

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\  
 Data File : VX010248.D  
 Acq On : 12 Jun 2019 14:14  
 Operator : JC/SP  
 Sample : K3309-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF017MW003-190610

Quant Time: Jun 13 02:07:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 02:12:13 2019  
 Response via : Initial Calibration

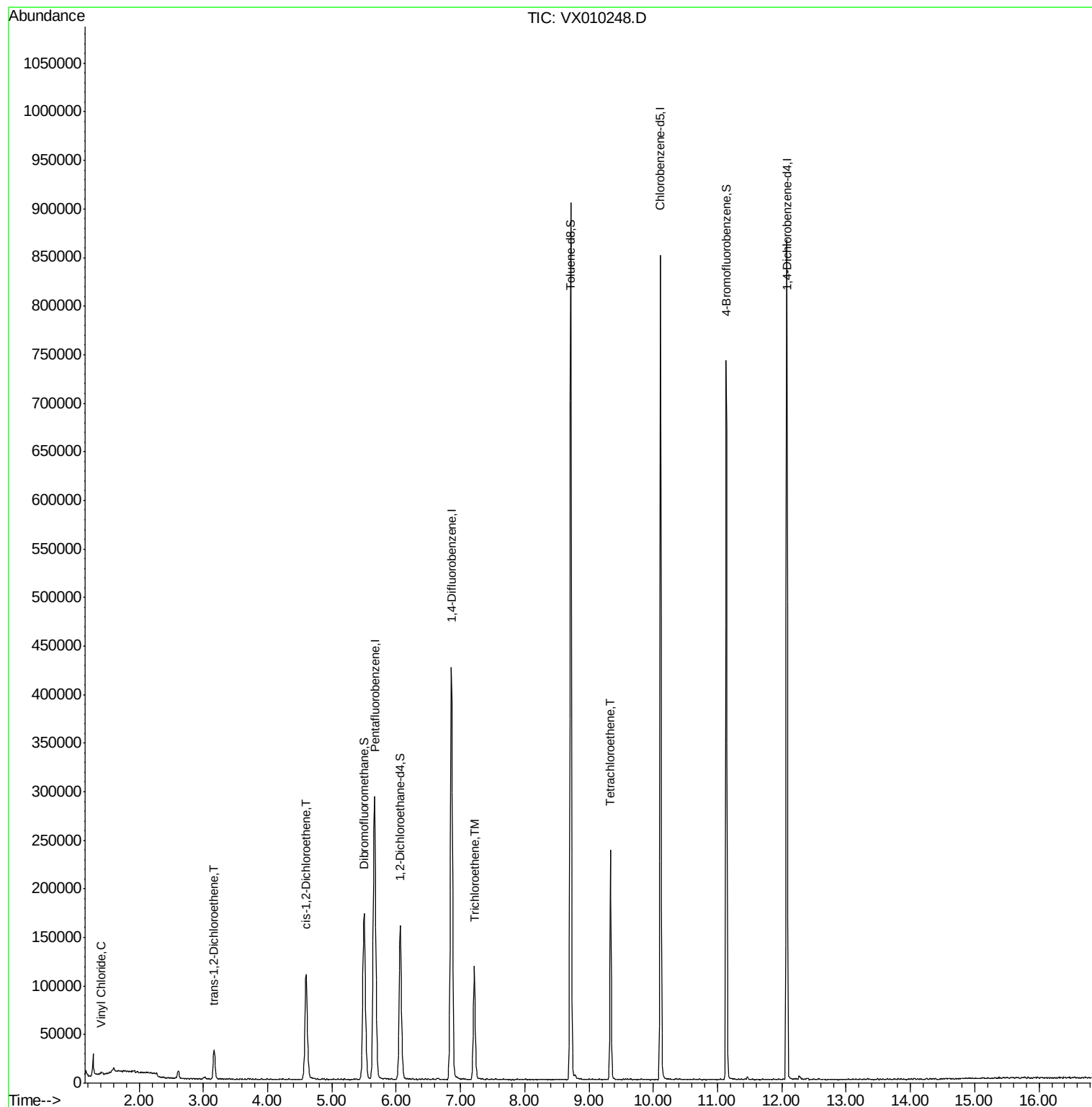
| Internal Standards           | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene        | 5.67  | 168  | 316123   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.86  | 114  | 474367   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 10.11 | 117  | 429039   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.08 | 152  | 199648   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds  |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4    | 6.06  | 65   | 141873   | 45.98  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 91.96%  |          |
| 35) Dibromofluoromethane     | 5.50  | 113  | 146571   | 50.09  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 100.18% |          |
| 50) Toluene-d8               | 8.71  | 98   | 558500   | 50.93  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 101.86% |          |
| 62) 4-Bromofluorobenzene     | 11.13 | 95   | 187531   | 45.79  | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =      | 91.58%  |          |
| Target Compounds             |       |      |          |        |         |          |
| 4) Vinyl Chloride            | 1.41  | 62   | 1471     | 0.542  | ug/l    | 96       |
| 21) trans-1,2-Dichloroethene | 3.17  | 96   | 13724    | 4.367  | ug/l #  | 76       |
| 27) cis-1,2-Dichloroethene   | 4.60  | 96   | 77388    | 22.138 | ug/l    | 68       |
| 44) Trichloroethene          | 7.21  | 130  | 46716    | 12.951 | ug/l    | 88       |
| 64) Tetrachloroethene        | 9.34  | 164  | 47713    | 14.973 | ug/l    | 94       |

