

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\  
 Data File : VX008075.D  
 Acq On : 14 Mar 2019 17:12  
 Operator : JC/SP  
 Sample : K1807-17  
 Misc : 5.05µ/5mL/100µL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-9

Quant Time: Mar 15 04:25:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X031419W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 03:56:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 265157   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 406627   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 397046   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 222055   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 129305   | 48.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.68%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 120719   | 46.82 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.64%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 496095   | 50.58 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.16% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 198445   | 56.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 112.96% |          |

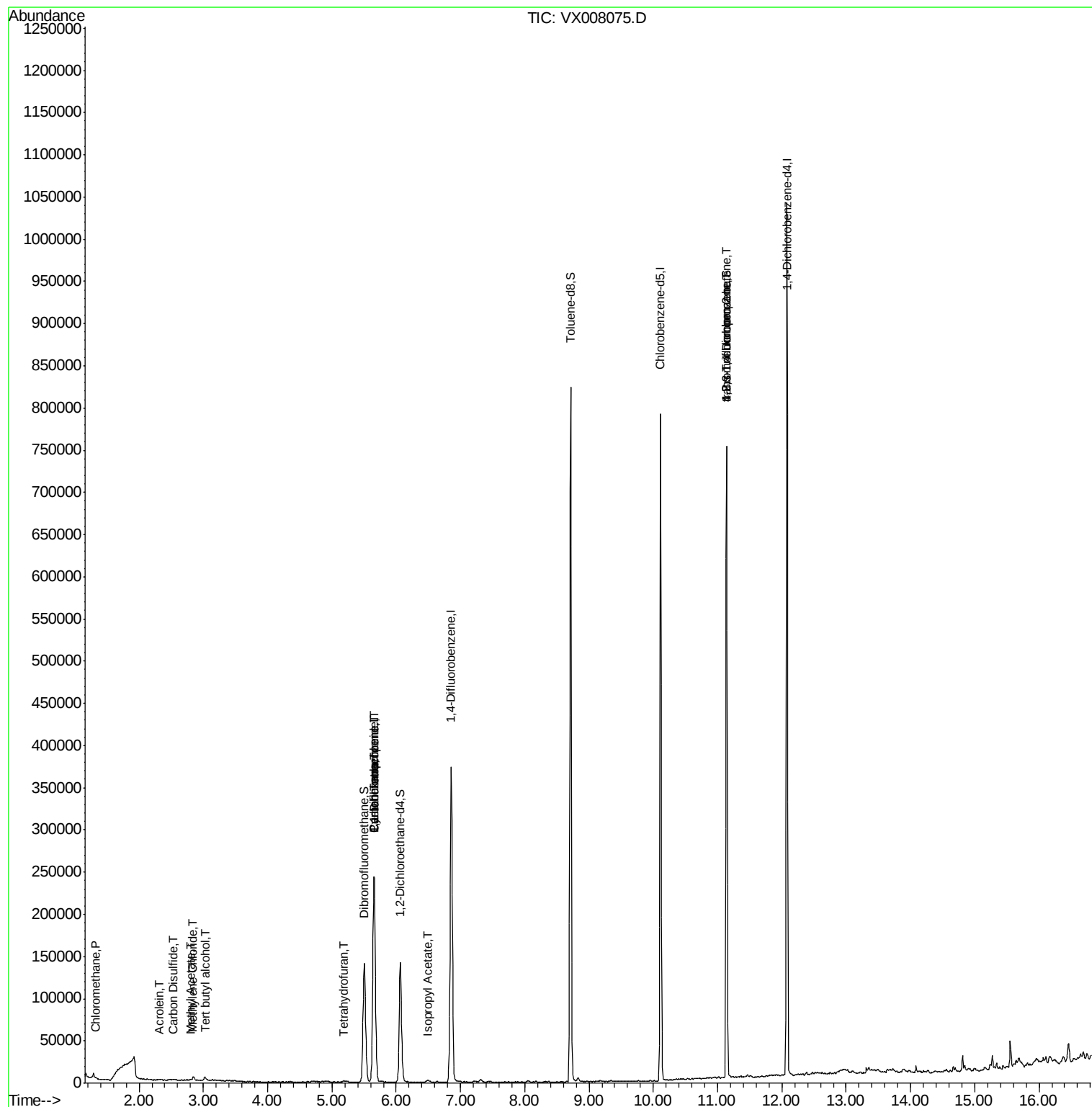
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.33  | 50   | 836      | 0.335     | ug/l   | 90     |
| 5) Bromomethane                | 1.64  | 94   | 511      | Below Cal | #      | 74     |
| 6) Chloroethane                | 1.70  | 64   | 329      | Below Cal | #      | 43     |
| 11) Tert butyl alcohol         | 3.03  | 59   | 2649     | 5.126     | ug/l # | 76     |
| 13) Acrolein                   | 2.31  | 56   | 143      | 0.300     | ug/l # | 1      |
| 17) Carbon Disulfide           | 2.53  | 76   | 1178     | 0.203     | ug/l # | 83     |
| 18) Methyl Acetate             | 2.80  | 43   | 1148     | 0.421     | ug/l   | 95     |
| 20) Methylene Chloride         | 2.84  | 84   | 1677     | 0.744     | ug/l   | 84     |
| 29) Tetrahydrofuran            | 5.19  | 42   | 1262     | 1.043     | ug/l # | 82     |
| 31) Cyclohexane                | 5.65  | 56   | 3652     | 0.955     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.65  | 75   | 15768    | 4.714     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 5.66  | 117  | 22454    | 6.974     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 6.49  | 43   | 1204     | 0.208     | ug/l # | 60     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75   | 87513    | 22.693    | ug/l # | 40     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 87513    | 64.575    | ug/l # | 12     |

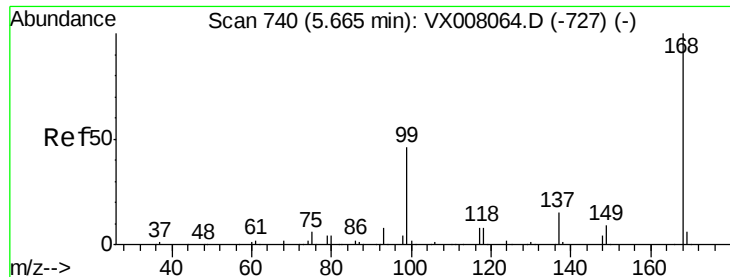
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031419\  
Data File : VX008075.D  
Acq On : 14 Mar 2019 17:12  
Operator : JC/SP  
Sample : K1807-17  
Misc : 5.05µ/5mL/100µL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-9

Quant Time: Mar 15 04:25:53 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X031419W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 15 03:56:35 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

Instrument :

MSVOA\_X

ClientSampled :

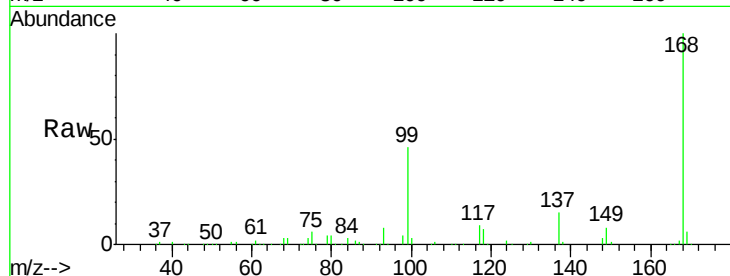
TP-9

Tot Ion:168 Resp: 265157

Ion Ratio Lower Upper

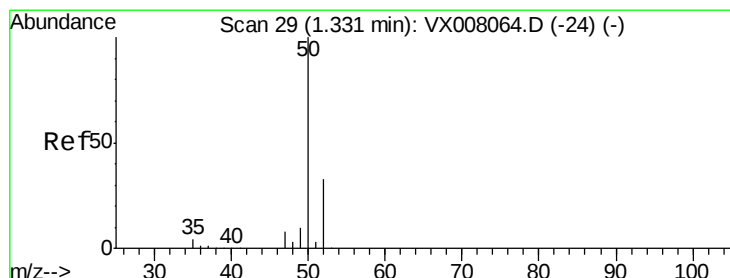
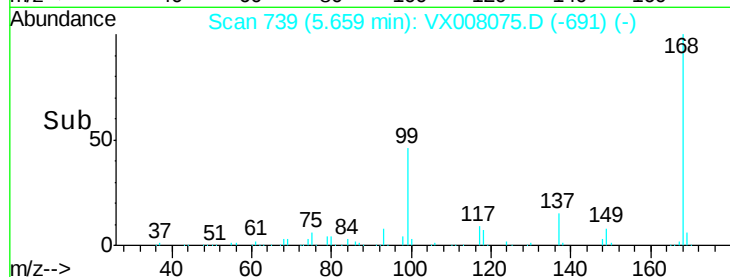
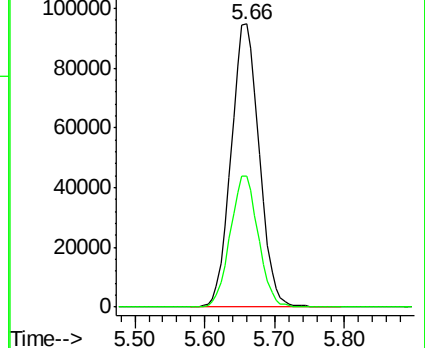
168 100

