

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070518\  
 Data File : VX003193.D  
 Acq On : 06 Jul 2018 01:27  
 Operator : JC/MD  
 Sample : J3846-01DL 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 06 03:28:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 14:38:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 293810   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 404494   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 379343   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 212512   | 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   | 186073   | 45.82 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.64% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 155777   | 48.63 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.26% |          |
| 50) Toluene-d8              | 8.72  | 98   | 567169   | 48.49 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.98% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 199990   | 44.33 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.66% |          |

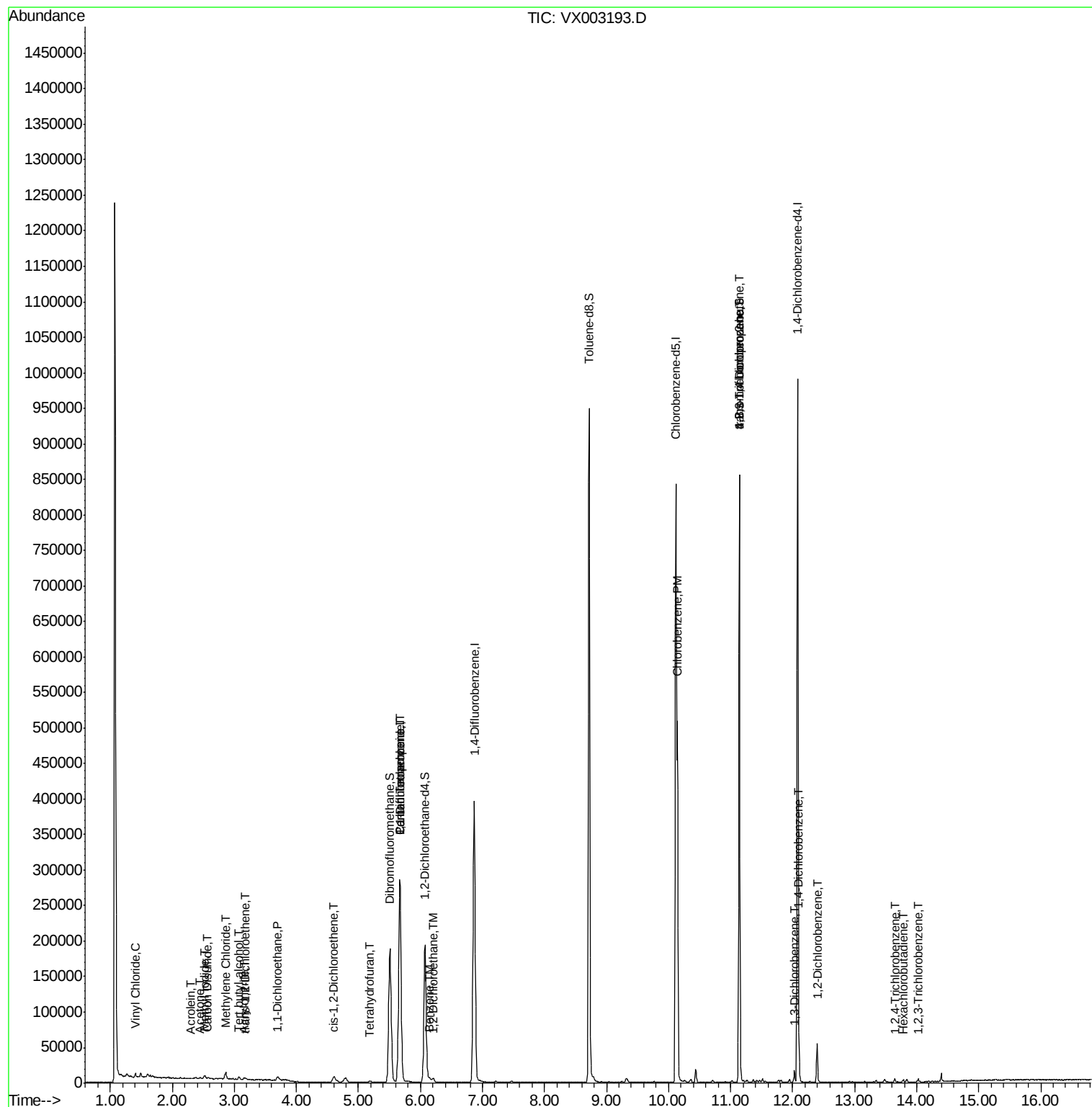
| Target Compounds               | R.T.  | QIon | Response | Conc       | Units | Qvalue |
|--------------------------------|-------|------|----------|------------|-------|--------|
| 2) Dichlorodifluoromethane     | 1.20  | 85   | 409      | Below Cal  |       | 98     |
| 3) Chloromethane               | 1.32  | 50   | 950      | Below Cal  |       | 90     |
| 4) Vinyl Chloride              | 1.40  | 62   | 2865     | 0.86 ug/l  | #     | 78     |
| 5) Bromomethane                | 1.65  | 94   | 1971     | Below Cal  |       | 87     |
| 6) Chloroethane                | 1.73  | 64   | 344      | Below Cal  | #     | 53     |
| 10) Methyl Iodide              | 2.52  | 142  | 4706     | 7.48 ug/l  |       | 98     |
| 11) Tert butyl alcohol         | 3.07  | 59   | 4832     | 5.97 ug/l  | #     | 88     |
| 13) Acrolein                   | 2.30  | 56   | 373      | 5.05 ug/l  |       | 83     |
| 15) Acrylonitrile              | 3.15  | 53   | 848      | 0.49 ug/l  |       | 94     |
| 16) Acetone                    | 2.45  | 43   | 1650     | 0.98 ug/l  | #     | 89     |
| 17) Carbon Disulfide           | 2.57  | 76   | 2717     | 0.35 ug/l  |       | 99     |
| 20) Methylene Chloride         | 2.86  | 84   | 4775     | 1.46 ug/l  |       | 90     |
| 21) trans-1,2-Dichloroethene   | 3.17  | 96   | 665      | 0.21 ug/l  |       | 93     |
| 24) 1,1-Dichloroethane         | 3.70  | 63   | 4338     | 0.73 ug/l  |       | 95     |
| 27) cis-1,2-Dichloroethene     | 4.60  | 96   | 3759     | 1.06 ug/l  |       | 11     |
| 29) Tetrahydrofuran            | 5.18  | 42   | 1493     | 0.93 ug/l  | #     | 71     |
| 36) 1,1-Dichloropropene        | 5.67  | 75   | 18664    | 4.21 ug/l  | #     | 51     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 25681    | 5.28 ug/l  | #     | 17     |
| 40) Benzene                    | 6.15  | 78   | 5885     | 0.46 ug/l  |       | 98     |
| 42) 1,2-Dichloroethane         | 6.21  | 62   | 6325     | 1.21 ug/l  |       | 95     |
| 65) Chlorobenzene              | 10.14 | 112  | 209277   | 21.72 ug/l |       | 98     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 100623   | 26.14 ug/l | #     | 33     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 100623   | 74.11 ug/l | #     | 6      |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 5259     | 0.71 ug/l  |       | 99     |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 13437    | 1.76 ug/l  |       | 85     |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 16746    | 2.23 ug/l  |       | 97     |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 1409     | 0.26 ug/l  |       | 96     |
| 94) Hexachlorobutadiene        | 13.79 | 225  | 584      | 0.21 ug/l  |       | 91     |
| 96) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 1158     | 0.21 ug/l  |       | 95     |

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

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Quant Time: Jul 06 03:28:49 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 25 14:38:05 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA\_X

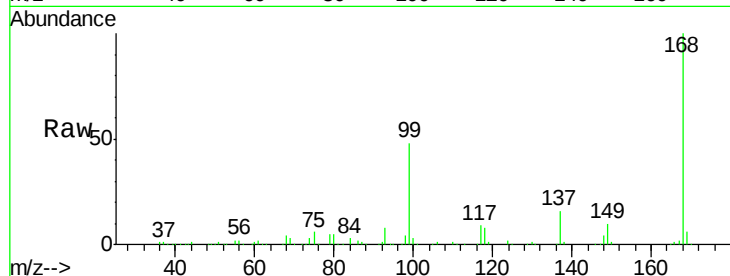
ClientSampled :

Tot Ion:168 Resp: 293810

Ion Ratio Lower Upper

168 100

99 48.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

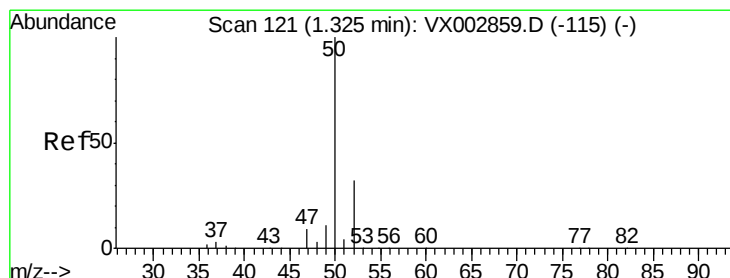
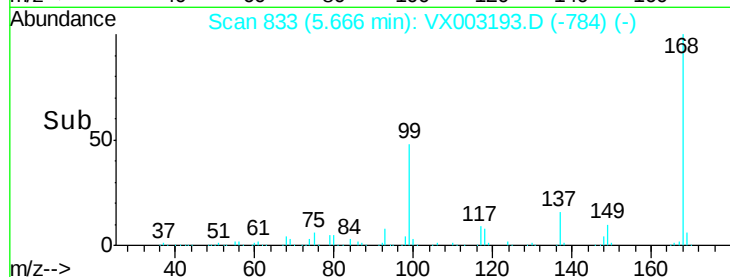
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003193.D

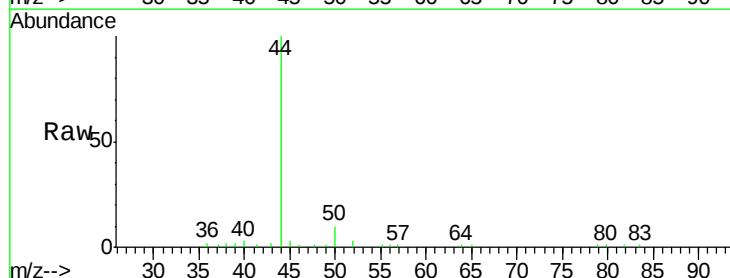
Acq: 06 Jul 2018 01:27

Tgt Ion: 50 Resp: 950

Ion Ratio Lower Upper

50 100

52 26.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

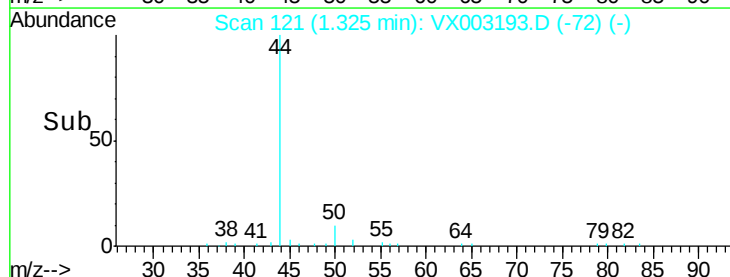
600

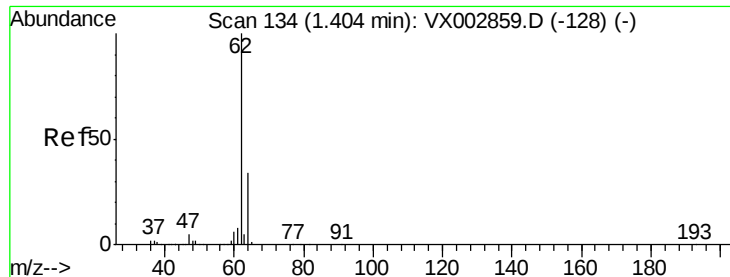
400

200

0

Time--> 1.25 1.30 1.35





#4

Vinyl Chloride

Concen: 0.86 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA\_X

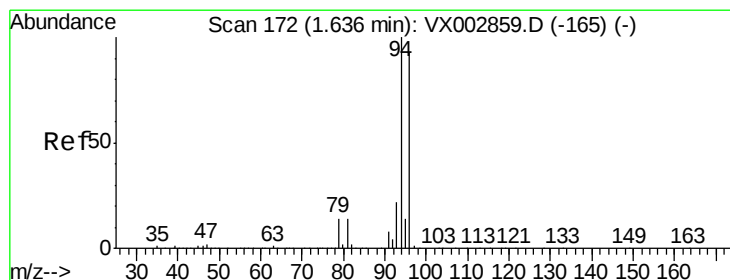
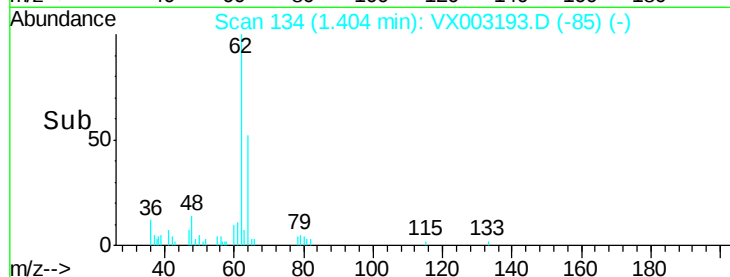
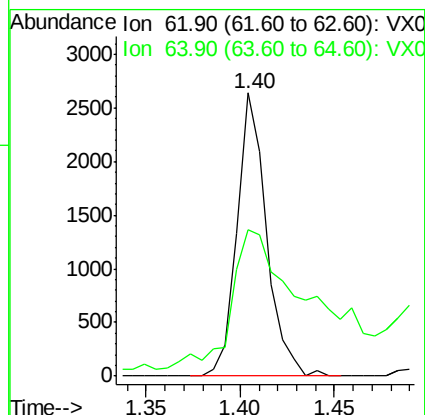
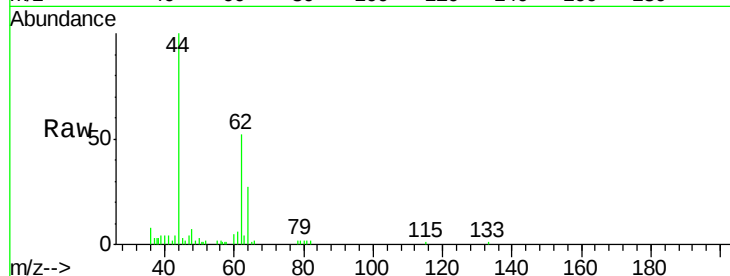
ClientSampled :