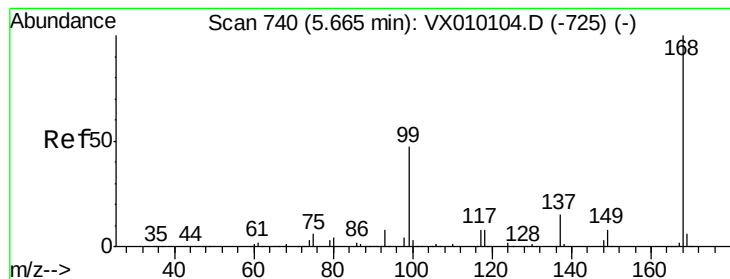
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061219\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 08 02:12:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

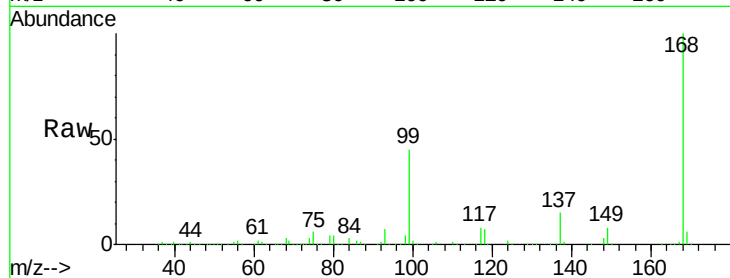
LF017MW003-190610

Tot Ion:168 Resp: 316123

Ion Ratio Lower Upper

168 100

99 45.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

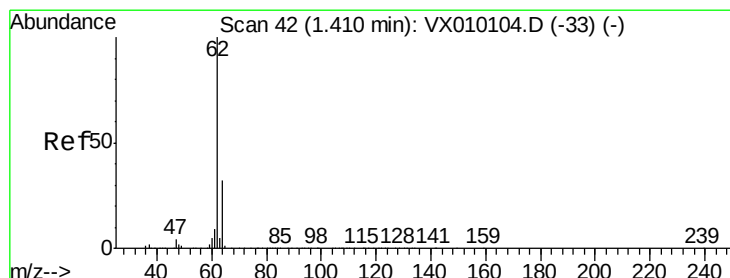
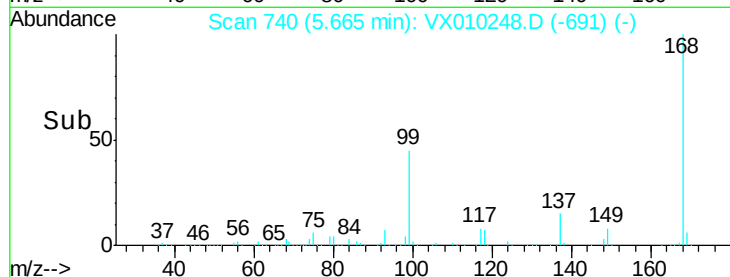
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.542 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010248.D

