

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\  
 Data File : VX008523.D  
 Acq On : 28 Mar 2019 16:37  
 Operator : JC/SP  
 Sample : K2115-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 QNWP8-MW25D-GW

Quant Time: Mar 29 03:19:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 07:57:20 2019  
 Response via : Initial Calibration

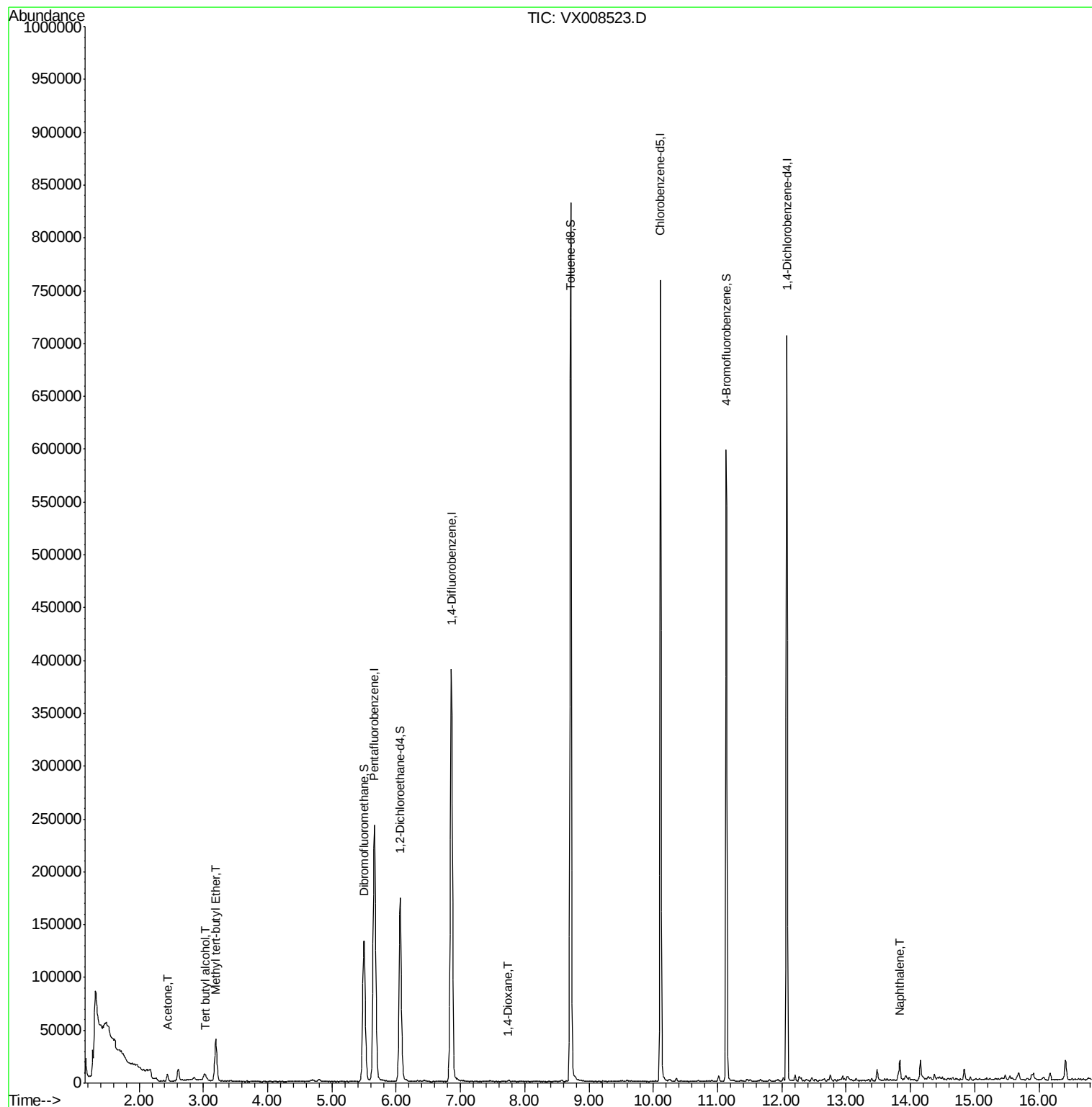
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 230477   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 389246   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 333018   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 137703   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 162153   | 46.41  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.82% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 118465   | 46.68  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.36% |          |
| 50) Toluene-d8              | 8.71  | 98   | 483491   | 47.64  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.28% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 163568   | 43.49  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.98% |          |
| Target Compounds            |       |      |          |        |        |          |
|                             |       |      |          |        | Qvalue |          |
| 11) Tert butyl alcohol      | 3.03  | 59   | 5844     | 7.549  | ug/l   | 97       |
| 16) Acetone                 | 2.44  | 43   | 7381     | 4.042  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether | 3.20  | 73   | 43466    | 4.498  | ug/l   | 98       |
| 49) 1,4-Dioxane             | 7.74  | 88   | 977      | 11.419 | ug/l # | 68       |
| 95) Naphthalene             | 13.83 | 128  | 9781     | 0.871  | ug/l   | 98       |