99 46.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.335 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008075.D

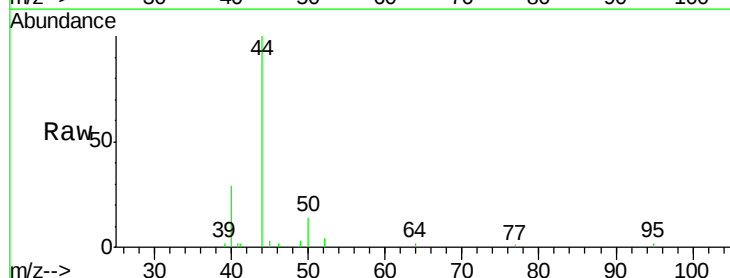
Acq: 14 Mar 2019 17:12

Tgt Ion: 50 Resp: 836

Ion Ratio Lower Upper

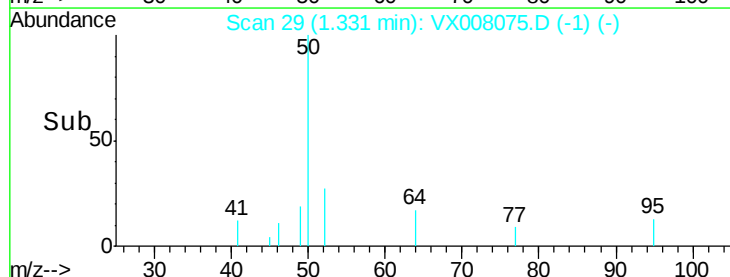
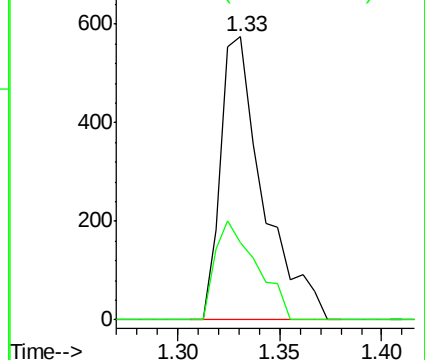
50 100

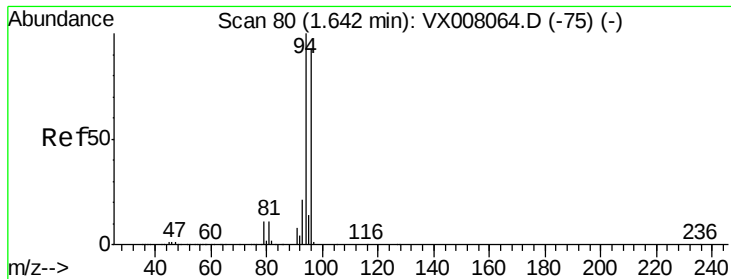
52 27.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

Instrument :

MSVOA\_X

ClientSampled :

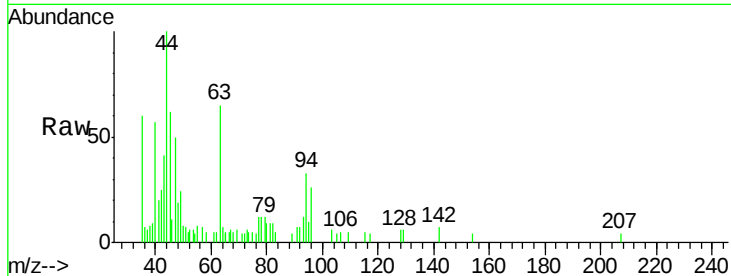
TP-9

Tot Ion: 94 Resp: 511

Ion Ratio Lower Upper

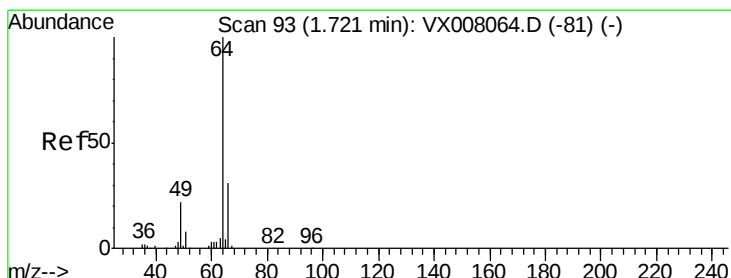
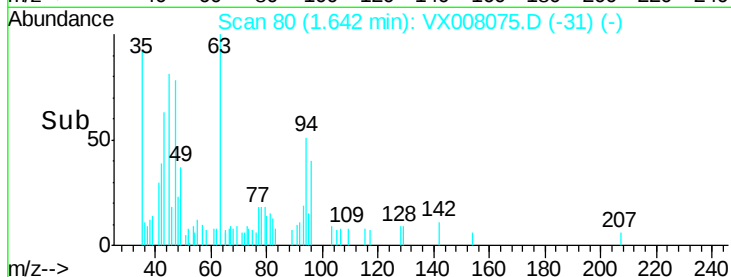
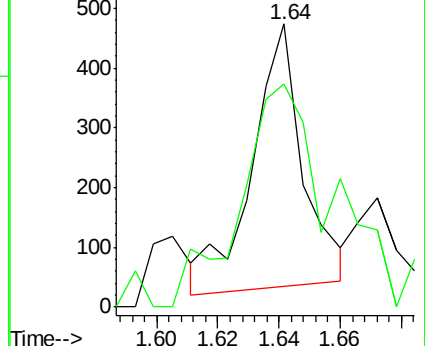
94 100

96 69.4 75.5 113.3#



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: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX008075.D

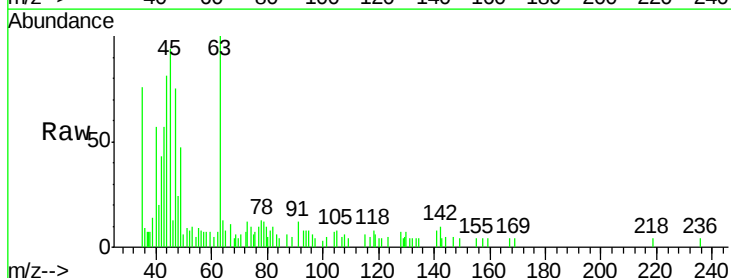
Acq: 14 Mar 2019 17:12

Tgt Ion: 64 Resp: 329

Ion Ratio Lower Upper

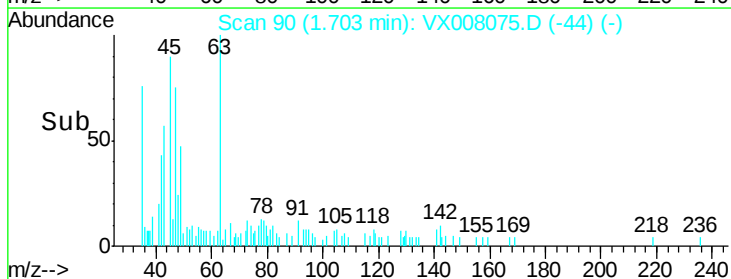
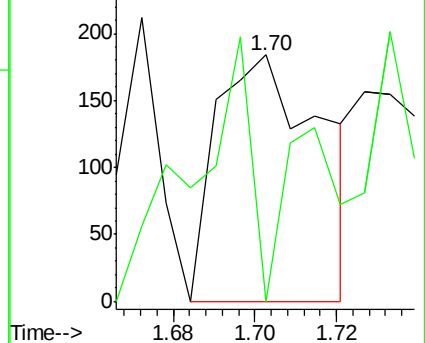
64 100