Tot Ion: 62 Resp: 2865

Ion Ratio Lower Upper

62 100

64 44.0 25.4 38.2#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003193.D

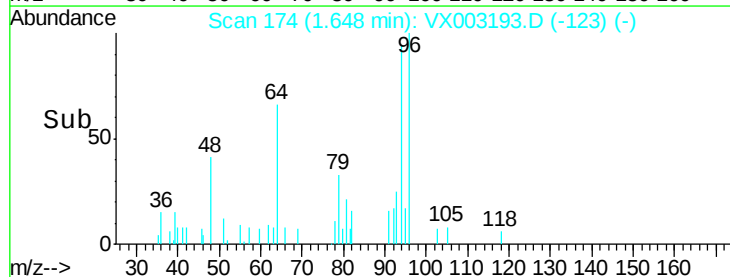
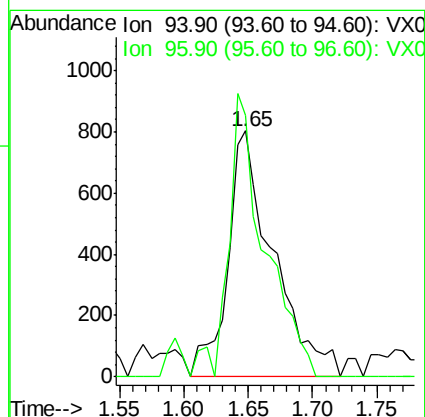
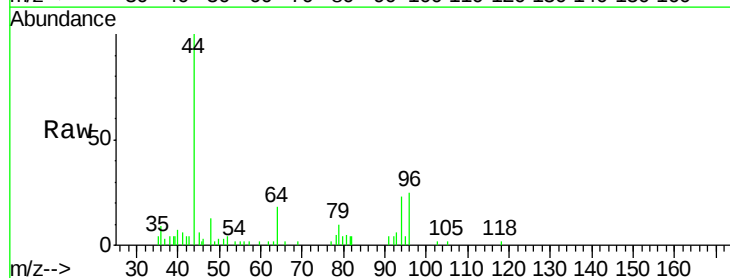
Acq: 06 Jul 2018 01:27

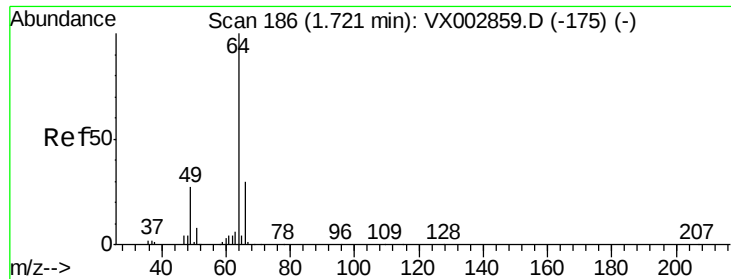
Tgt Ion: 94 Resp: 1971

Ion Ratio Lower Upper

94 100

96 106.5 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA\_X

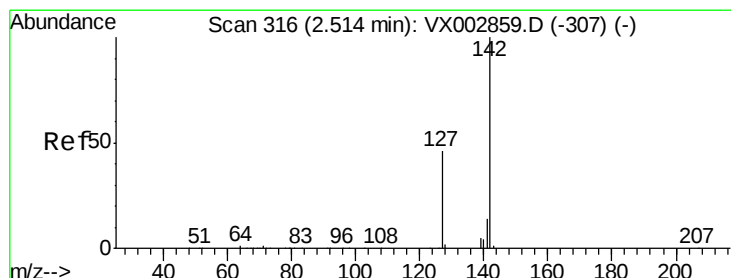
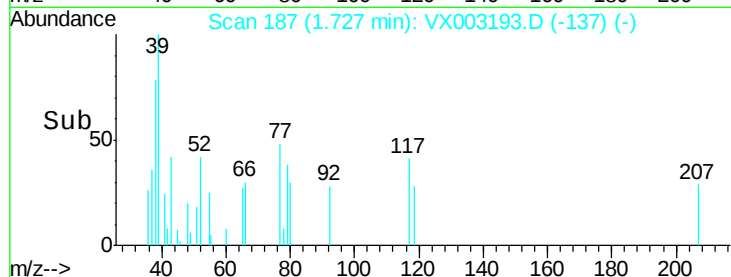
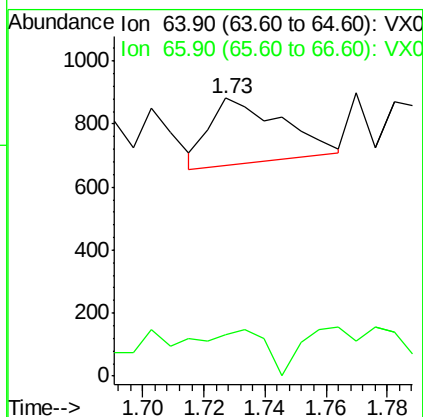
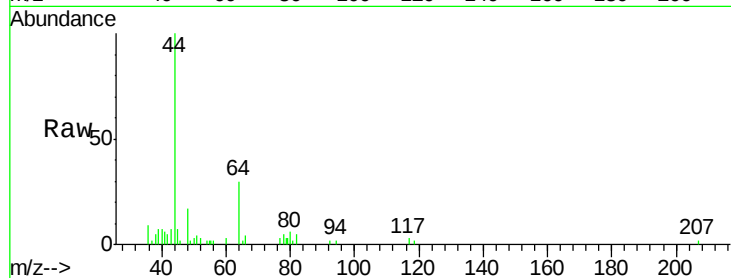
ClientSampleId :

Tot Ion: 64 Resp: 344

Ion Ratio Lower Upper

64 100

66 5.8 25.5 38.3#



#10

Methyl Iodide

Concen: 7.48 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

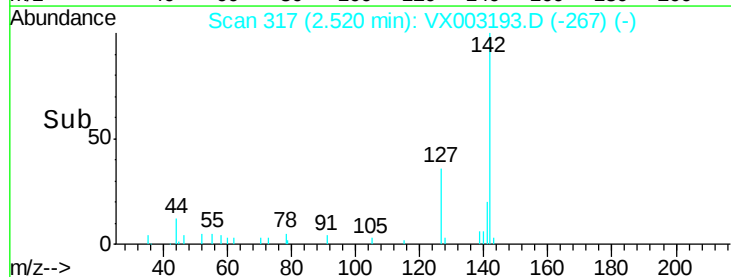
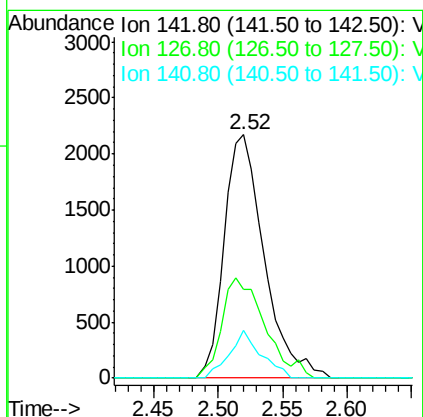
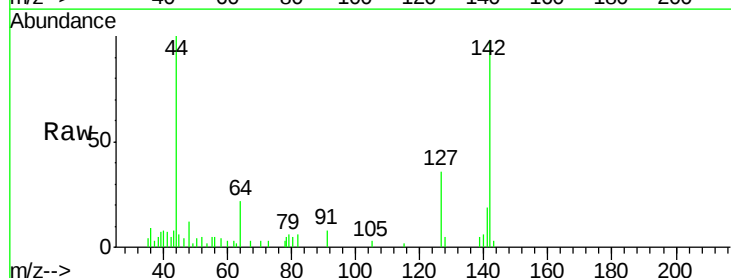
Tgt Ion:142 Resp: 4706

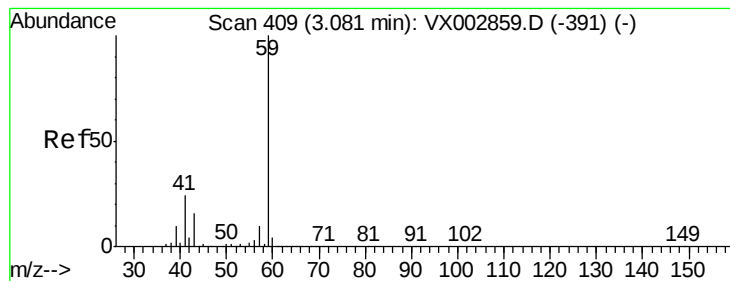
Ion Ratio Lower Upper

142 100

127 44.5 36.6 55.0

141 15.6 11.3 16.9



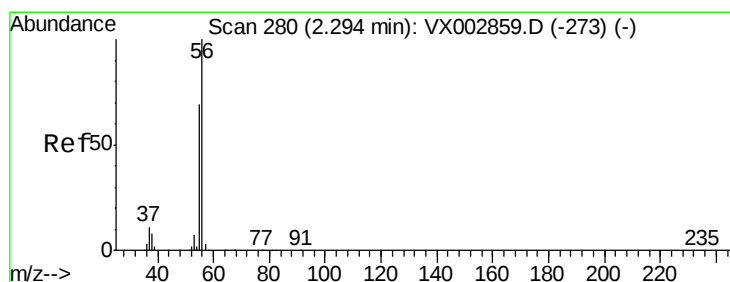
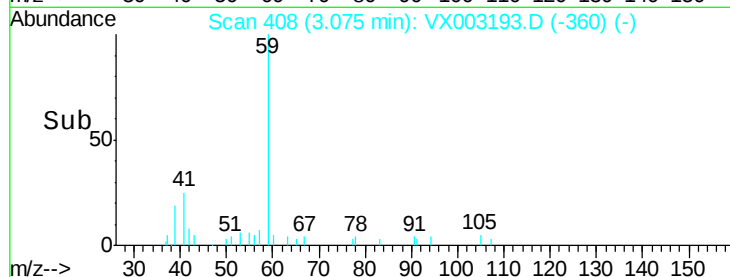
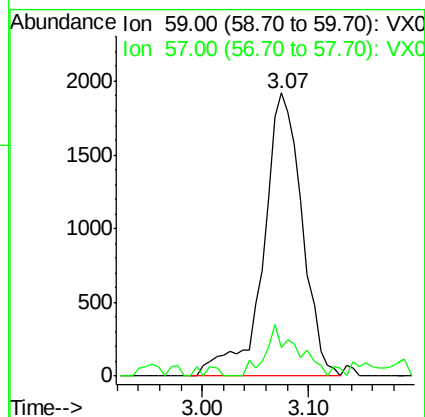
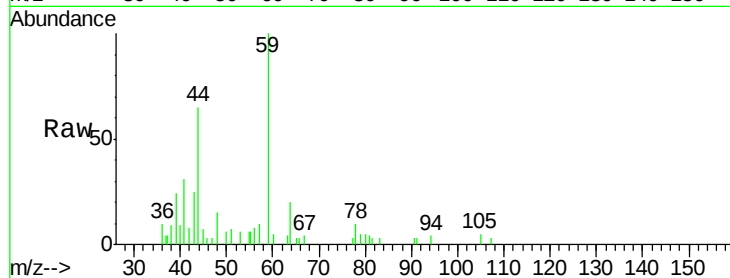


#11

Tert butyl alcohol  
 Concen: 5.97 ug/l  
 RT: 3.07 min Scan# 408  
 Delta R.T. -0.01 min  
 Lab File: VX003193.D  
 Acq: 06 Jul 2018 01:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :