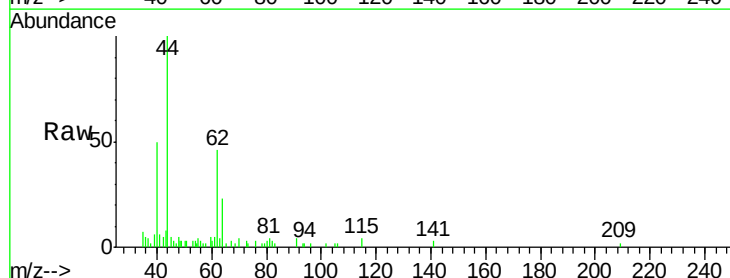
Acq: 12 Jun 2019 14:14

Tgt Ion: 62 Resp: 1471

Ion Ratio Lower Upper

62 100

64 34.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

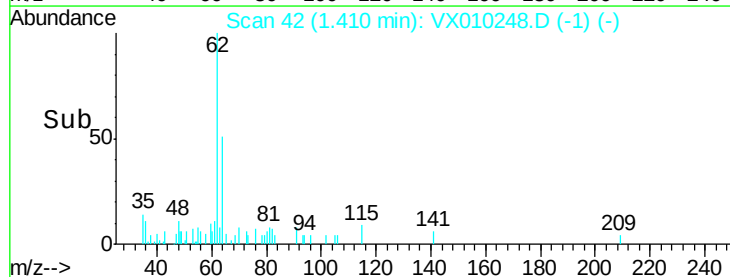
1500

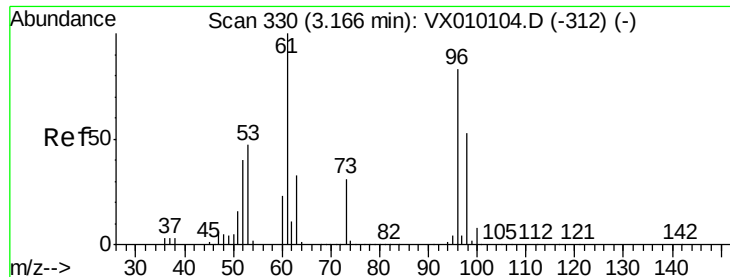
1000

500

0

Time--> 1.35 1.40 1.45





#21

trans-1,2-Dichloroethene

Concen: 4.367 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

LF017MW003-190610

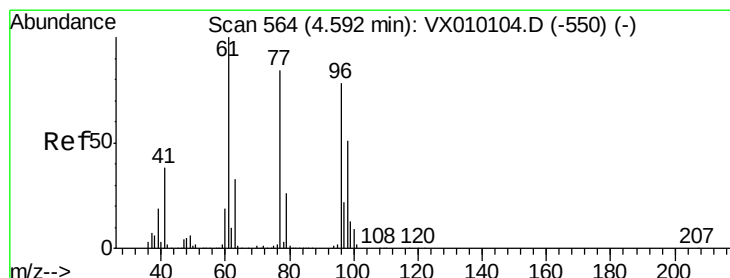
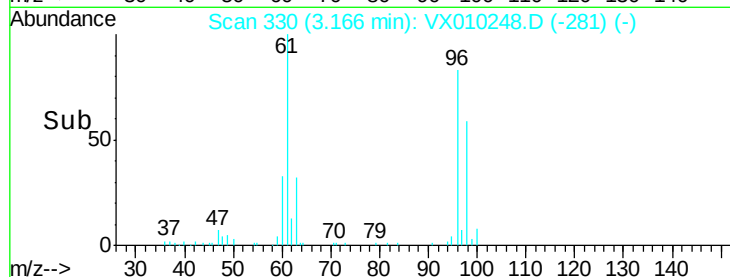
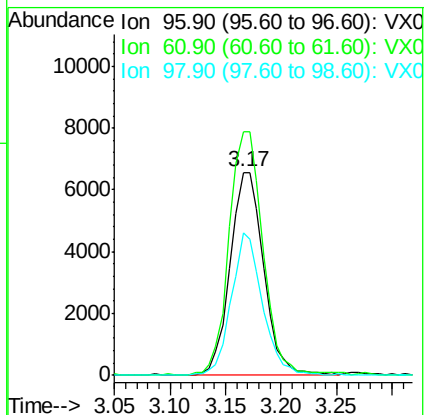
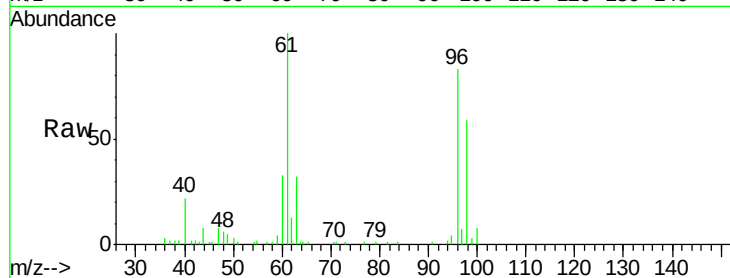
Tot Ion: 96 Resp: 13724