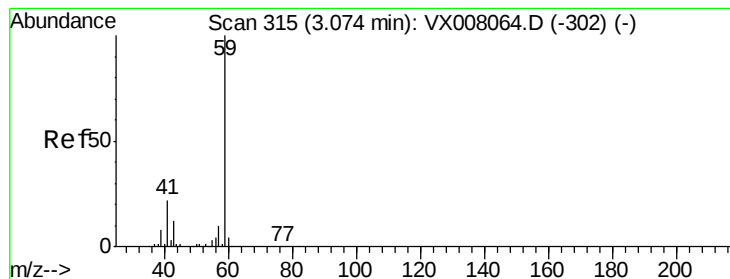
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



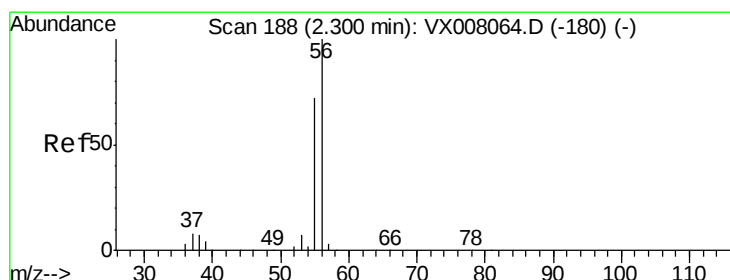
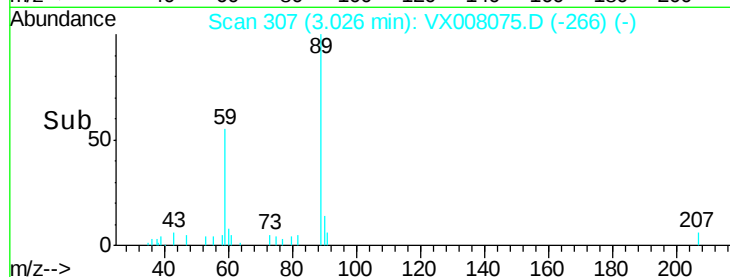
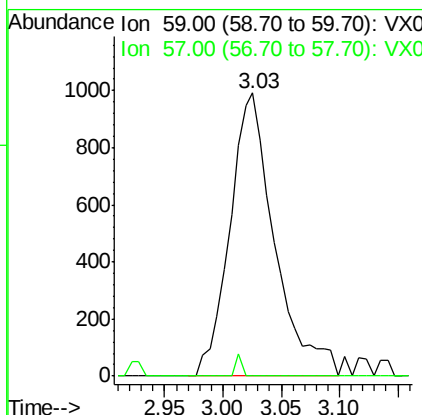
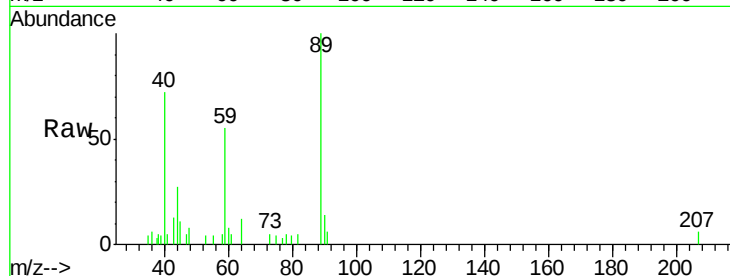


#11

Tert butyl alcohol  
 Concen: 5.126 ug/l  
 RT: 3.03 min Scan# 307  
 Delta R.T. -0.05 min  
 Lab File: VX008075.D  
 Acq: 14 Mar 2019 17:12

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 TP-9

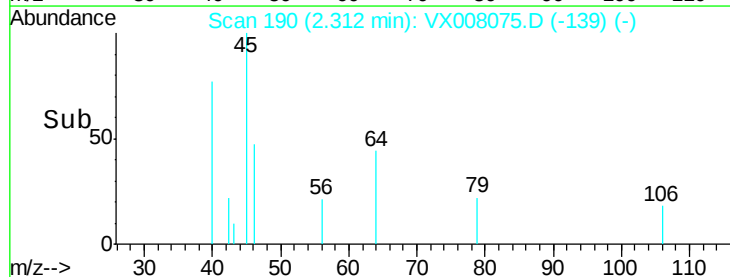
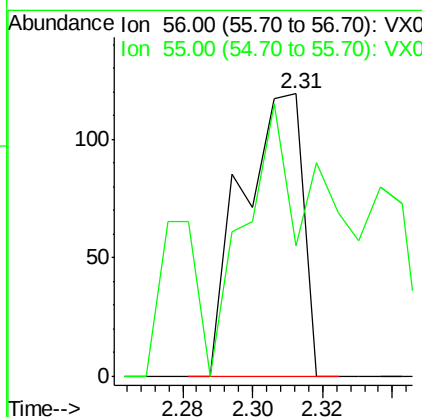
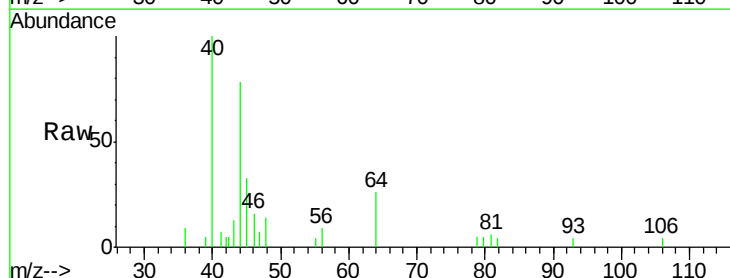
Tot Ion: 59 Resp: 2649  
 Ion Ratio Lower Upper  
 59 100  
 57 1.1 8.2 12.2#

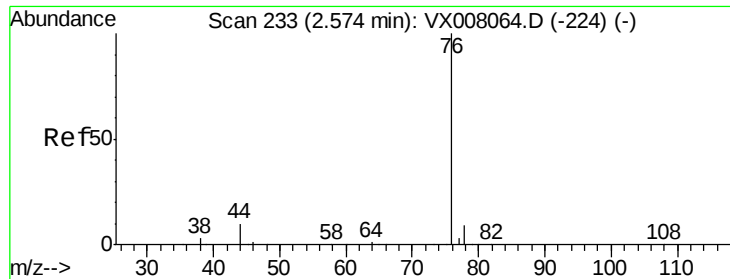


#13

Acrolein  
 Concen: 0.300 ug/l  
 RT: 2.31 min Scan# 190  
 Delta R.T. 0.01 min  
 Lab File: VX008075.D  
 Acq: 14 Mar 2019 17:12

Tgt Ion: 56 Resp: 143  
 Ion Ratio Lower Upper  
 56 100  
 55 169.9 57.8 86.6#





#17

Carbon Disulfide

Concen: 0.203 ug/l

RT: 2.53 min Scan# 226

Delta R.T. -0.04 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

Instrument :

MSVOA\_X

ClientSampled :

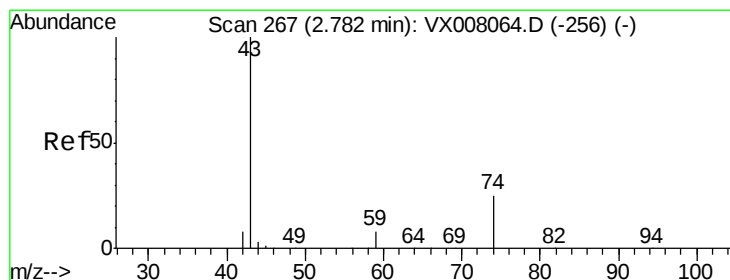
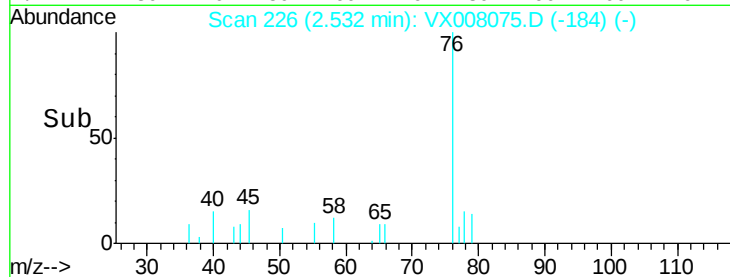
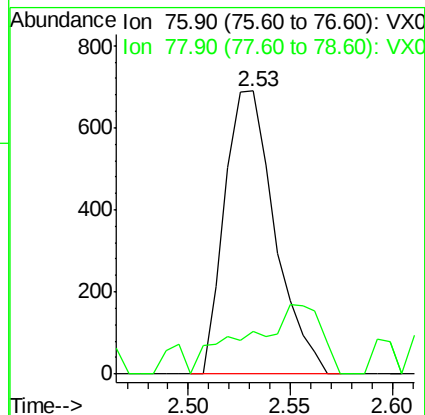
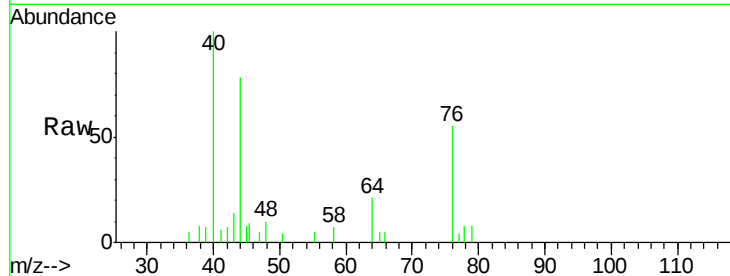
TP-9

