

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\  
 Data File : VX002909.D  
 Acq On : 26 Jun 2018 22:24  
 Operator : JC/MD  
 Sample : J3707-03 50X  
 Misc : 5.64µ/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 27 02:43:02 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  | 253715   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 354950   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 327103   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 188655   | 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   | 170305   | 48.56 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.12% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 135791   | 48.31 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.62% |          |
| 50) Toluene-d8              | 8.72  | 98   | 497856   | 48.50 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.00% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 175459   | 44.32 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.64% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 2) Dichlorodifluoromethane     | 1.19  | 85   | 113      | Below Cal | #     | 43     |
| 3) Chloromethane               | 1.32  | 50   | 460      | Below Cal | #     | 81     |
| 4) Vinyl Chloride              | 1.40  | 62   | 12856    | 4.48      | ug/l  | 53     |
| 5) Bromomethane                | 1.65  | 94   | 1608     | Below Cal |       | 99     |
| 6) Chloroethane                | 1.72  | 64   | 407      | Below Cal |       | 96     |
| 10) Methyl Iodide              | 2.52  | 142  | 2342     | 6.95      | ug/l  | 98     |
| 11) Tert butyl alcohol         | 3.03  | 59   | 4003     | 5.73      | ug/l  | 76     |
| 12) 1,1-Dichloroethene         | 2.37  | 96   | 913      | 0.36      | ug/l  | 62     |
| 13) Acrolein                   | 2.29  | 56   | 262      | 4.89      | ug/l  | 100    |
| 15) Acrylonitrile              | 3.12  | 53   | 382      | 0.26      | ug/l  | 22     |
| 16) Acetone                    | 2.45  | 43   | 988      | 0.68      | ug/l  | 75     |
| 17) Carbon Disulfide           | 2.58  | 76   | 1446     | 0.22      | ug/l  | 82     |
| 20) Methylene Chloride         | 2.86  | 84   | 948      | 0.34      | ug/l  | 87     |
| 21) trans-1,2-Dichloroethene   | 3.17  | 96   | 1425     | 0.52      | ug/l  | 79     |
| 25) 2-Butanone                 | 4.72  | 43   | 578      | 0.27      | ug/l  | 52     |
| 27) cis-1,2-Dichloroethene     | 4.60  | 96   | 145625   | 47.66     | ug/l  | 84     |
| 29) Tetrahydrofuran            | 5.17  | 42   | 1213     | 0.88      | ug/l  | 52     |
| 36) 1,1-Dichloropropene        | 5.67  | 75   | 17401    | 4.47      | ug/l  | 51     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 22934    | 5.37      | ug/l  | 15     |
| 39) Methylcyclohexane          | 7.47  | 83   | 1952     | 0.43      | ug/l  | 74     |
| 44) Trichloroethene            | 7.21  | 130  | 1877     | 0.56      | ug/l  | 90     |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1550     | 0.35      | ug/l  | 92     |
| 52) Toluene                    | 8.79  | 92   | 15484    | 2.14      | ug/l  | 97     |
| 68) m/p-Xylenes                | 10.36 | 106  | 2551     | 0.48      | ug/l  | 97     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 93053    | 27.23     | ug/l  | 33     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 4949     | 0.46      | ug/l  | 95     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 93053    | 77.06     | ug/l  | 7      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 11359    | 1.03      | ug/l  | 93     |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 1872     | 0.28      | ug/l  | 42     |
| 89) n-Butylbenzene             | 12.39 | 91   | 4706     | 0.47      | ug/l  | 49     |
| 90) Hexachloroethane           | 12.59 | 117  | 406      | 0.24      | ug/l  | 1      |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 3503     | 0.53      | ug/l  | 93     |
| 95) Naphthalene                | 13.84 | 128  | 7127     | 0.55      | ug/l  | 97     |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062618\  
Data File : VX002909.D  
Acq On : 26 Jun 2018 22:24  
Operator : JC/MD  
Sample : J3707-03 50X  
Misc : 5.64g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jun 27 02:43:02 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

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

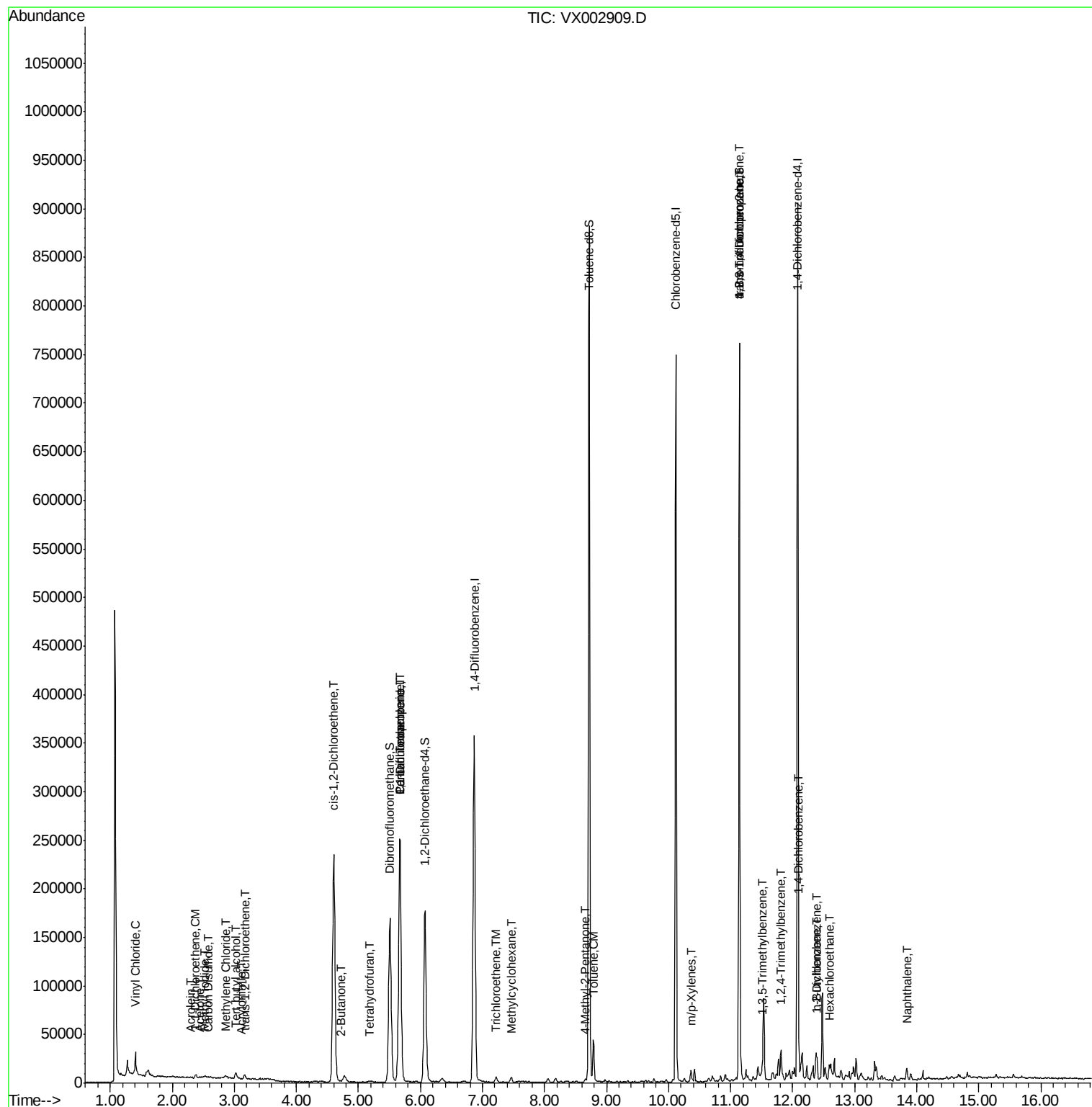
-----

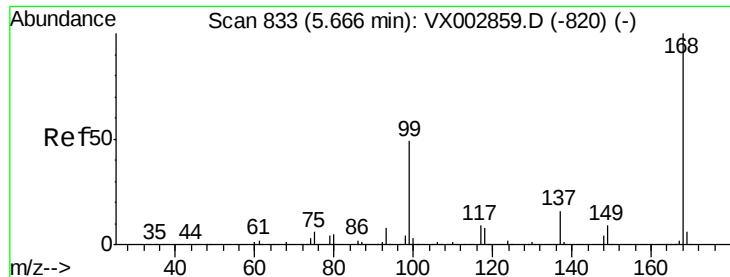
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062618\  
Data File : VX002909.D  
Acq On : 26 Jun 2018 22:24  
Operator : JC/MD  
Sample : J3707-03 50X  
Misc : 5.64g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jun 27 02:43:02 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# 834

Delta R.T. 0.01 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

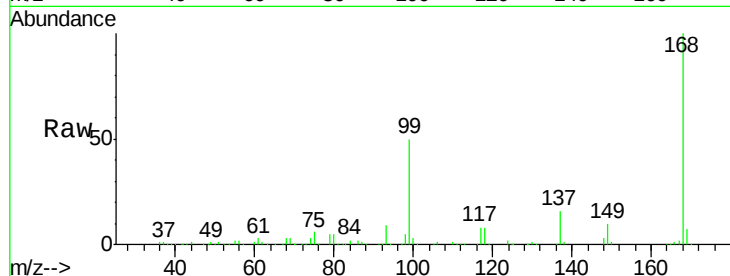
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:168 Resp: 253715

Ion Ratio Lower Upper

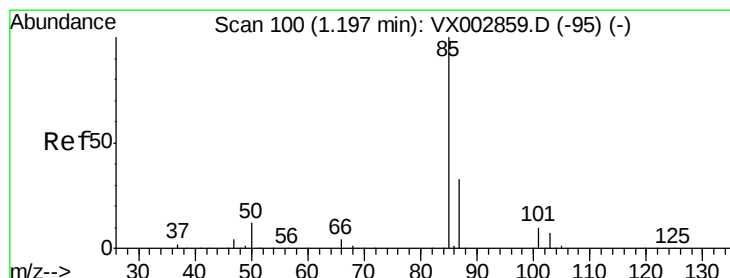
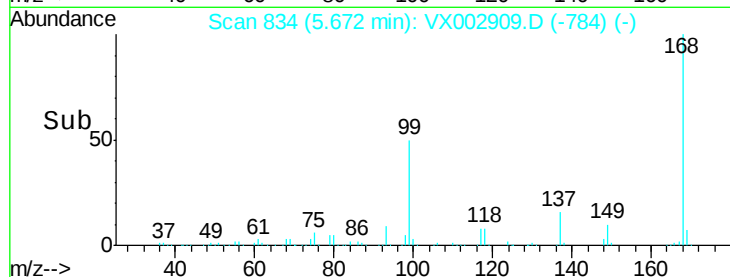
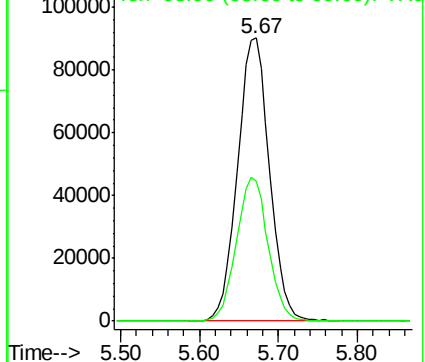
168 100

99 49.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX002909.D

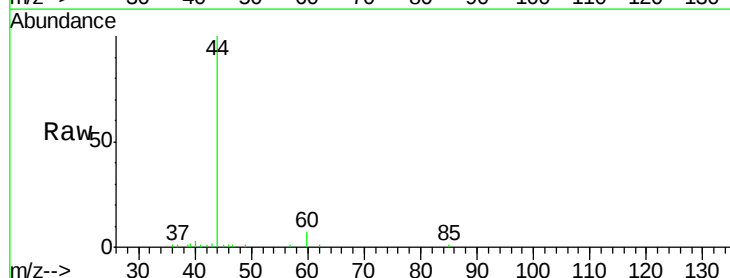
Acq: 26 Jun 2018 22:24

Tgt Ion: 85 Resp: 113

Ion Ratio Lower Upper

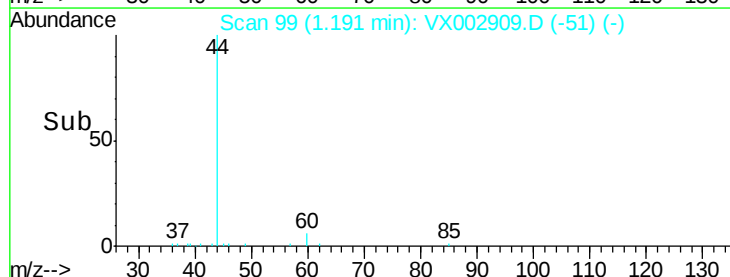
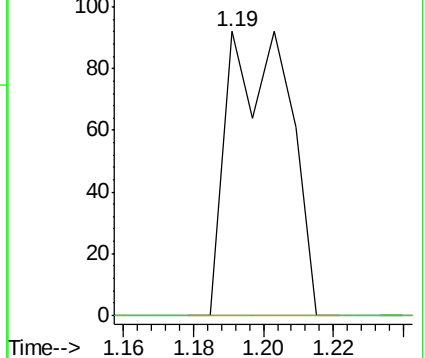
85 100

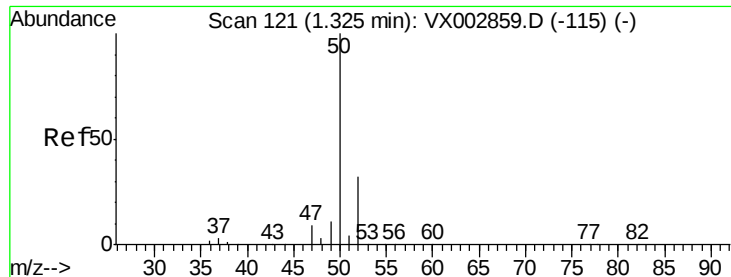
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA\_X

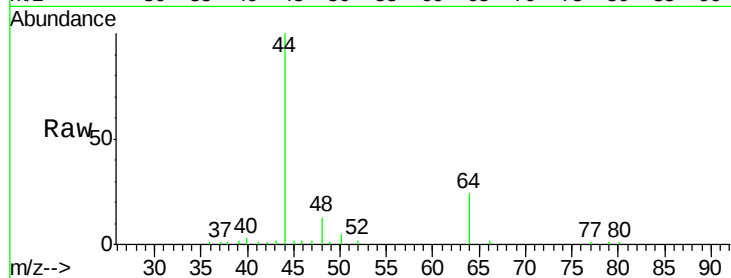
ClientSampled :