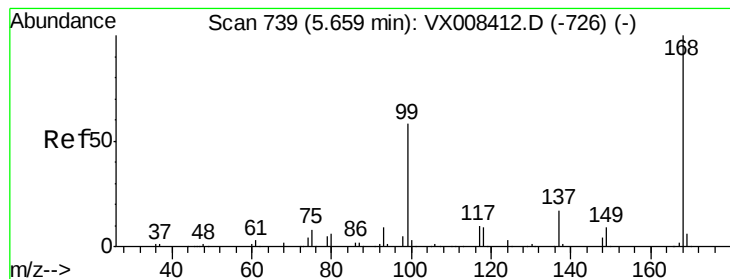
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032819\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 26 07:57:20 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

Instrument :

MSVOA\_X

ClientSampleId :

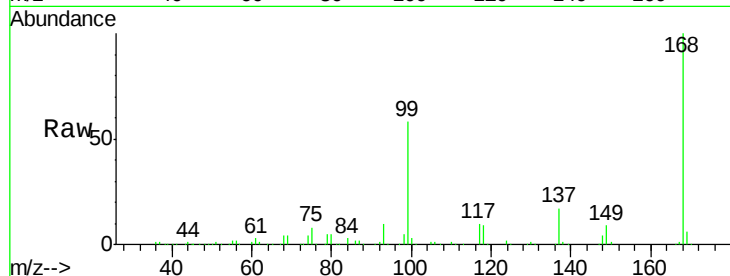
QNWP8-MW25D-GW

Tot Ion:168 Resp: 230477

Ion Ratio Lower Upper

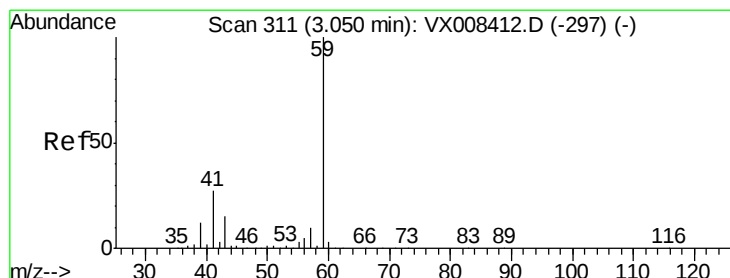
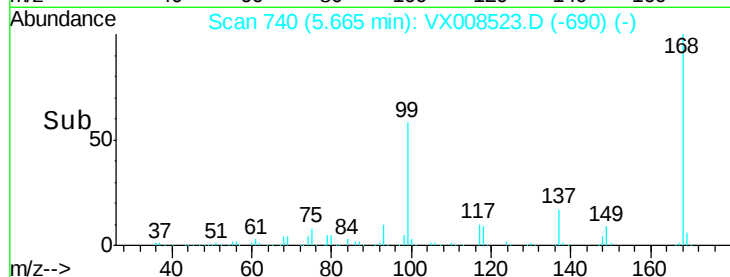
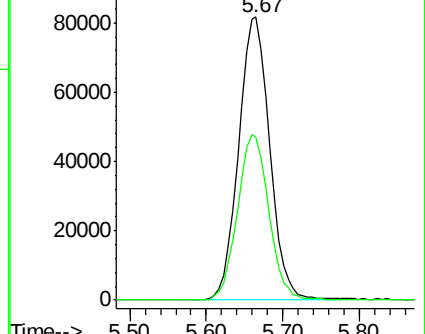
168 100

99 57.7 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 7.549 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX008523.D

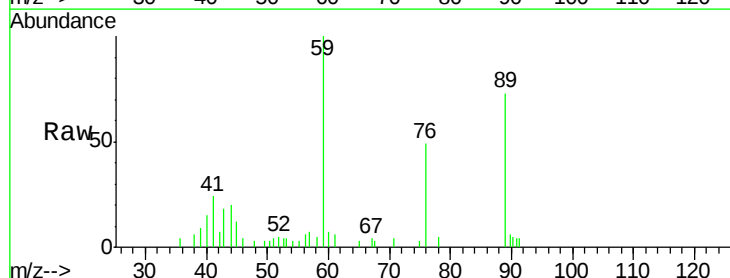
Acq: 28 Mar 2019 16:37

Tgt Ion: 59 Resp: 5844

Ion Ratio Lower Upper

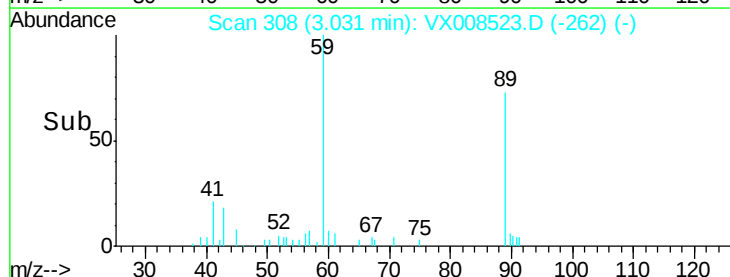
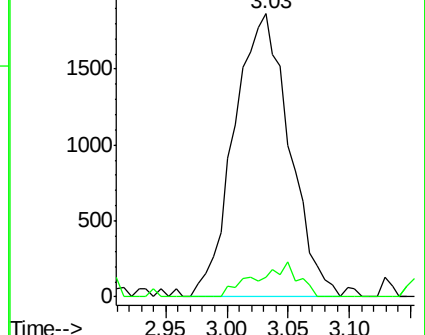
59 100