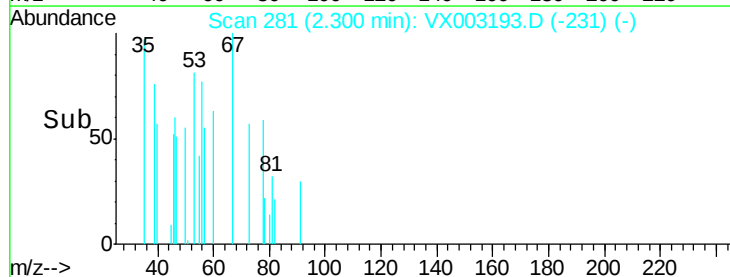
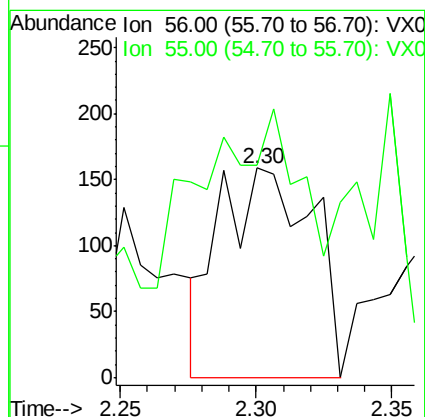
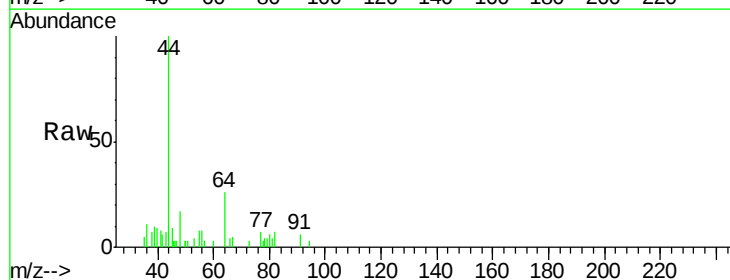
Tot Ion: 59 Resp: 4832  
 Ion Ratio Lower Upper  
 59 100  
 57 14.6 8.2 12.2#

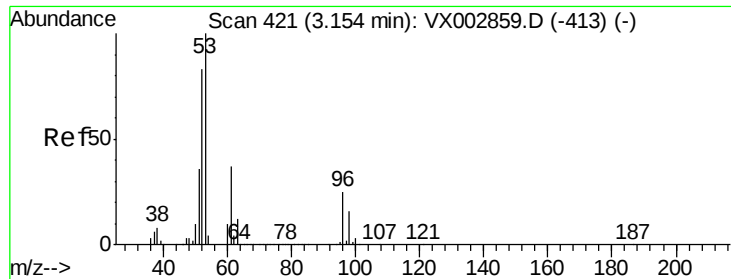


#13

Acrolein  
 Concen: 5.05 ug/l  
 RT: 2.30 min Scan# 281  
 Delta R.T. 0.01 min  
 Lab File: VX003193.D  
 Acq: 06 Jul 2018 01:27

Tgt Ion: 56 Resp: 373  
 Ion Ratio Lower Upper  
 56 100  
 55 85.3 57.0 85.4





#15

Acrylonitrile

Concen: 0.49 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :  
MSVOA\_X  
ClientSampleId :

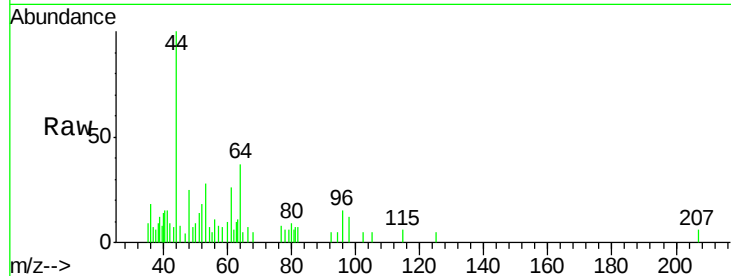
Tot Ion: 53 Resp: 848

Ion Ratio Lower Upper

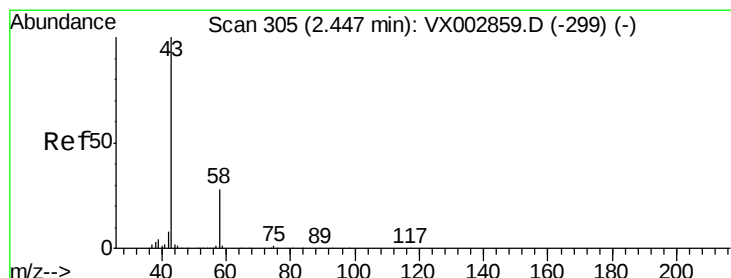
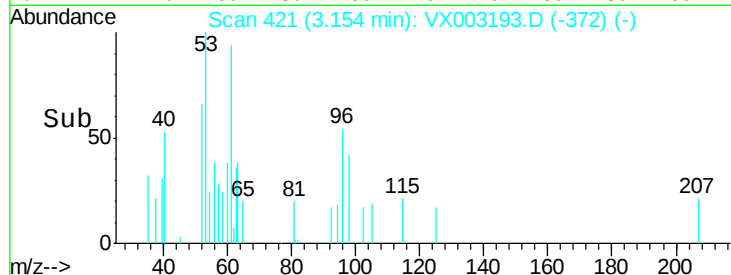
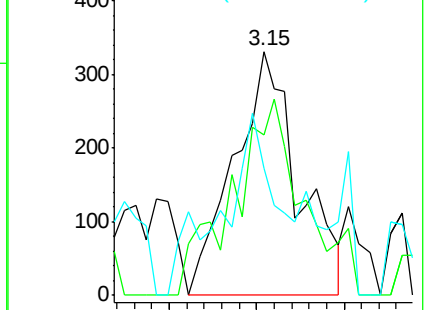
53 100

52 90.0 66.7 100.1

51 38.7 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0  
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.98 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003193.D

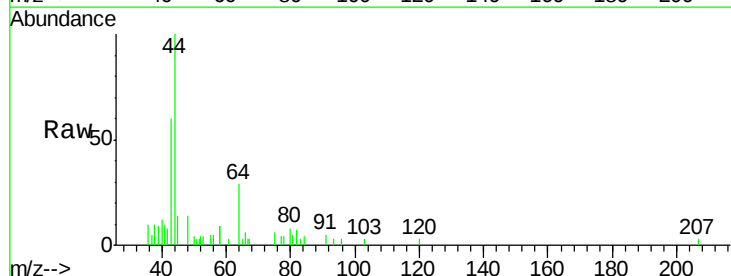
Acq: 06 Jul 2018 01:27

Tgt Ion: 43 Resp: 1650

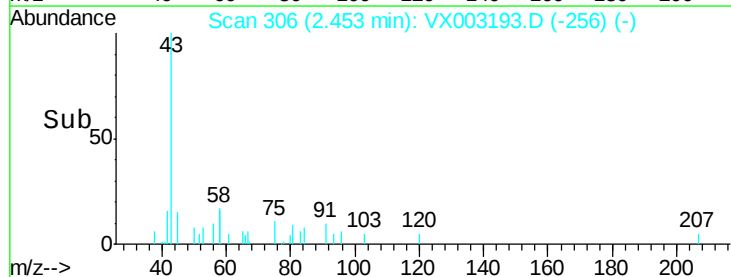
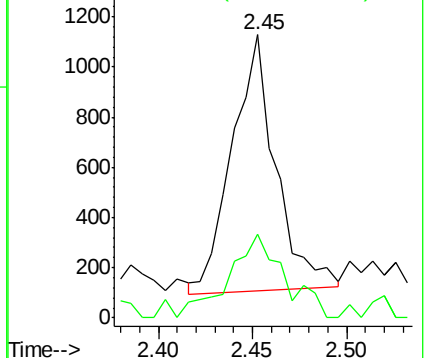
Ion Ratio Lower Upper

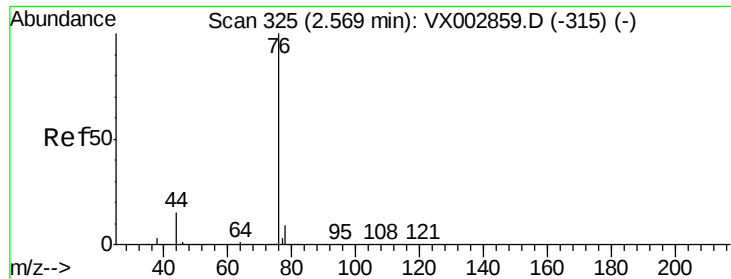
43 100

58 33.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

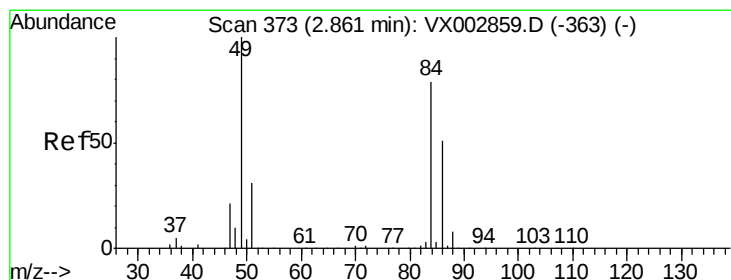
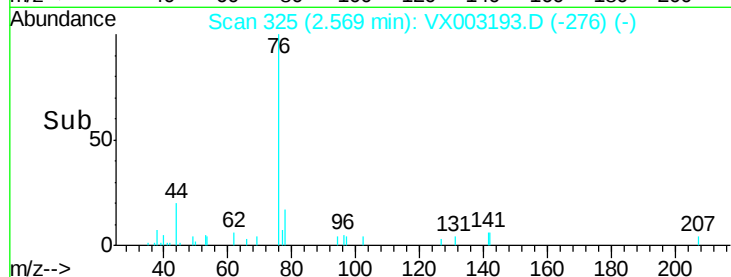
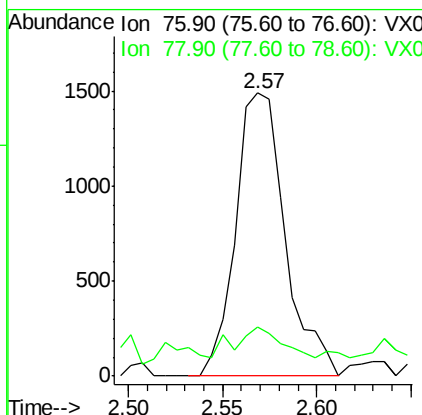
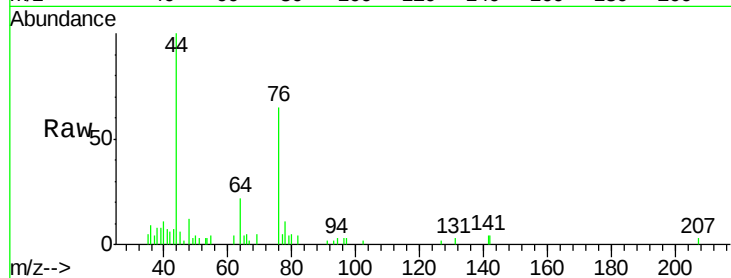




#17  
Carbon Disulfide  
Concen: 0.35 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. 0.00 min  
Lab File: VX003193.D  
Acq: 06 Jul 2018 01:27

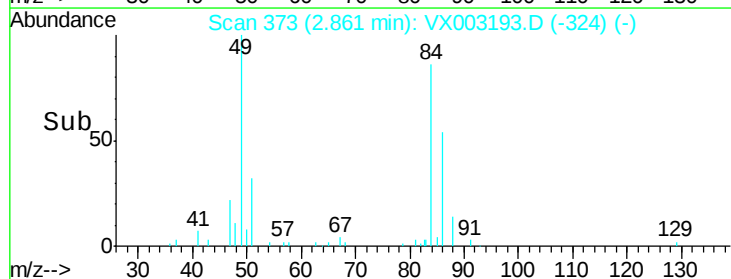
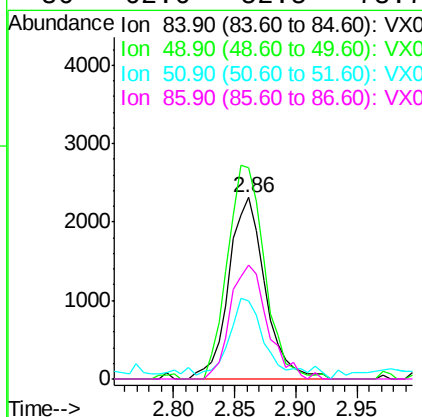
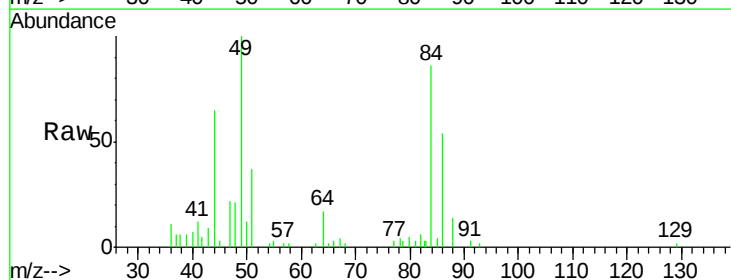
Instrument :  
MSVOA\_X  
ClientSampleId :

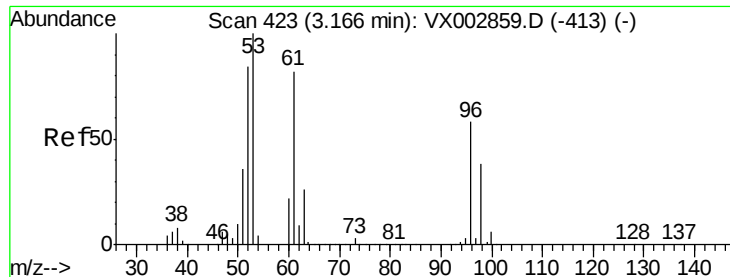
Tot Ion: 76 Resp: 2717  
Ion Ratio Lower Upper  
76 100  
78 8.9 6.9 10.3



