

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022119\  
 Data File : VX007622.D  
 Acq On : 21 Feb 2019 11:22  
 Operator : JC/SP  
 Sample : VX0221WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0221WBL01

Quant Time: Feb 22 04:29:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 497092   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 780768   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 714051   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 333607   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 268277   | 50.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.70% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 255234   | 50.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.48% |          |
| 50) Toluene-d8              | 8.71  | 98   | 916114   | 48.60 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.20%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 313225   | 45.52 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.04%  |          |

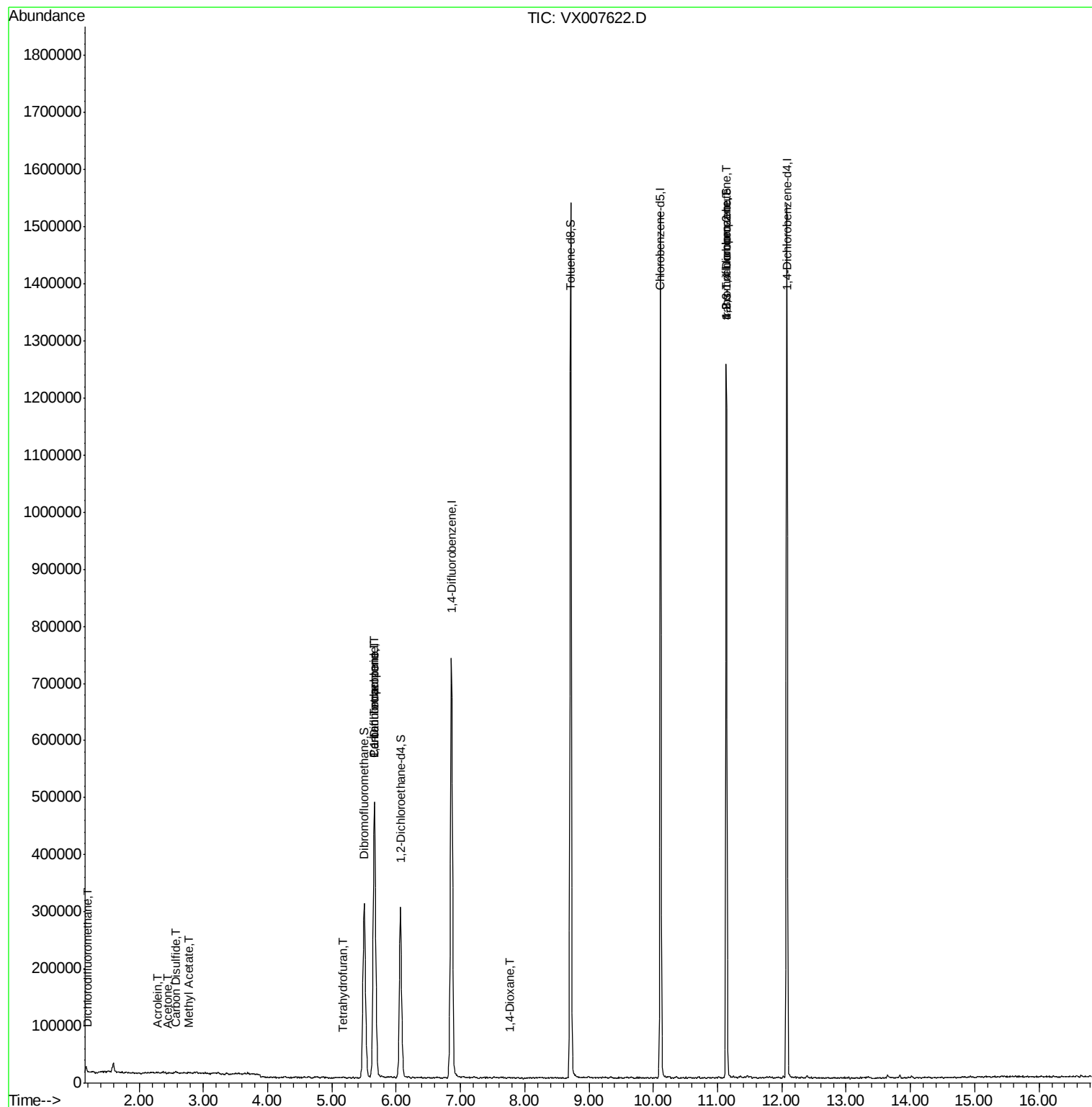
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.20  | 85   | 176      | 0.206     | ug/l # | 43     |
| 5) Bromomethane                | 1.66  | 94   | 715      | Below Cal | #      | 44     |
| 13) Acrolein                   | 2.29  | 56   | 415      | 0.810     | ug/l # | 75     |
| 16) Acetone                    | 2.45  | 43   | 800      | 0.331     | ug/l   | 97     |
| 17) Carbon Disulfide           | 2.57  | 76   | 2169     | 2.288     | ug/l # | 75     |
| 18) Methyl Acetate             | 2.78  | 43   | 2226     | 0.942     | ug/l # | 89     |
| 20) Methylene Chloride         | 2.86  | 84   | 1724     | Below Cal | #      | 51     |
| 29) Tetrahydrofuran            | 5.17  | 42   | 704      | 0.325     | ug/l   | 100    |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 33004    | 4.711     | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 5.66  | 117  | 44279    | 6.515     | ug/l # | 17     |
| 49) 1,4-Dioxane                | 7.77  | 88   | 390      | 9.994     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 152377   | 23.482    | ug/l # | 32     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 152377   | 70.671    | ug/l # | 9      |

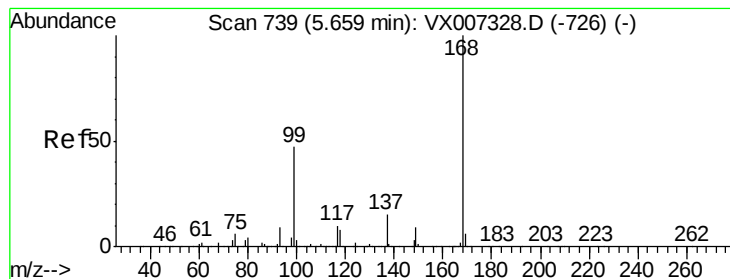
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022119\  
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Sample : VX0221WBL01  
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MSVOA\_X  
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Quant Time: Feb 22 04:29:41 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 02 01:32:36 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA\_X

ClientSampleId :

