
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 M1-1-4-COMP

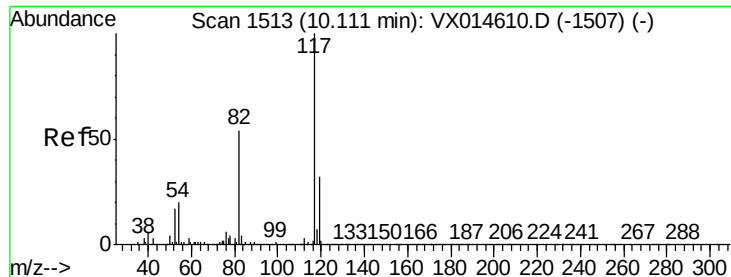
Tgt Ion: 114 Resp: 367649  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 16.1 24.1  
 88 15.7 12.5 18.7



#45  
 1,4-Dioxane  
 Concen: 150.71 ug/l  
 RT: 7.73 min Scan# 1123  
 Delta R.T. -0.00 min  
 Lab File: VX014795.D  
 Acq: 03 Feb 2020 14:40

Tgt Ion: 88 Resp: 15037  
 Ion Ratio Lower Upper  
 88 100  
 43 31.6 25.4 38.2  
 58 69.4 56.5 84.7

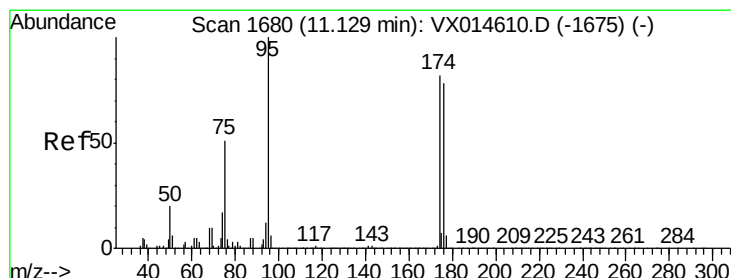
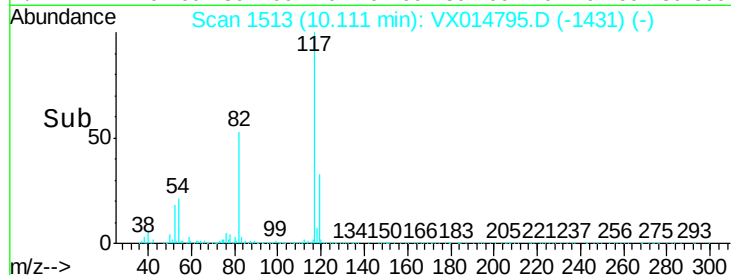
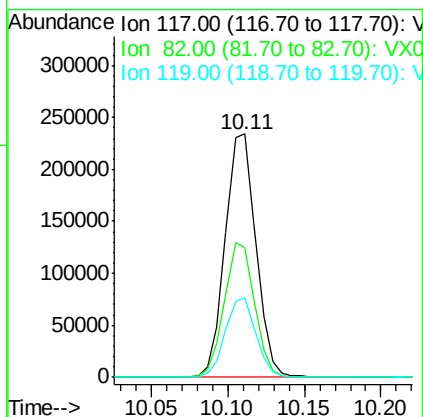
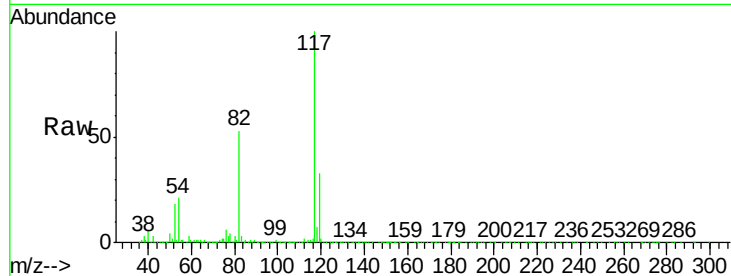




#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX014795.D  
Acq: 03 Feb 2020 14:40