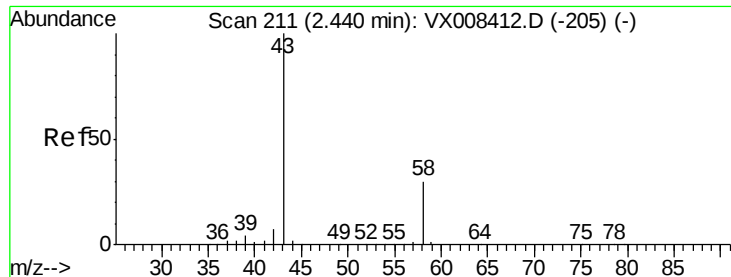
57 9.3 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 4.042 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

Instrument :

MSVOA\_X

ClientSampleId :

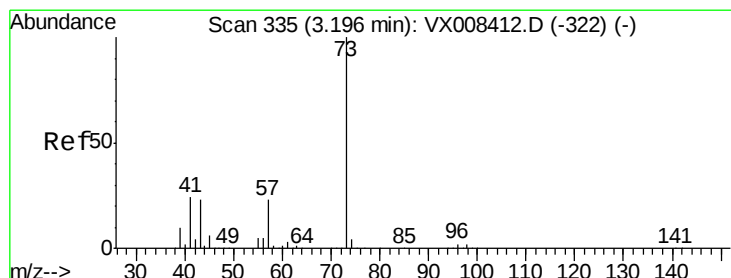
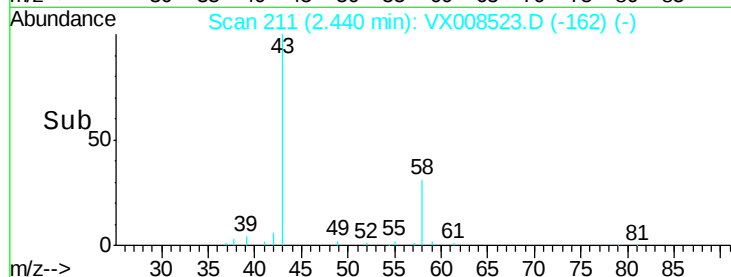
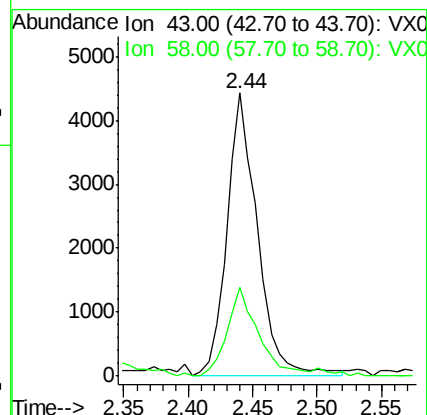
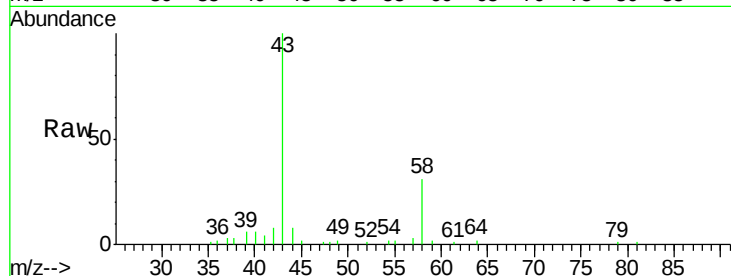
QNWP8-MW25D-GW