Ion Ratio Lower Upper

96 100

61 120.0 125.7 188.5#

98 70.4 49.0 73.6



#27

cis-1,2-Dichloroethene

Concen: 22.138 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

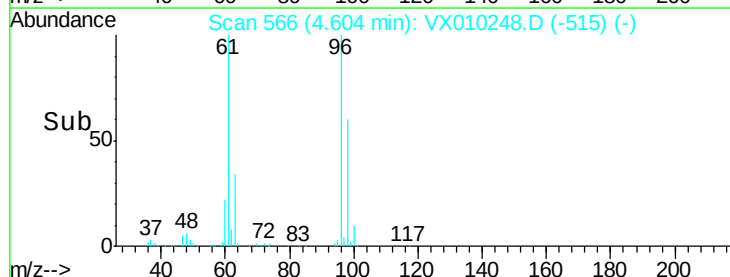
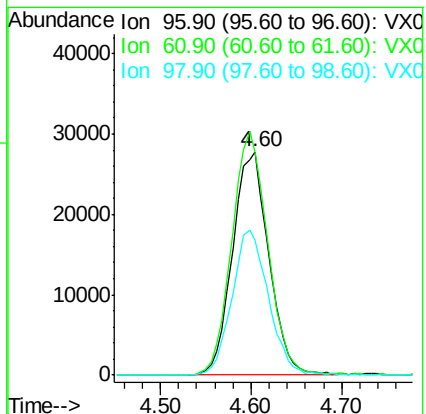
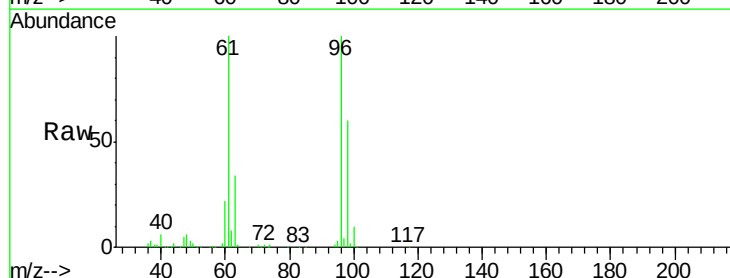
Tgt Ion: 96 Resp: 77388

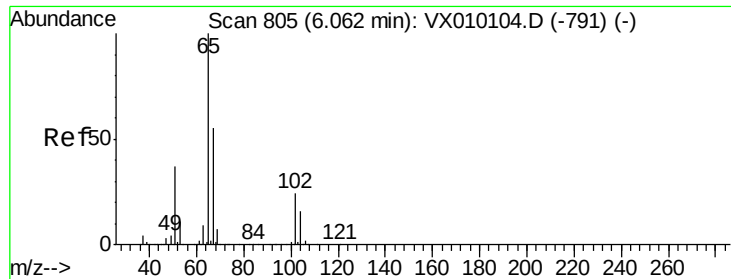
Ion Ratio Lower Upper

96 100

61 107.9 0.0 334.0

98 64.9 0.0 131.6

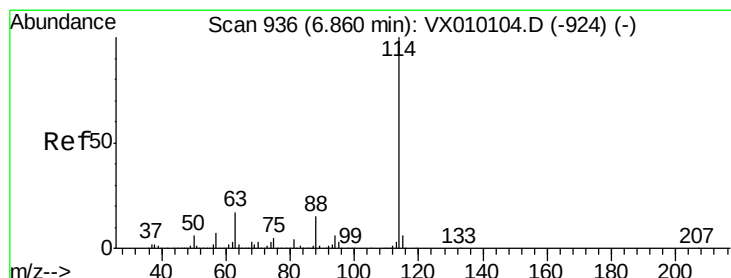
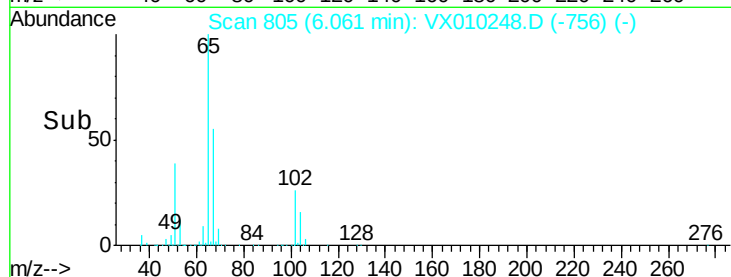
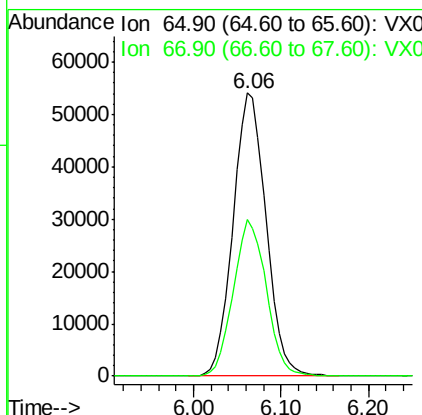
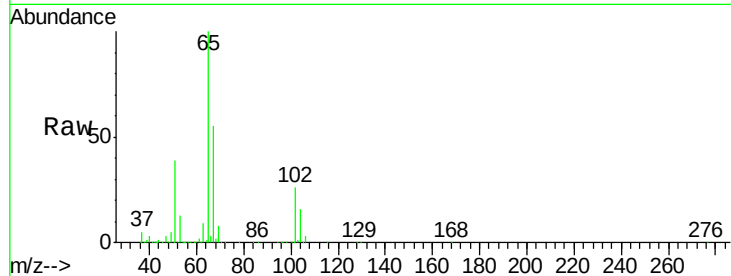