Tot Ion: 76 Resp: 1178

Ion Ratio Lower Upper

76 100

78 15.1 7.2 10.8#



#18

Methyl Acetate

Concen: 0.421 ug/l

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX008075.D

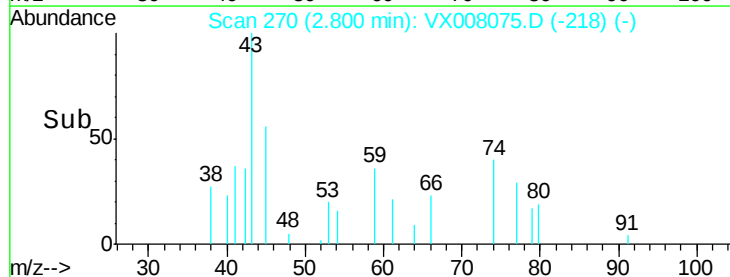
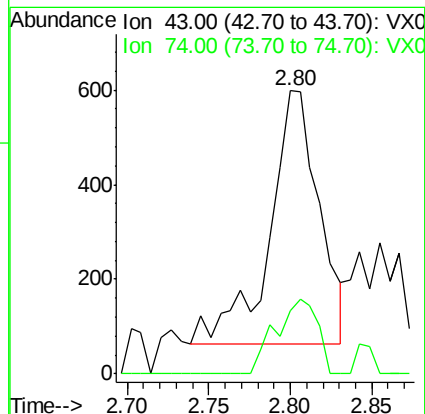
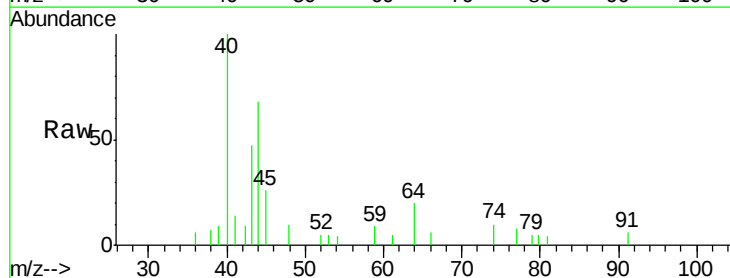
Acq: 14 Mar 2019 17:12

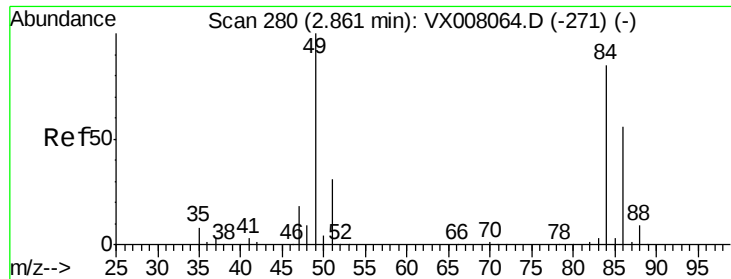
Tgt Ion: 43 Resp: 1148

Ion Ratio Lower Upper

43 100

74 24.6 17.8 26.6





#20

Methvlene Chloride

Concen: 0.744 ug/l

RT: 2.84 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

Instrument :

MSVOA\_X

ClientSampled :

TP-9

Tot Ion: 84 Resp: 1677

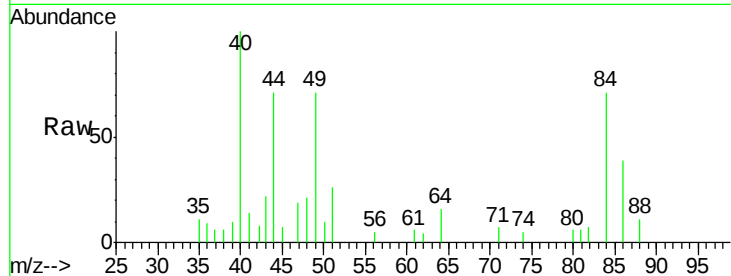
Ion Ratio Lower Upper

84 100

49 100.4 99.3 148.9

51 37.1 31.3 46.9

86 55.1 52.6 79.0

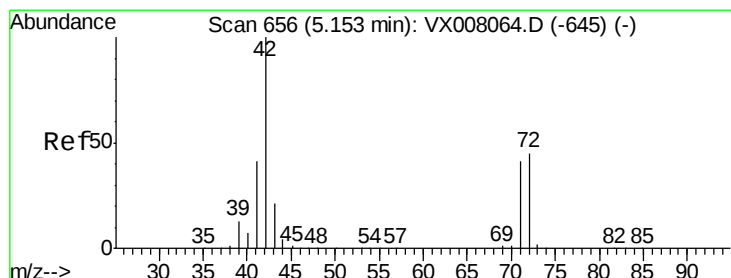
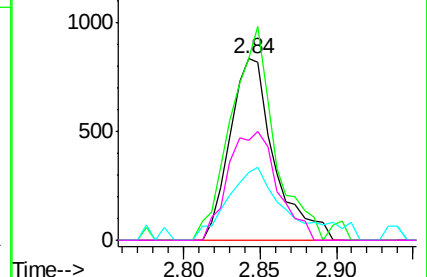
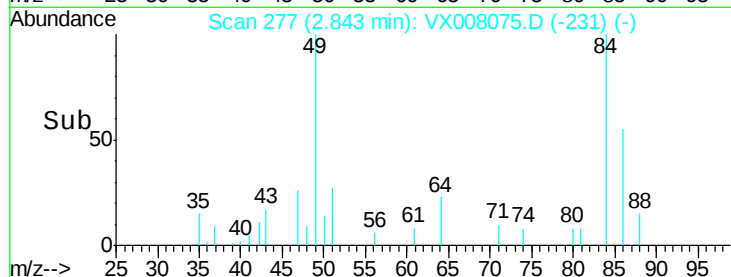


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29

Tetrahydrofuran

Concen: 1.043 ug/l

RT: 5.19 min Scan# 662

Delta R.T. 0.04 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

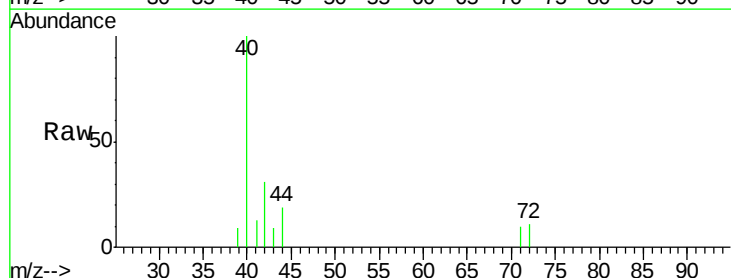
Tgt Ion: 42 Resp: 1262

Ion Ratio Lower Upper

42 100

72 26.5 33.8 50.6#

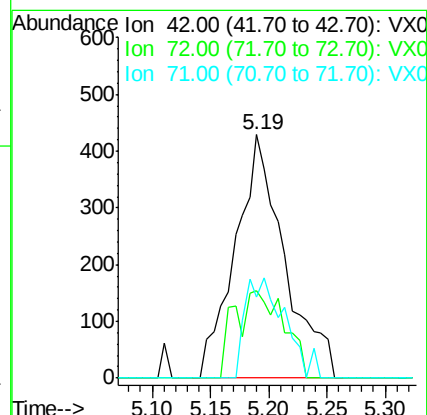
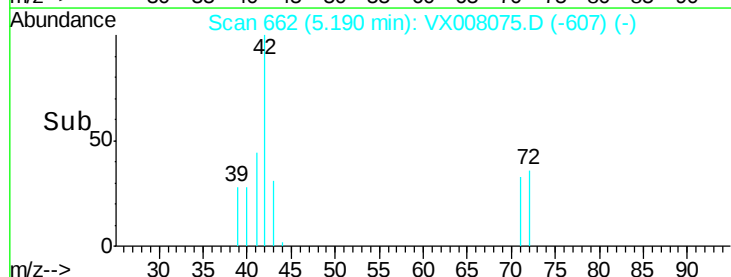
71 33.1 31.5 47.3