Tot Ion: 43 Resp: 7381

Ion Ratio Lower Upper

43 100

58 31.2 24.2 36.2



#19

Methyl tert-butyl Ether

Concen: 4.498 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX008523.D

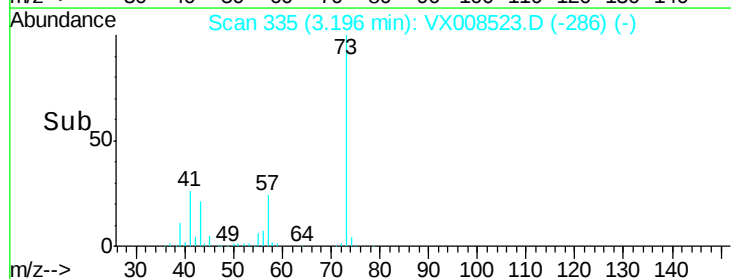
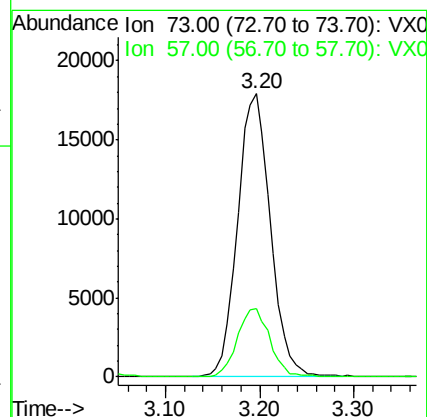
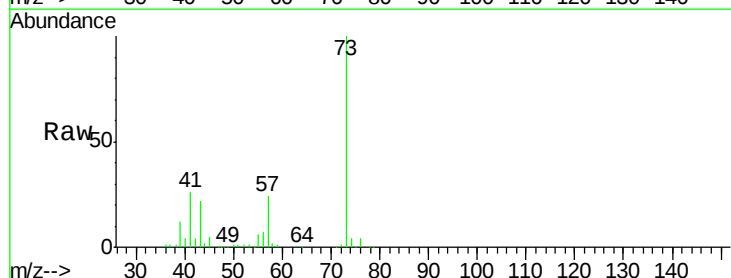
Acq: 28 Mar 2019 16:37

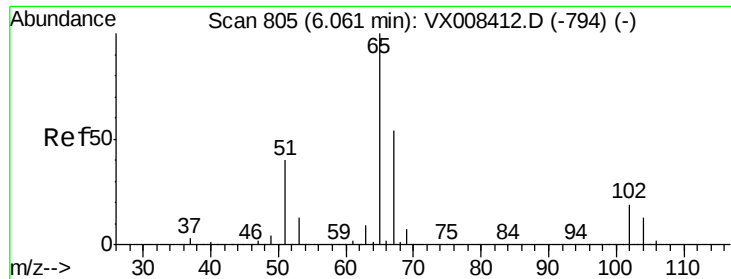
Tgt Ion: 73 Resp: 43466

Ion Ratio Lower Upper

73 100

57 24.3 18.6 28.0





#33

1,2-Dichloroethane-d4

Concen: 46.408 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

Instrument :

MSVOA\_X

ClientSampleId :

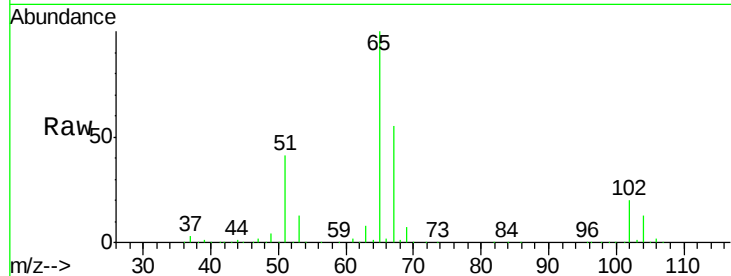
QNWP8-MW25D-GW

Tot Ion: 65 Resp: 162153

Ion Ratio Lower Upper

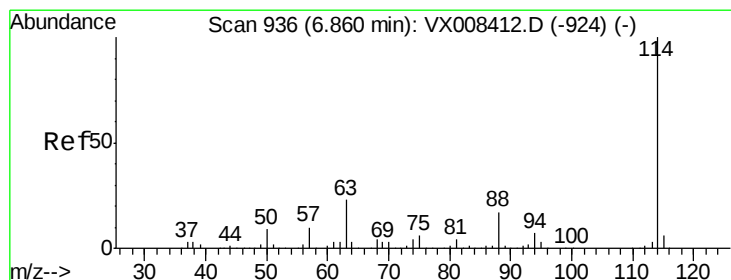
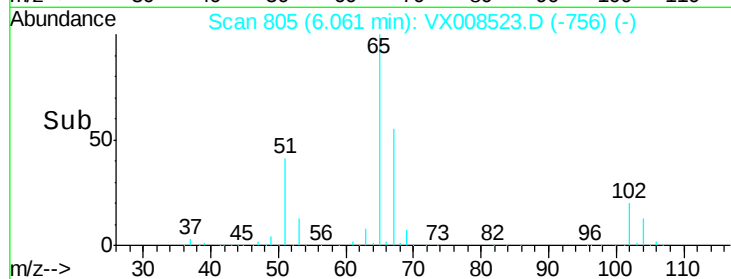
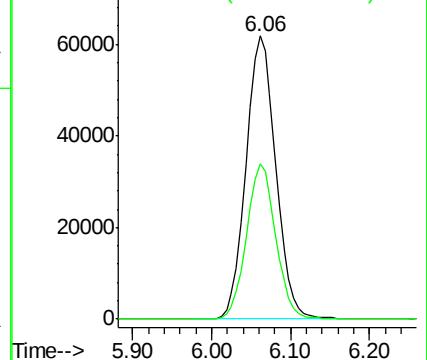
65 100