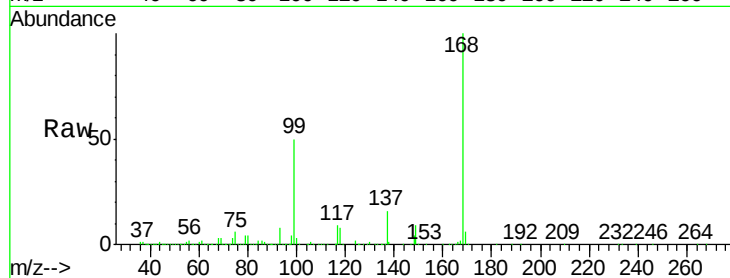
VX0221WBL01

Tot Ion:168 Resp: 497092

Ion Ratio Lower Upper

168 100

99 49.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

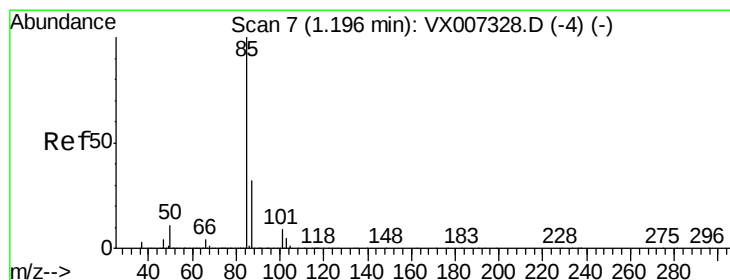
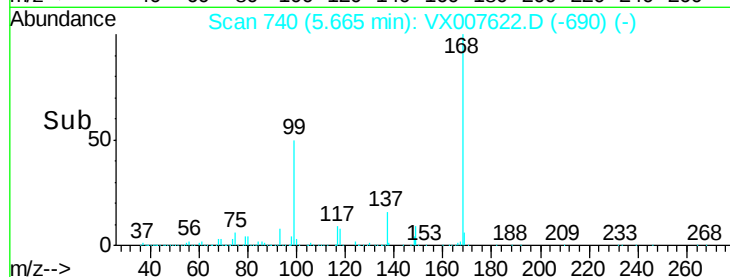
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.206 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007622.D

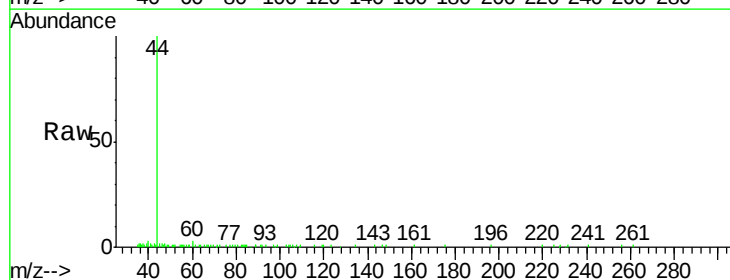
Acq: 21 Feb 2019 11:22

Tgt Ion: 85 Resp: 176

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

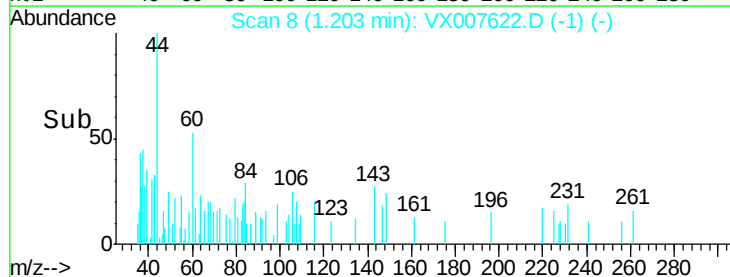
150

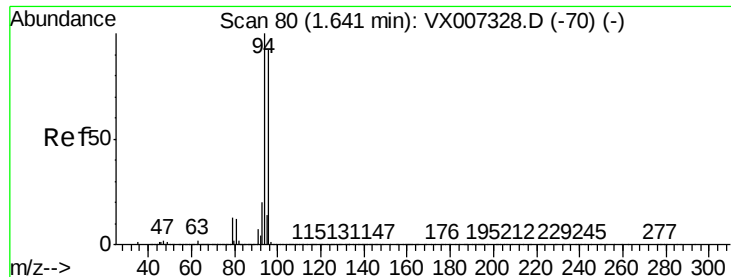
100

50

0

Time--> 1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA\_X

ClientSampled :

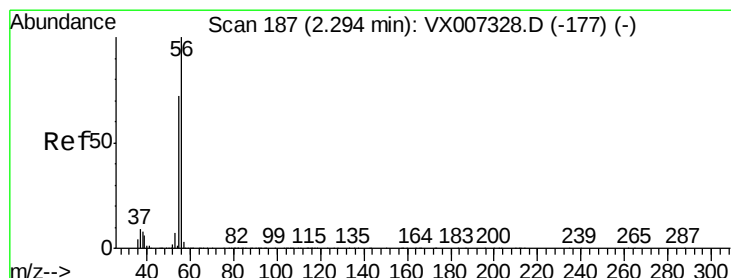
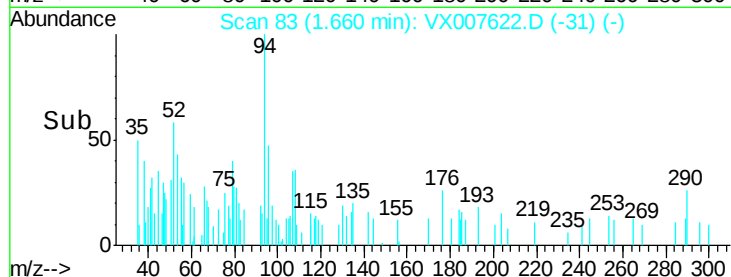
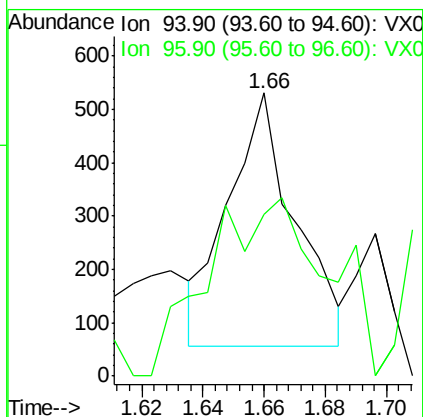
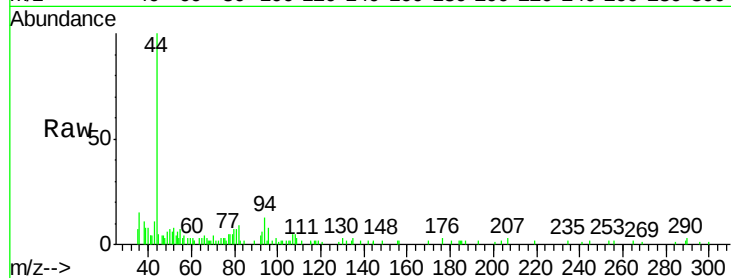
VX0221WBL01