#20  
Methylene Chloride  
Concen: 1.46 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX003193.D  
Acq: 06 Jul 2018 01:27

Tgt Ion: 84 Resp: 4775  
Ion Ratio Lower Upper  
84 100  
49 116.5 107.8 161.6  
51 38.2 32.8 49.2  
86 62.6 52.5 78.7

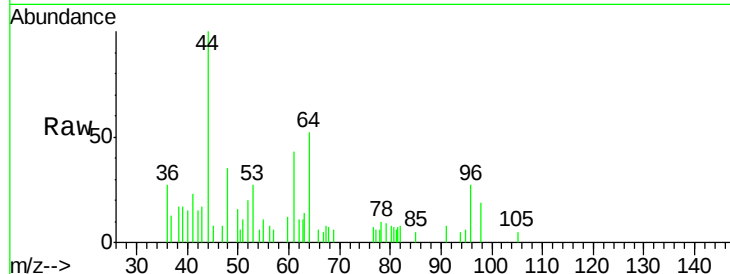




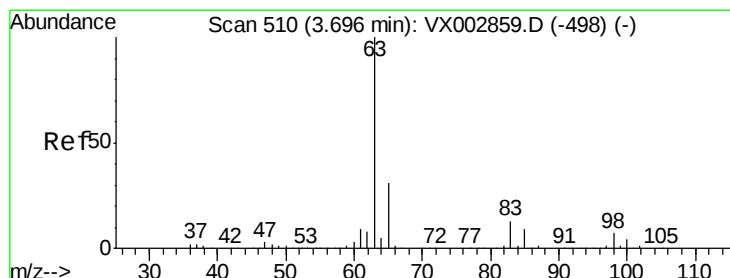
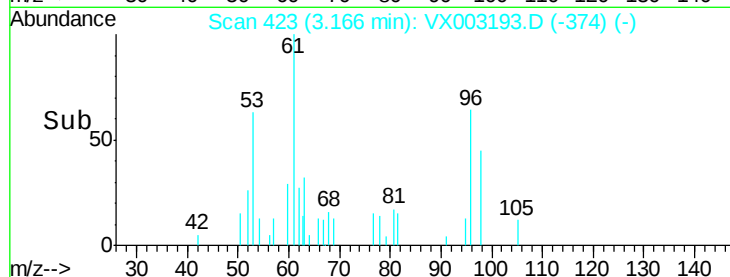
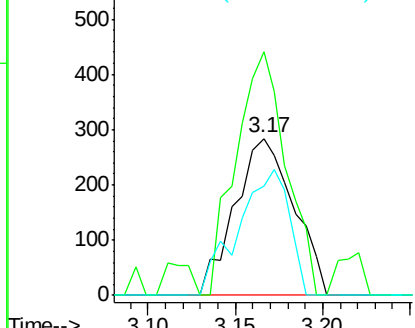
#21  
trans-1,2-Dichloroethene  
Concen: 0.21 ug/l  
RT: 3.17 min Scan# 423  
Delta R.T. 0.00 min  
Lab File: VX003193.D  
Acq: 06 Jul 2018 01:27

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 96 Resp: 665  
Ion Ratio Lower Upper  
96 100  
61 136.3 117.0 175.4  
98 69.4 52.4 78.6

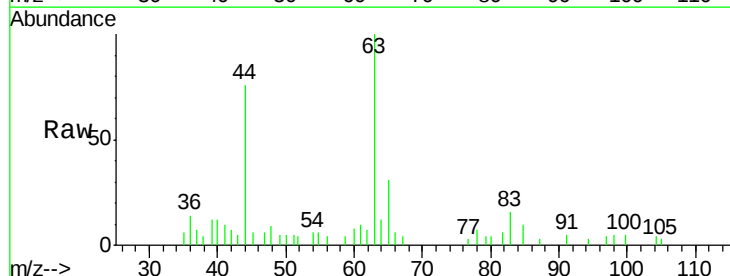


Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0

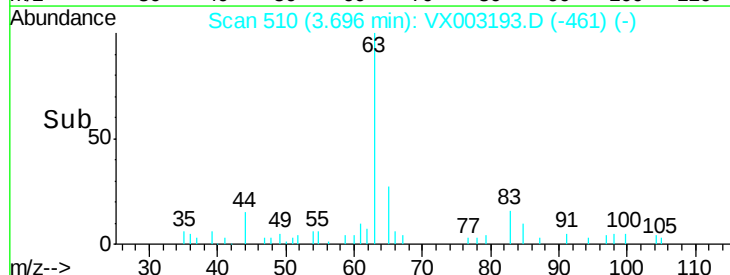
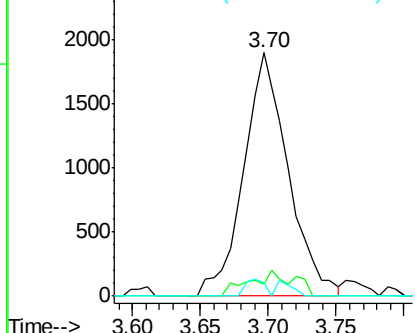


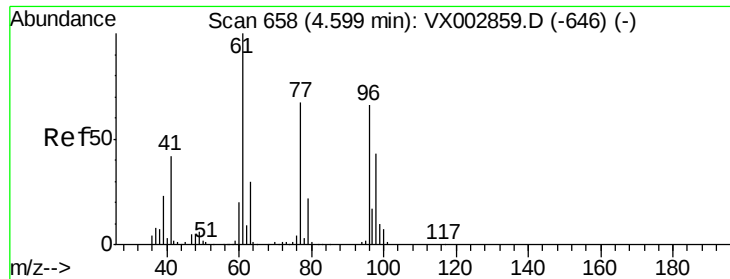
#24  
1,1-Dichloroethane  
Concen: 0.73 ug/l  
RT: 3.70 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VX003193.D  
Acq: 06 Jul 2018 01:27

Tgt Ion: 63 Resp: 4338  
Ion Ratio Lower Upper  
63 100  
98 4.8 3.4 10.2  
100 5.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0  
Ion 99.90 (99.60 to 100.60): VX0



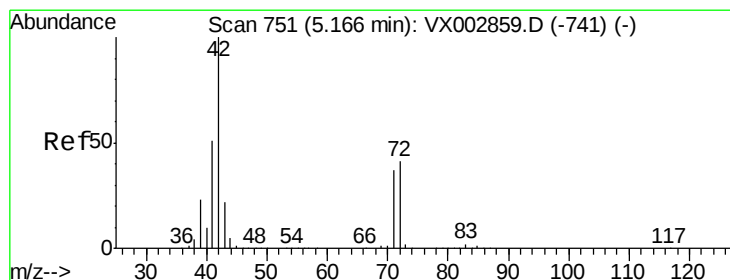
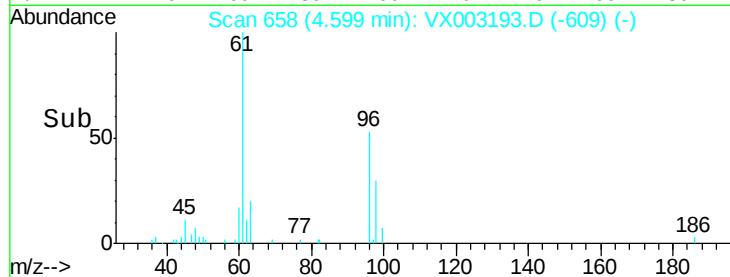
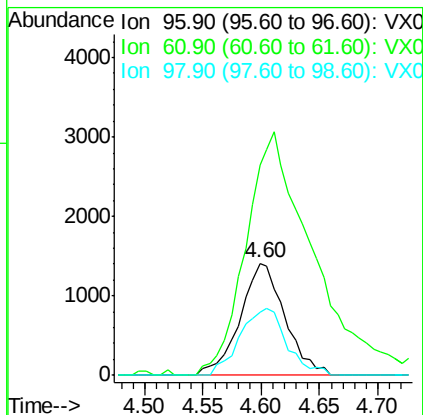
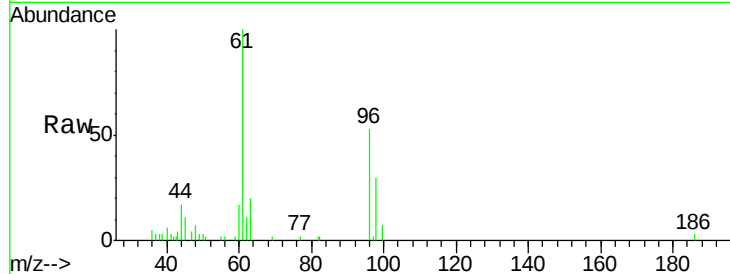


#27

cis-1,2-Dichloroethene  
Concen: 1.06 ug/l  
RT: 4.60 min Scan# 658  
Delta R.T. 0.00 min  
Lab File: VX003193.D  
Acq: 06 Jul 2018 01:27

Instrument :  
MSVOA\_X  
ClientSampled :

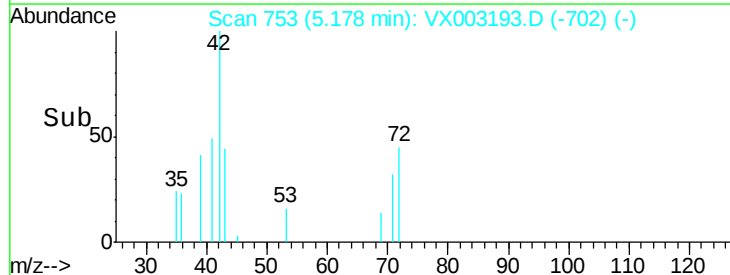
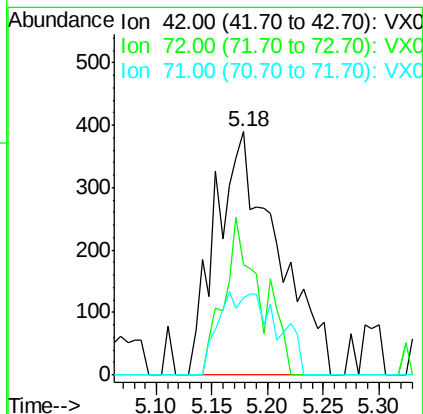
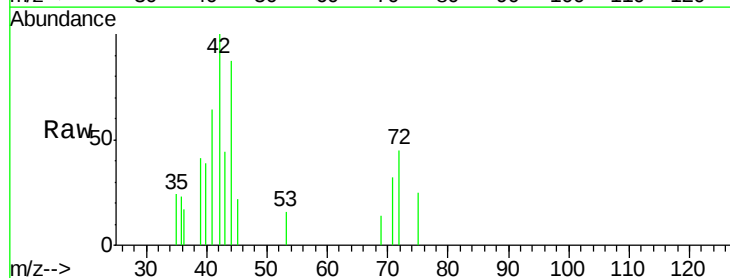
Tot Ion: 96 Resp: 3759  
Ion Ratio Lower Upper  
96 100  
61 330.1 0.0 330.2  
98 62.5 0.0 130.2

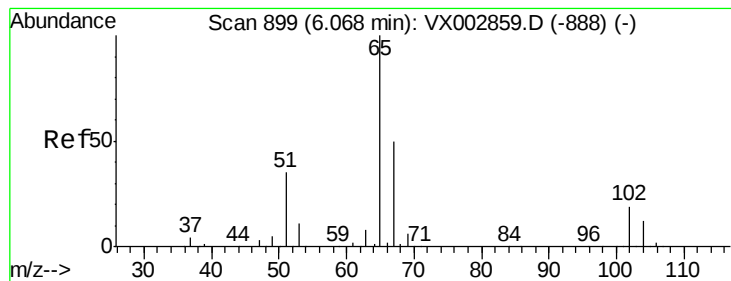


#29

Tetrahydrofuran  
Concen: 0.93 ug/l  
RT: 5.18 min Scan# 753  
Delta R.T. 0.01 min  
Lab File: VX003193.D  
Acq: 06 Jul 2018 01:27

Tgt Ion: 42 Resp: 1493  
Ion Ratio Lower Upper  
42 100  
72 30.5 32.0 48.0#  
71 11.6 30.1 45.1#