67 54.0 0.0 109.4



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008523.D

Acq: 28 Mar 2019 16:37

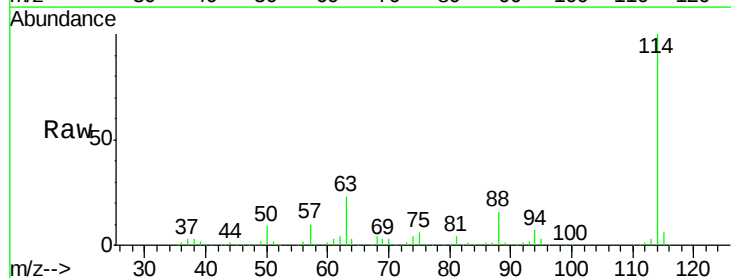
Tgt Ion: 114 Resp: 389246

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.4

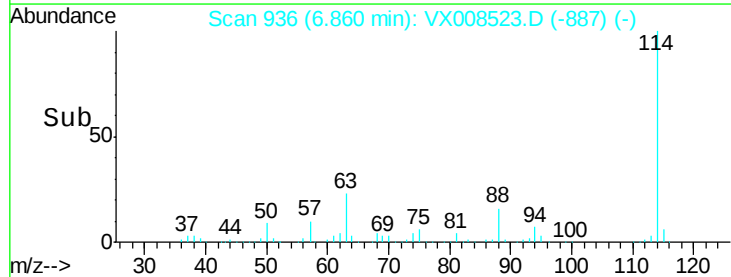
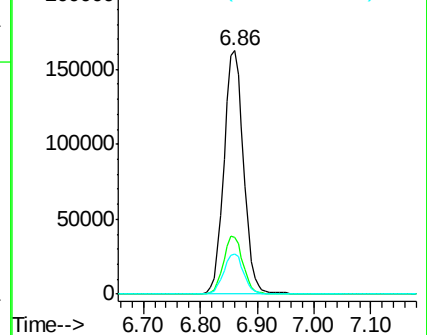
88 16.3 0.0 33.2

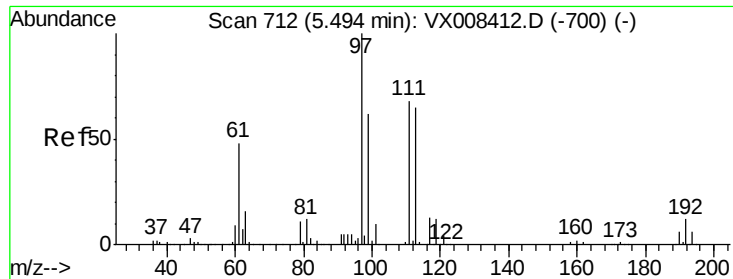


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

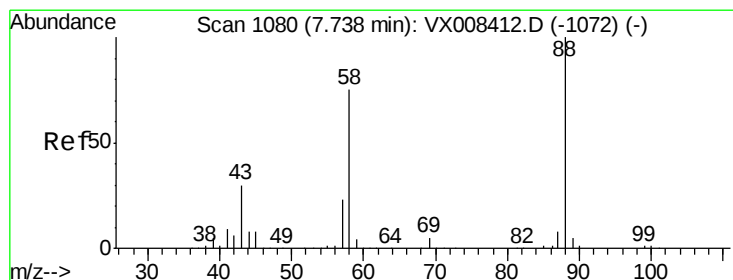
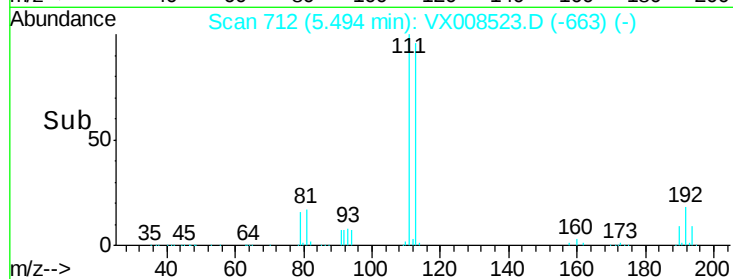
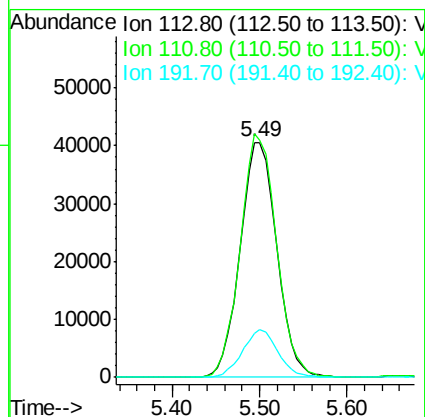
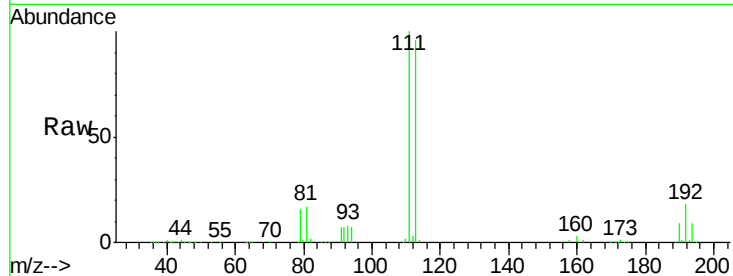