Tot Ion: 94 Resp: 715

Ion Ratio Lower Upper

94 100

96 38.4 73.9 110.9#



#13

Acrolein

Concen: 0.810 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007622.D

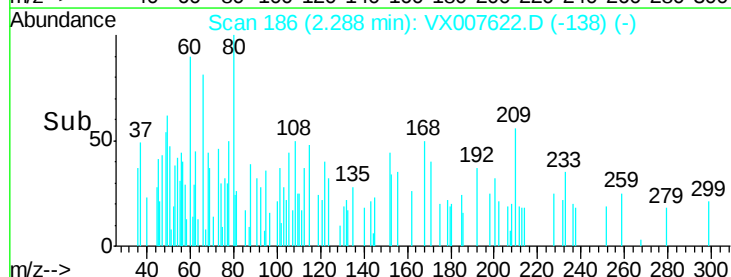
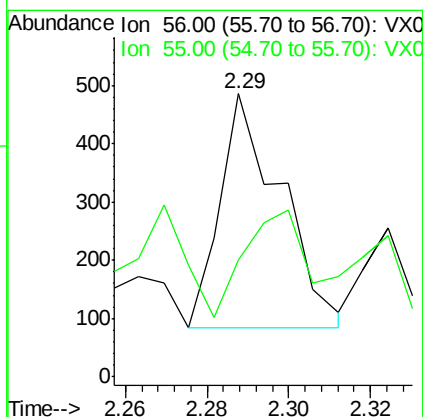
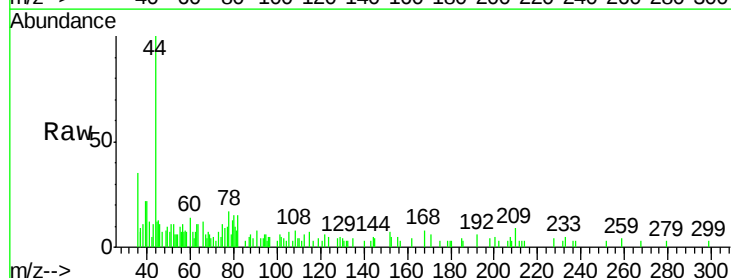
Acq: 21 Feb 2019 11:22

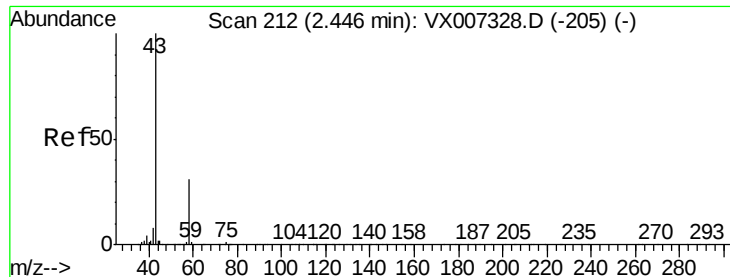
Tgt Ion: 56 Resp: 415

Ion Ratio Lower Upper

56 100

55 50.4 56.9 85.3#





#16

Acetone

Concen: 0.331 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA\_X

ClientSampleId :

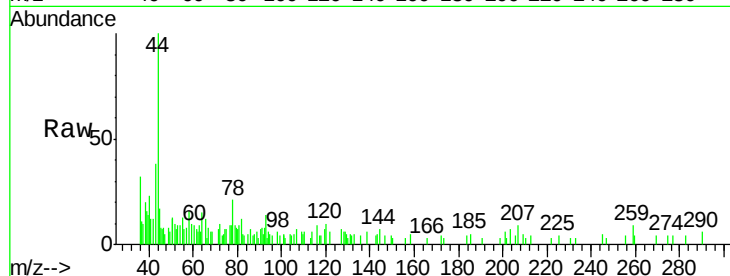
VX0221WBL01

Tot Ion: 43 Resp: 800

Ion Ratio Lower Upper

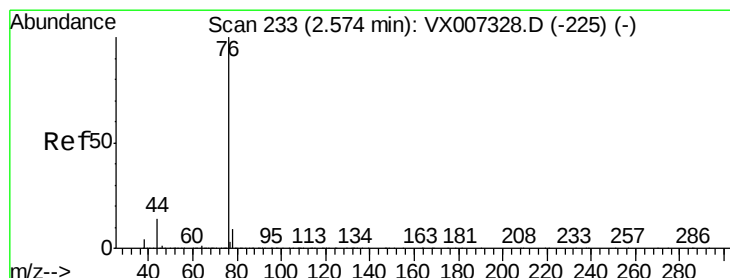
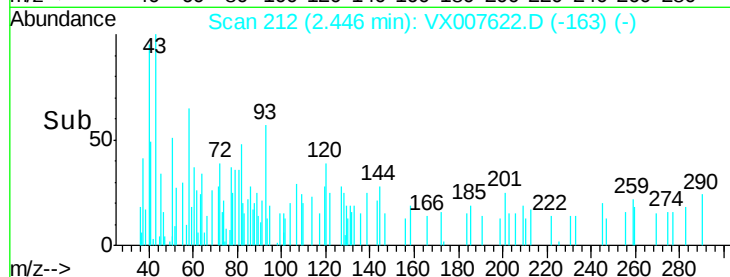
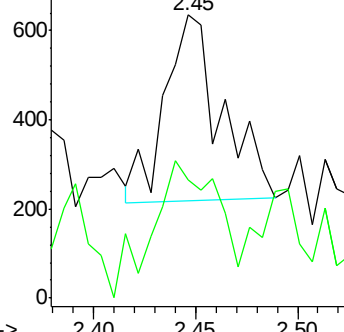
43 100

58 29.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 2.288 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007622.D

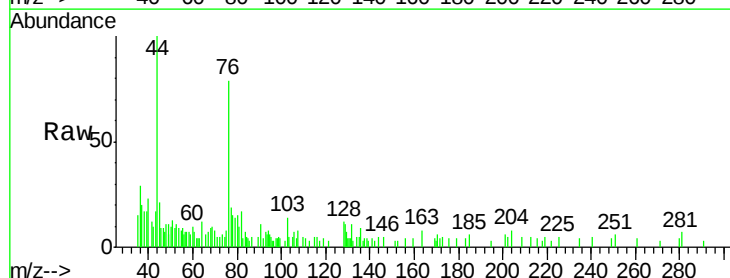
Acq: 21 Feb 2019 11:22

Tgt Ion: 76 Resp: 2169

Ion Ratio Lower Upper

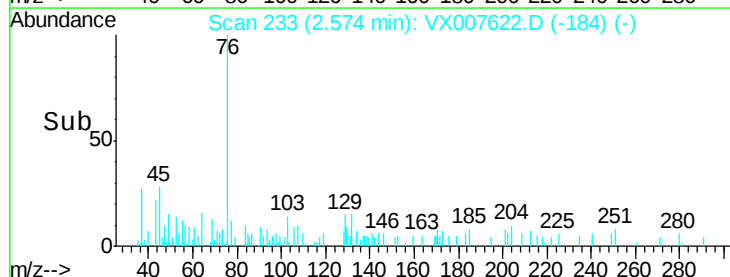
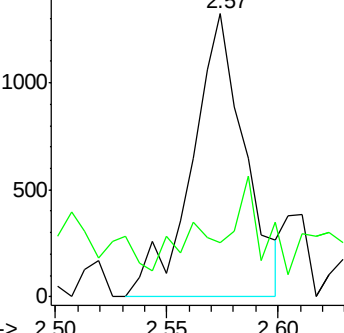
76 100

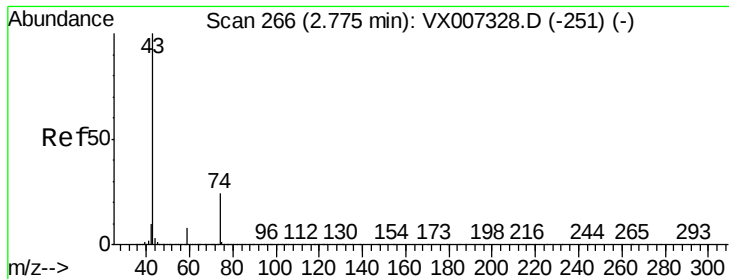
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