Tot Ion: 50 Resp: 460

Ion Ratio Lower Upper

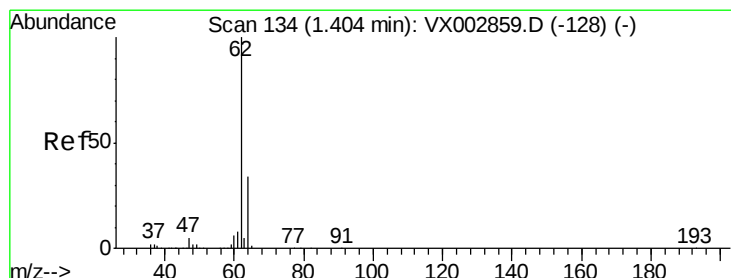
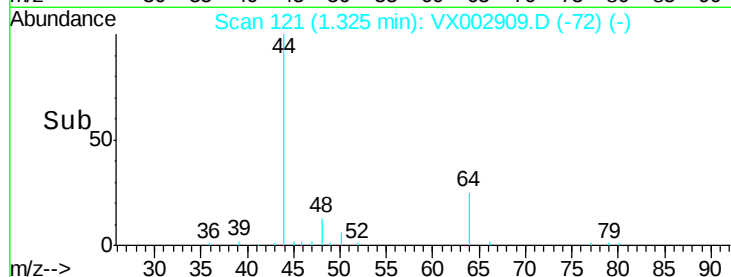
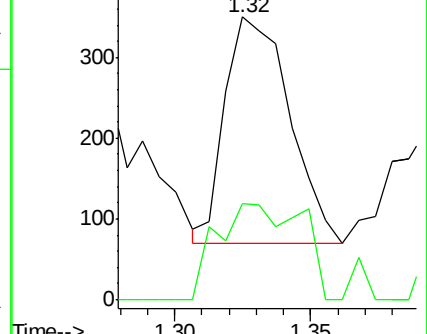
50 100

52 42.5 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.48 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002909.D

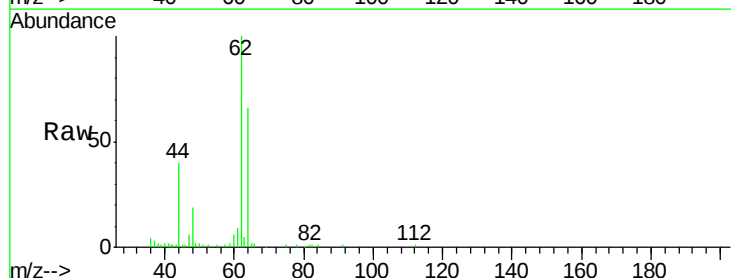
Acq: 26 Jun 2018 22:24

Tgt Ion: 62 Resp: 12856

Ion Ratio Lower Upper

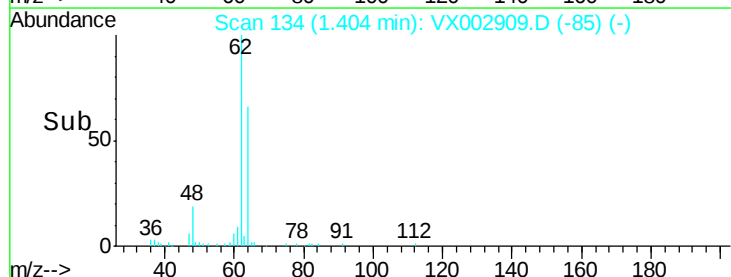
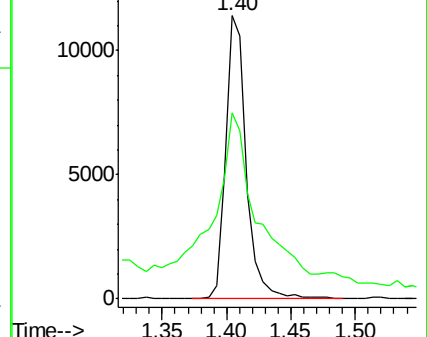
62 100

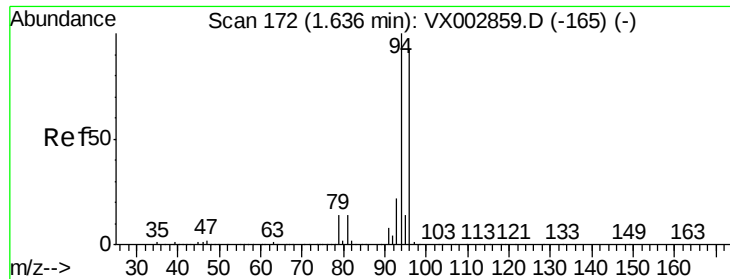
64 58.2 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA\_X

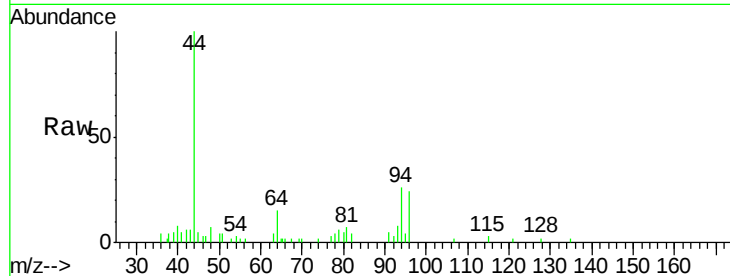
ClientSampled :

Tot Ion: 94 Resp: 1608

Ion Ratio Lower Upper

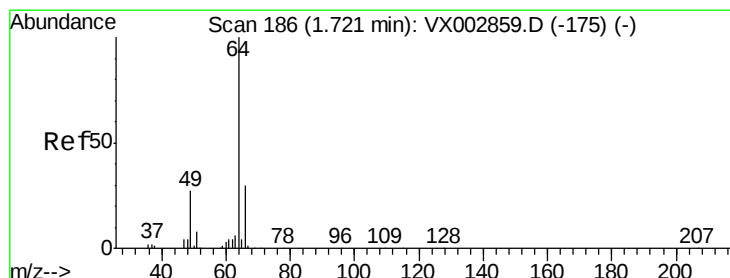
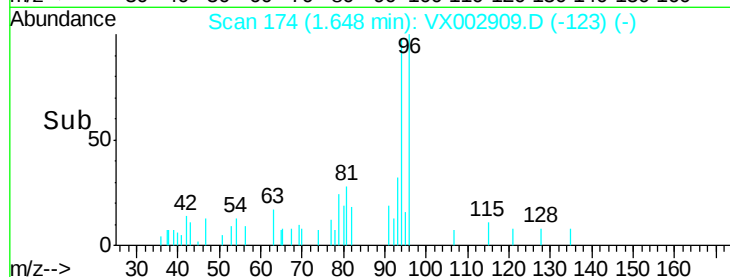
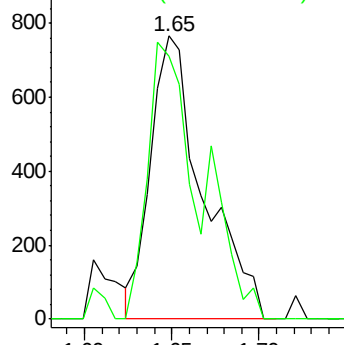
94 100

96 92.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002909.D

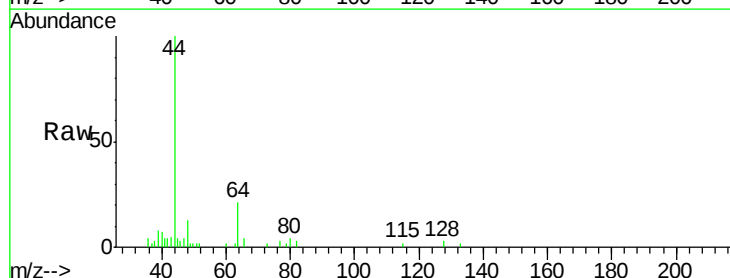
Acq: 26 Jun 2018 22:24

Tgt Ion: 64 Resp: 407

Ion Ratio Lower Upper

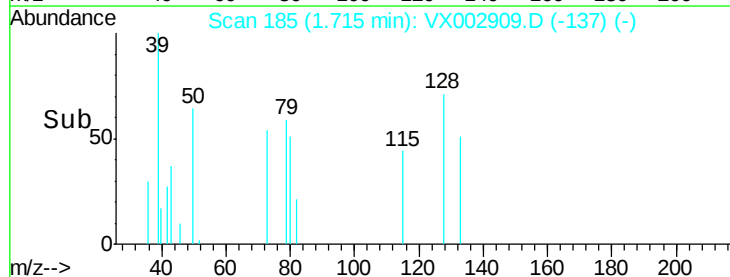
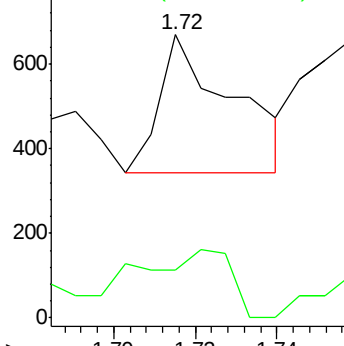
64 100

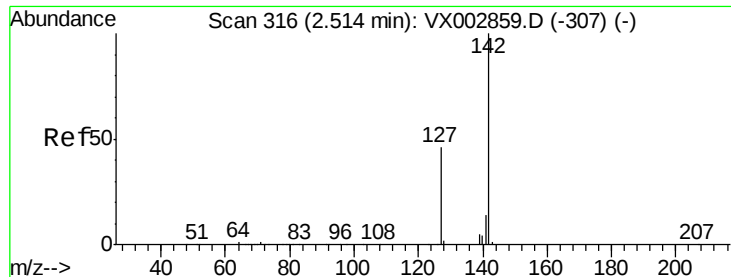
66 34.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

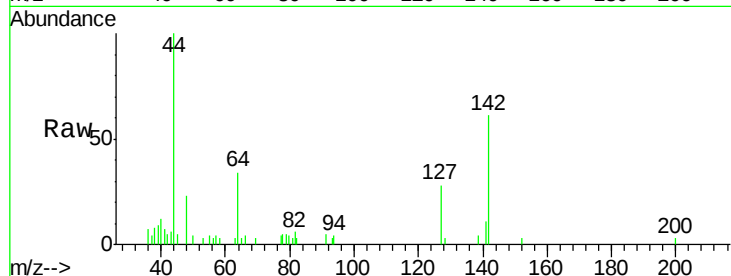




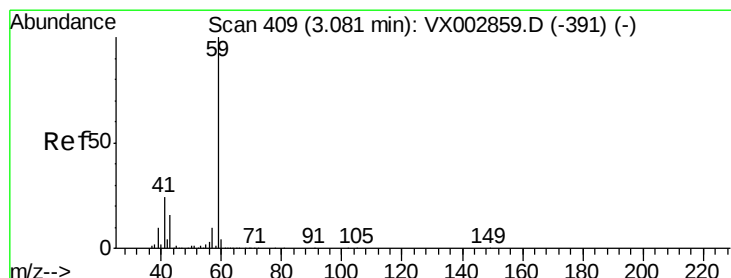
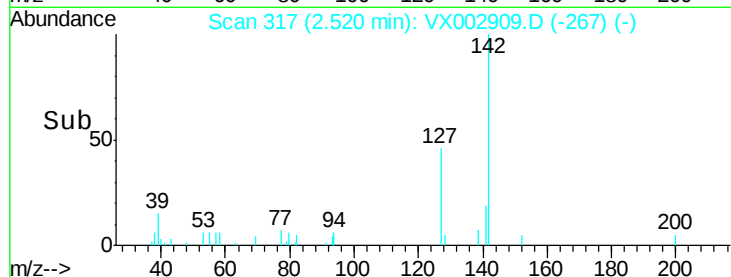
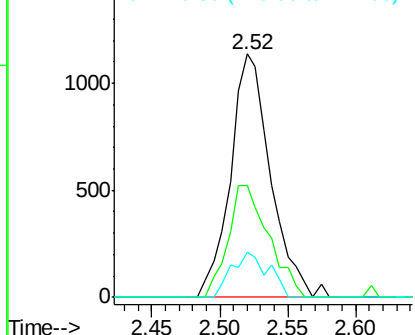
#10  
Methyl Iodide  
Concen: 6.95 ug/l  
RT: 2.52 min Scan# 317  
Delta R.T. 0.01 min  
Lab File: VX002909.D  
Acq: 26 Jun 2018 22:24

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:142 Resp: 2342  
Ion Ratio Lower Upper  
142 100  
127 46.3 36.6 55.0  
141 17.0 11.3 16.9#

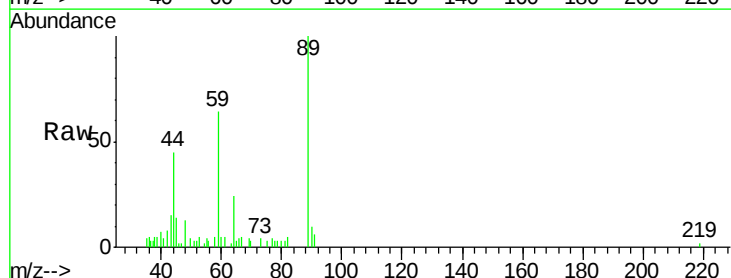


Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V

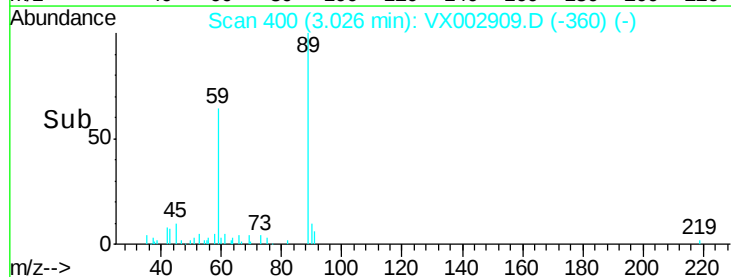
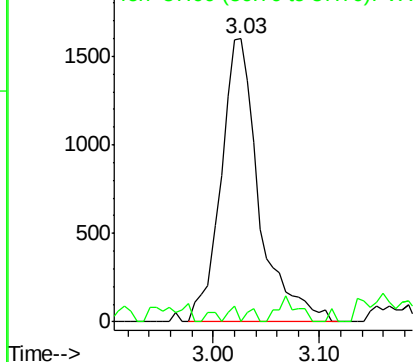


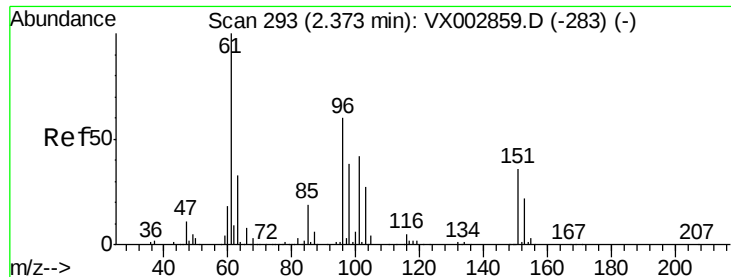
#11  
Tert butyl alcohol  
Concen: 5.73 ug/l  
RT: 3.03 min Scan# 400  
Delta R.T. -0.05 min  
Lab File: VX002909.D  
Acq: 26 Jun 2018 22:24