#33

1,2-Dichloroethane-d4

Concen: 45.82 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA\_X

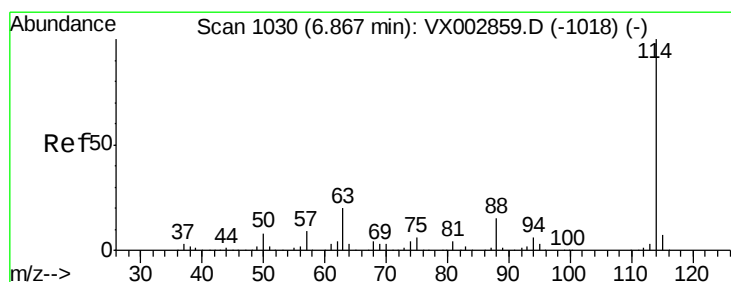
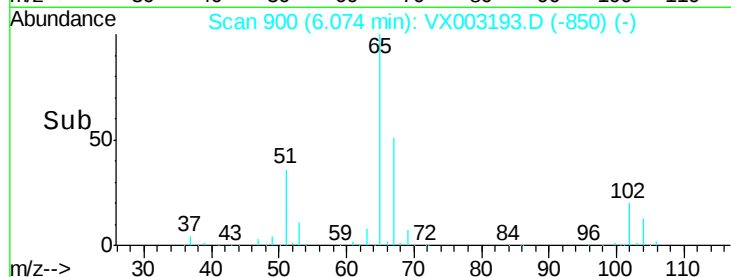
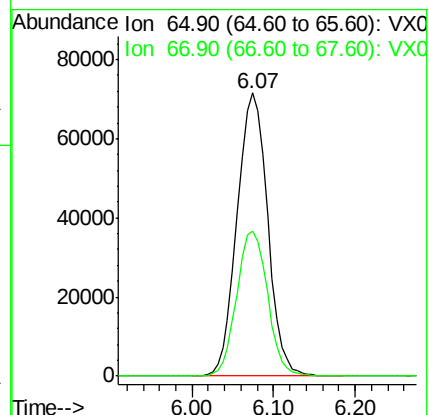
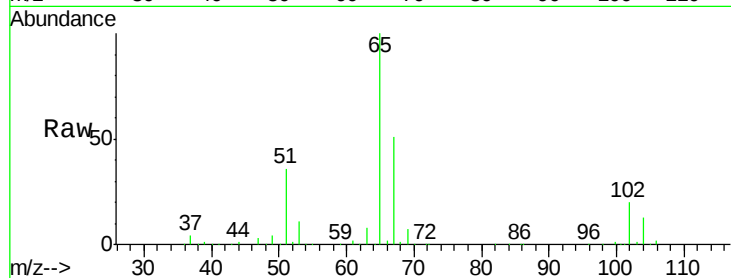
ClientSampleId :

Tot Ion: 65 Resp: 186073

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

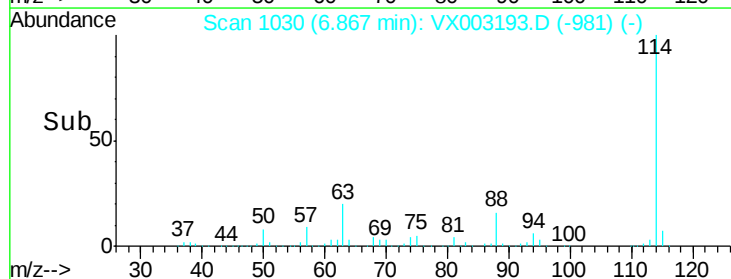
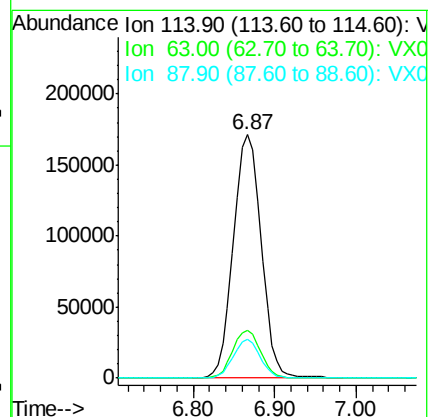
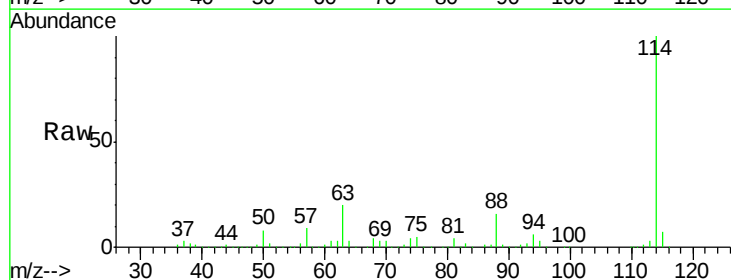
Tgt Ion: 114 Resp: 404494

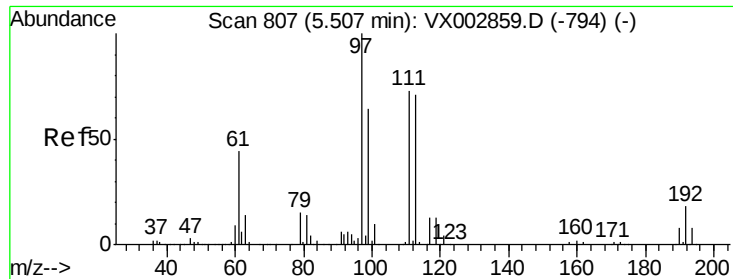
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

88 15.7 0.0 30.0

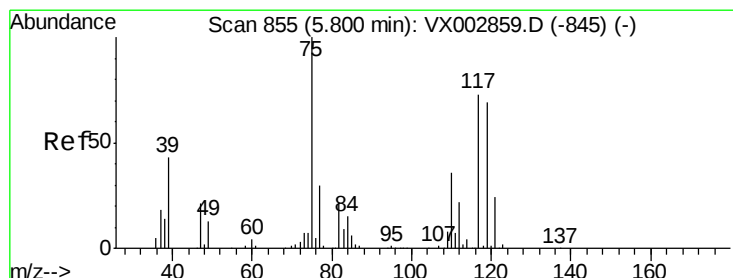
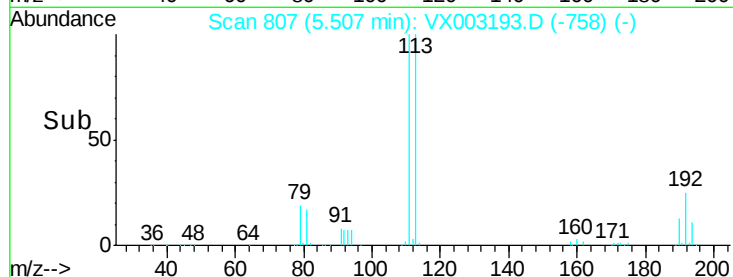
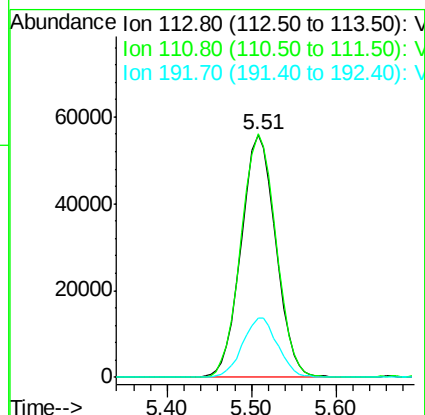
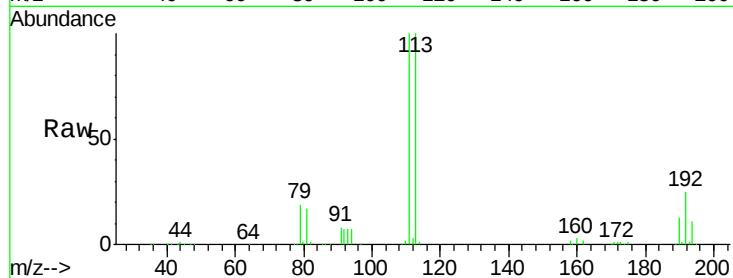




#35  
 Dibromofluoromethane  
 Concen: 48.63 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX003193.D  
 Acq: 06 Jul 2018 01:27

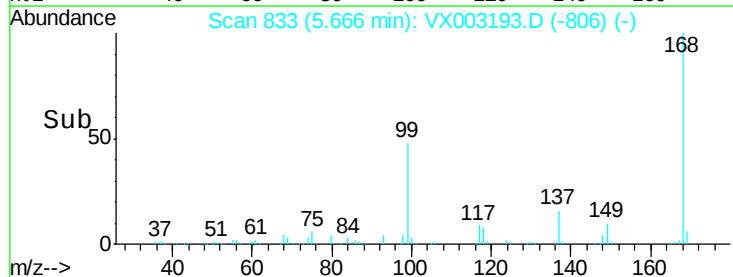
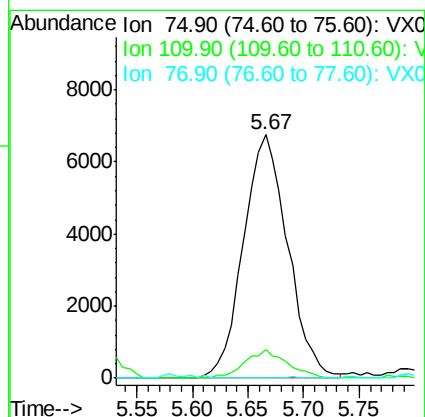
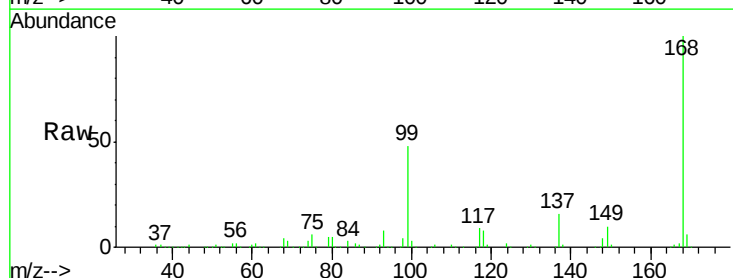
Instrument :  
 MSVOA\_X  
 ClientSampleId :

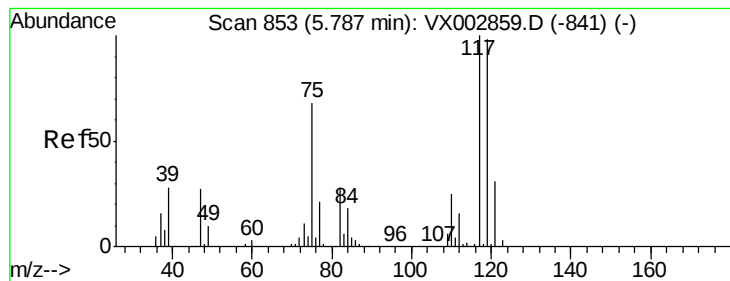
Tot Ion:113 Resp: 155777  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 81.4 122.0  
 192 24.7 19.1 28.7



#36  
 1,1-Dichloropropene  
 Concen: 4.21 ug/l  
 RT: 5.67 min Scan# 833  
 Delta R.T. -0.13 min  
 Lab File: VX003193.D  
 Acq: 06 Jul 2018 01:27

Tgt Ion: 75 Resp: 18664  
 Ion Ratio Lower Upper  
 75 100  
 110 10.8 18.1 54.4#  
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.28 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA\_X

ClientSampleId :

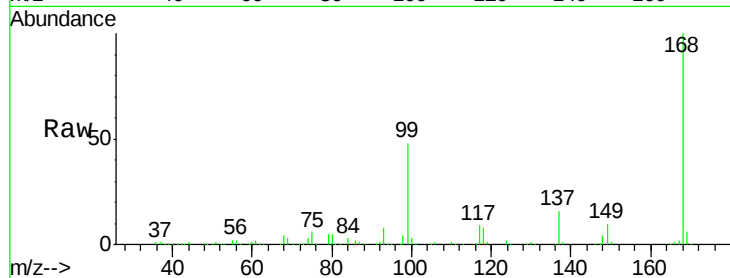
Tot Ion:117 Resp: 25681

Ion Ratio Lower Upper

117 100

119 7.1 77.4 116.0#

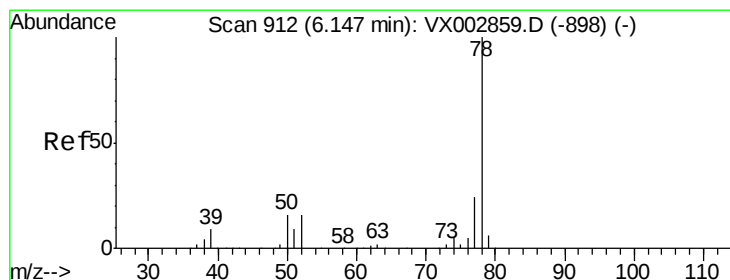
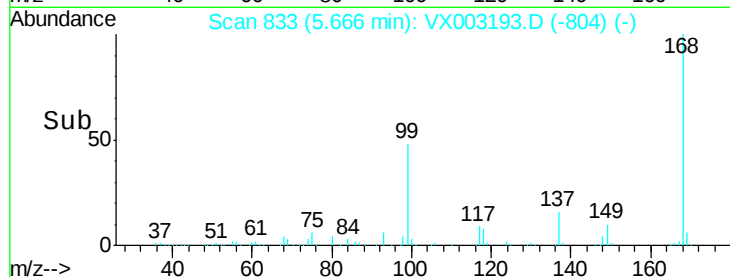
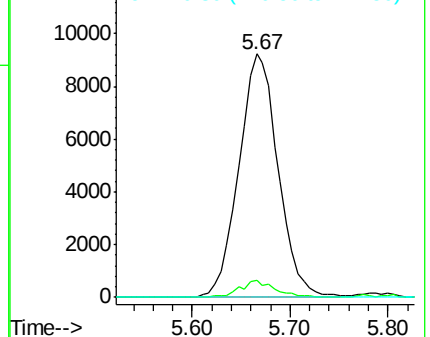
121 0.0 24.4 36.6#