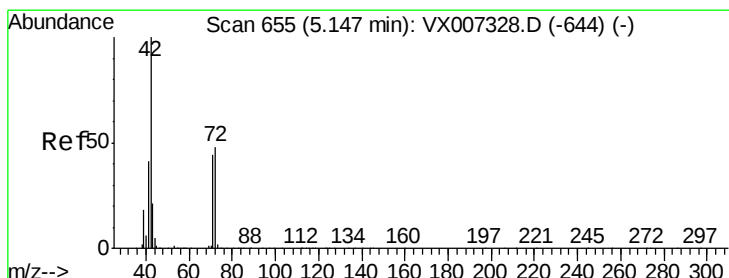
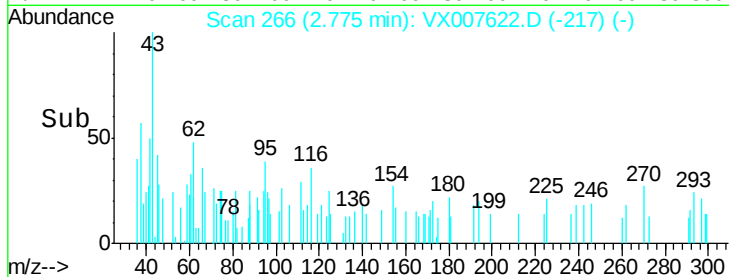
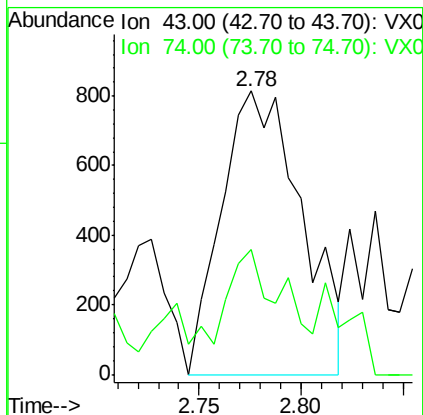
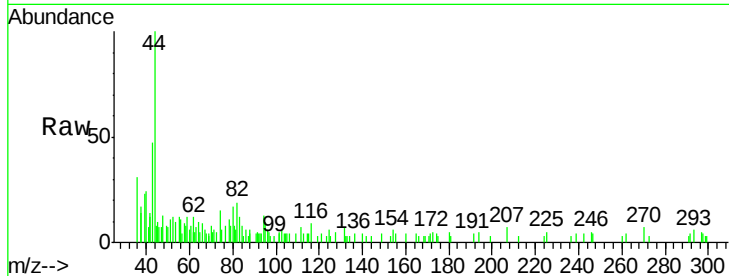




#18  
Methyl Acetate  
Concen: 0.942 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX007622.D  
Acq: 21 Feb 2019 11:22

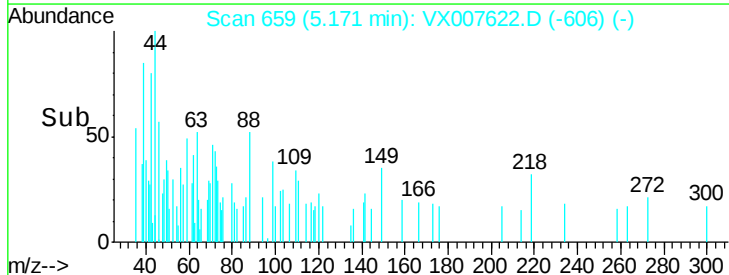
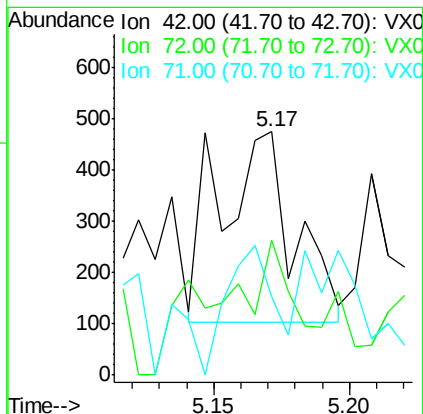
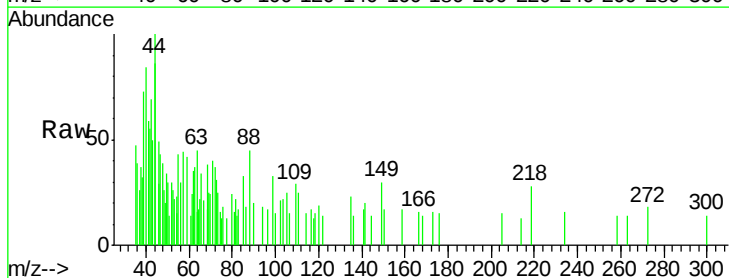
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0221WBL01

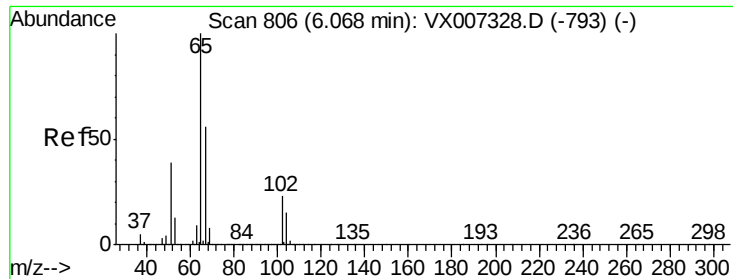
Tot Ion: 43 Resp: 2226  
Ion Ratio Lower Upper  
43 100  
74 18.9 19.4 29.2#



#29  
Tetrahydrofuran  
Concen: 0.325 ug/l  
RT: 5.17 min Scan# 659  
Delta R.T. 0.02 min  
Lab File: VX007622.D  
Acq: 21 Feb 2019 11:22

Tgt Ion: 42 Resp: 704  
Ion Ratio Lower Upper  
42 100  
72 47.3 37.6 56.4  
71 43.5 34.6 51.8

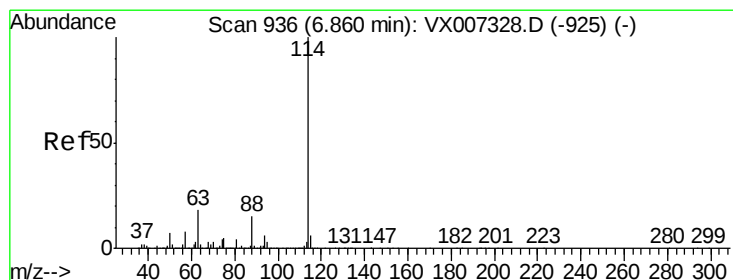
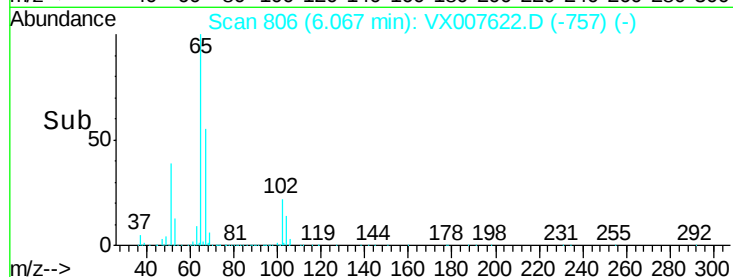
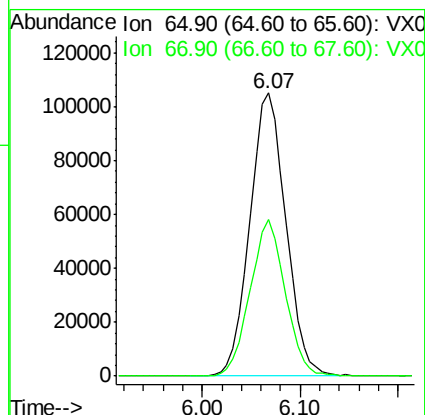
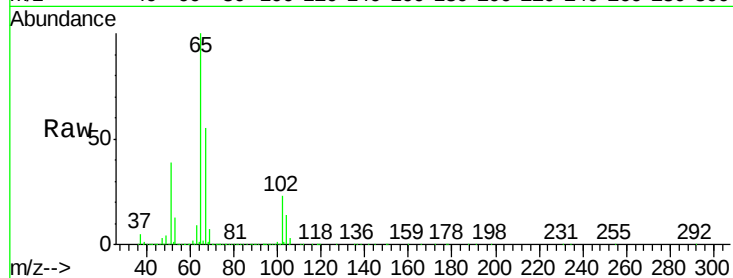