Tgt Ion: 59 Resp: 4003  
Ion Ratio Lower Upper  
59 100  
57 1.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0  
Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.36 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA\_X

ClientSampled :

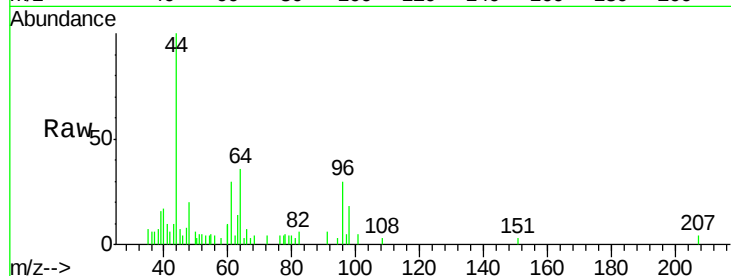
Tot Ion: 96 Resp: 913

Ion Ratio Lower Upper

96 100

61 102.4 137.9 206.9#

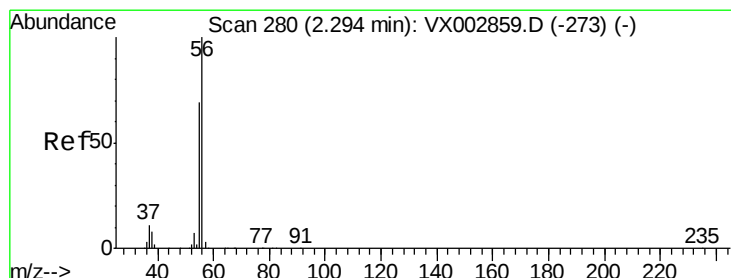
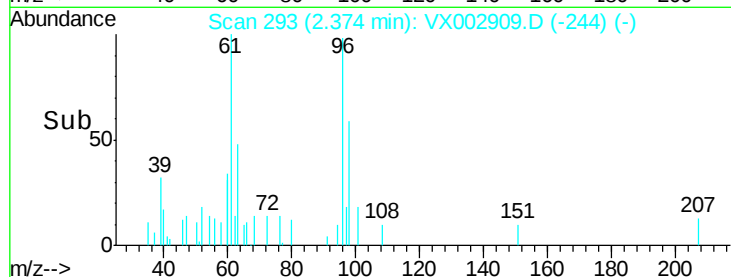
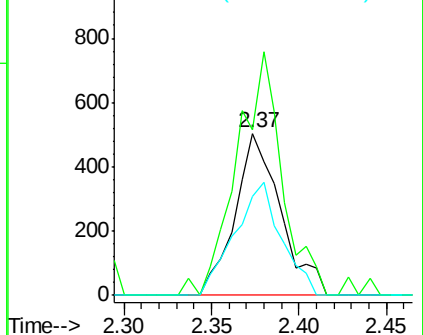
98 60.6 51.6 77.4



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



#13

Acrolein

Concen: 4.89 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002909.D

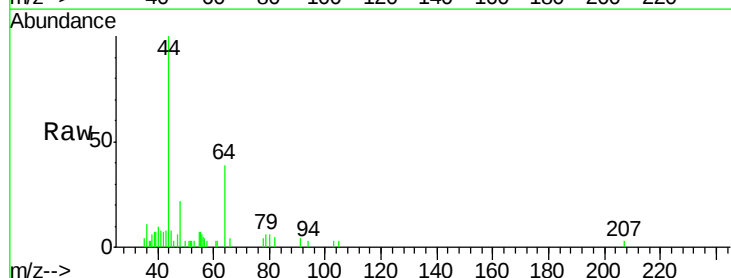
Acq: 26 Jun 2018 22:24

Tgt Ion: 56 Resp: 262

Ion Ratio Lower Upper

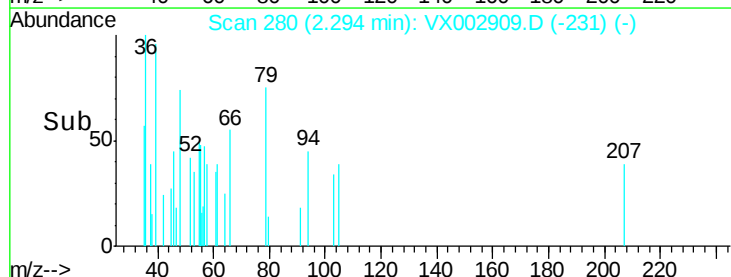
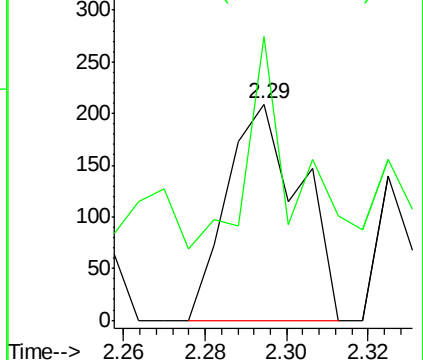
56 100

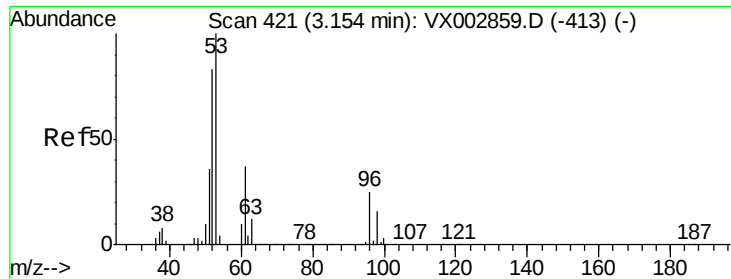
55 71.4 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.12 min Scan# 415

Delta R.T. -0.04 min

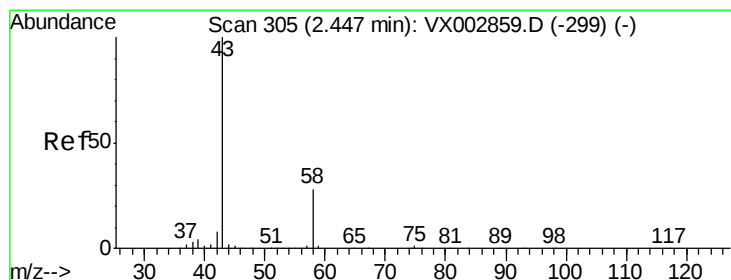
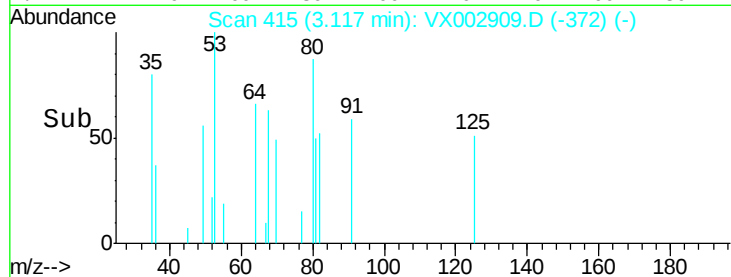
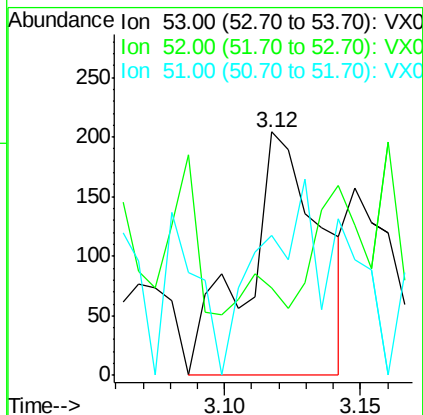
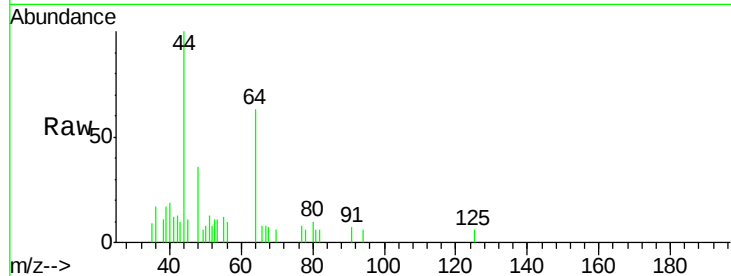
Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 53 Resp: 382

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 53  | 100   |       |        |
| 52  | 7.1   | 66.7  | 100.1# |
| 51  | 0.0   | 29.9  | 44.9#  |



#16

Acetone

Concen: 0.68 ug/l

RT: 2.45 min Scan# 305

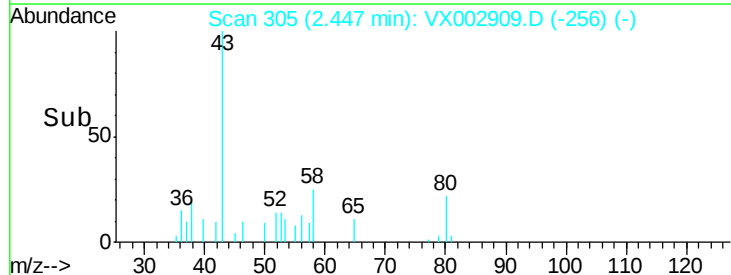
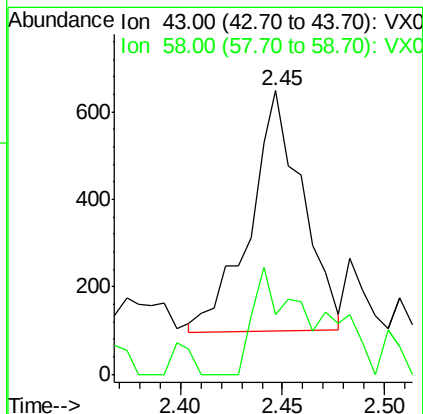
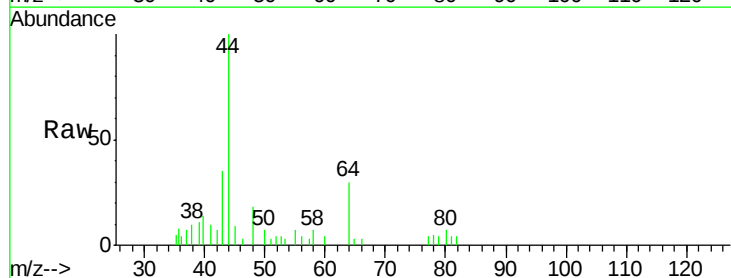
Delta R.T. 0.00 min

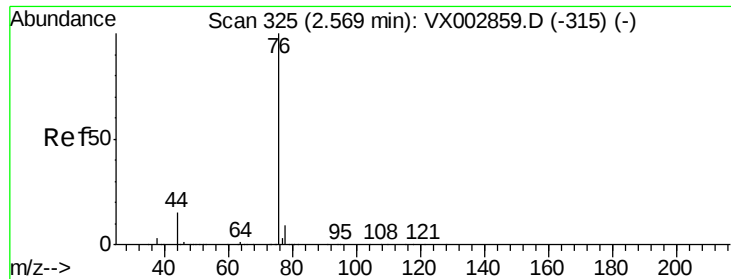
Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Tgt Ion: 43 Resp: 988

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 14.7  | 22.1  | 33.1# |





#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA\_X

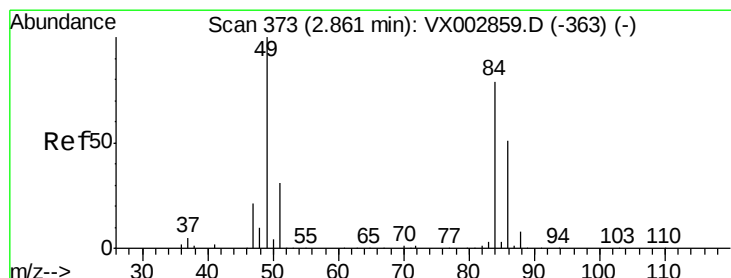
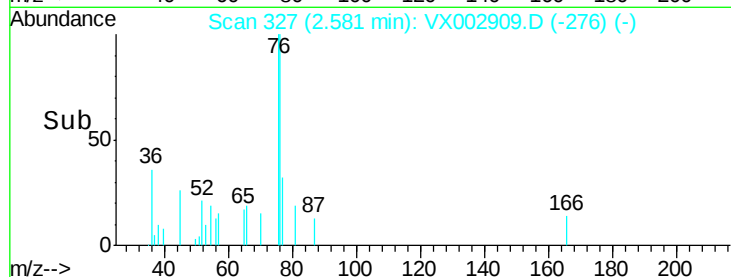
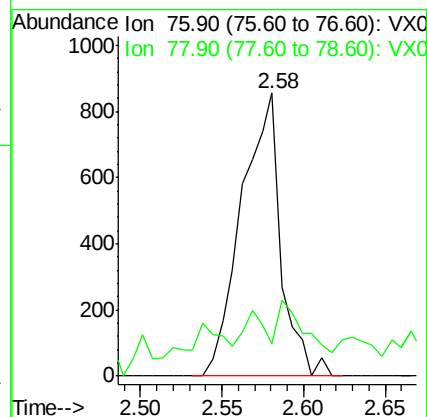
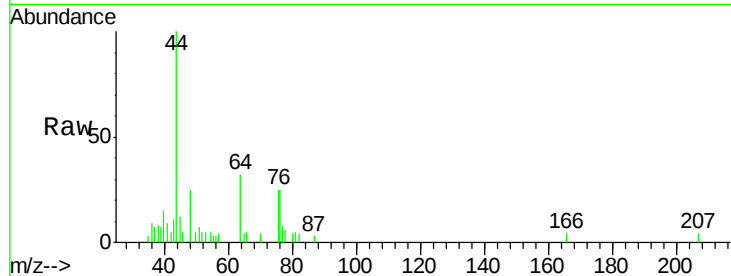
ClientSampleId :

Tot Ion: 76 Resp: 1446

Ion Ratio Lower Upper

76 100

78 2.0 6.9 10.3#



#20

Methylene Chloride

Concen: 0.34 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Tgt Ion: 84 Resp: 948