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.977 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX010248.D  
 Acq: 12 Jun 2019 14:14

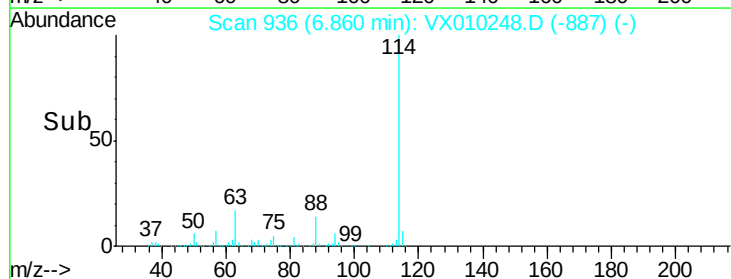
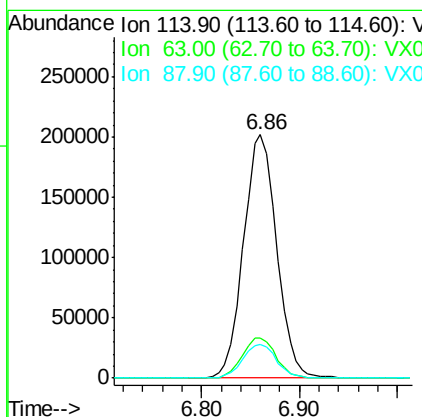
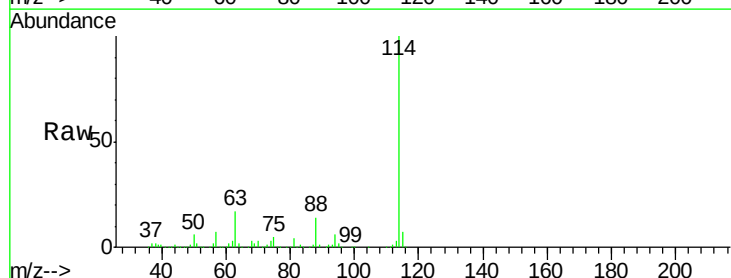
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF017MW003-190610

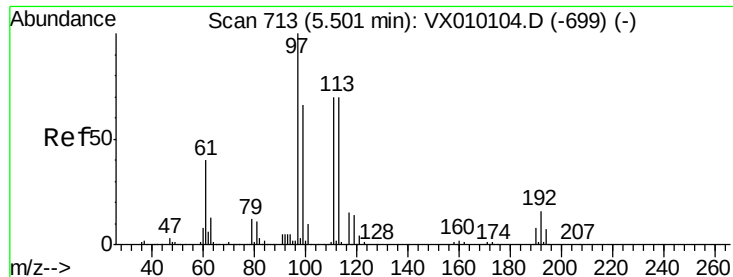
Tot Ion: 65 Resp: 141873  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX010248.D  
 Acq: 12 Jun 2019 14:14

Tgt Ion: 114 Resp: 474367  
 Ion Ratio Lower Upper  
 114 100  
 63 16.6 0.0 47.4  
 88 13.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.092 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