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.846 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX007622.D  
 Acq: 21 Feb 2019 11:22

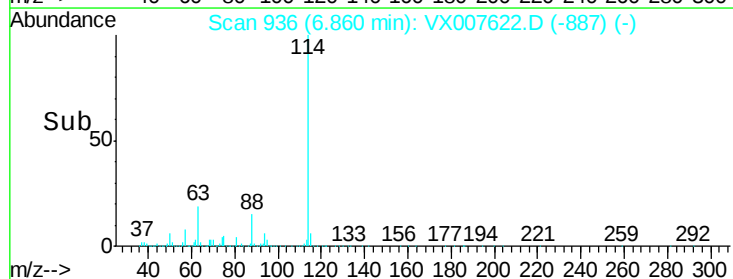
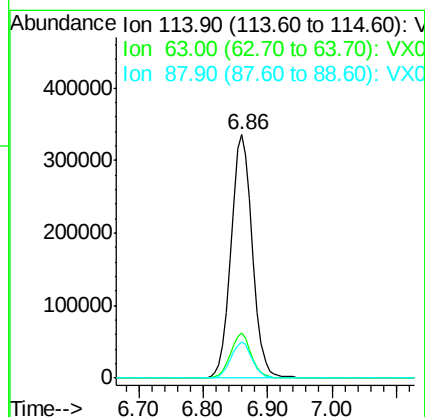
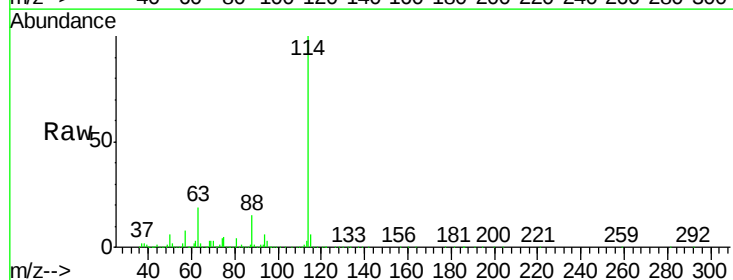
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0221WBL01

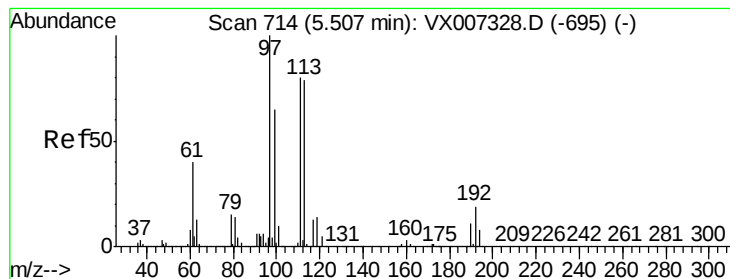
Tot Ion: 65 Resp: 268277  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 108.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX007622.D  
 Acq: 21 Feb 2019 11:22

Tgt Ion: 114 Resp: 780768  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 35.6  
 88 14.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.241 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0221WBL01

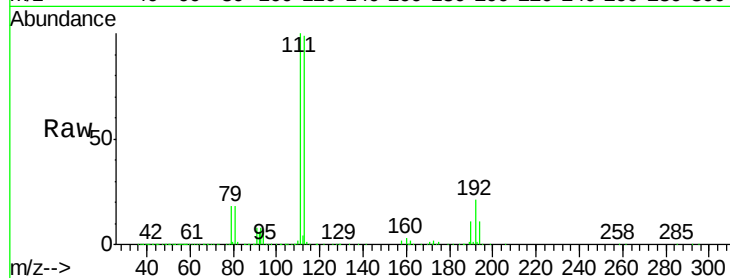
Tot Ion:113 Resp: 255234

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

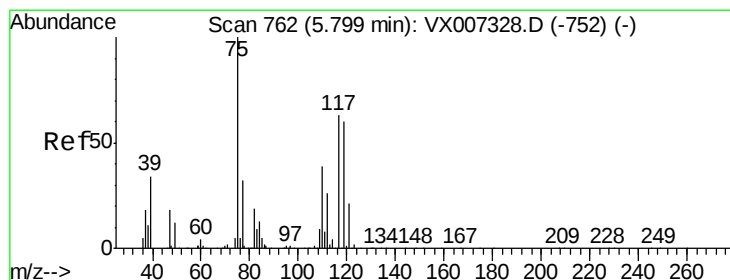
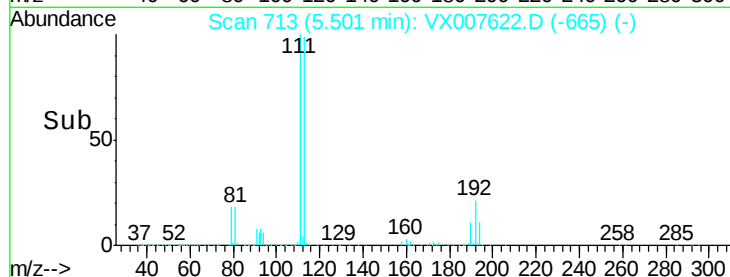
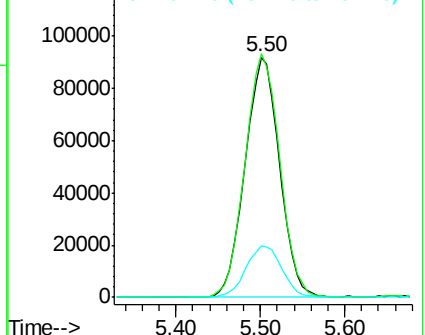
192 22.5 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.711 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