#35  
 Dibromofluoromethane  
 Concen: 46.675 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. -0.00 min  
 Lab File: VX008523.D  
 Acq: 28 Mar 2019 16:37

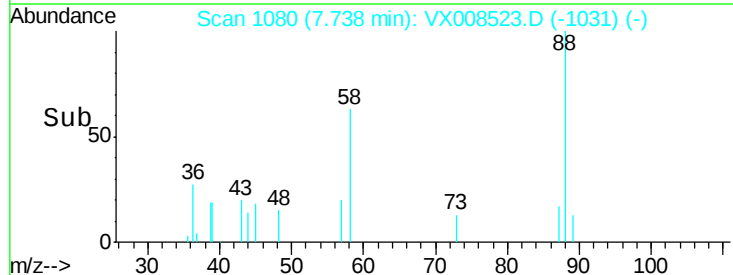
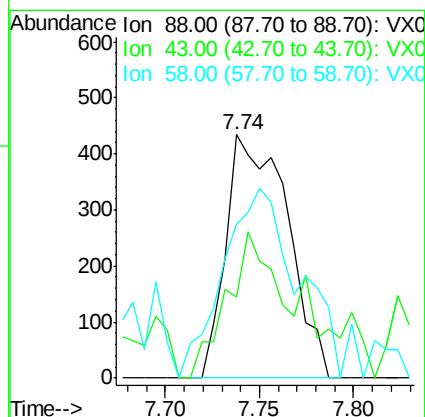
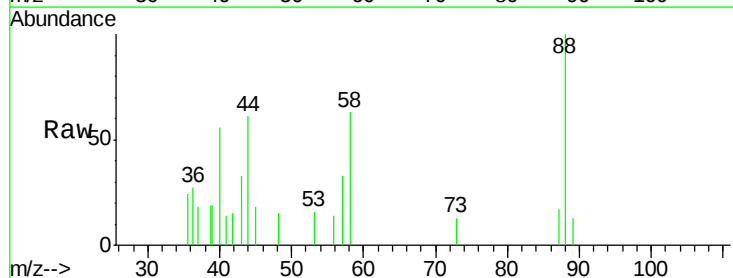
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 QNWP8-MW25D-GW

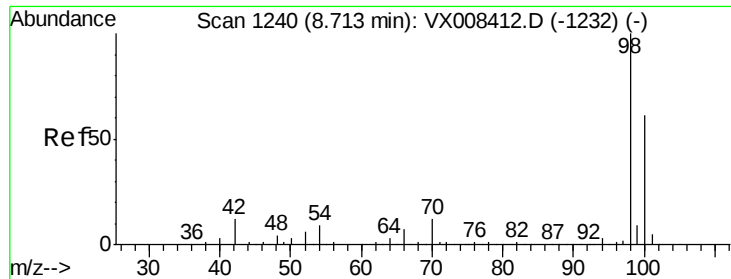
Tot Ion:113 Resp: 118465  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 83.0 124.4  
 192 19.6 15.6 23.4



#49  
 1,4-Dioxane  
 Concen: 11.419 ug/l  
 RT: 7.74 min Scan# 1080  
 Delta R.T. -0.00 min  
 Lab File: VX008523.D  
 Acq: 28 Mar 2019 16:37

Tgt Ion: 88 Resp: 977  
 Ion Ratio Lower Upper  
 88 100  
 43 65.5 28.6 43.0#  
 58 98.7 63.0 94.4#

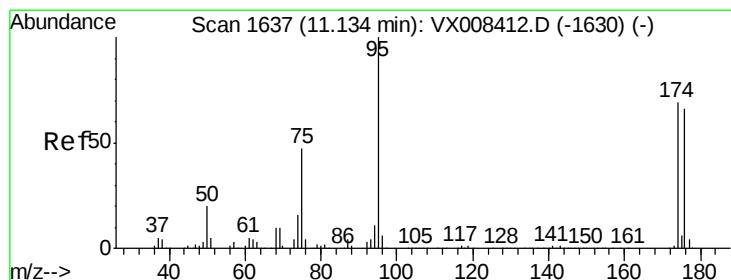
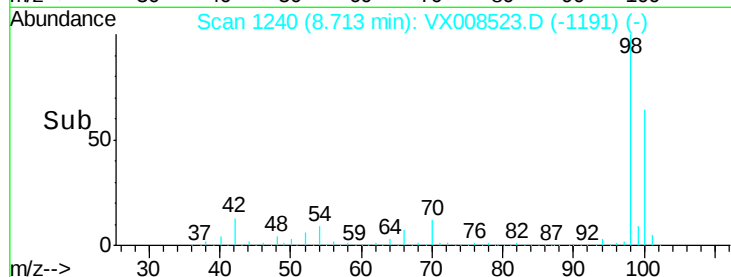
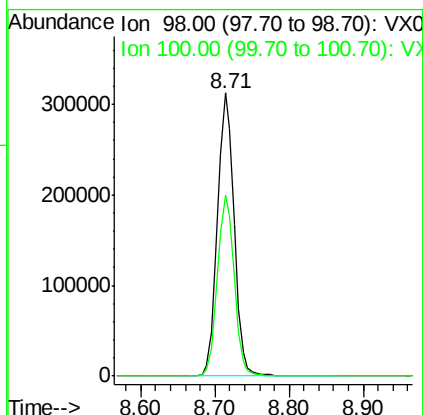
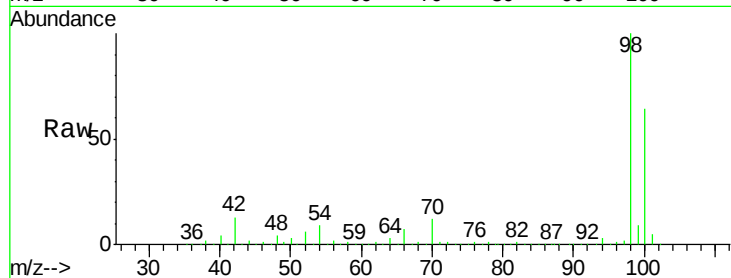