LF017MW003-190610

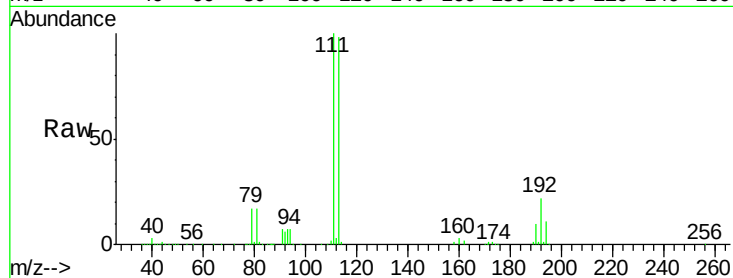
Tot Ion:113 Resp: 146571

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

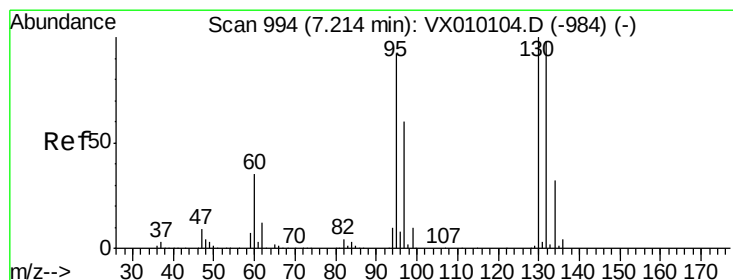
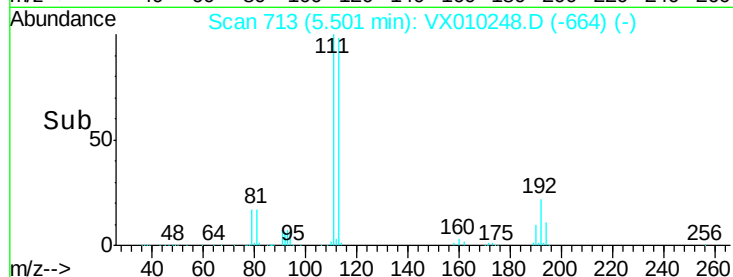
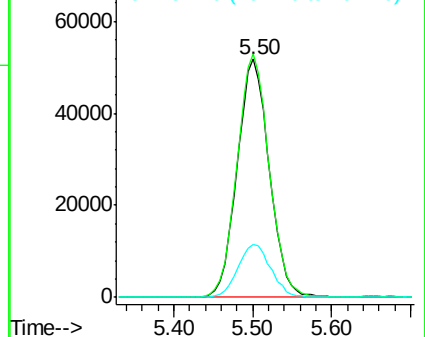
192 22.8 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#44

Trichloroethene

Concen: 12.951 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010248.D

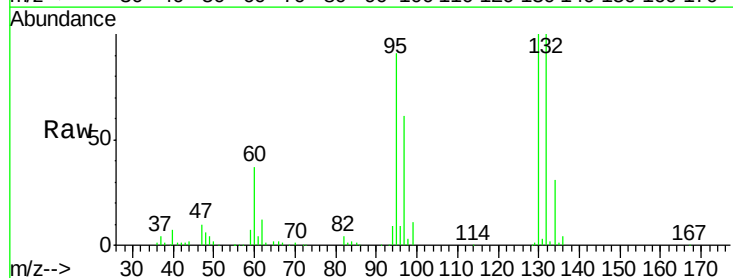
Acq: 12 Jun 2019 14:14

Tgt Ion:130 Resp: 46716

Ion Ratio Lower Upper

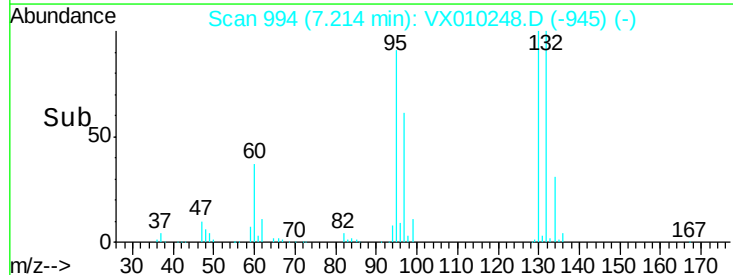
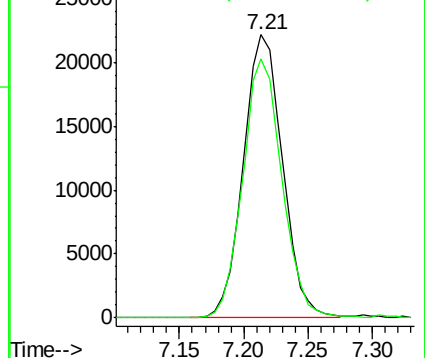
130 100