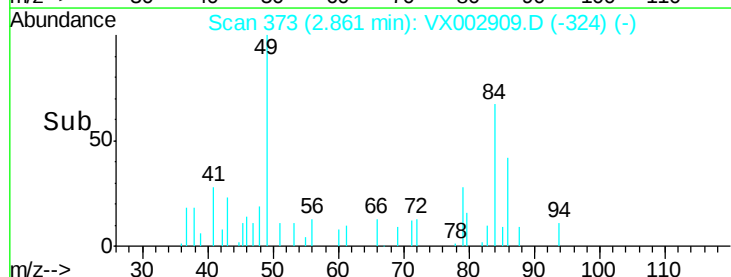
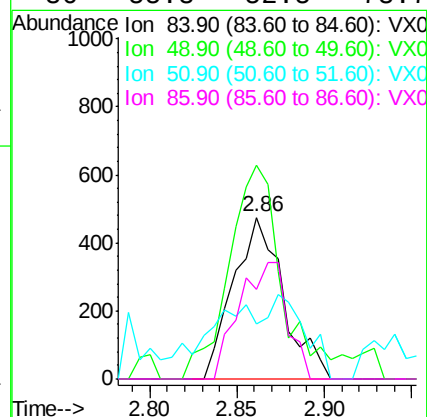
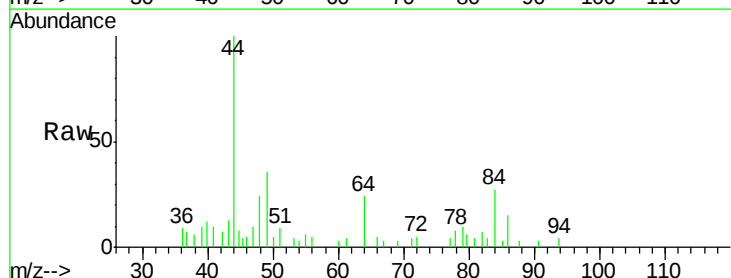
Ion Ratio Lower Upper

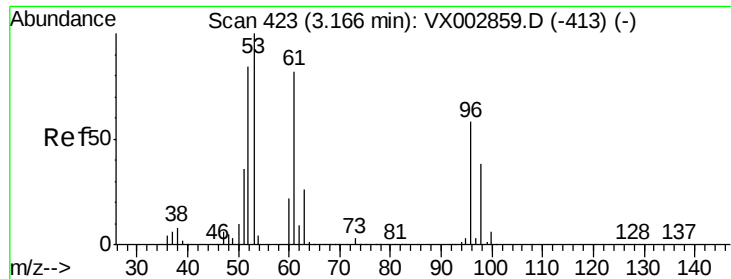
84 100

49 117.3 107.8 161.6

51 34.3 32.8 49.2

86 55.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 0.52 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :  
MSVOA\_X  
ClientSampleId :

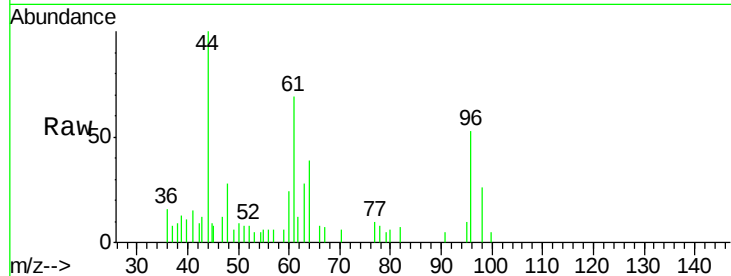
Tot Ion: 96 Resp: 1425

Ion Ratio Lower Upper

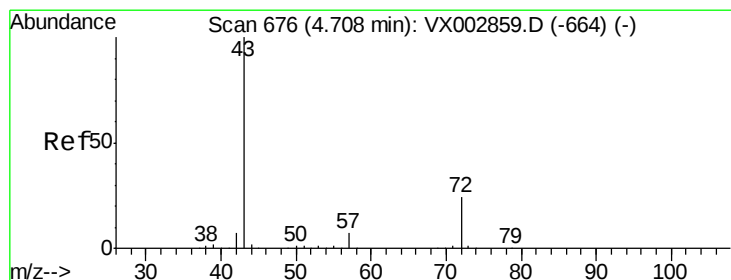
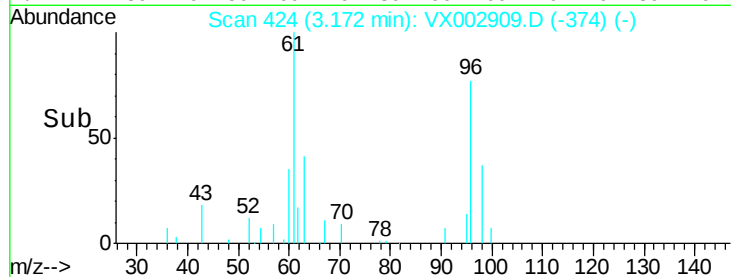
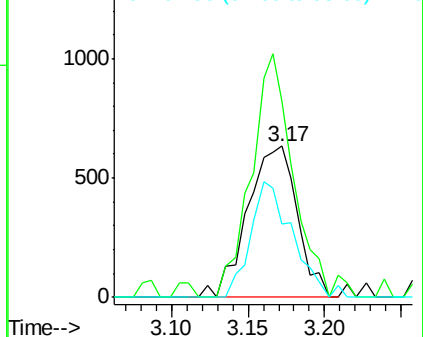
96 100

61 120.2 117.0 175.4

98 48.4 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



#25

2-Butanone

Concen: 0.27 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002909.D

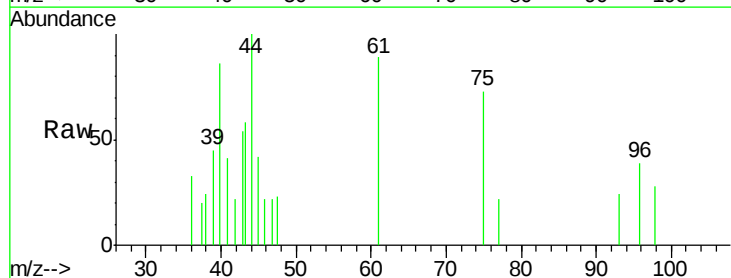
Acq: 26 Jun 2018 22:24

Tgt Ion: 43 Resp: 578

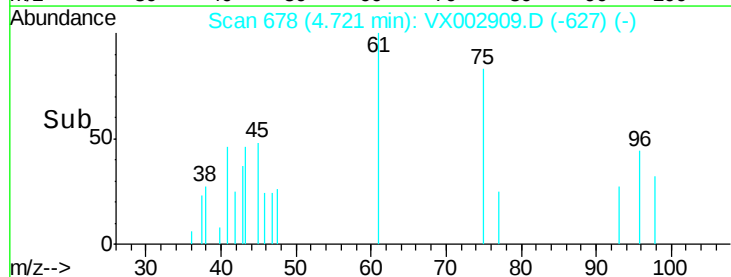
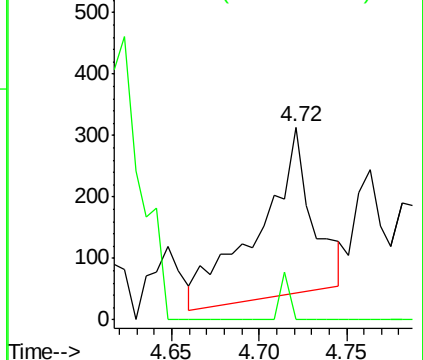
Ion Ratio Lower Upper

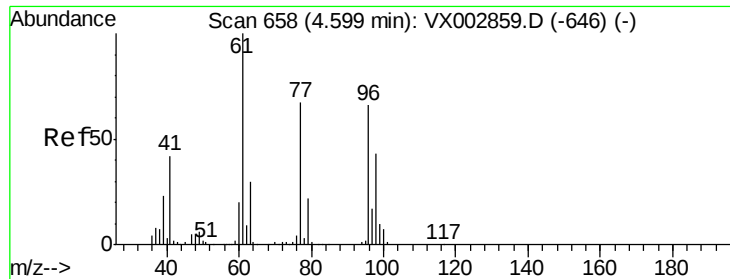
43 100

72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 72.00 (71.70 to 72.70): VX0



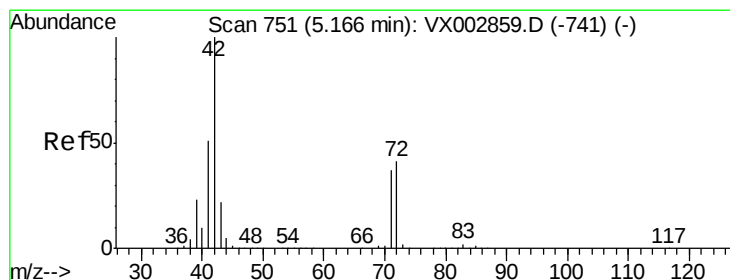
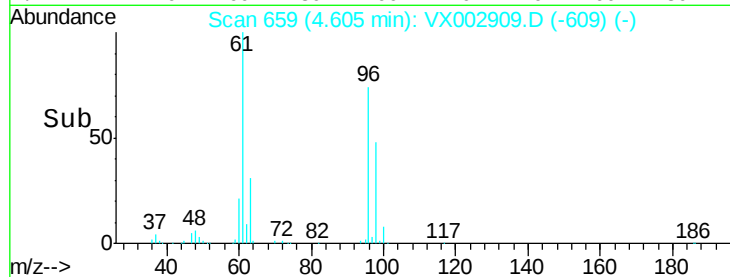
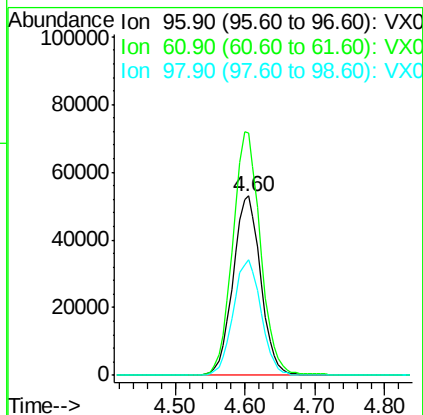
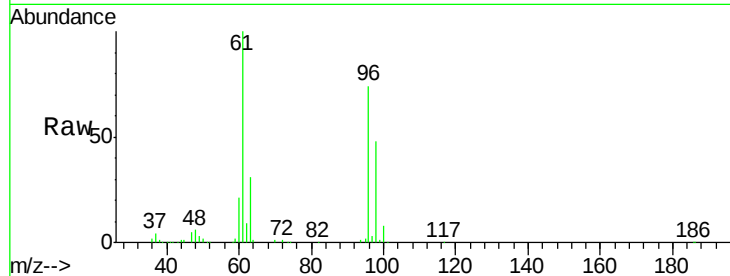


#27

cis-1,2-Dichloroethene  
 Concen: 47.66 ug/l  
 RT: 4.60 min Scan# 659  
 Delta R.T. 0.01 min  
 Lab File: VX002909.D  
 Acq: 26 Jun 2018 22:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :

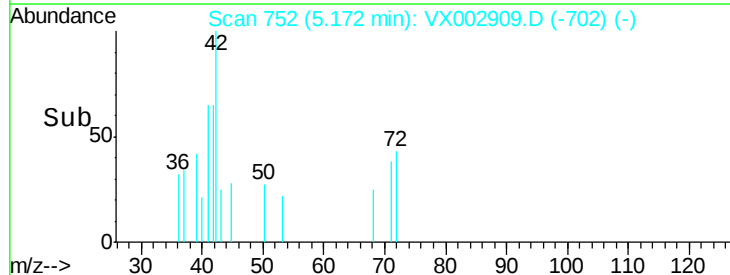
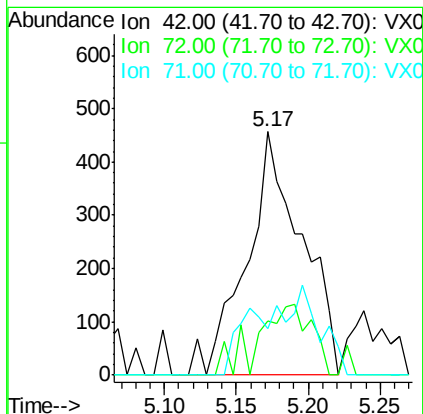
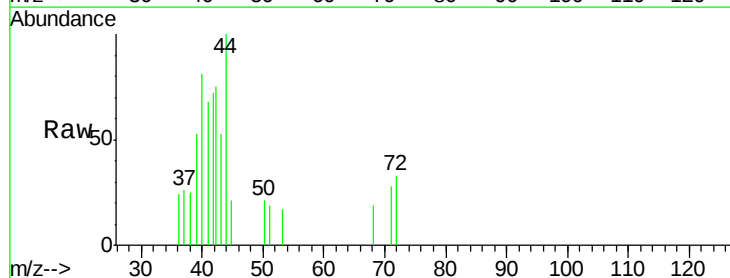
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 136.1 | 0.0   | 330.2 |
| 98      | 64.9  | 0.0   | 130.2 |

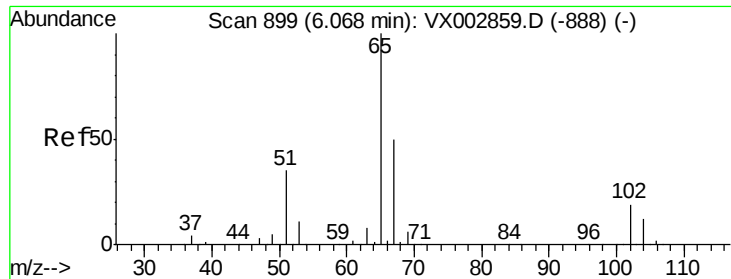


#29

Tetrahydrofuran  
 Concen: 0.88 ug/l  
 RT: 5.17 min Scan# 752  
 Delta R.T. 0.01 min  
 Lab File: VX002909.D  
 Acq: 26 Jun 2018 22:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 4.7   | 32.0  | 48.0# |
| 71      | 15.0  | 30.1  | 45.1# |

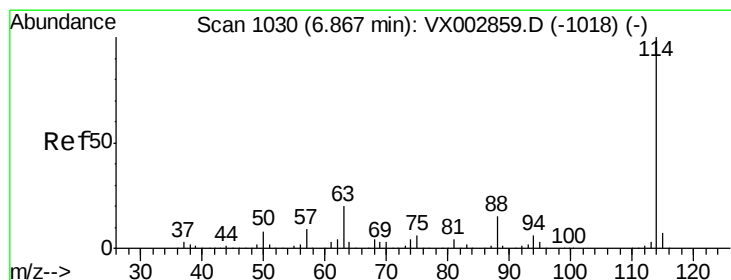
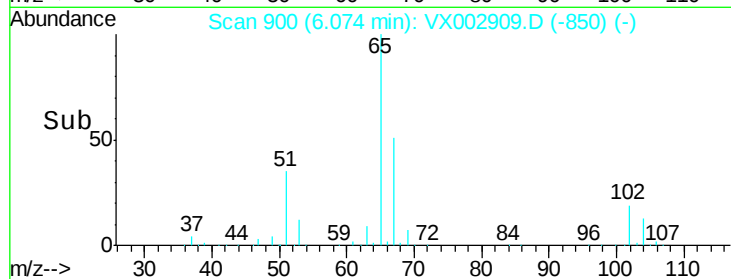
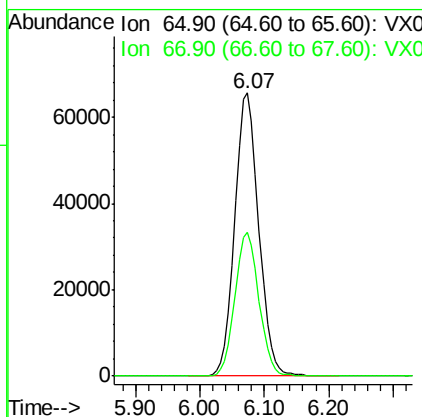
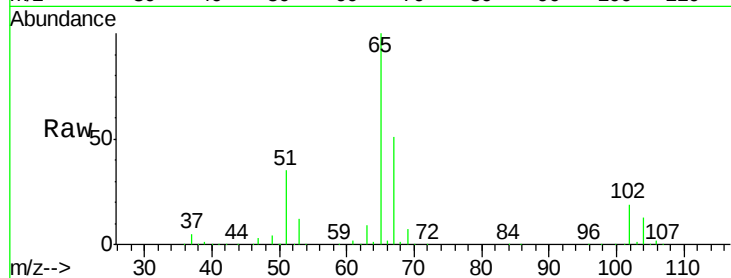