#50  
Toluene-d8  
Concen: 47.641 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX008523.D  
Acq: 28 Mar 2019 16:37

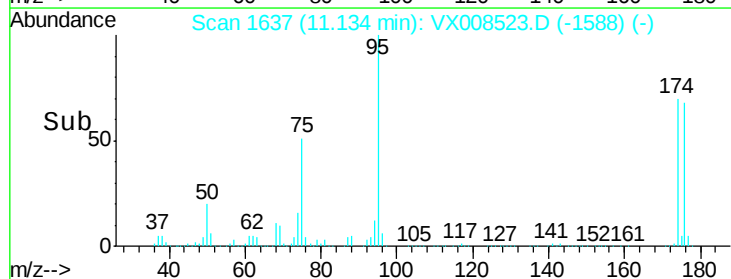
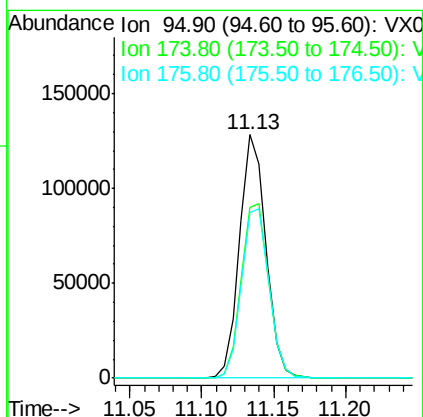
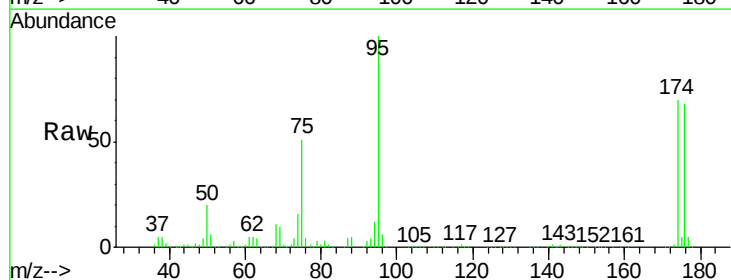
Instrument :  
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ClientSampleId :  
QNWP8-MW25D-GW

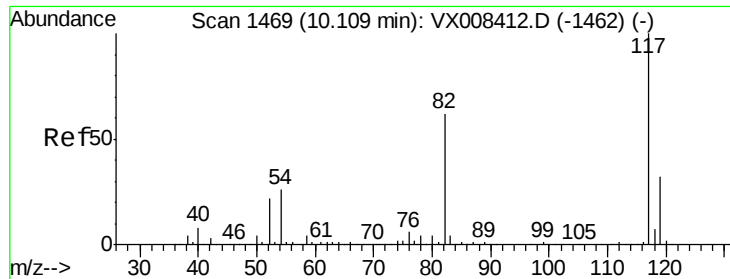
Tot Ion: 98 Resp: 483491  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.1 76.7



#62  
4-Bromofluorobenzene  
Concen: 43.494 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX008523.D  
Acq: 28 Mar 2019 16:37

Tgt Ion: 95 Resp: 163568  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 147.2  
176 72.5 0.0 142.4