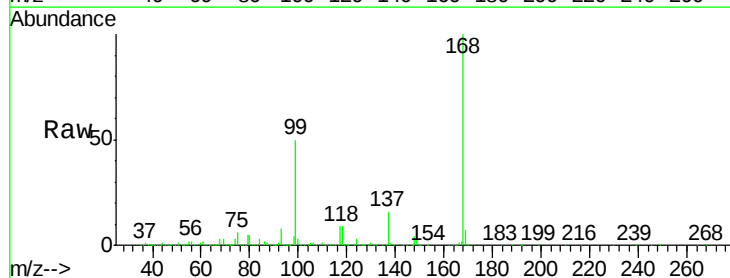
Tgt Ion: 75 Resp: 33004

Ion Ratio Lower Upper

75 100

110 8.4 20.0 59.9#

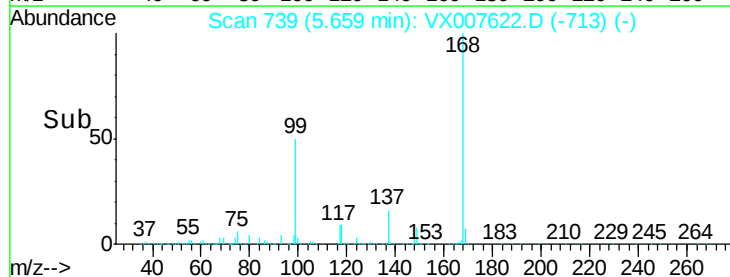
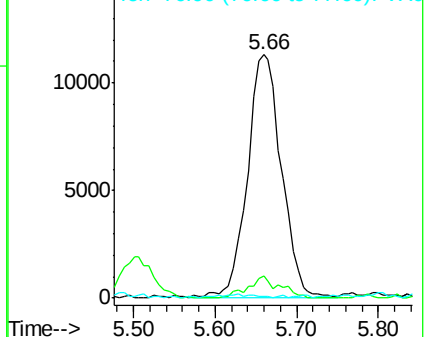
77 0.0 24.7 37.1#

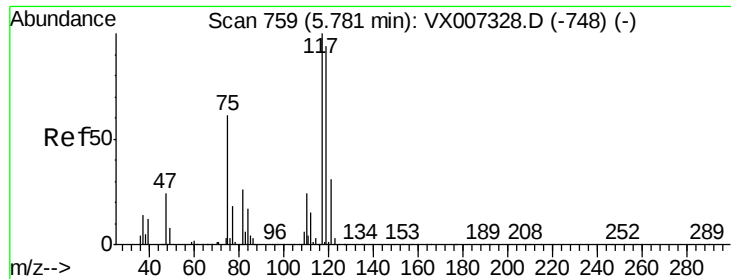


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.515 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0221WBL01

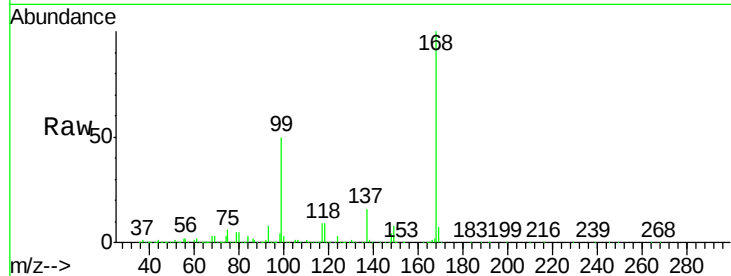
Tot Ion:117 Resp: 44279

Ion Ratio Lower Upper

117 100

119 5.1 75.3 112.9#

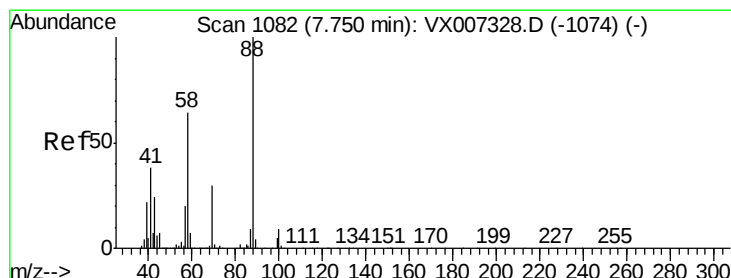
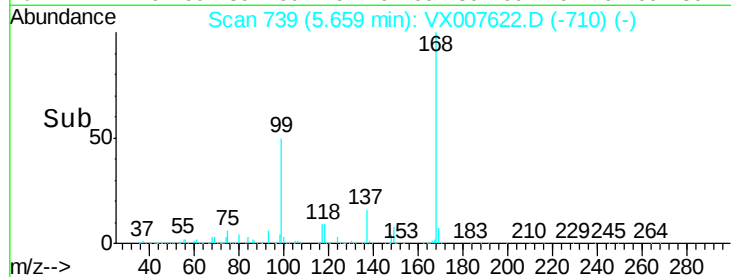
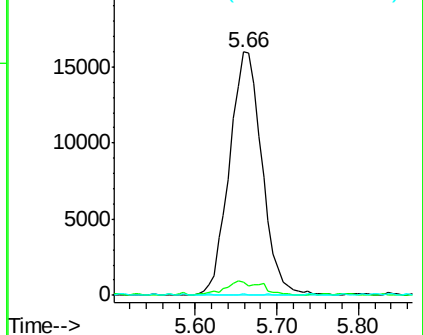
121 0.3 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 9.994 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

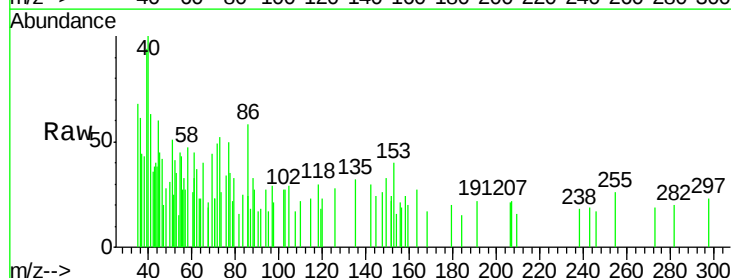
Tgt Ion: 88 Resp: 390

Ion Ratio Lower Upper

88 100

43 179.7 24.2 36.4#

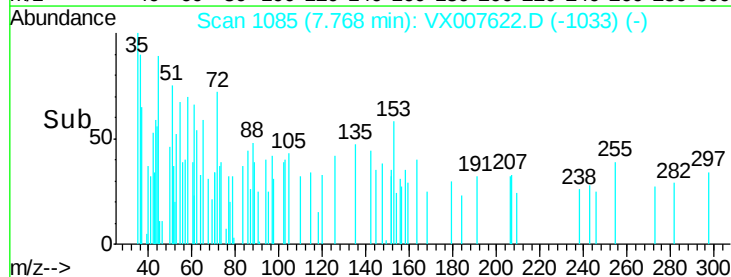
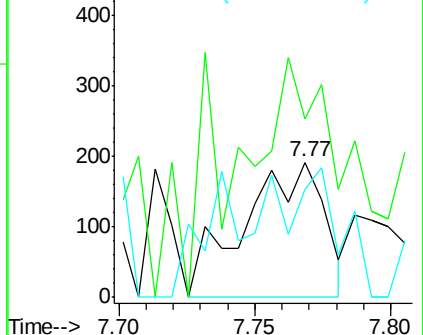
58 8.2 53.0 79.4#