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



#40

Benzene

Concen: 0.46 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX003193.D

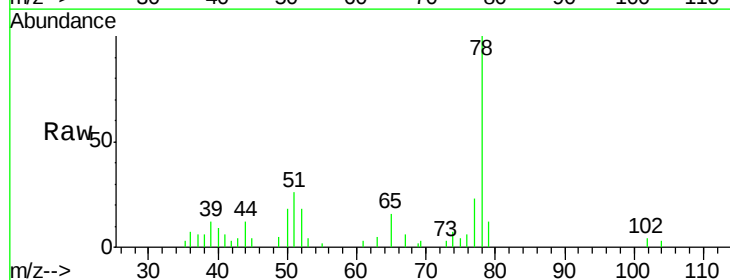
Acq: 06 Jul 2018 01:27

Tgt Ion: 78 Resp: 5885

Ion Ratio Lower Upper

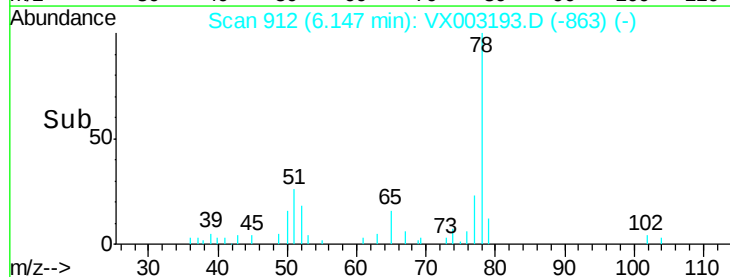
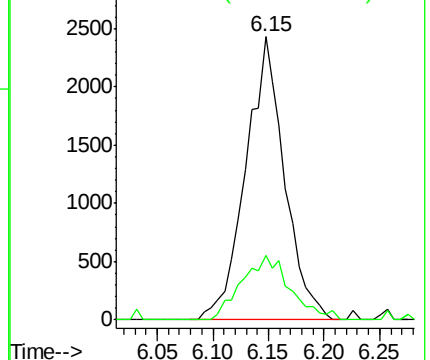
78 100

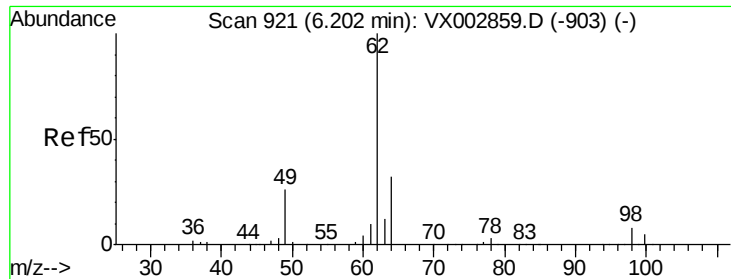
77 23.0 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

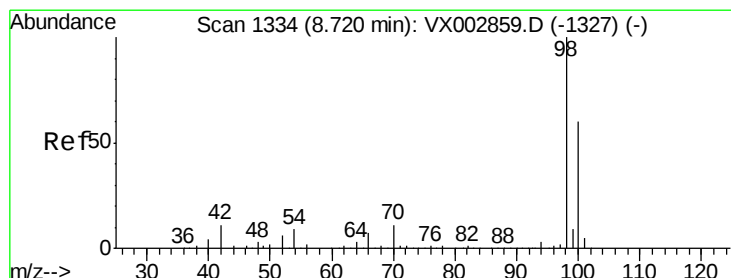
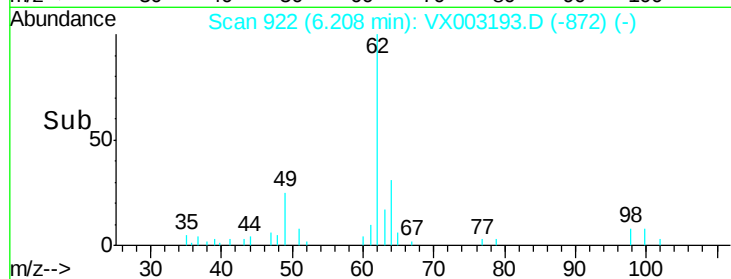
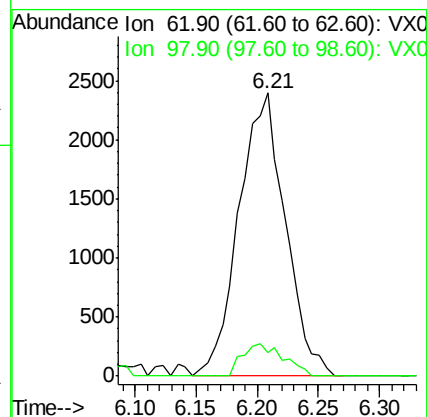
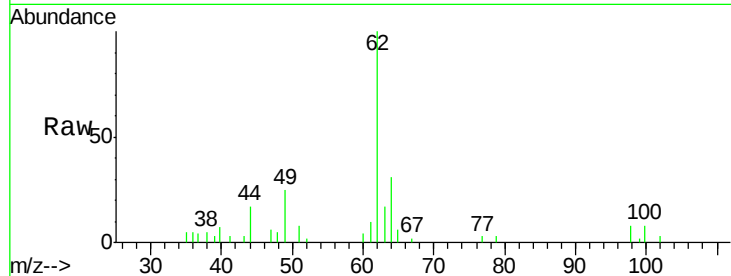




#42  
 1,2-Dichloroethane  
 Concen: 1.21 ug/l  
 RT: 6.21 min Scan# 922  
 Delta R.T. 0.01 min  
 Lab File: VX003193.D  
 Acq: 06 Jul 2018 01:27

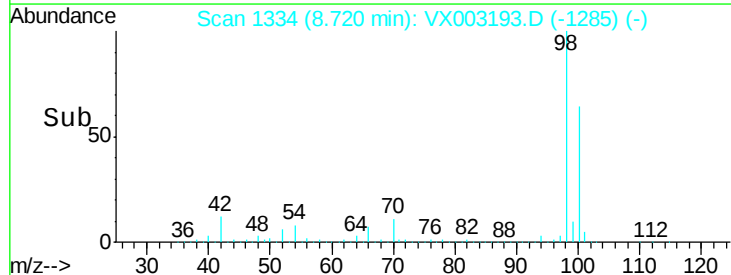
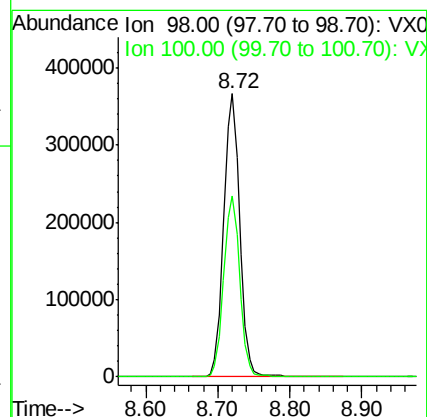
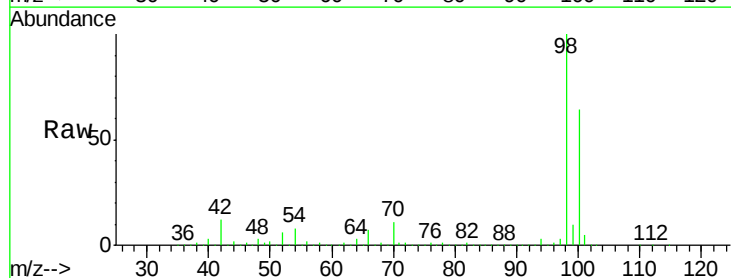
Instrument :  
 MSVOA\_X  
 ClientSampleId :

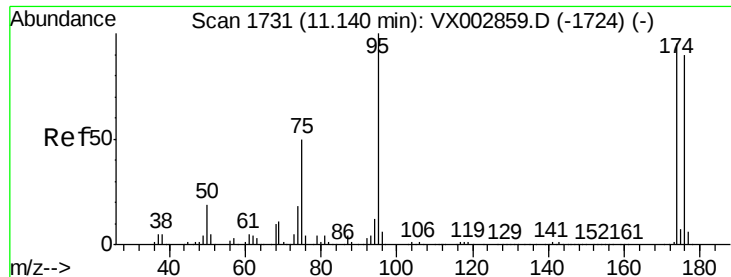
Tot Ion: 62 Resp: 6325  
 Ion Ratio Lower Upper  
 62 100  
 98 10.1 0.0 16.6



#50  
 Toluene-d8  
 Concen: 48.49 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: VX003193.D  
 Acq: 06 Jul 2018 01:27

Tgt Ion: 98 Resp: 567169  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 50.9 76.3

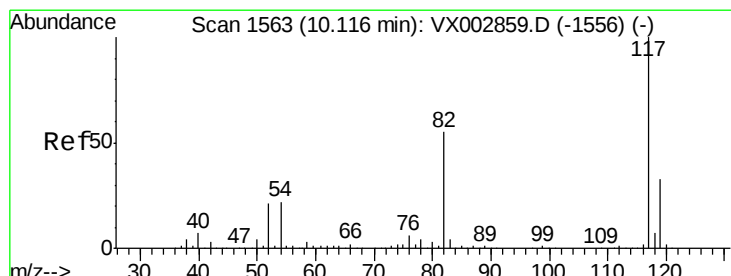
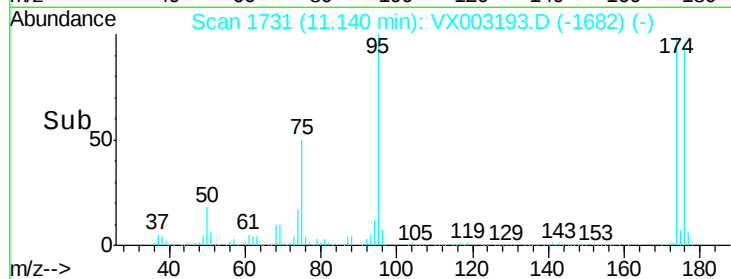
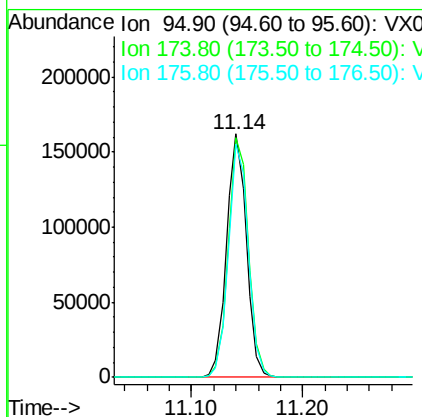
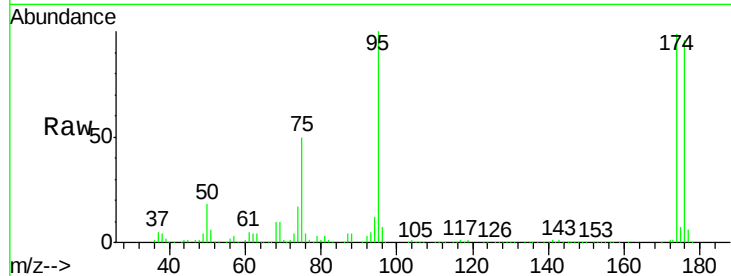




#62  
4-Bromofluorobenzene  
Concen: 44.33 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX003193.D  
Acq: 06 Jul 2018 01:27

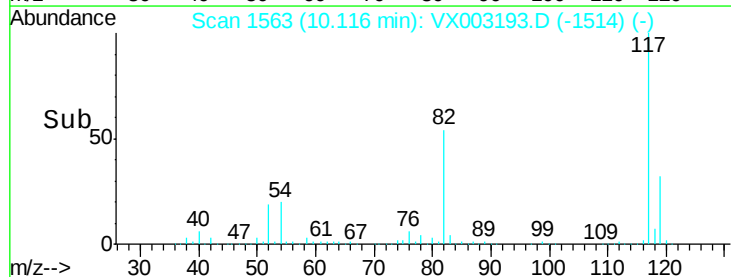
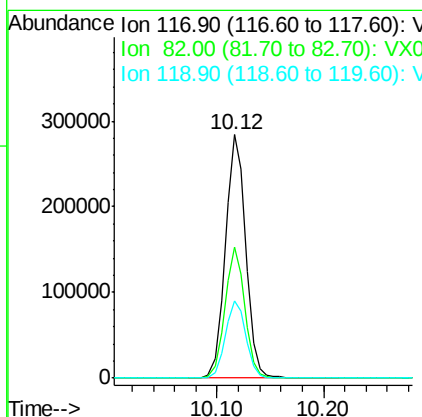
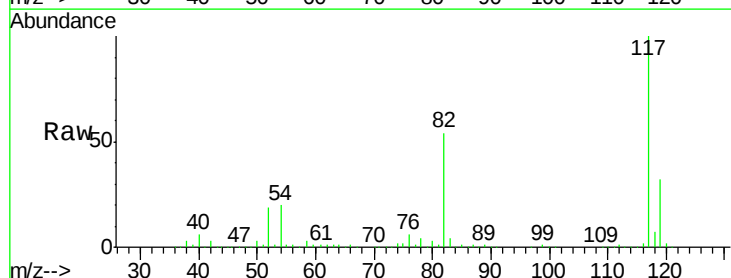
Instrument :  
MSVOA\_X  
ClientSampleId :