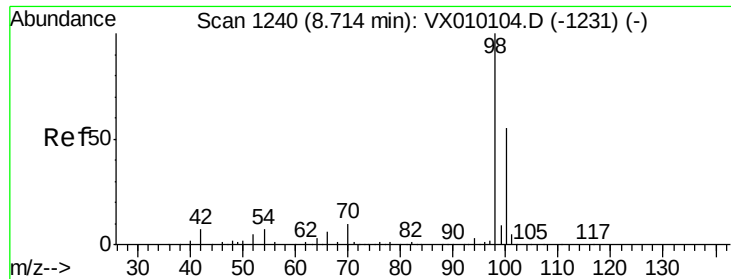
95 91.2 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

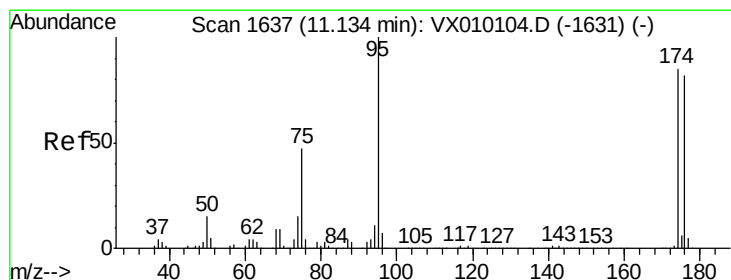
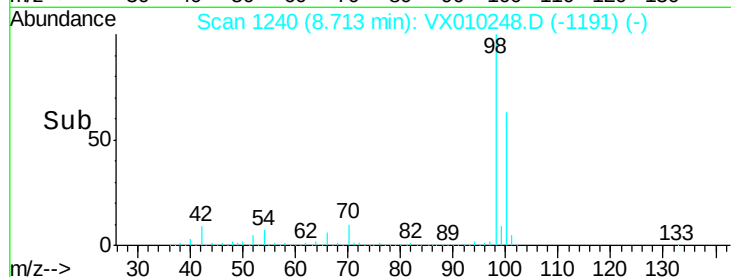
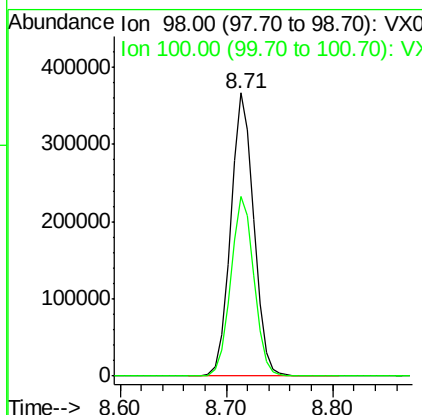
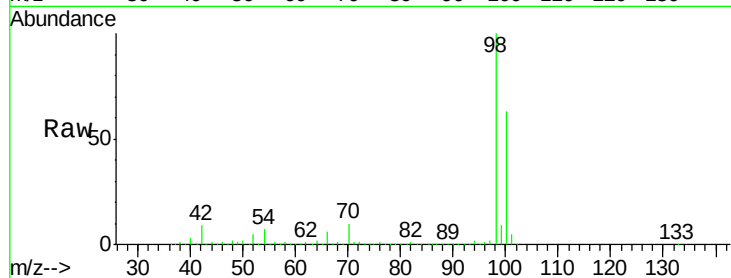




#50  
Toluene-d8  
Concen: 50.929 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010248.D  
Acq: 12 Jun 2019 14:14