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.56 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.01 min  
 Lab File: VX002909.D  
 Acq: 26 Jun 2018 22:24

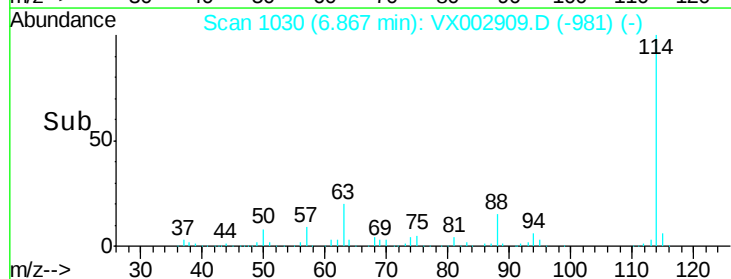
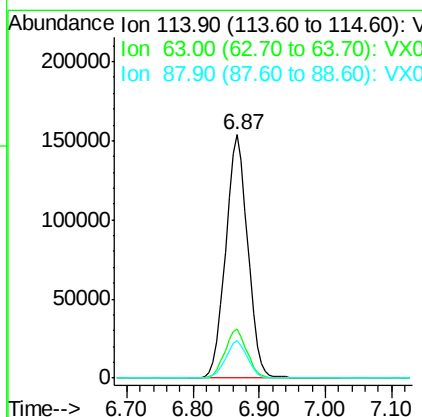
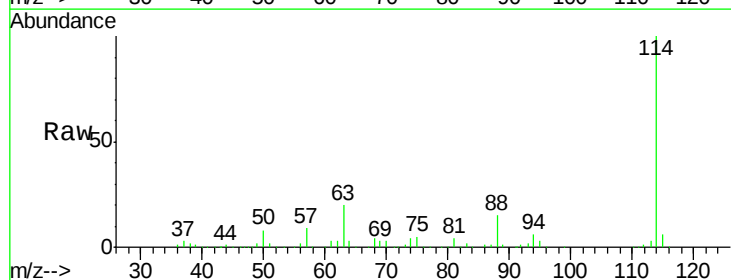
Instrument :  
 MSVOA\_X  
 ClientSampleId :

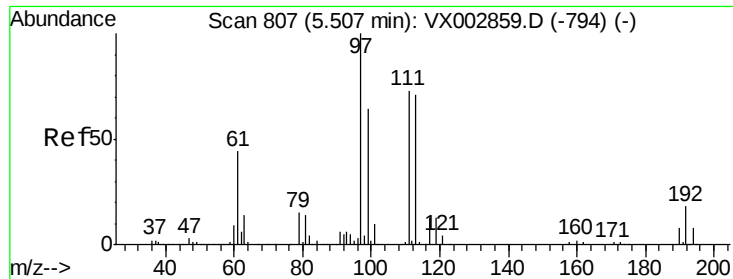
Tot Ion: 65 Resp: 170305  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX002909.D  
 Acq: 26 Jun 2018 22:24

Tgt Ion: 114 Resp: 354950  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 41.4  
 88 15.2 0.0 30.0

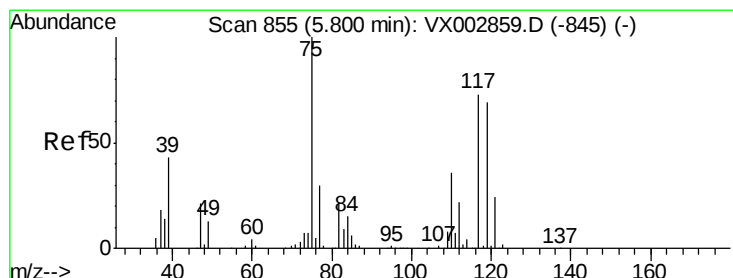
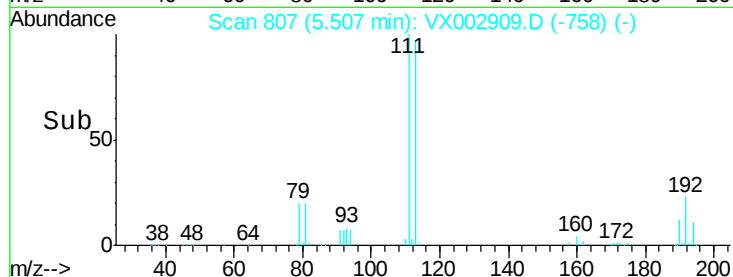
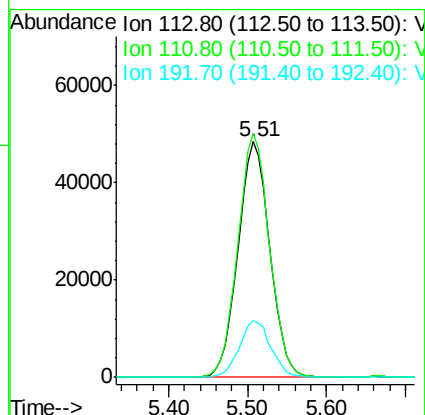
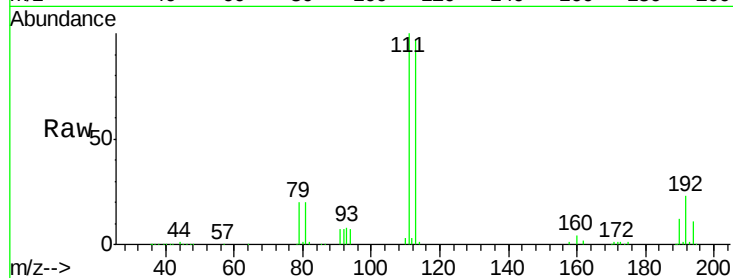




#35  
Dibromofluoromethane  
Concen: 48.31 ug/l  
RT: 5.51 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: VX002909.D  
Acq: 26 Jun 2018 22:24

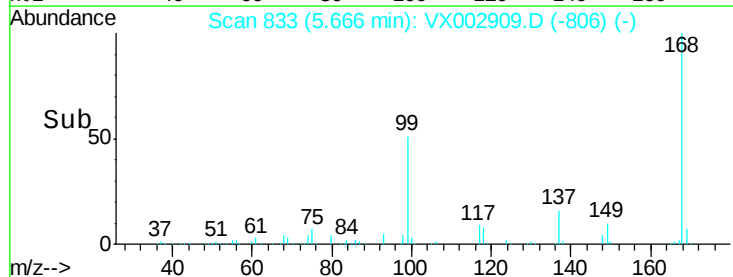
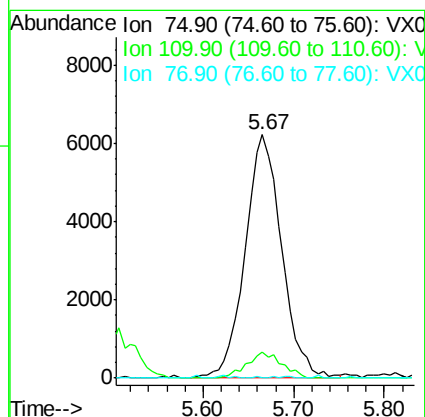
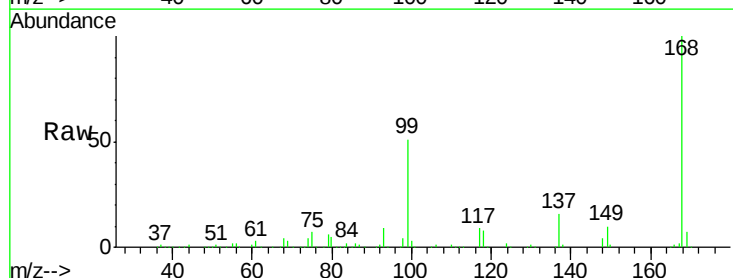
Instrument :  
MSVOA\_X  
ClientSampleId :

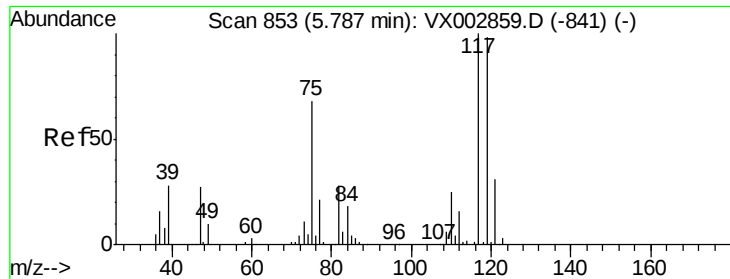
Tot Ion:113 Resp: 135791  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.4 122.0  
192 23.9 19.1 28.7



#36  
1,1-Dichloropropene  
Concen: 4.47 ug/l  
RT: 5.67 min Scan# 833  
Delta R.T. -0.13 min  
Lab File: VX002909.D  
Acq: 26 Jun 2018 22:24

Tgt Ion: 75 Resp: 17401  
Ion Ratio Lower Upper  
75 100  
110 10.1 18.1 54.4#  
77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.37 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA\_X

ClientSampleId :

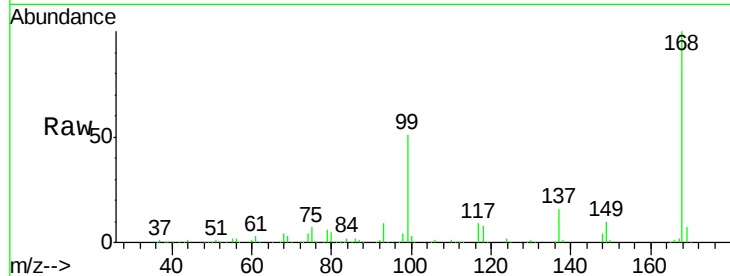
Tot Ion:117 Resp: 22934

Ion Ratio Lower Upper

117 100

119 4.3 77.4 116.0#

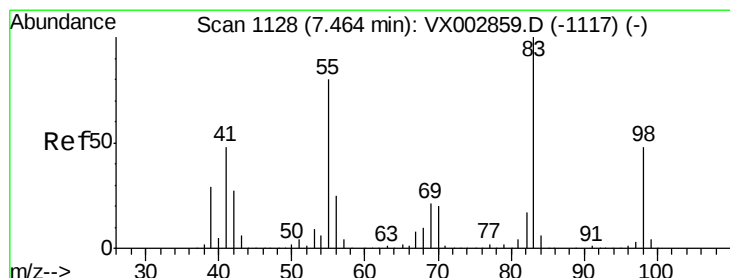
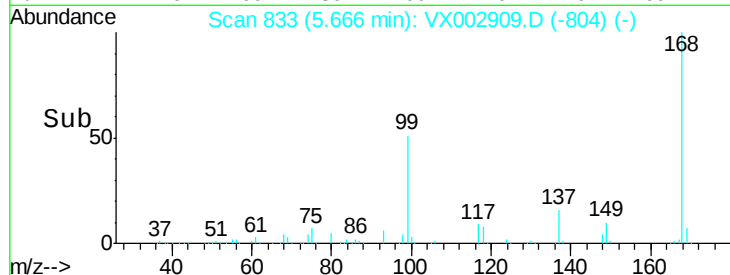
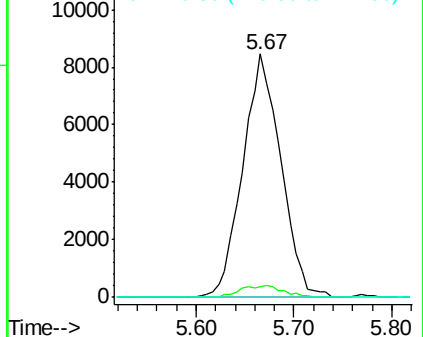
121 0.0 24.4 36.6#



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



#39

Methylcyclohexane

Concen: 0.43 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

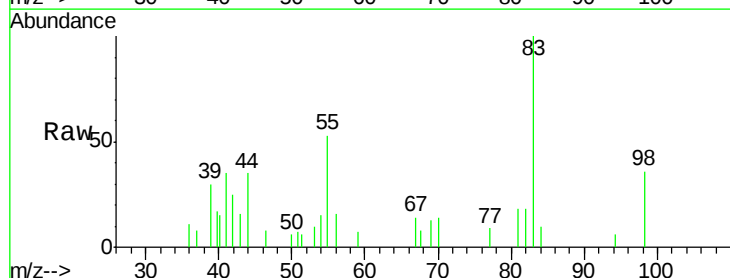
Tgt Ion: 83 Resp: 1952

Ion Ratio Lower Upper

83 100

55 53.4 65.4 98.0#

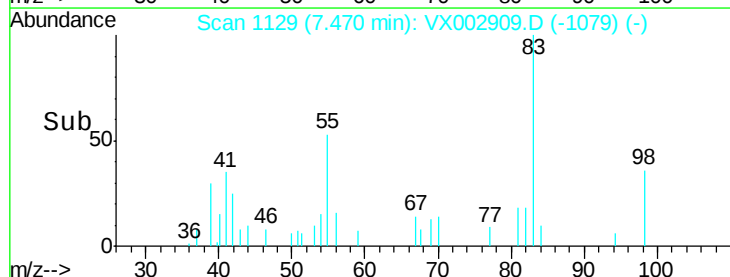
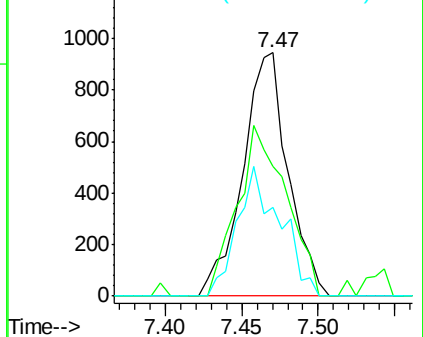
98 36.4 37.4 56.0#