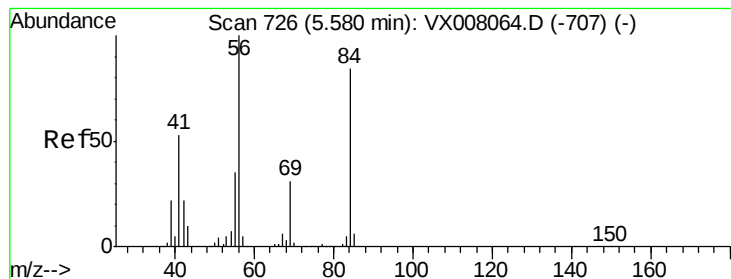


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.955 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

Instrument :

MSVOA\_X

ClientSampleId :

TP-9

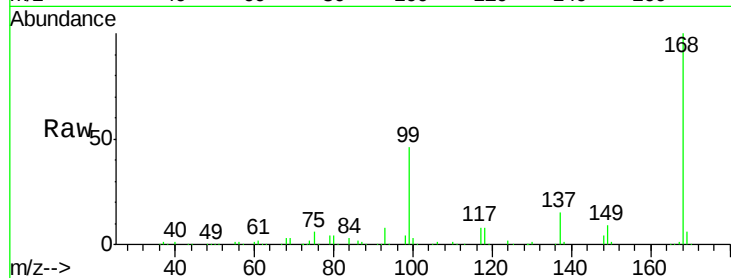
Tot Ion: 56 Resp: 3652

Ion Ratio Lower Upper

56 100

69 215.8 24.0 36.0#

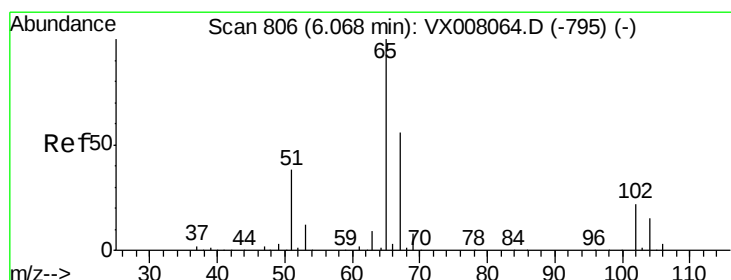
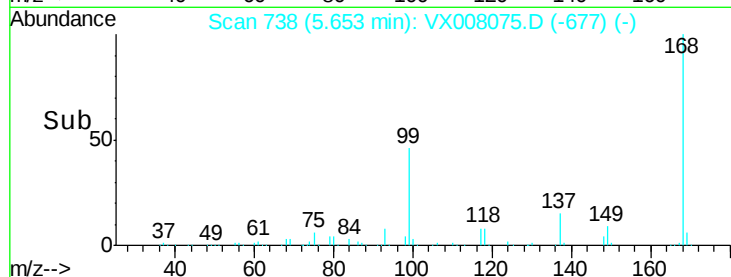
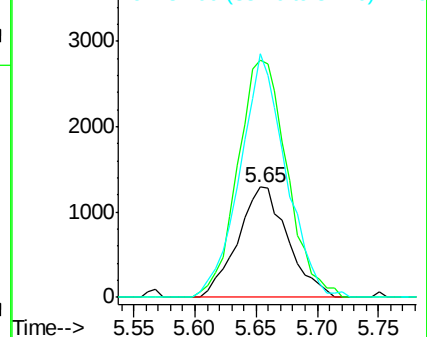
84 221.2 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.343 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008075.D

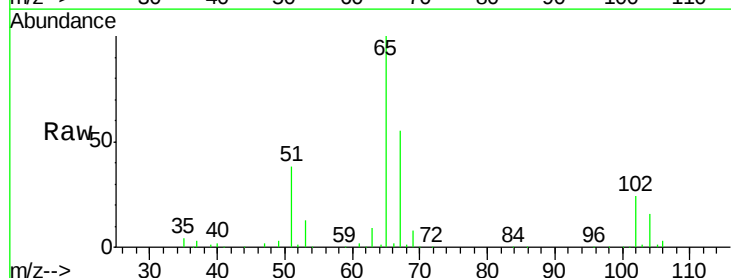
Acq: 14 Mar 2019 17:12

Tgt Ion: 65 Resp: 129305

Ion Ratio Lower Upper

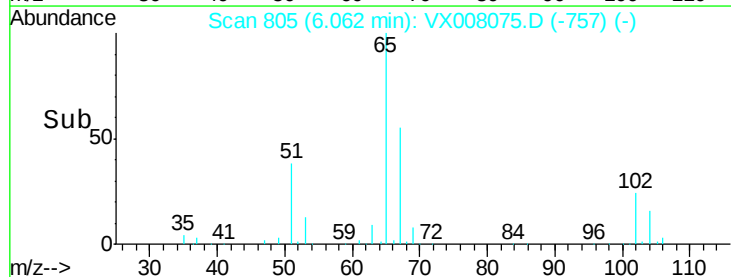
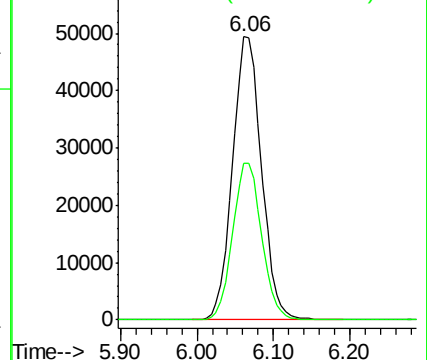
65 100

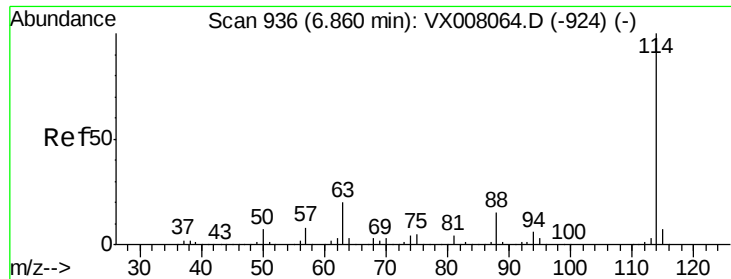
67 55.6 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

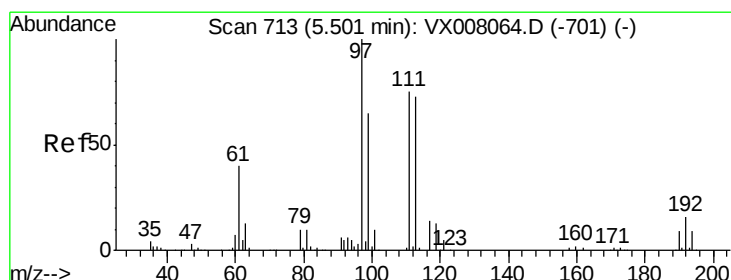
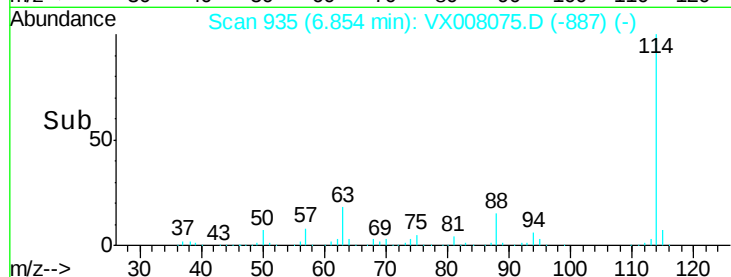
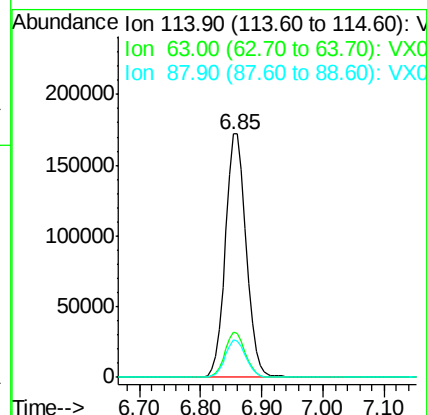
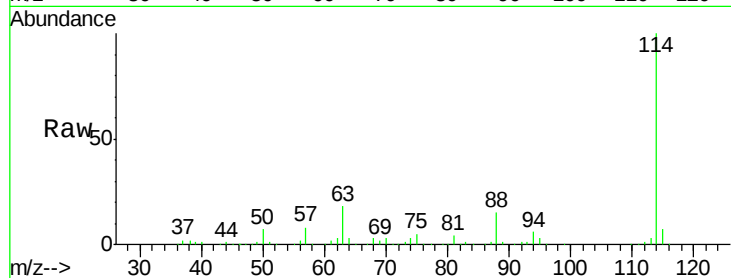