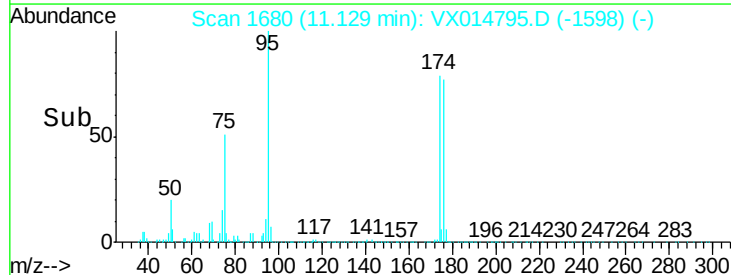
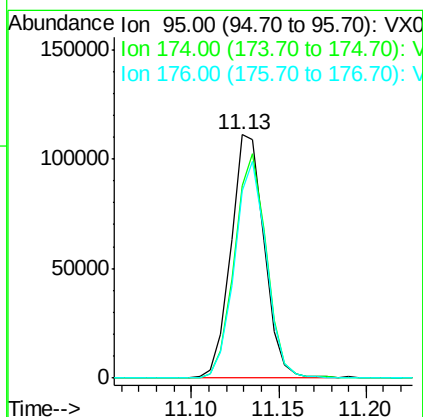
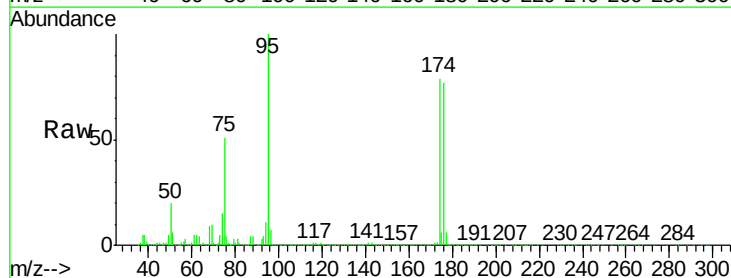
Instrument :  
MSVOA\_X  
ClientSampleId :  
M1-1-4-COMP

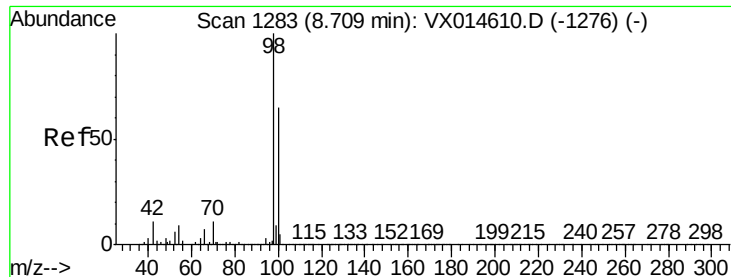
Tgt Ion: 117 Resp: 327400  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.8 65.6  
119 32.3 25.8 38.6



#60  
4-Bromofluorobenzene  
Concen: 27.85 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VX014795.D  
Acq: 03 Feb 2020 14:40

Tgt Ion: 95 Resp: 145905  
Ion Ratio Lower Upper  
95 100  
174 89.2 70.2 105.2  
176 85.6 68.3 102.5





#63

Toluene-d8

Concen: 29.65 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014795.D

Acq: 03 Feb 2020 14:40

Instrument :

MSVOA\_X

ClientSampleId :

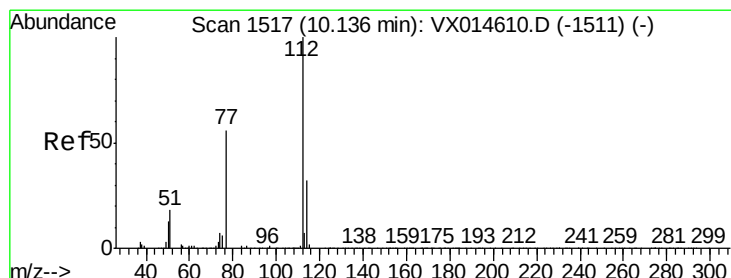
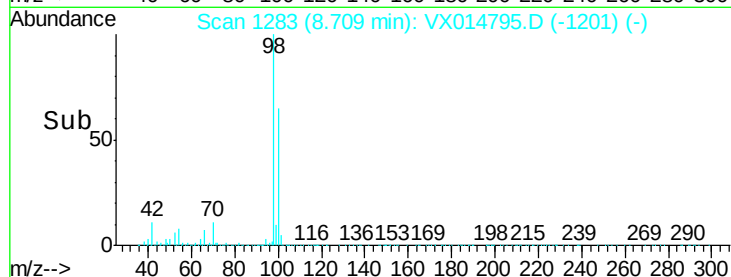
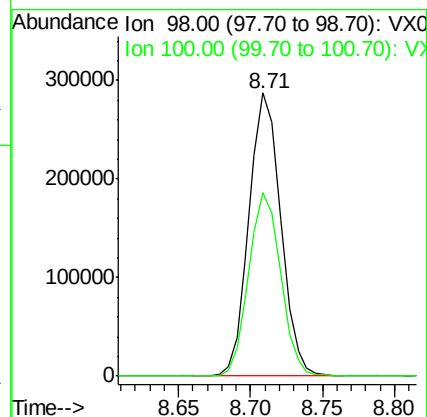
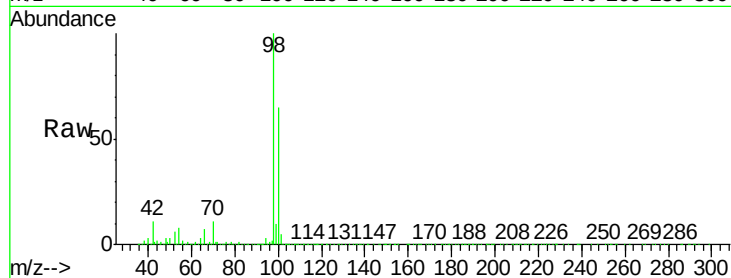
M1-1-4-COMP