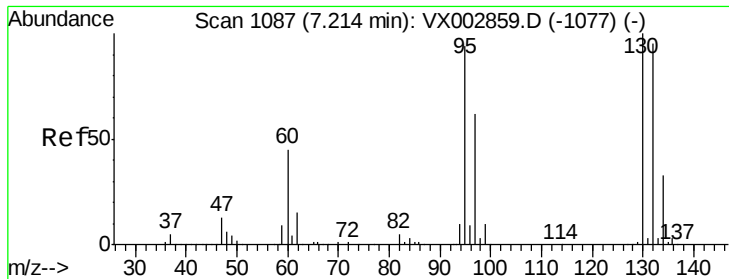


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

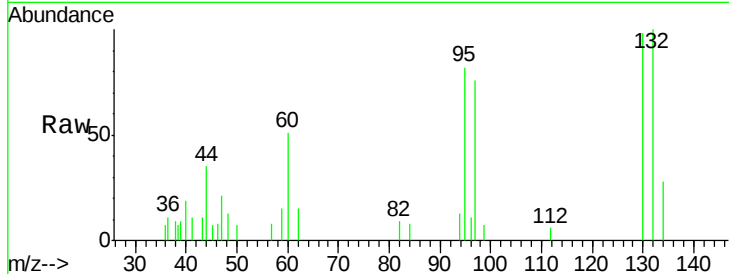




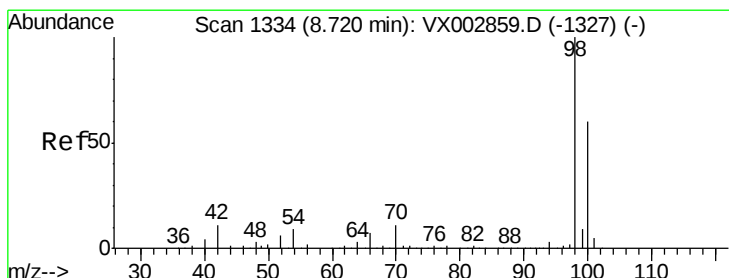
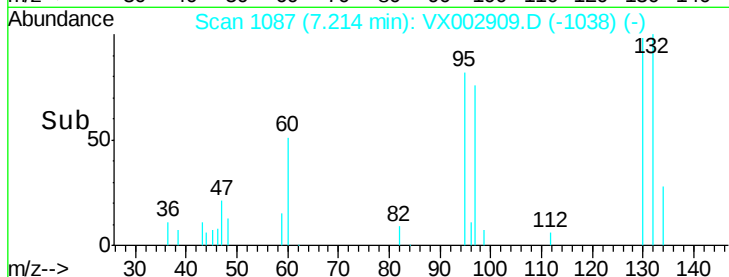
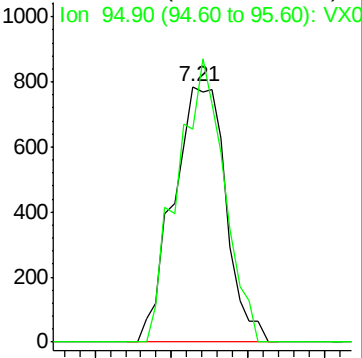
#44  
 Trichloroethene  
 Concen: 0.56 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. 0.00 min  
 Lab File: VX002909.D  
 Acq: 26 Jun 2018 22:24

Instrument :  
 MSVOA\_X  
 ClientSampled :

Tot Ion:130 Resp: 1877  
 Ion Ratio Lower Upper  
 130 100  
 95 83.6 0.0 185.4

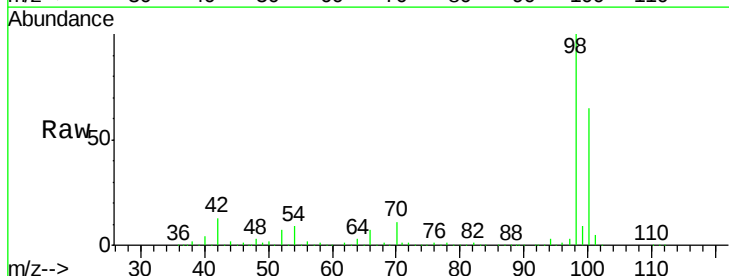


Abundance Ion 129.80 (129.50 to 130.50): V

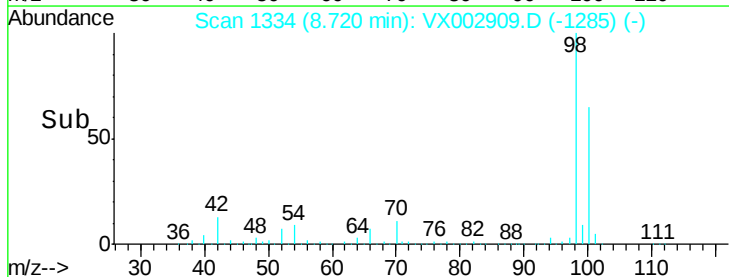
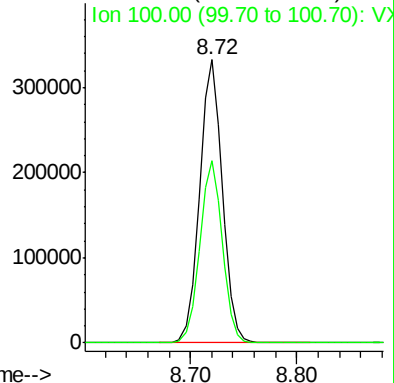


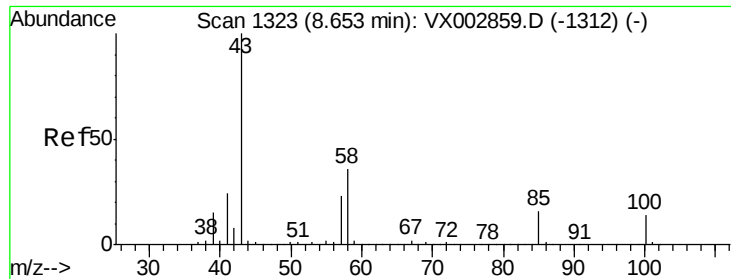
#50  
 Toluene-d8  
 Concen: 48.50 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: VX002909.D  
 Acq: 26 Jun 2018 22:24

Tgt Ion: 98 Resp: 497856  
 Ion Ratio Lower Upper  
 98 100  
 100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

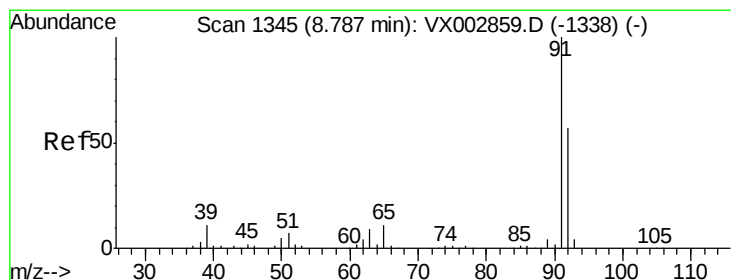
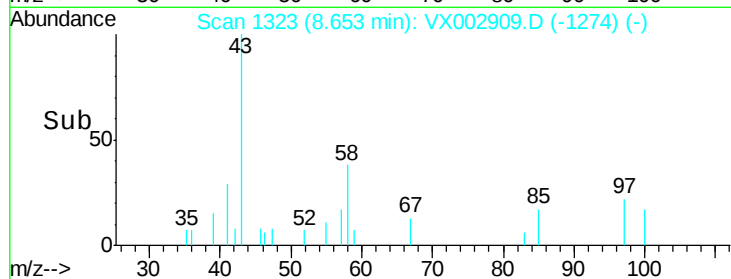
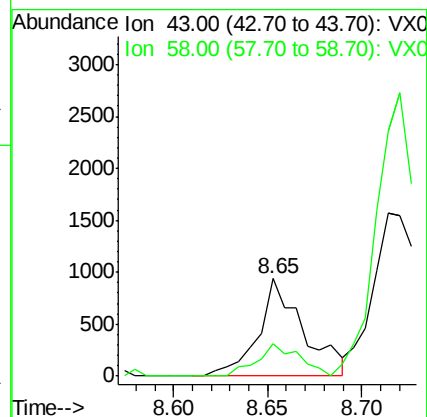
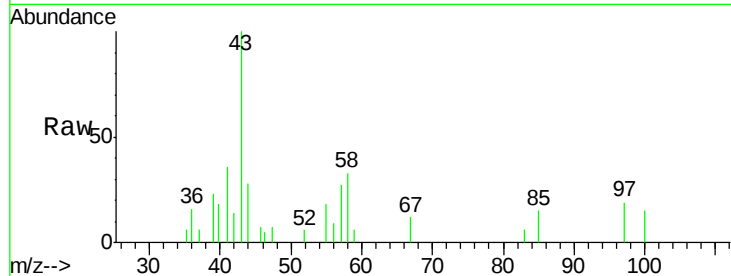




#51  
4-Methyl-2-Pentanone  
Concen: 0.35 ug/l  
RT: 8.65 min Scan# 1323  
Delta R.T. 0.00 min  
Lab File: VX002909.D  
Acq: 26 Jun 2018 22:24

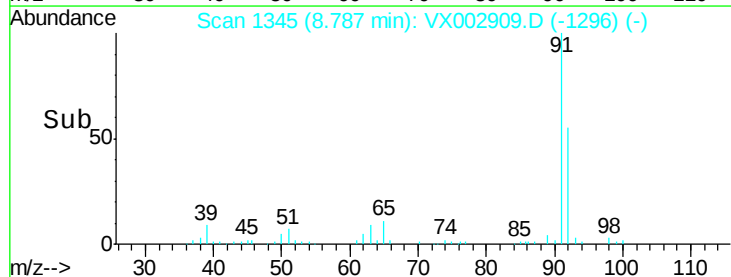
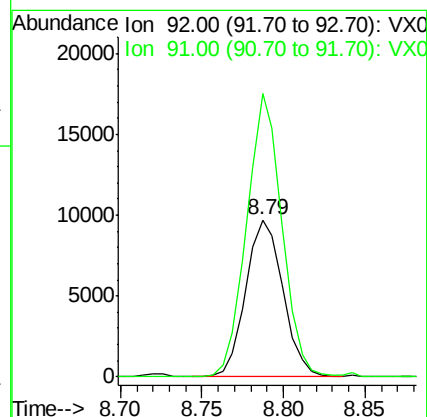
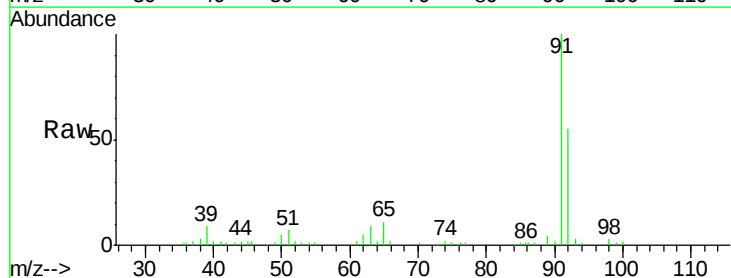
Instrument :  
MSVOA\_X  
ClientSampled :

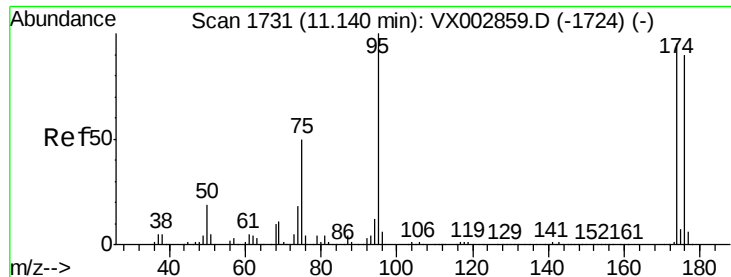
Tot Ion: 43 Resp: 1550  
Ion Ratio Lower Upper  
43 100  
58 31.2 28.6 42.8



#52  
Toluene  
Concen: 2.14 ug/l  
RT: 8.79 min Scan# 1345  
Delta R.T. 0.00 min  
Lab File: VX002909.D  
Acq: 26 Jun 2018 22:24

Tgt Ion: 92 Resp: 15484  
Ion Ratio Lower Upper  
92 100  
91 171.3 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 44.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA\_X

ClientSampled :

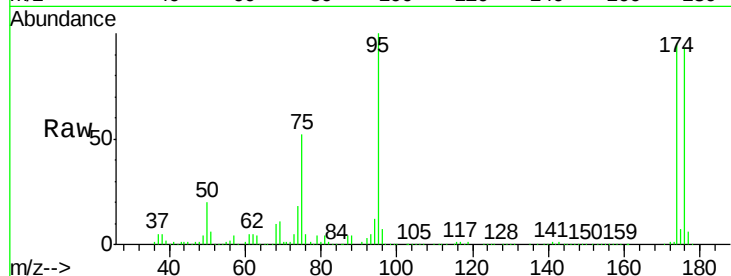
Tot Ion: 95 Resp: 175459

Ion Ratio Lower Upper

95 100

174 96.5 0.0 187.4

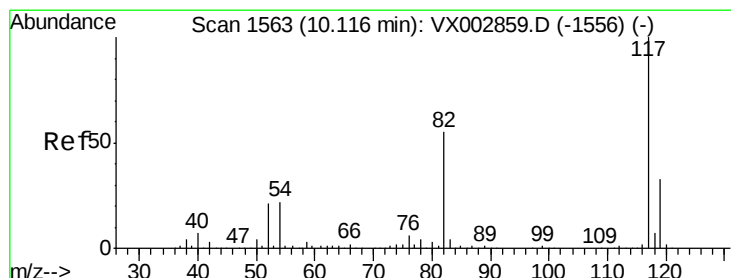
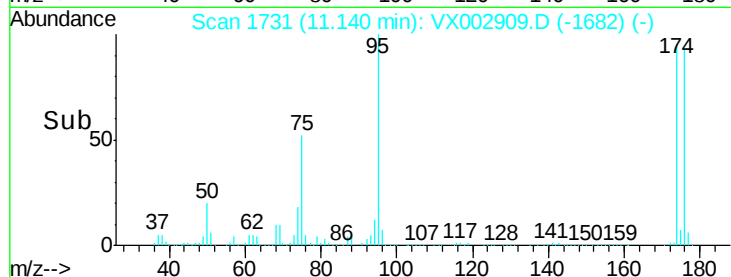
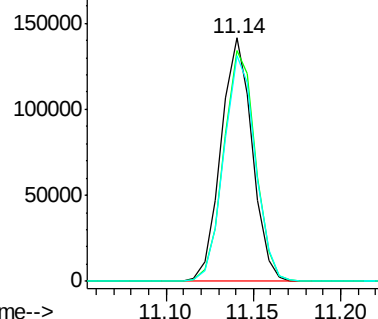
176 93.9 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002909.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002909.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002909.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