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. -0.01 min  
 Lab File: VX008075.D  
 Acq: 14 Mar 2019 17:12

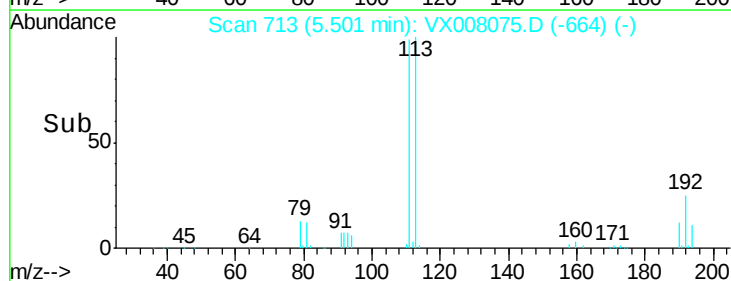
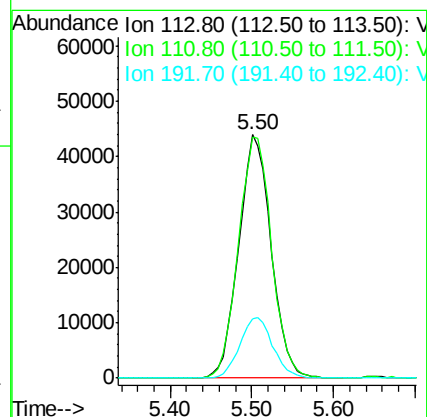
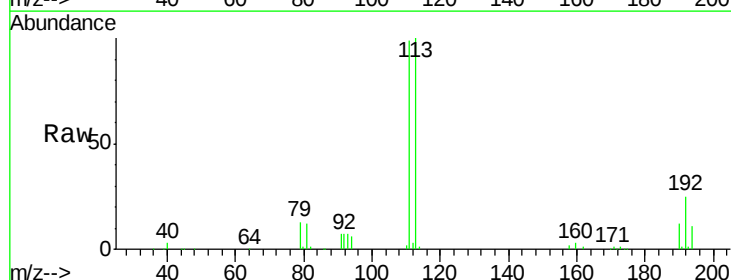
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-9

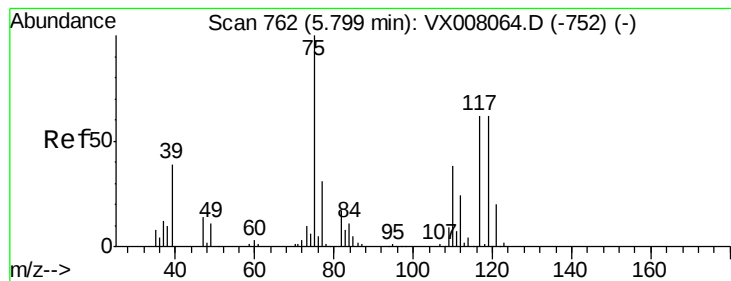
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.4  | 0.0   | 39.8  |
| 88      | 15.3  | 0.0   | 31.4  |



#35  
 Dibromofluoromethane  
 Concen: 46.816 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX008075.D  
 Acq: 14 Mar 2019 17:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.6 | 81.4  | 122.0 |
| 192     | 25.3  | 19.4  | 29.0  |





#36

1,1-Dichloropropene

Concen: 4.714 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

Instrument :

MSVOA\_X

ClientSampleId :

TP-9

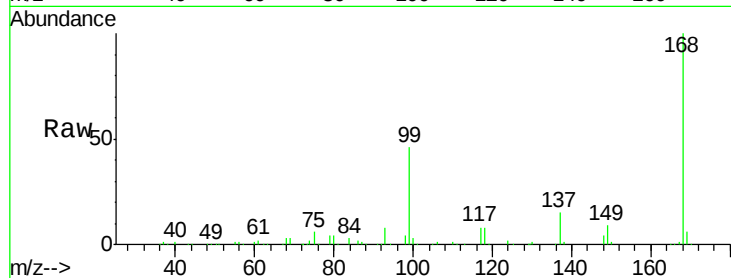
Tot Ion: 75 Resp: 15768

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.0#

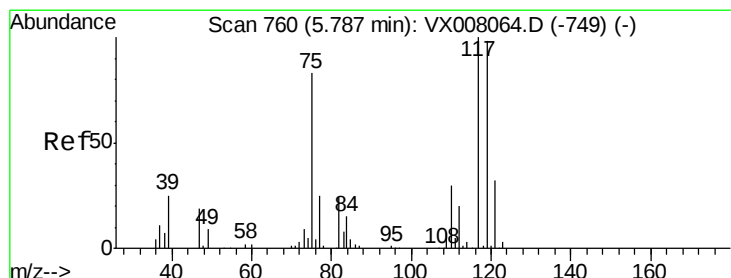
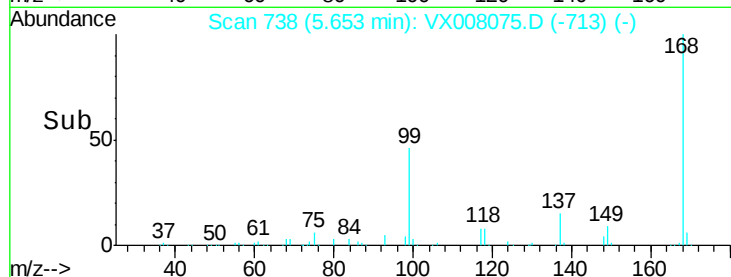
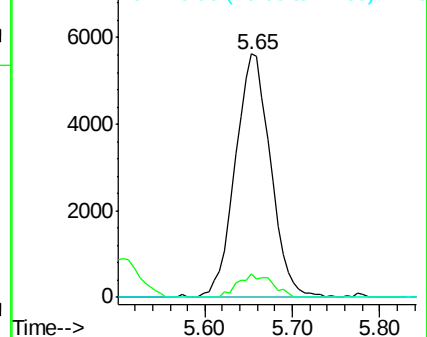
77 0.0 25.0 37.4#



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: 6.974 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

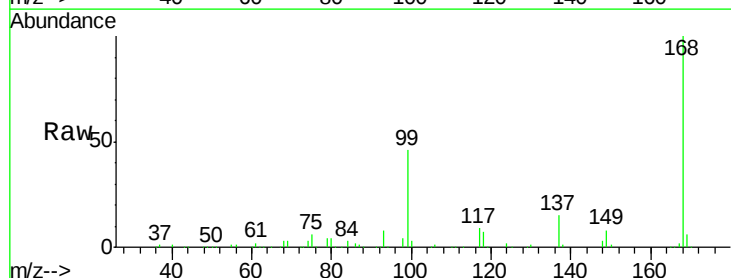
Tgt Ion: 117 Resp: 22454

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

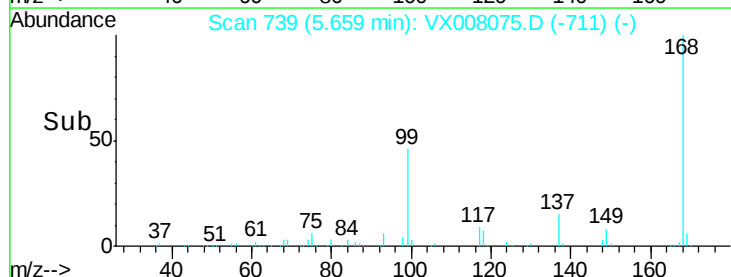
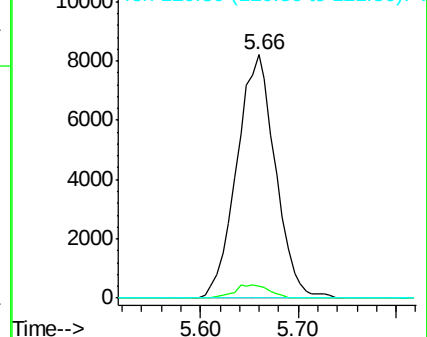
121 0.0 24.6 36.8#