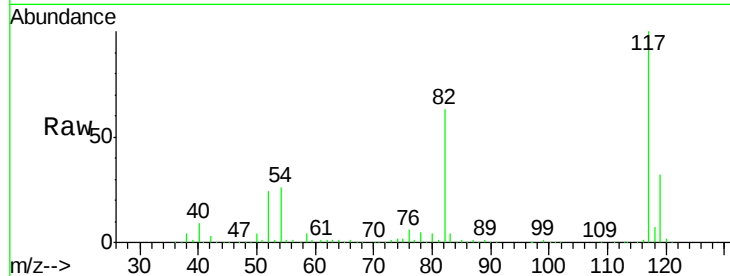




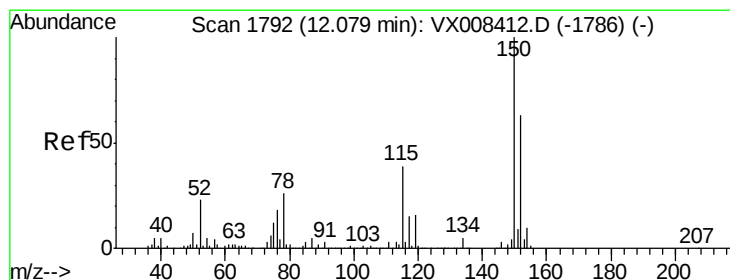
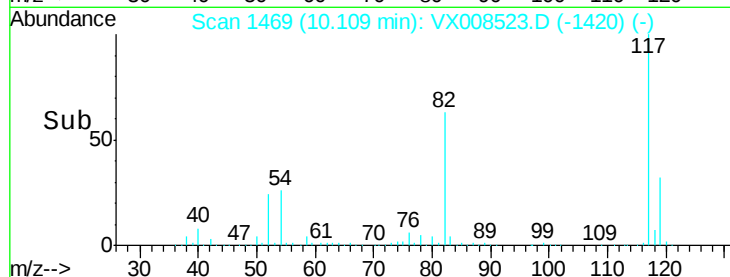
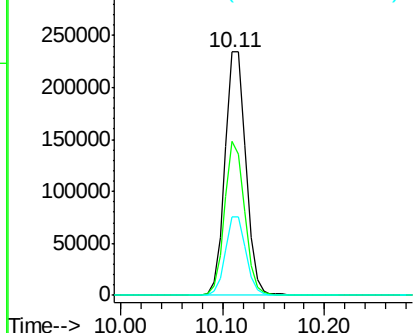
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX008523.D  
Acq: 28 Mar 2019 16:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
QNWP8-MW25D-GW

Tot Ion:117 Resp: 333018  
Ion Ratio Lower Upper  
117 100  
82 63.1 49.4 74.2  
119 32.0 25.4 38.0

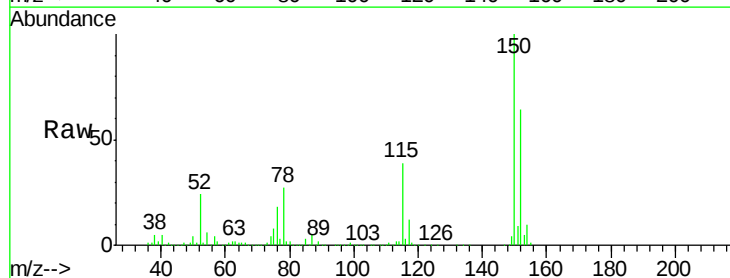


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

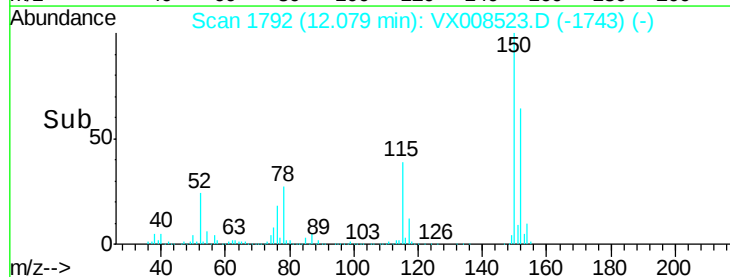
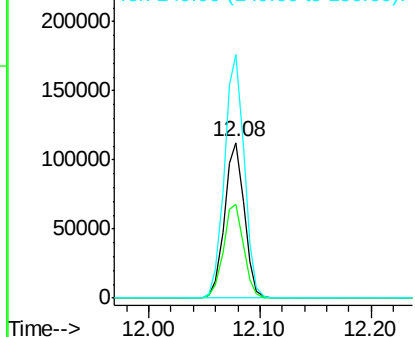


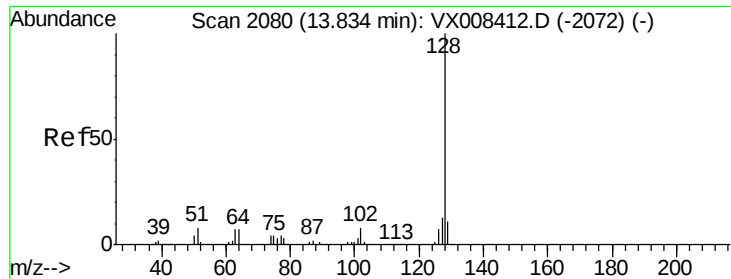
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX008523.D  
Acq: 28 Mar 2019 16:37

Tgt Ion:152 Resp: 137703  
Ion Ratio Lower Upper  
152 100  
115 61.9 43.5 130.5  
150 156.5 0.0 348.8



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





#95  
Naphthalene  
Concen: 0.871 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX008523.D  
Acq: 28 Mar 2019 16:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
QNWP8-MW25D-GW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.3  | 10.4  | 15.6  |
| 129     | 11.4  | 8.7   | 13.1  |