Tgt Ion: 98 Resp: 438499

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#64

Chlorobenzene

Concen: 19.47 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX014795.D

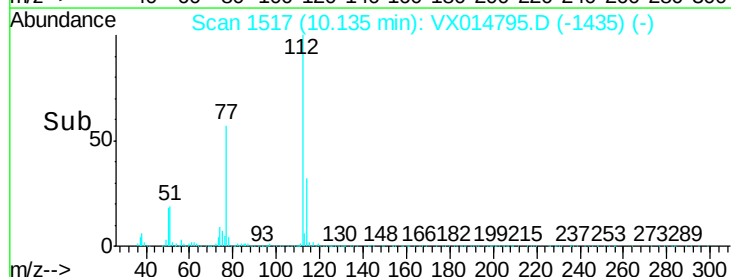
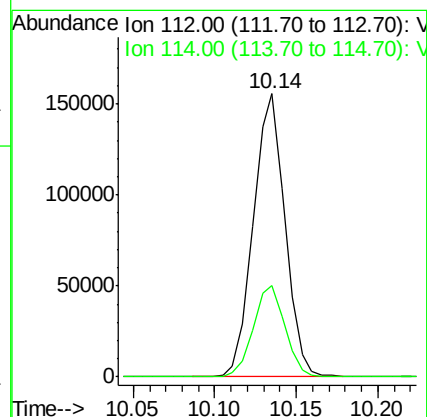
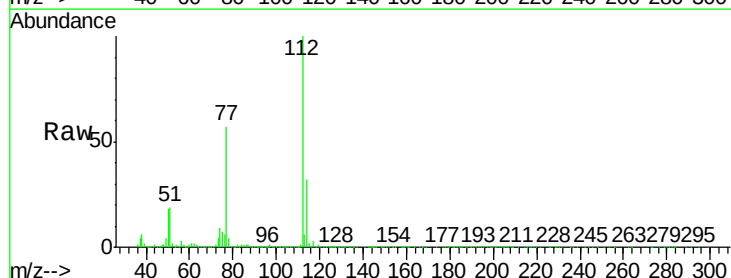
Acq: 03 Feb 2020 14:40

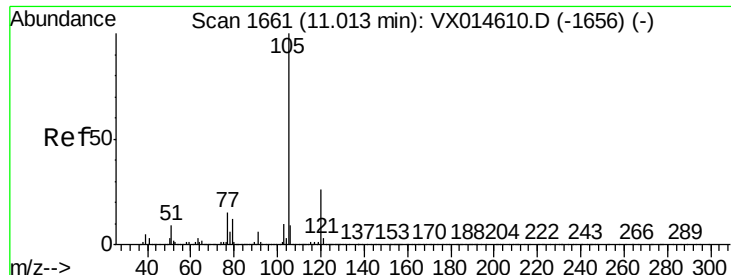
Tgt Ion: 112 Resp: 211131

Ion Ratio Lower Upper

112 100

114 32.1 24.4 36.6





#70

Isopropylbenzene

Concen: 0.41 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014795.D

Acq: 03 Feb 2020 14:40

Instrument :

MSVOA\_X

ClientSampleId :

M1-1-4-COMP

Tgt Ion:105 Resp: 7492

Ion Ratio Lower Upper

105 100

120 32.7 19.1 35.5