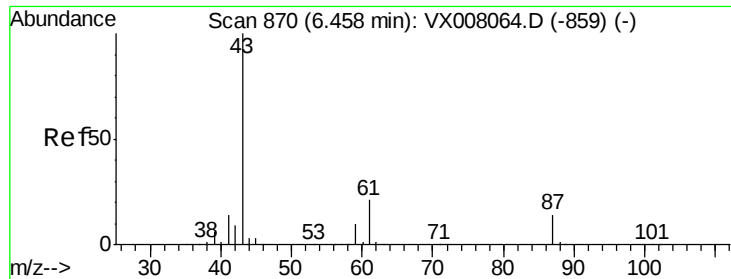


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.208 ug/l

RT: 6.49 min Scan# 876

Delta R.T. 0.04 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

Instrument :

MSVOA\_X

ClientSampled :

TP-9

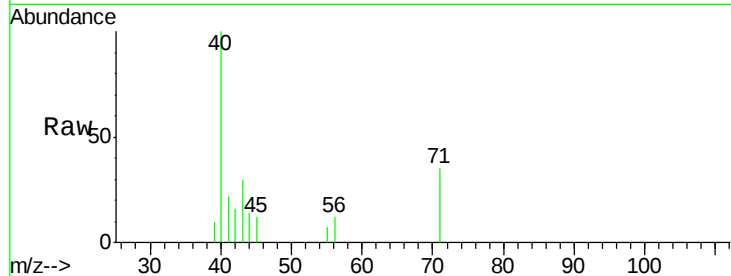
Tot Ion: 43 Resp: 1204

Ion Ratio Lower Upper

43 100

61 0.0 16.3 24.5#

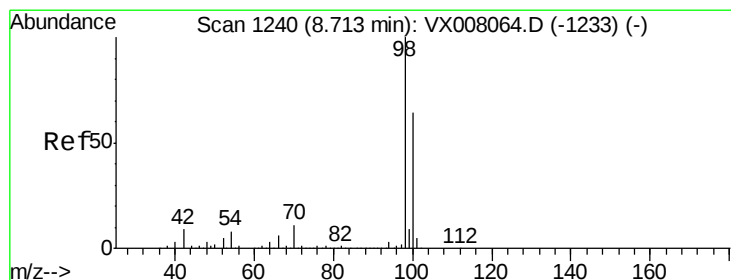
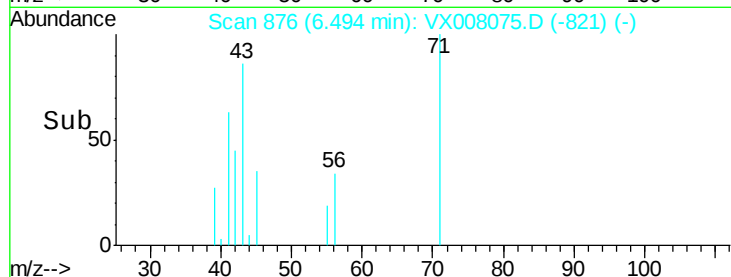
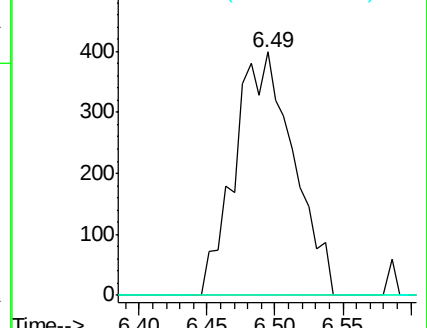
87 0.0 10.5 15.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 50.585 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008075.D

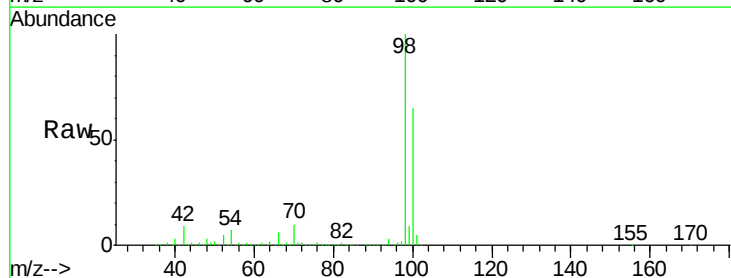
Acq: 14 Mar 2019 17:12

Tgt Ion: 98 Resp: 496095

Ion Ratio Lower Upper

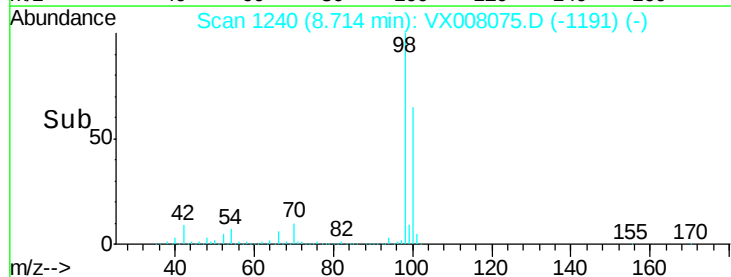
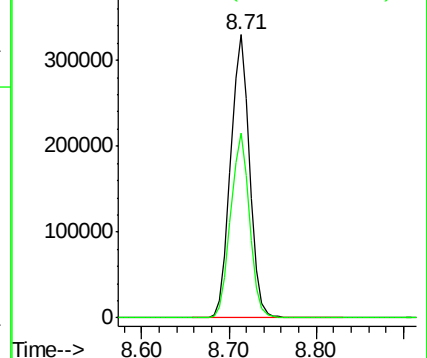
98 100

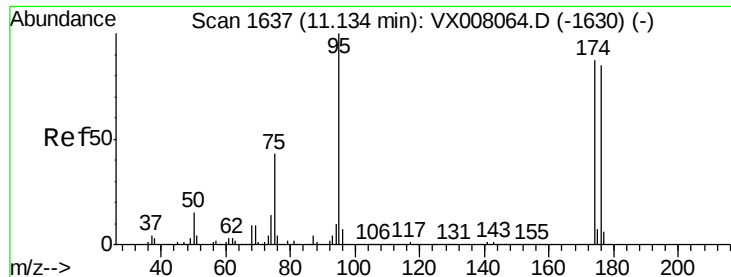
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 56.484 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

Instrument :

MSVOA\_X

ClientSampleId :

TP-9

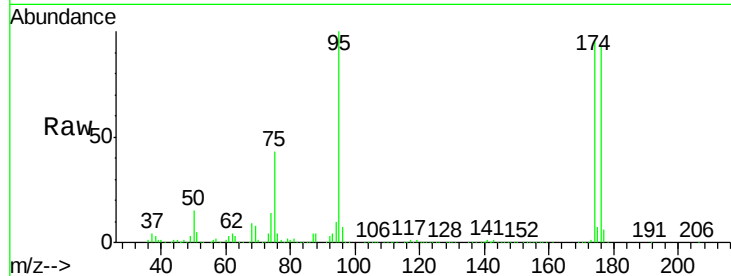
Tot Ion: 95 Resp: 198445

Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.8

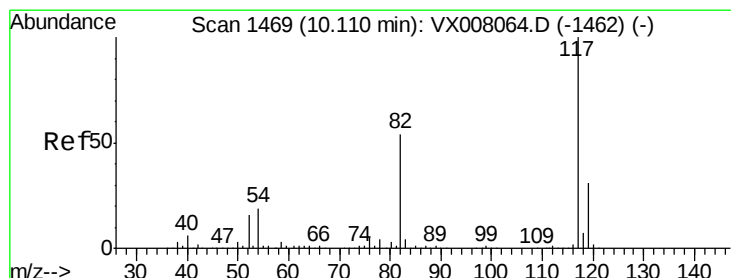
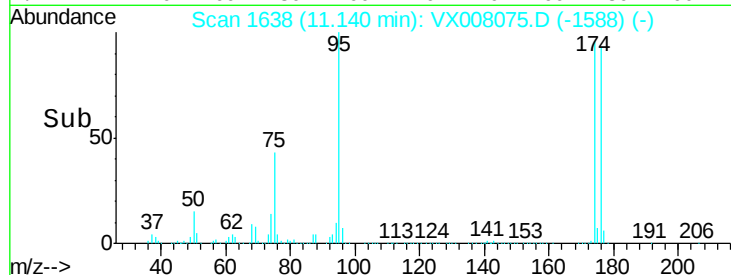
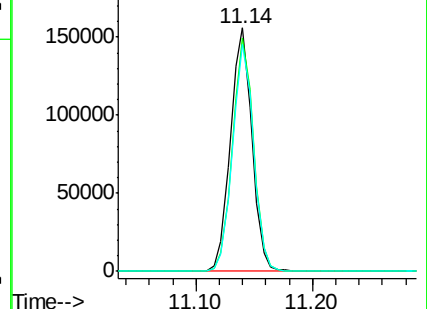
176 92.1 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008064.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008064.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008064.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