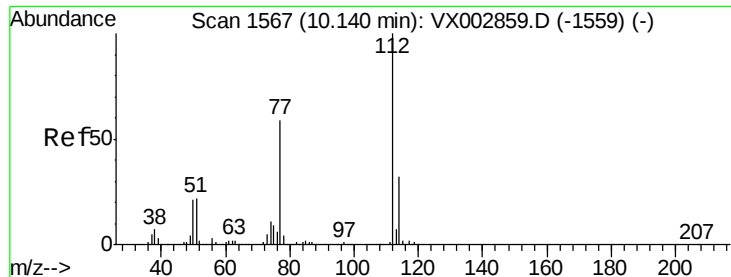
Tot Ion: 95 Resp: 199990  
Ion Ratio Lower Upper  
95 100  
174 100.1 0.0 187.4  
176 96.0 0.0 181.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003193.D  
Acq: 06 Jul 2018 01:27

Tgt Ion: 117 Resp: 379343  
Ion Ratio Lower Upper  
117 100  
82 53.6 45.0 67.4  
119 31.8 25.8 38.6





#65

Chlorobenzene

Concen: 21.72 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA\_X

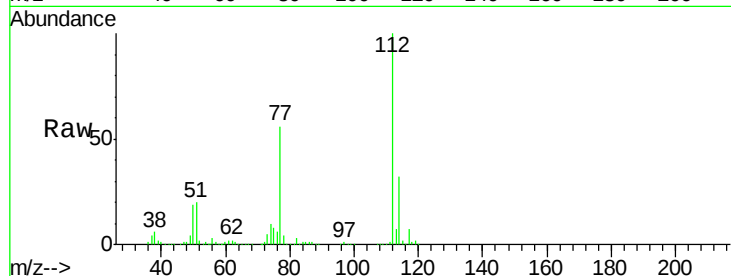
ClientSampleId :

Tot Ion:112 Resp: 209277

Ion Ratio Lower Upper

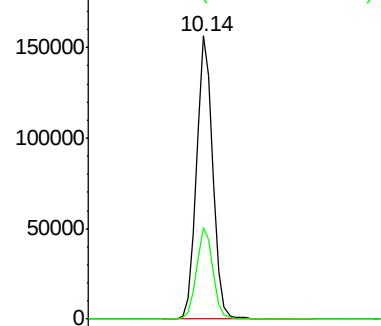
112 100

114 32.5 25.3 37.9

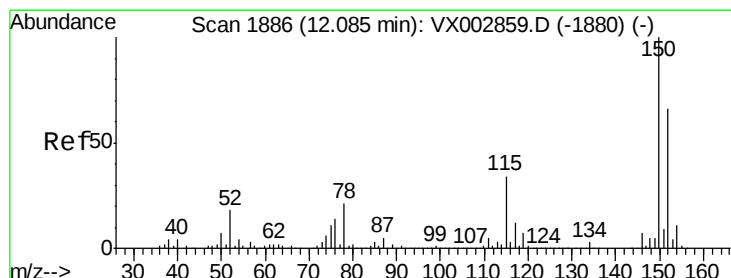
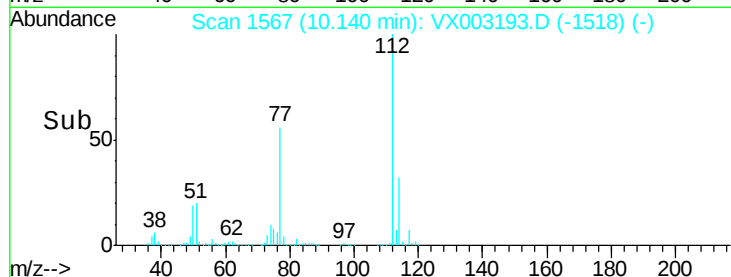


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

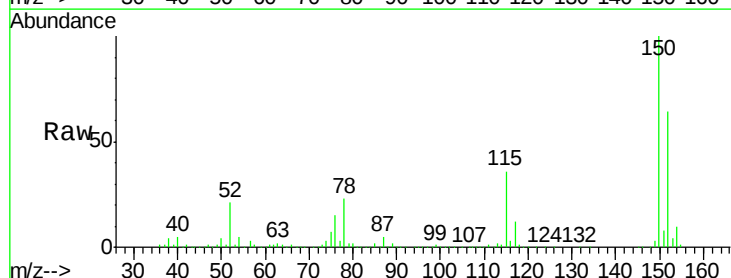
Tgt Ion:152 Resp: 212512

Ion Ratio Lower Upper

152 100

115 54.0 40.1 120.2

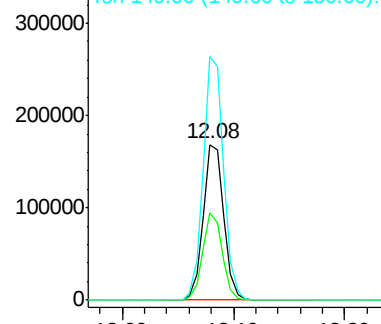
150 156.0 0.0 347.2



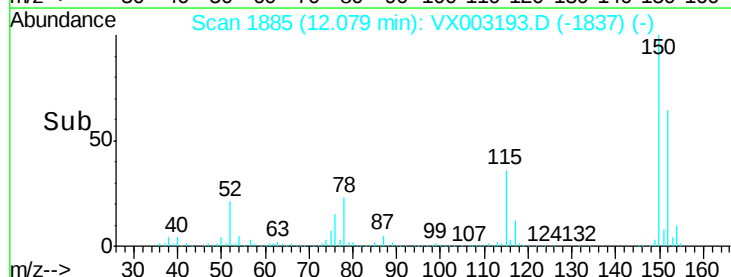
Abundance Ion 151.90 (151.60 to 152.60): V

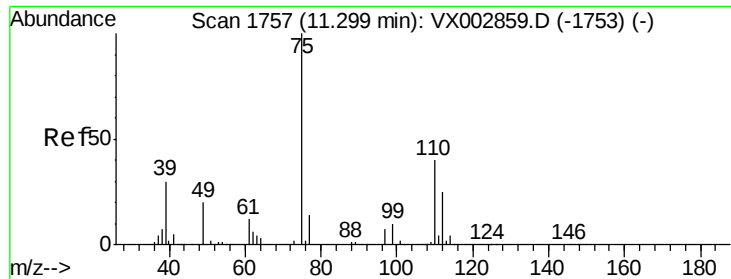
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 26.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Instrument :

MSVOA\_X

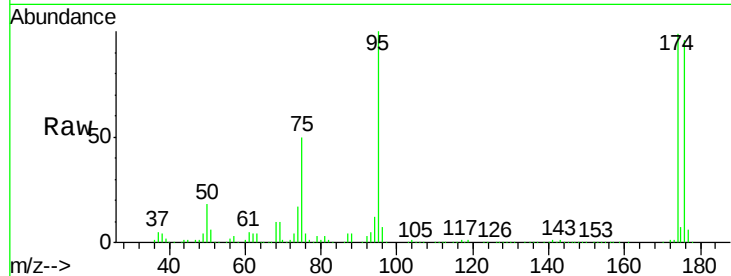
ClientSampled :

Tot Ion: 75 Resp: 100623

Ion Ratio Lower Upper

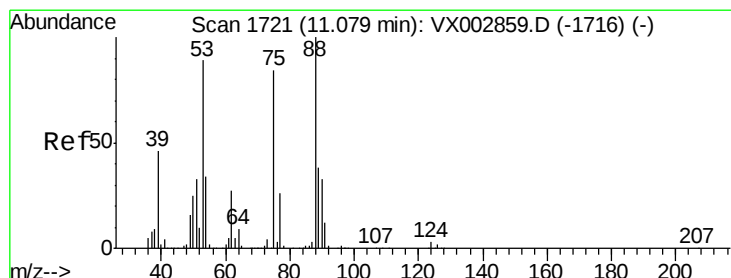
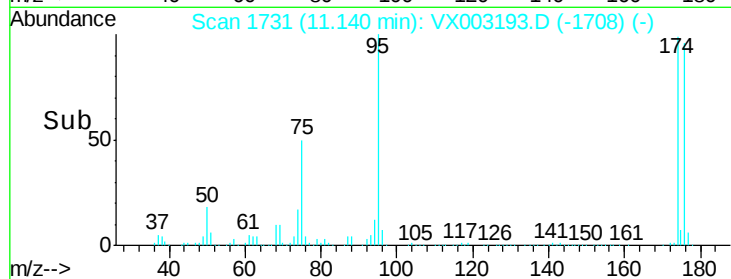
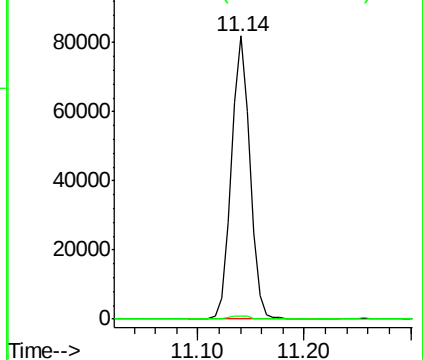
75 100

77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 74.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

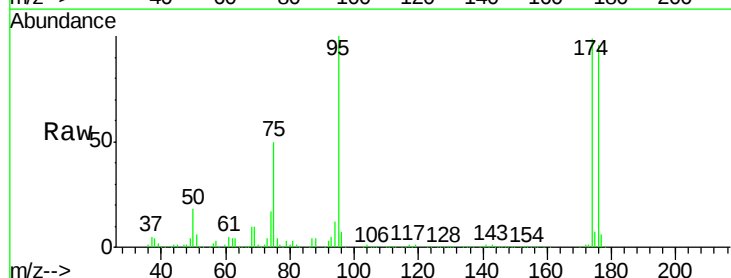
Tgt Ion: 75 Resp: 100623

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

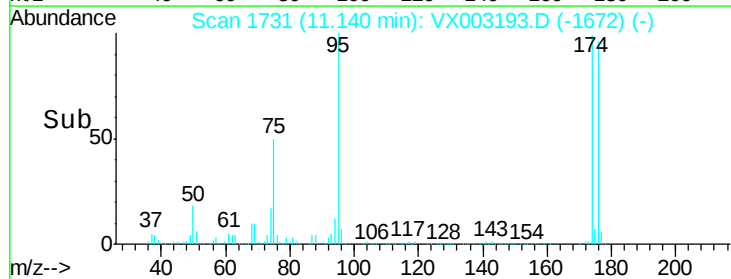
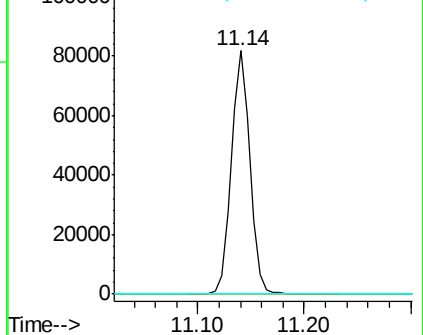
89 0.0 38.2 57.2#

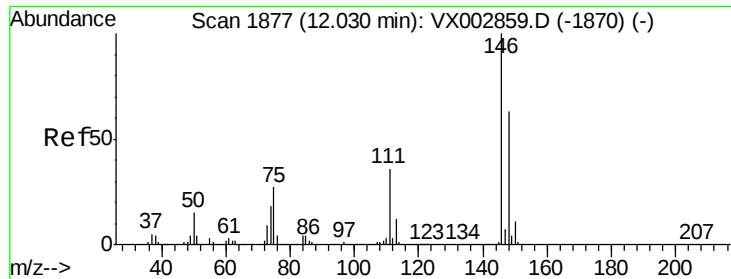


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

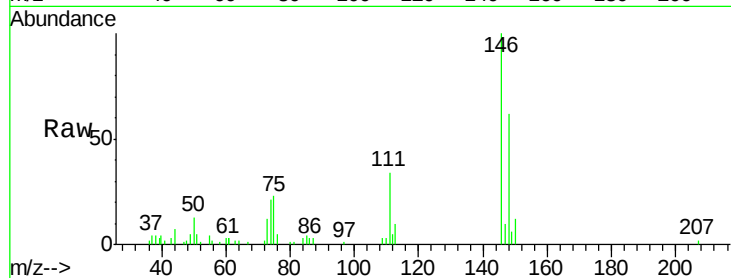




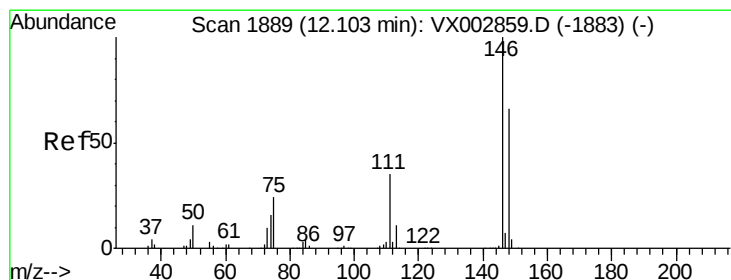
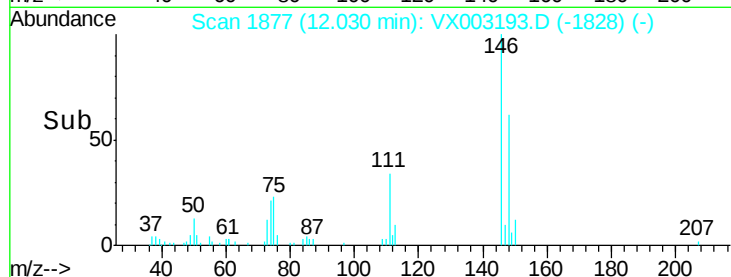
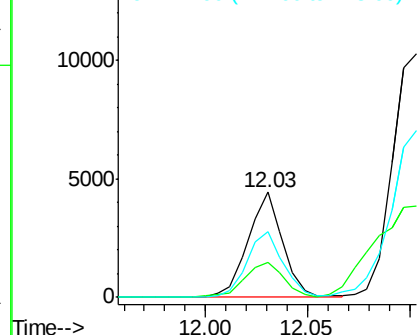
#87  
 1,3-Dichlorobenzene  
 Concen: 0.71 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. 0.00 min  
 Lab File: VX003193.D  
 Acq: 06 Jul 2018 01:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion:146 Resp: 5259  
 Ion Ratio Lower Upper  
 146 100  
 111 37.0 18.9 56.7  
 148 64.6 32.1 96.3