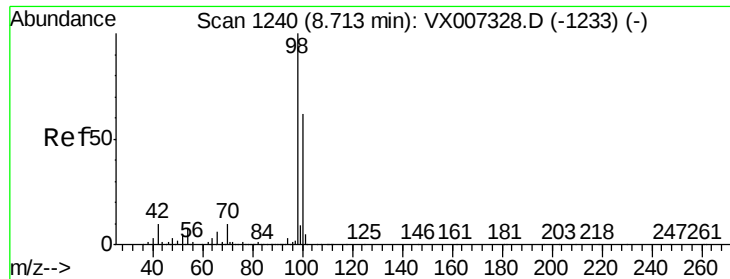


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.604 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA\_X

ClientSampleId :

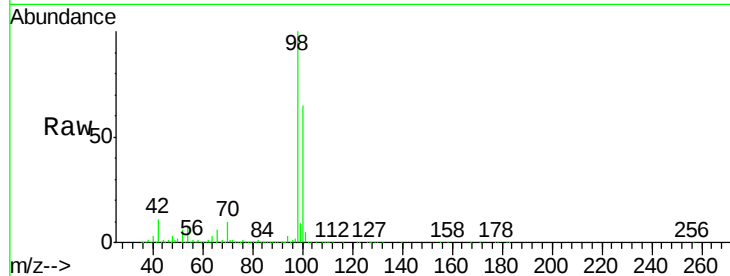
VX0221WBL01

Tot Ion: 98 Resp: 916114

Ion Ratio Lower Upper

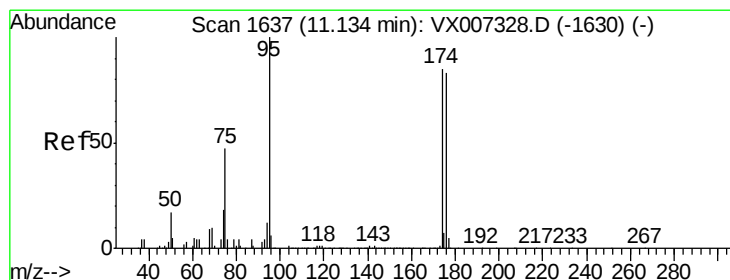
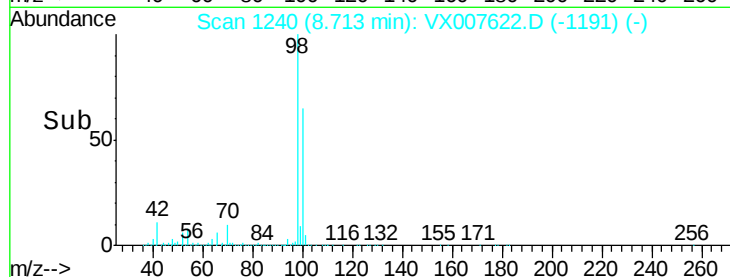
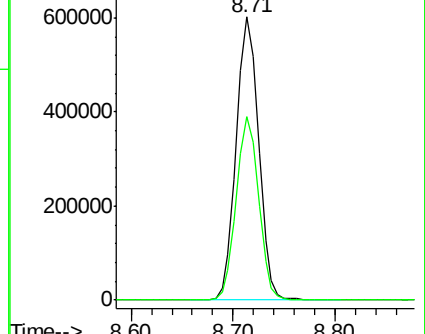
98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.517 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

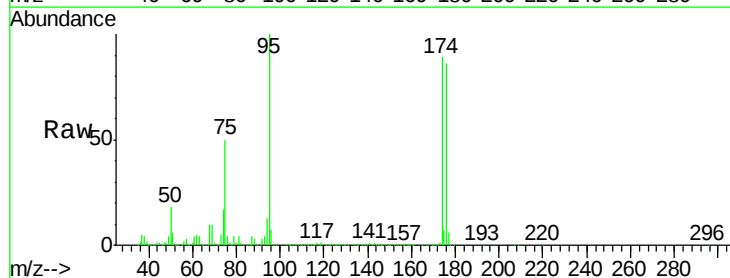
Tgt Ion: 95 Resp: 313225

Ion Ratio Lower Upper

95 100

174 94.7 0.0 189.2

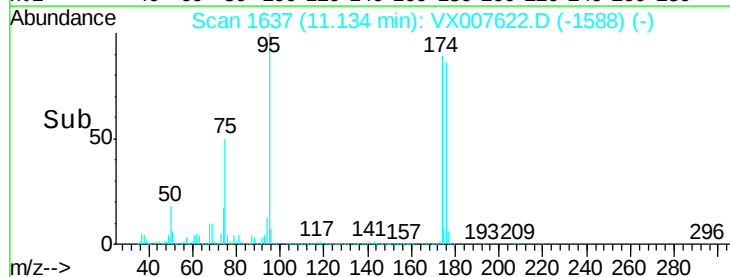
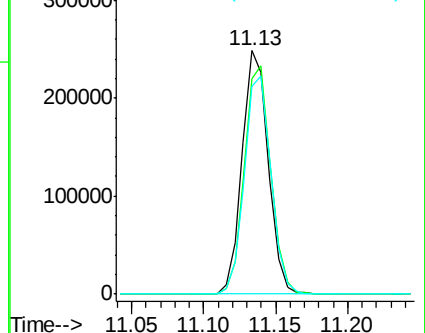
176 91.0 0.0 186.2

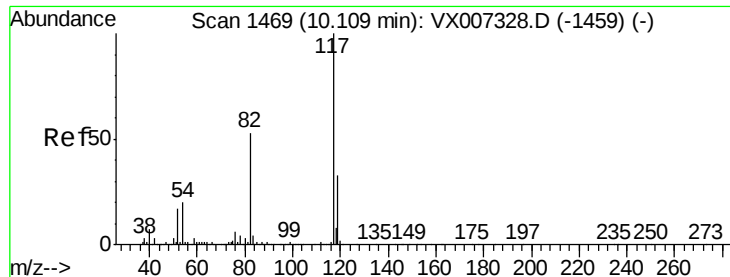


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

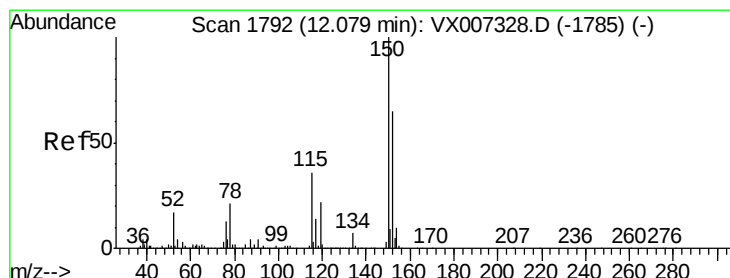
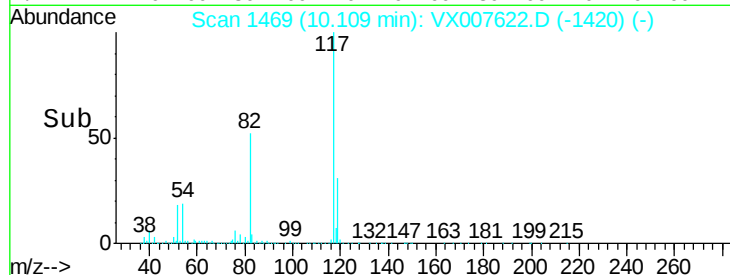
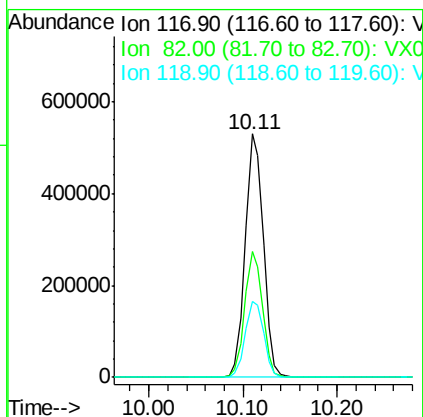
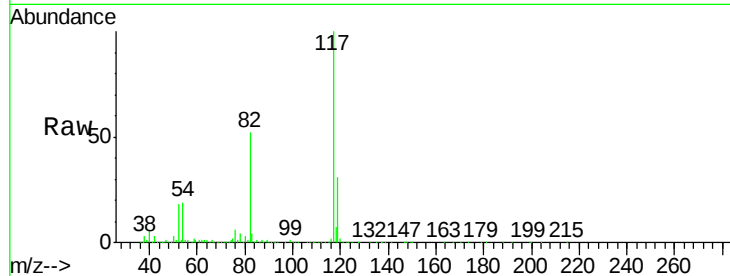