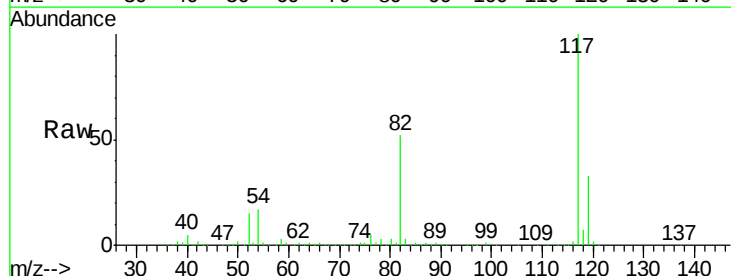
Tgt Ion: 117 Resp: 397046

Ion Ratio Lower Upper

117 100

82 51.7 44.3 66.5

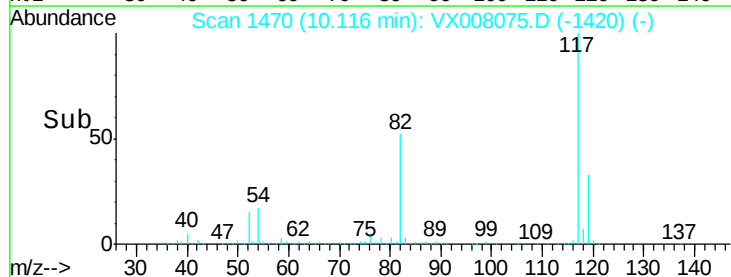
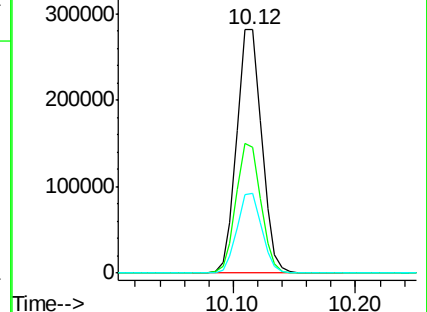
119 32.6 25.3 37.9

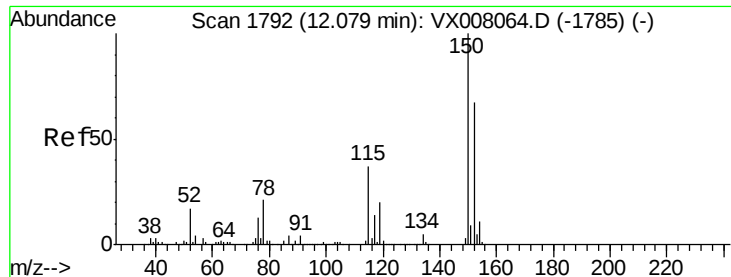


Abundance Ion 116.90 (116.60 to 117.60): VX008064.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008064.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008064.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

Instrument :

MSVOA\_X

ClientSampleId :

TP-9

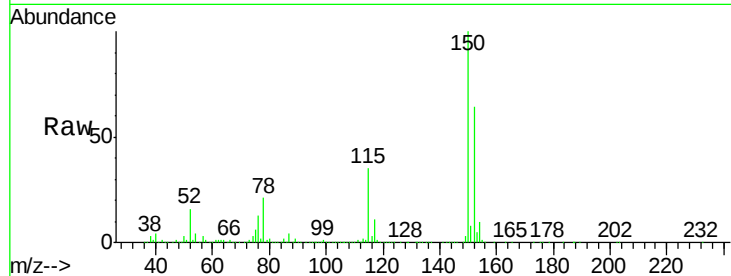
Tot Ion:152 Resp: 222055

Ion Ratio Lower Upper

152 100

115 54.5 38.6 115.7

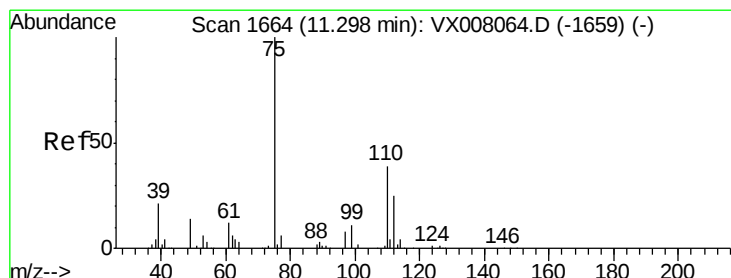
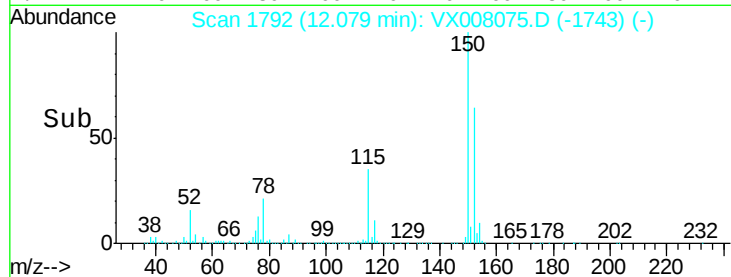
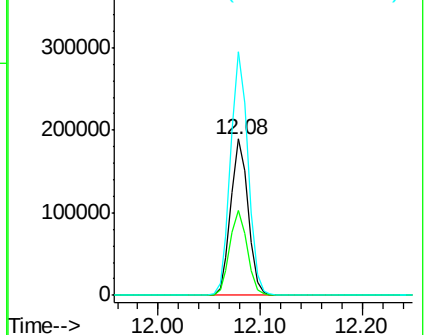
150 156.7 0.0 348.4



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



#76

1,2,3-Trichloropropane

Concen: 22.693 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX008075.D

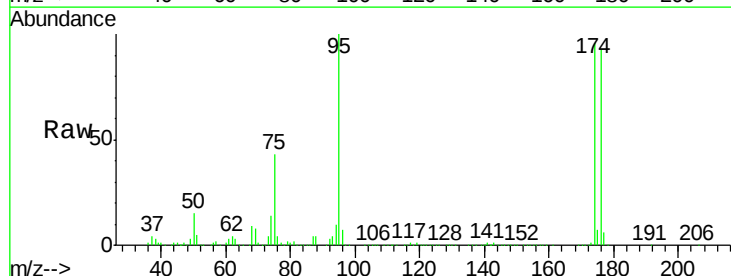
Acq: 14 Mar 2019 17:12

Tgt Ion: 75 Resp: 87513

Ion Ratio Lower Upper

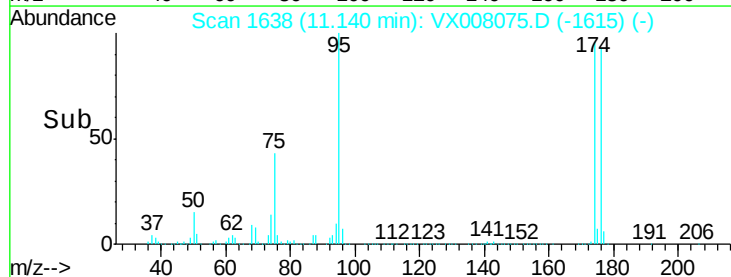
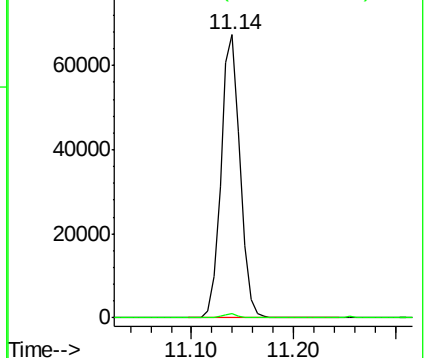
75 100

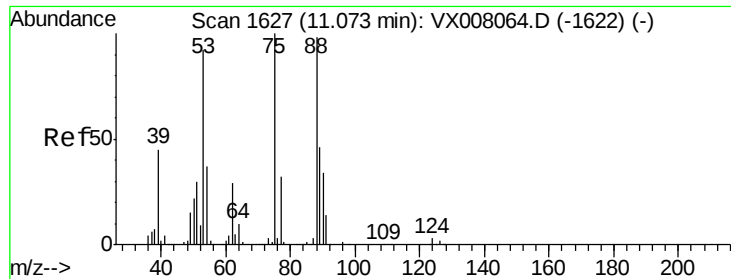
77 1.7 18.9 56.7#



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: 64.575 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX008075.D

Acq: 14 Mar 2019 17:12

Instrument :

MSVOA\_X

ClientSampleId :

TP-9

Tot Ion: 75 Resp: 87513

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.0 36.3 54.5#