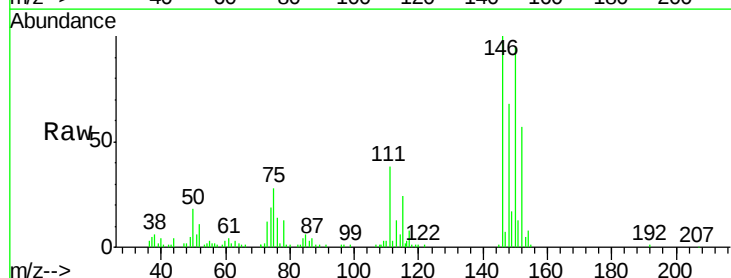


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

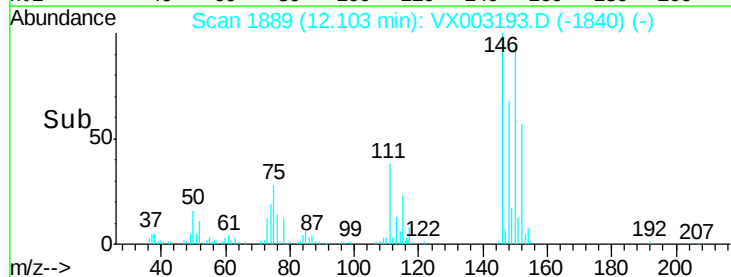
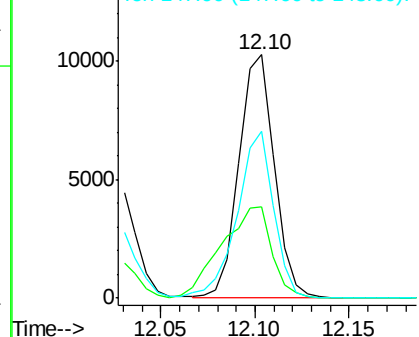


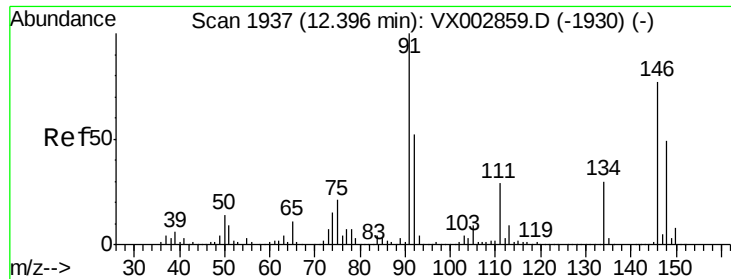
#88  
 1,4-Dichlorobenzene  
 Concen: 1.76 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. 0.00 min  
 Lab File: VX003193.D  
 Acq: 06 Jul 2018 01:27

Tgt Ion:146 Resp: 13437  
 Ion Ratio Lower Upper  
 146 100  
 111 53.5 18.7 56.1  
 148 70.5 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

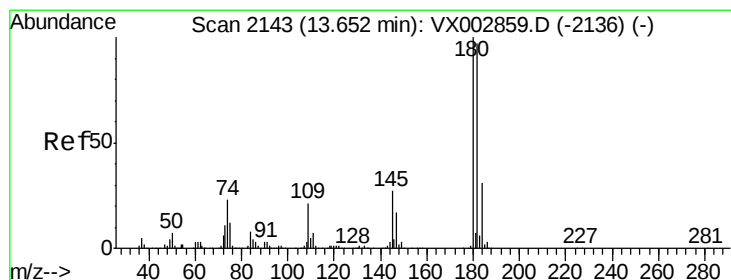
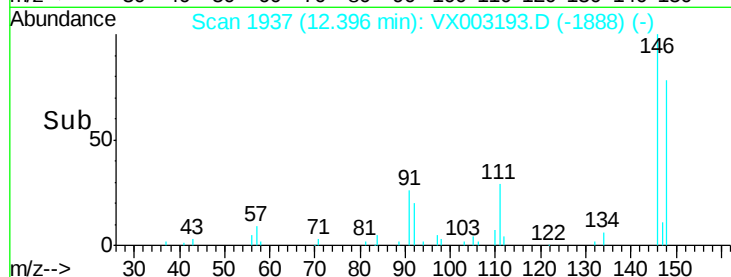
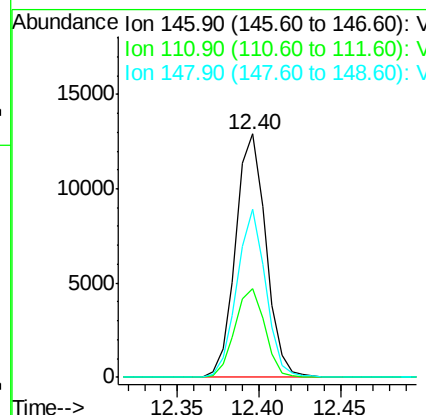
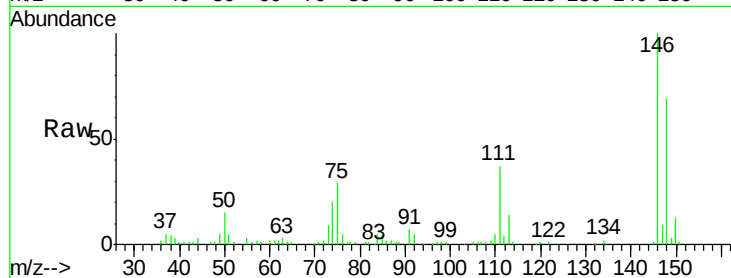




#91  
 1,2-Dichlorobenzene  
 Concen: 2.23 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VX003193.D  
 Acq: 06 Jul 2018 01:27

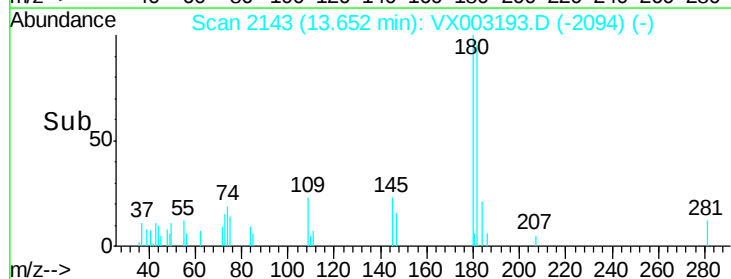
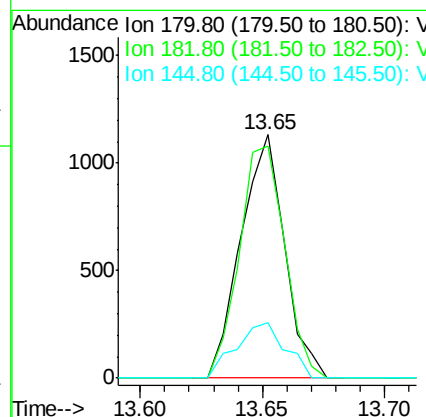
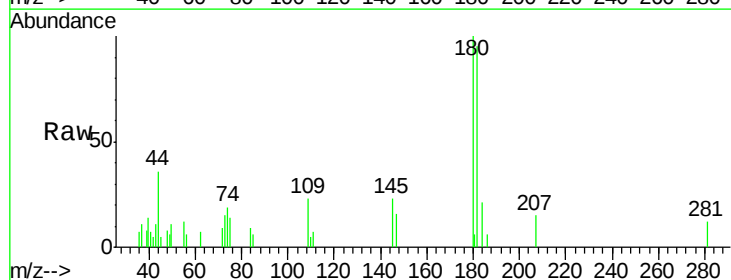
Instrument :  
 MSVOA\_X  
 ClientSampleId :

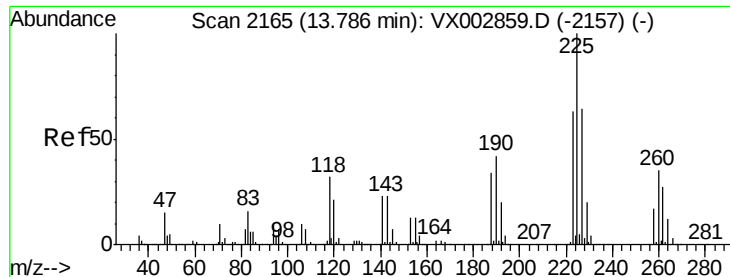
Tot Ion:146 Resp: 16746  
 Ion Ratio Lower Upper  
 146 100  
 111 36.1 19.4 58.1  
 148 65.5 31.7 95.1



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.26 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VX003193.D  
 Acq: 06 Jul 2018 01:27

Tgt Ion:180 Resp: 1409  
 Ion Ratio Lower Upper  
 180 100  
 182 99.1 47.7 143.1  
 145 25.7 14.1 42.4





#94

Hexachlorobutadiene

Concen: 0.21 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

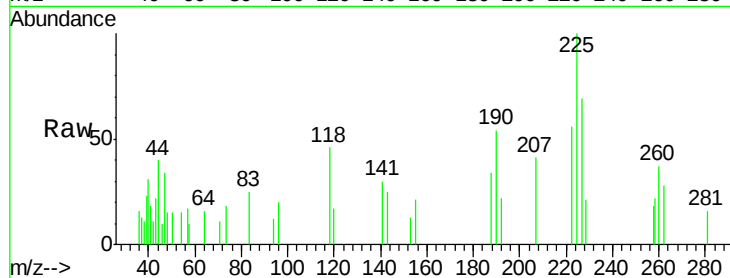
Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion:225 Resp: 584

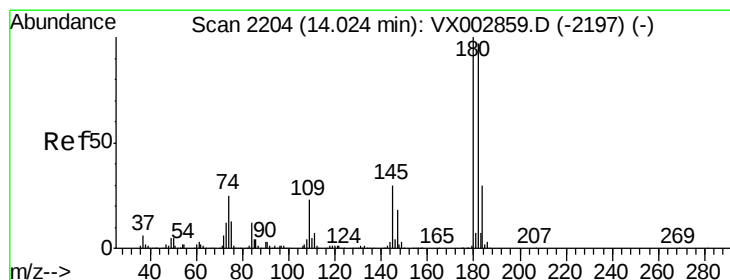
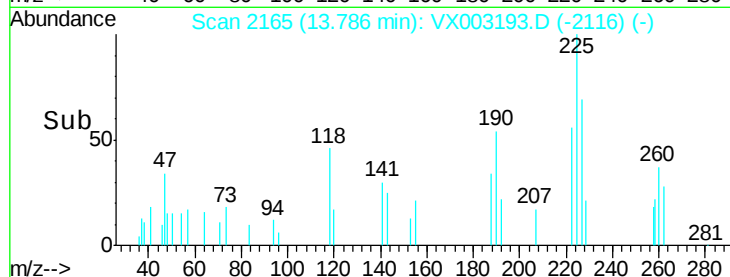
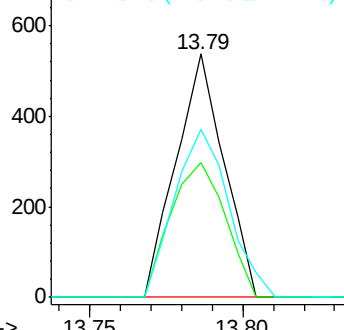
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 63.0  | 31.6  | 95.0  |
| 227 | 78.3  | 32.4  | 97.2  |



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.21 ug/l

RT: 14.02 min Scan# 2204

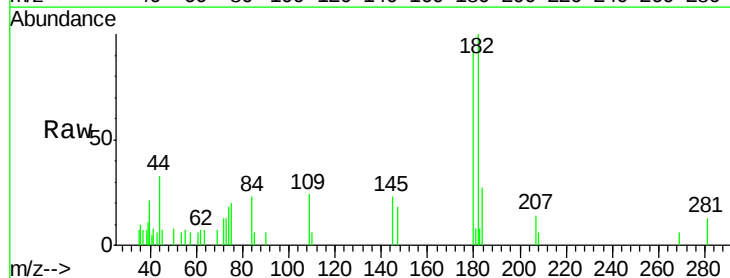
Delta R.T. 0.00 min

Lab File: VX003193.D

Acq: 06 Jul 2018 01:27

Tgt Ion:180 Resp: 1158

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 101.3 | 48.0  | 144.0 |
| 145 | 27.3  | 14.8  | 44.3  |



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