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX007622.D  
Acq: 21 Feb 2019 11:22

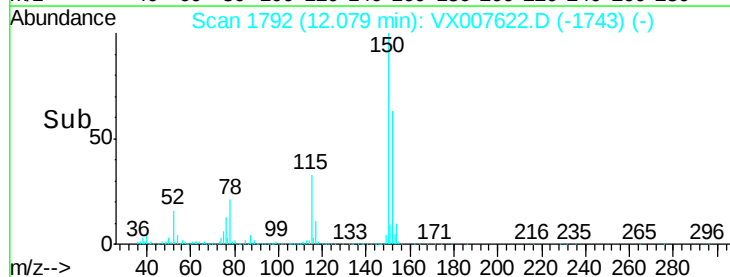
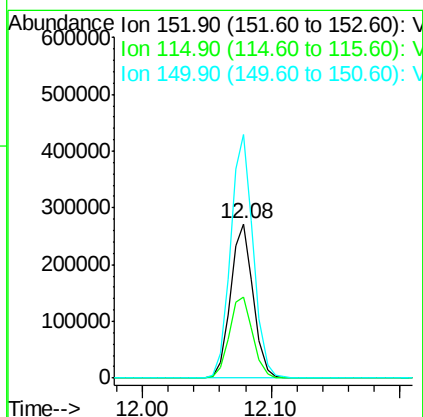
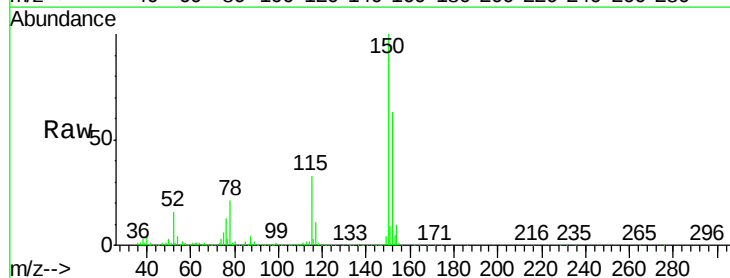
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0221WBL01

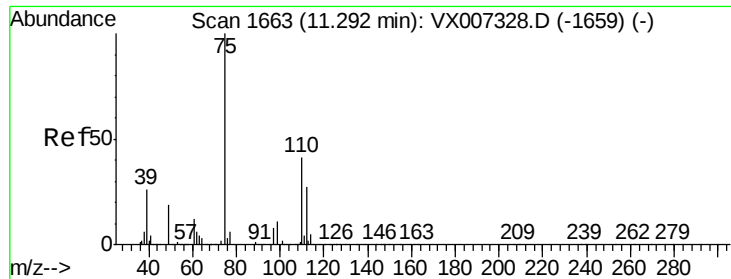
Tot Ion:117 Resp: 714051  
Ion Ratio Lower Upper  
117 100  
82 51.7 42.1 63.1  
119 31.3 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX007622.D  
Acq: 21 Feb 2019 11:22

Tgt Ion:152 Resp: 333607  
Ion Ratio Lower Upper  
152 100  
115 54.7 38.0 114.0  
150 157.5 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.482 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA\_X

ClientSampled :

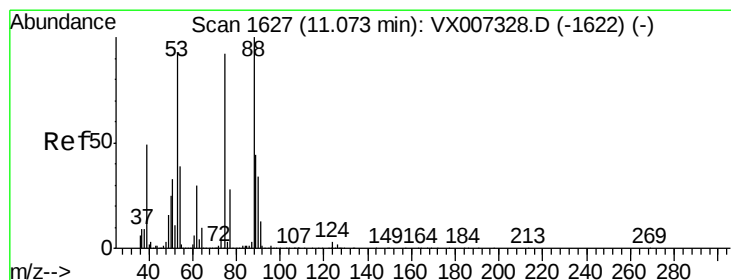
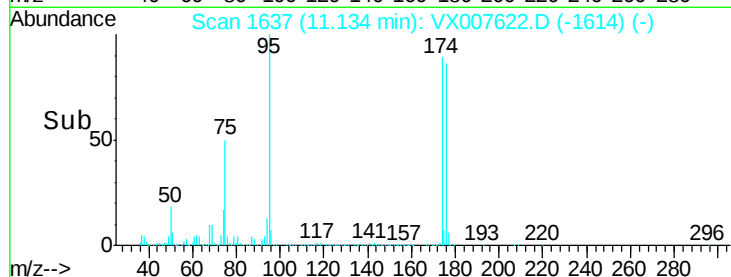
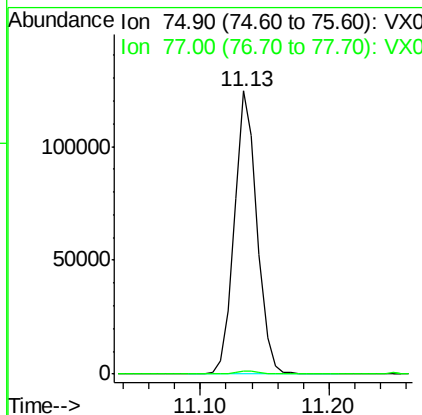
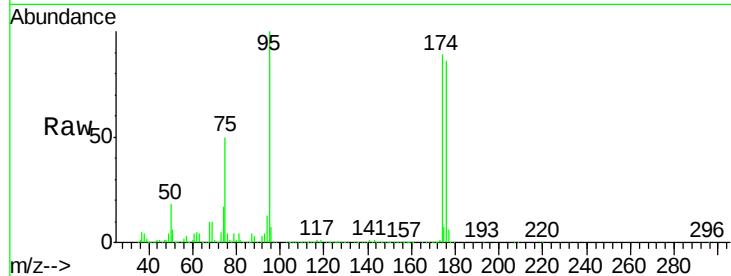
VX0221WBL01

Tot Ion: 75 Resp: 152377

Ion Ratio Lower Upper

75 100

77 1.4 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.671 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007622.D

Acq: 21 Feb 2019 11:22

Tgt Ion: 75 Resp: 152377

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.1 41.4 62.0#