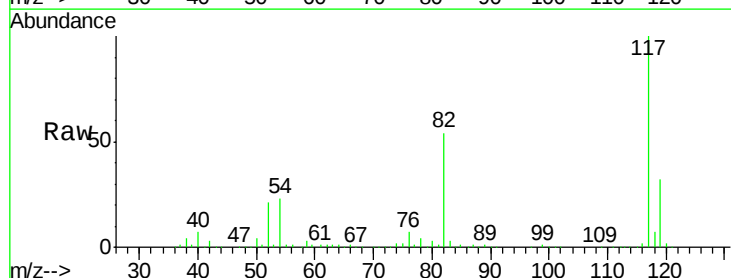
Tgt Ion: 117 Resp: 327103

Ion Ratio Lower Upper

117 100

82 53.8 45.0 67.4

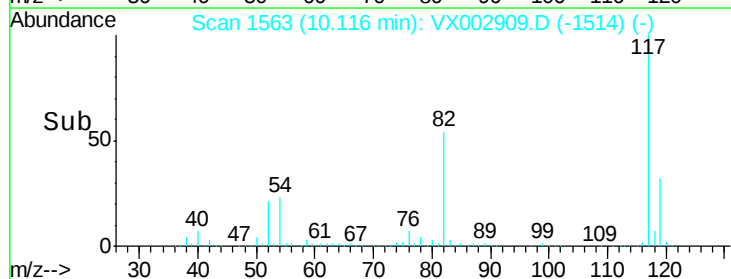
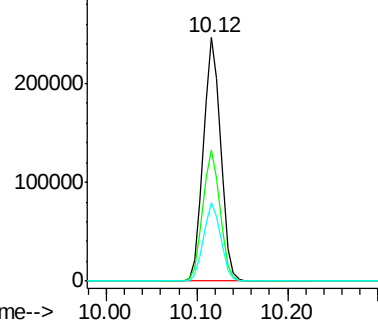
119 32.3 25.8 38.6

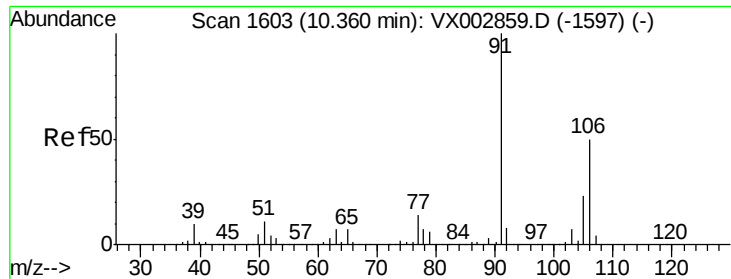


Abundance Ion 116.90 (116.60 to 117.60): VX002909.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002909.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002909.D (-1514) (-)

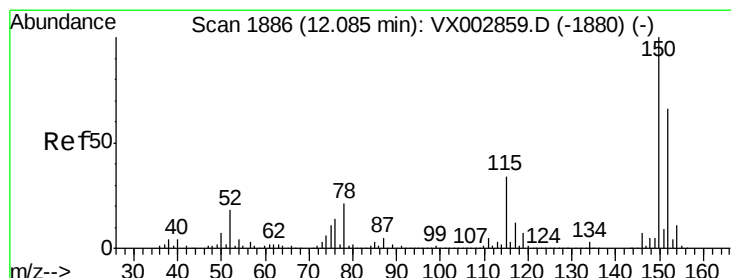
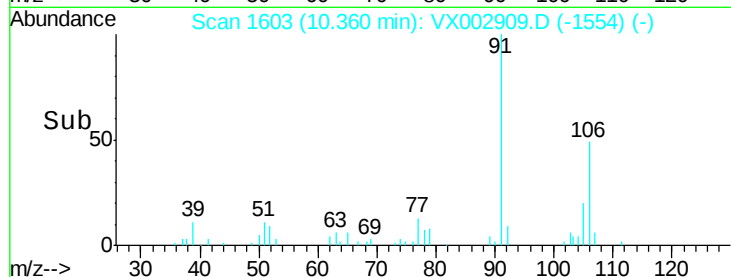
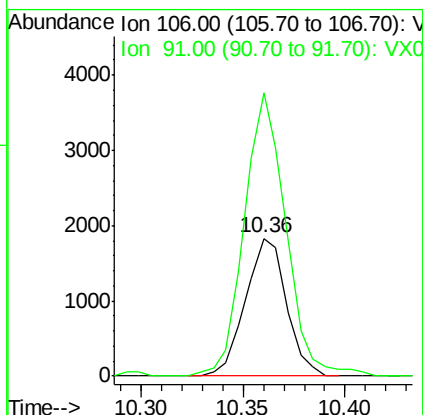
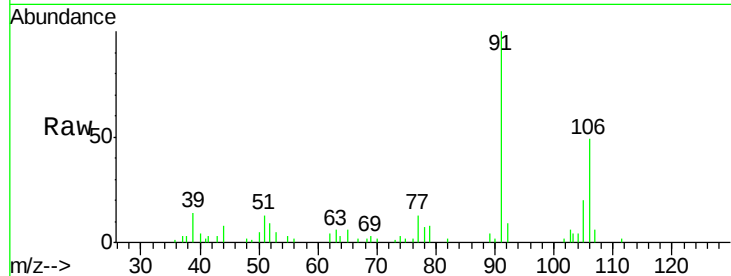




#68  
m/p-Xvlenes  
Concen: 0.48 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VX002909.D  
Acq: 26 Jun 2018 22:24

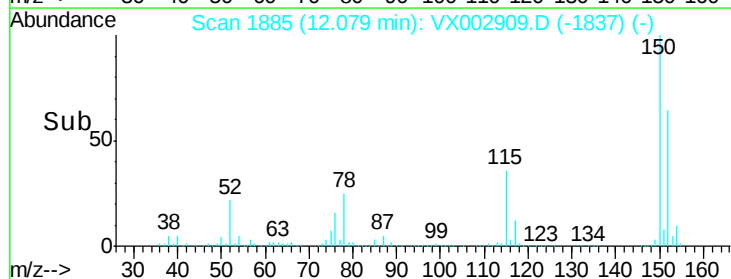
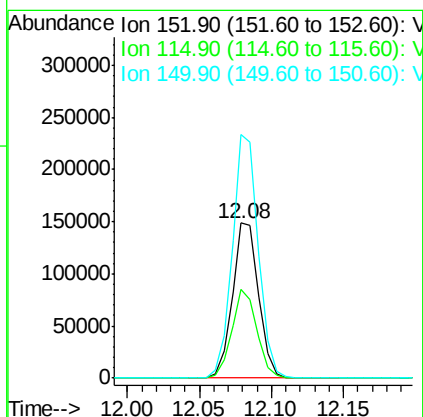
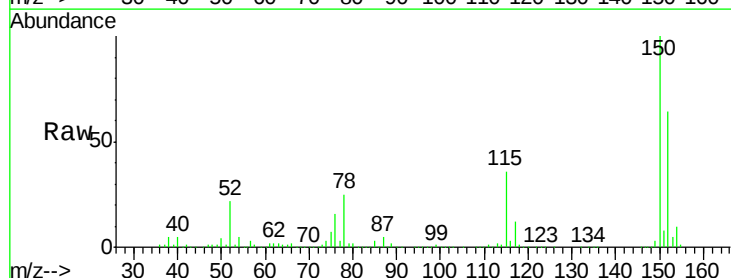
Instrument :  
MSVOA\_X  
ClientSampleId :

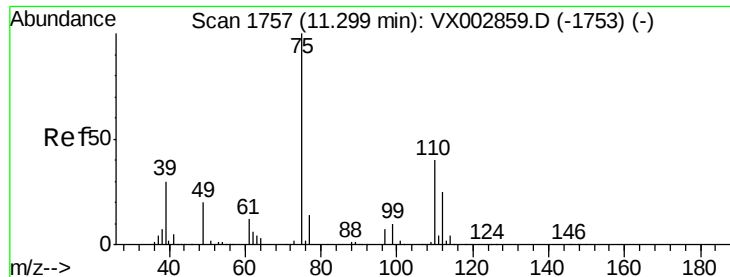
Tot Ion:106 Resp: 2551  
Ion Ratio Lower Upper  
106 100  
91 209.2 163.4 245.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. -0.01 min  
Lab File: VX002909.D  
Acq: 26 Jun 2018 22:24

Tgt Ion:152 Resp: 188655  
Ion Ratio Lower Upper  
152 100  
115 54.6 40.1 120.2  
150 155.9 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 27.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA\_X

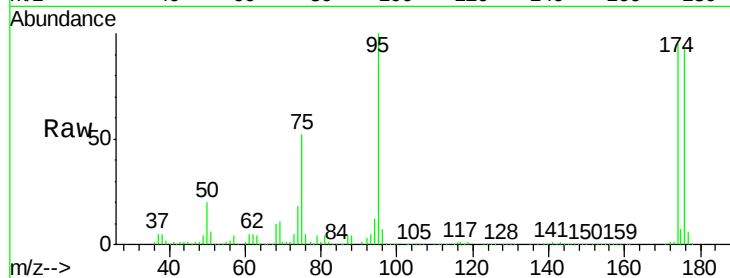
ClientSampleId :

Tot Ion: 75 Resp: 93053

Ion Ratio Lower Upper

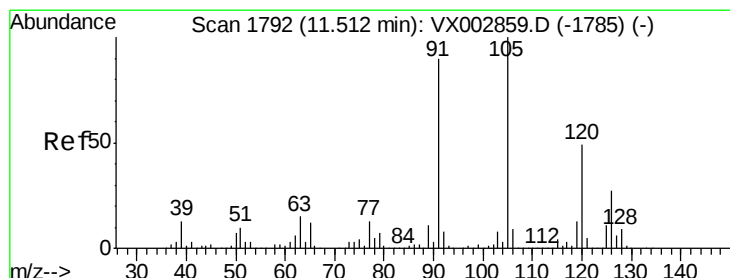
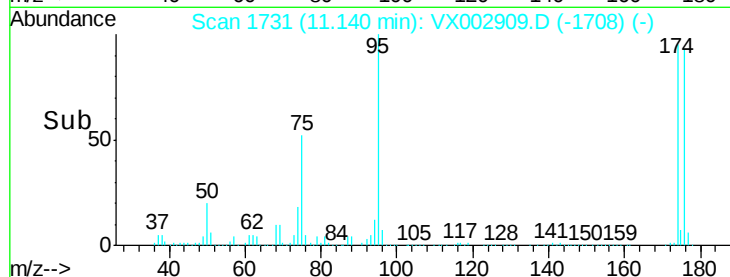
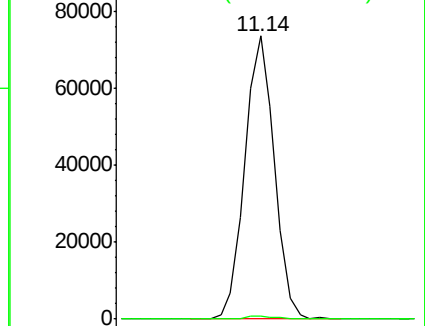
75 100

77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.46 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002909.D

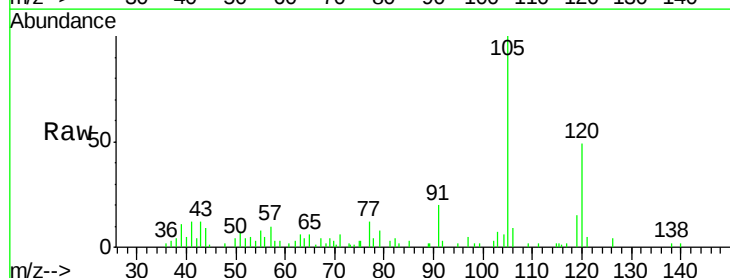
Acq: 26 Jun 2018 22:24

Tgt Ion: 105 Resp: 4949

Ion Ratio Lower Upper

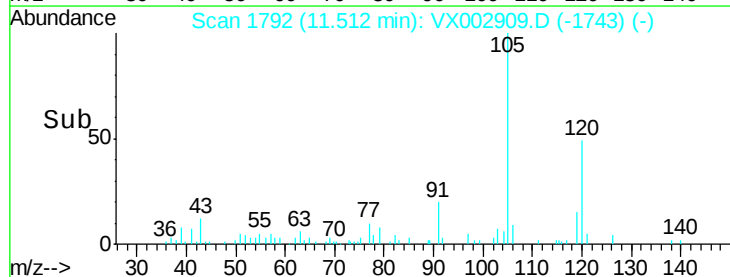
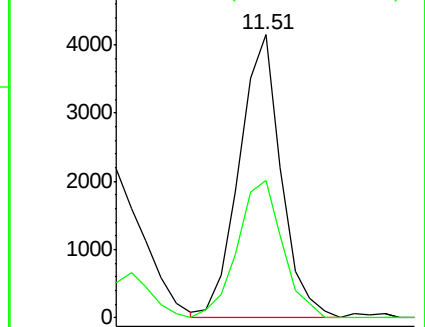
105 100

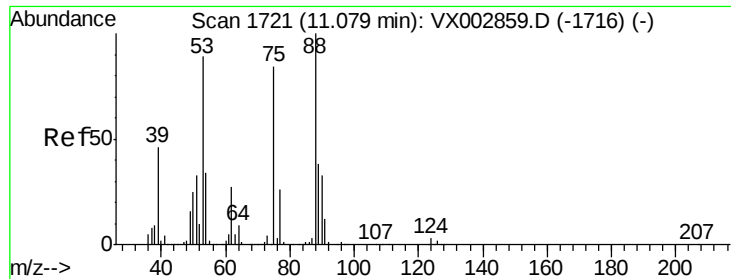
120 52.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 77.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA\_X

ClientSampleId :

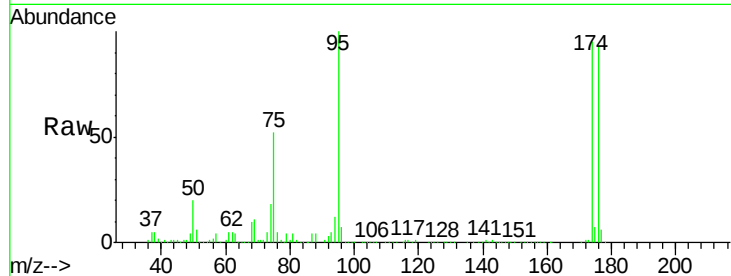
Tot Ion: 75 Resp: 93053

Ion Ratio Lower Upper

75 100

53 0.6 86.8 130.2#

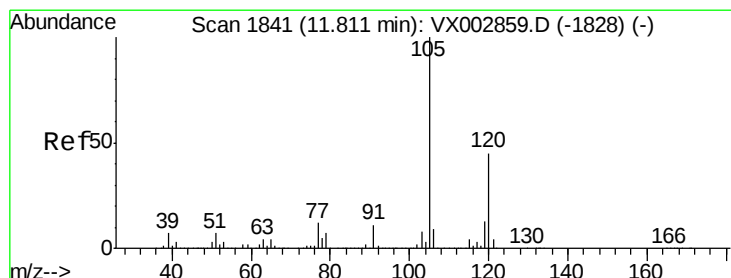
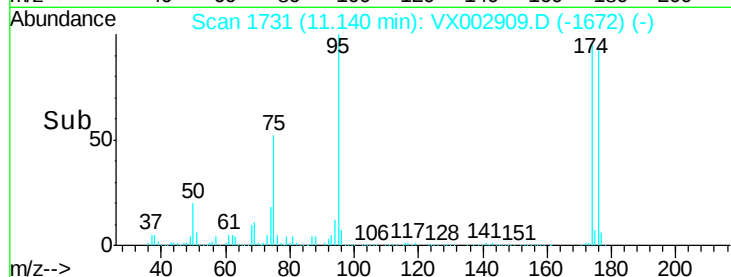
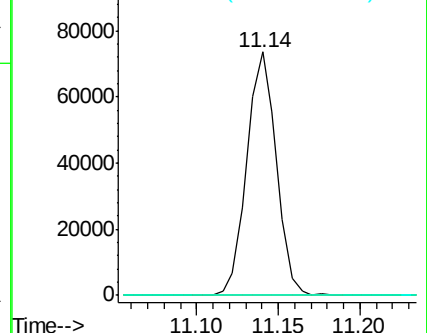
89 0.0 38.2 57.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.03 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002909.D

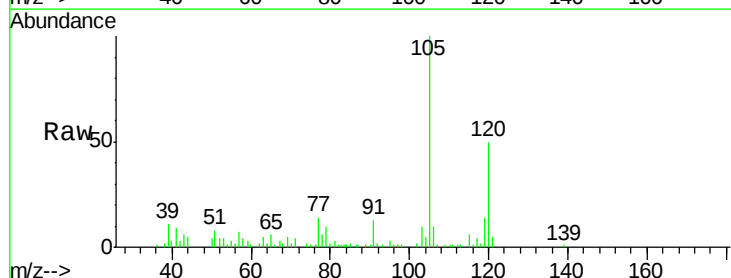
Acq: 26 Jun 2018 22:24

Tgt Ion: 105 Resp: 11359

Ion Ratio Lower Upper

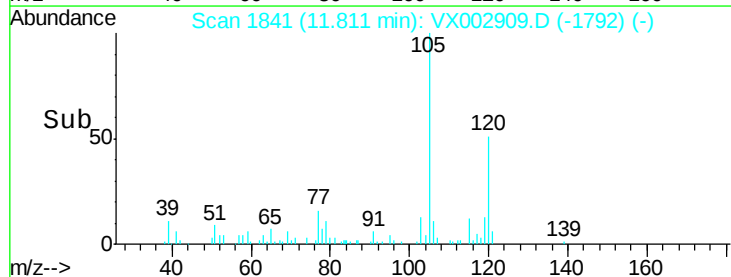
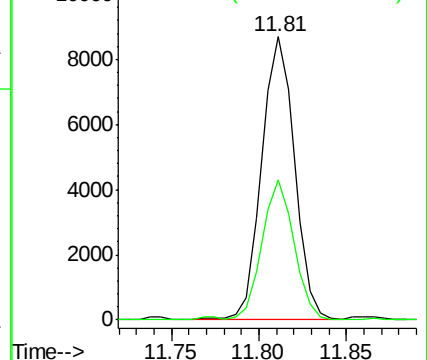
105 100

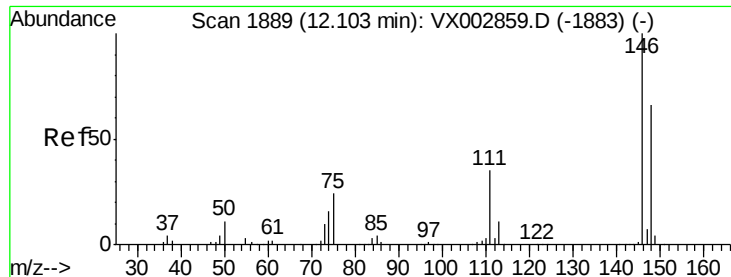
120 49.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#88

1,4-Dichlorobenzene

Concen: 0.28 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA\_X

ClientSampled :

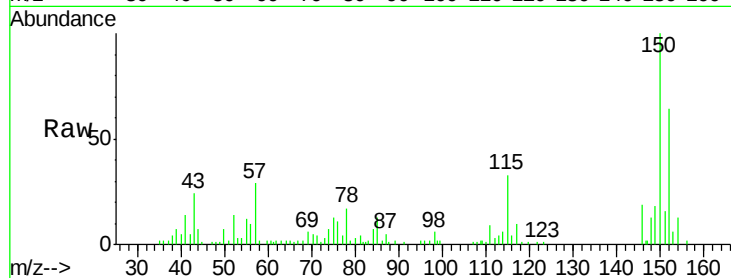
Tot Ion:146 Resp: 1872

Ion Ratio Lower Upper

146 100

111 0.0 18.7 56.1#

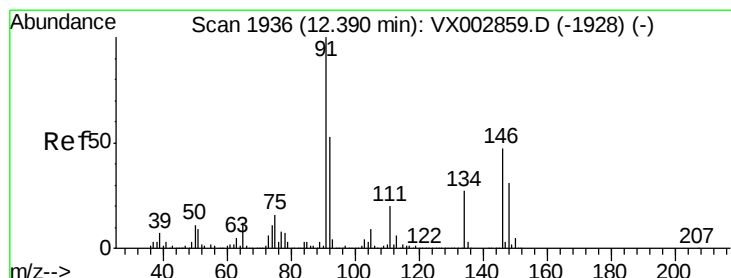
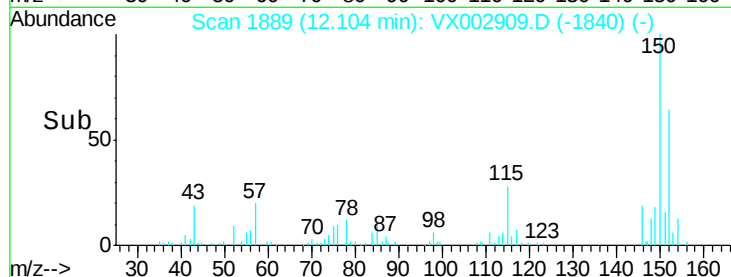
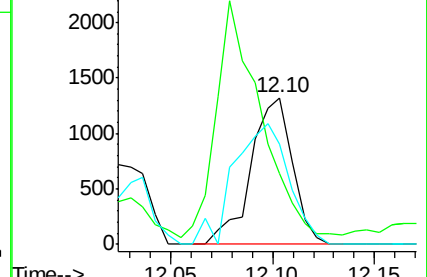
148 107.9 32.4 97.0#



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



#89

n-Butylbenzene

Concen: 0.47 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

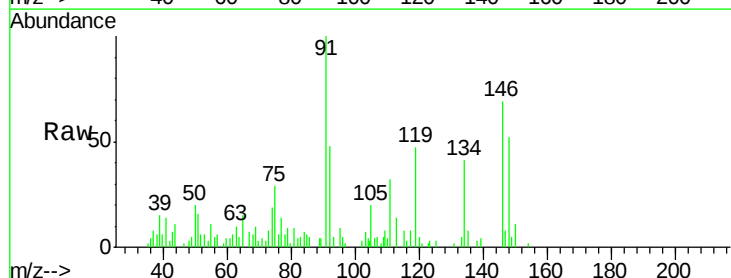
Tgt Ion: 91 Resp: 4706

Ion Ratio Lower Upper

91 100

92 36.6 26.0 78.0

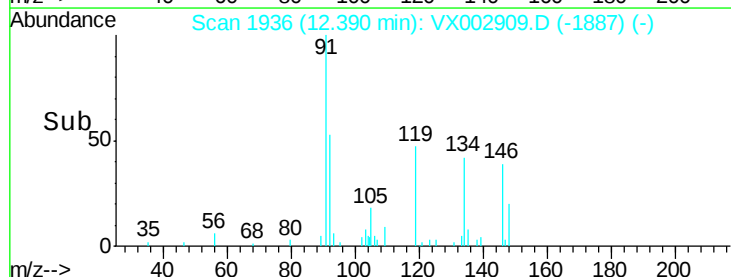
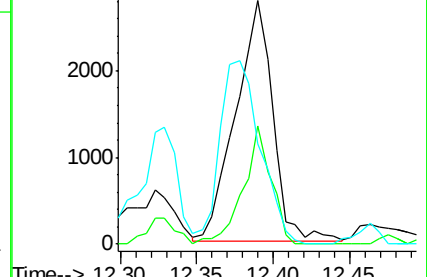
134 82.9 13.5 40.5#

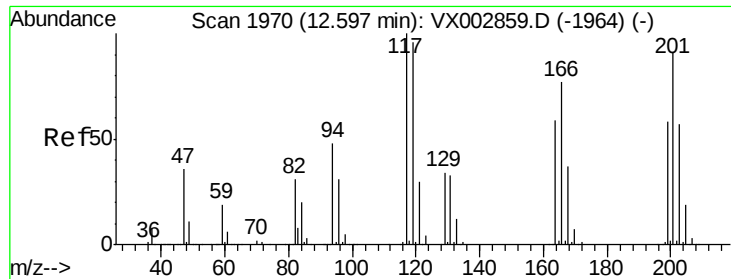


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.24 ug/l

RT: 12.59 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA\_X

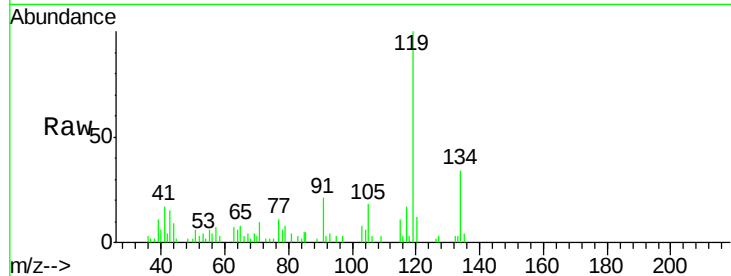
ClientSampleId :

Tot Ion:117 Resp: 406

Ion Ratio Lower Upper

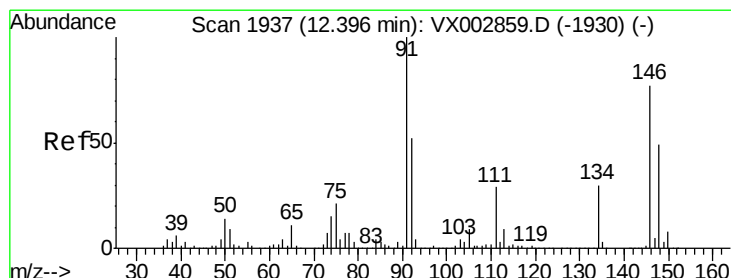
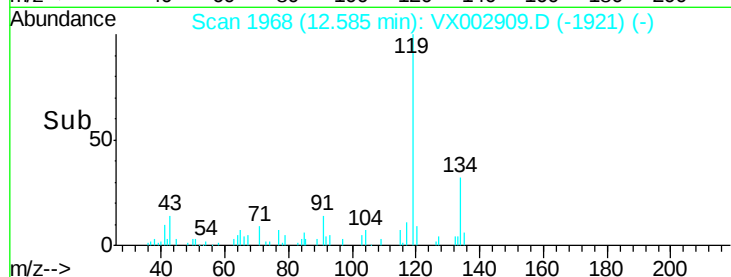
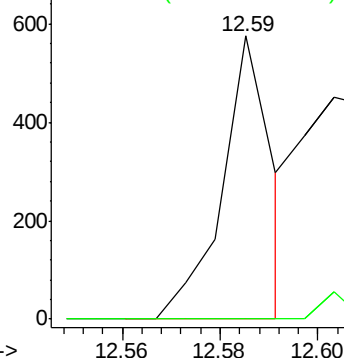
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.53 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

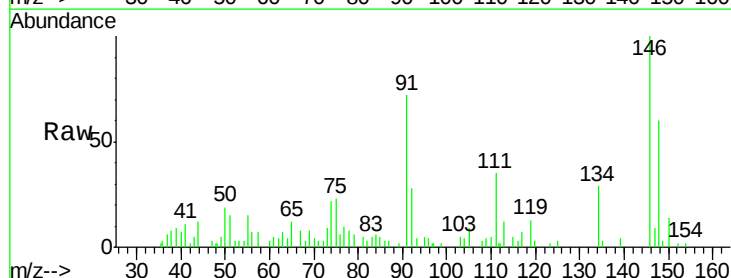
Tgt Ion:146 Resp: 3503

Ion Ratio Lower Upper

146 100

111 49.1 19.4 58.1

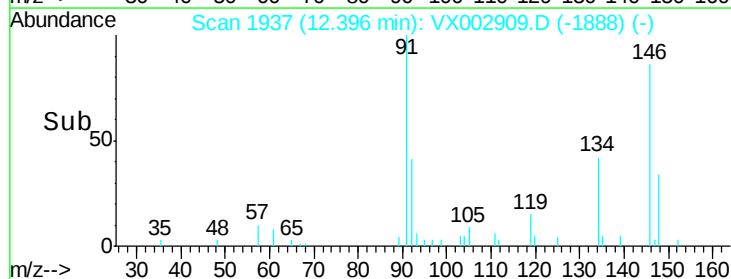
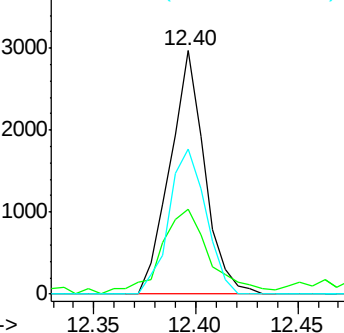
148 63.3 31.7 95.1

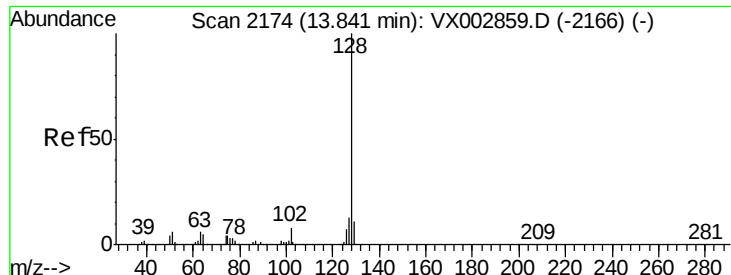


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

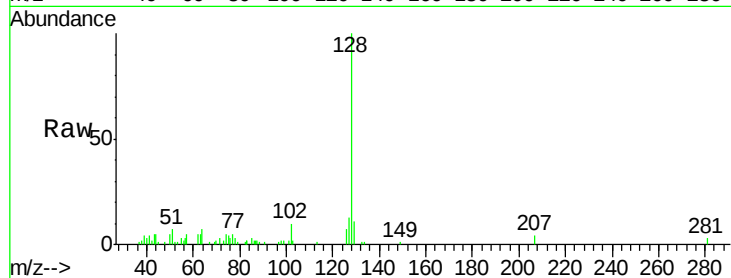




#95  
Naphthalene  
Concen: 0.55 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: VX002909.D  
Acq: 26 Jun 2018 22:24

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.3  | 10.4  | 15.6  |
| 129     | 12.0  | 8.6   | 13.0  |



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