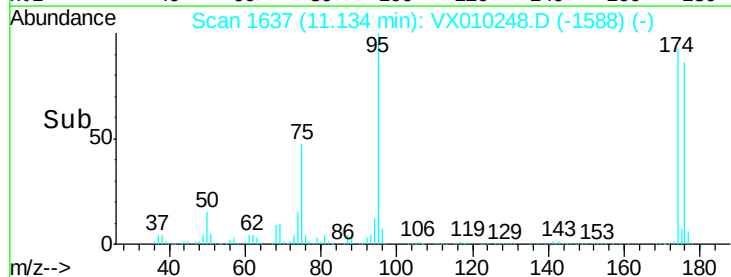
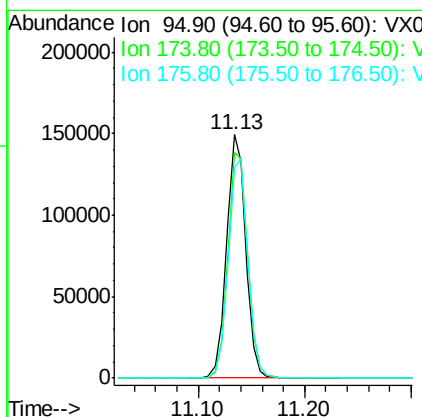
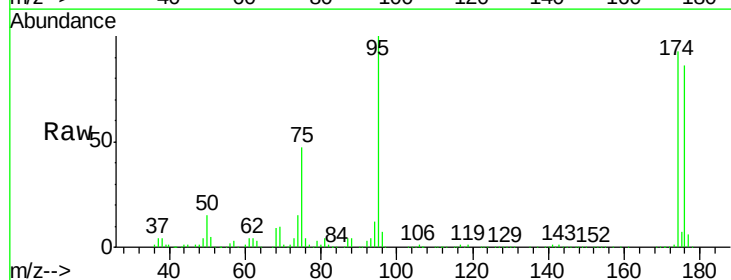
Instrument :  
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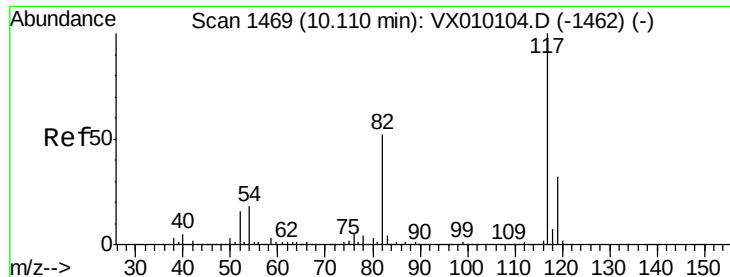
Tot Ion: 98 Resp: 558500  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 45.790 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX010248.D  
Acq: 12 Jun 2019 14:14

Tgt Ion: 95 Resp: 187531  
Ion Ratio Lower Upper  
95 100  
174 96.5 0.0 160.4  
176 92.5 0.0 154.6

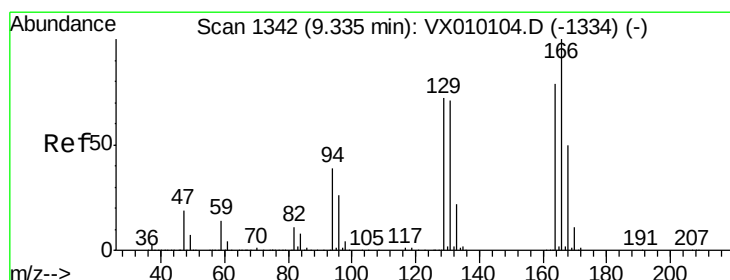
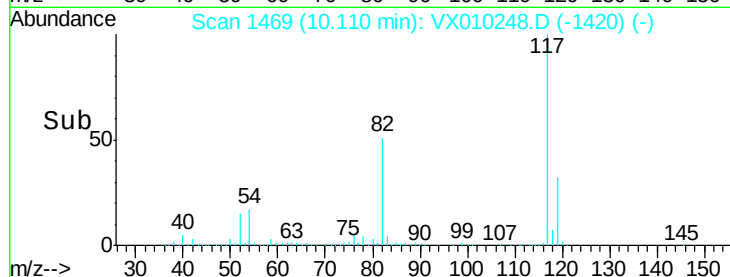
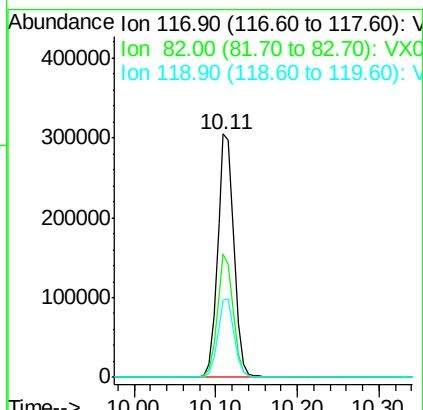
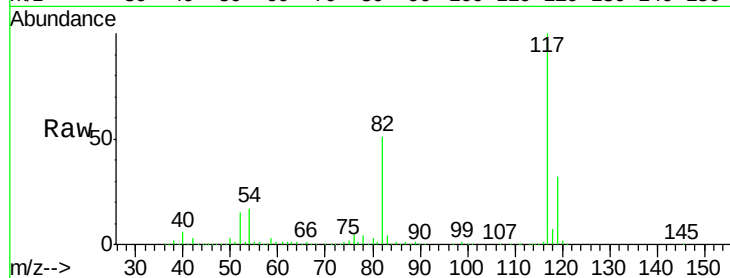




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX010248.D  
Acq: 12 Jun 2019 14:14

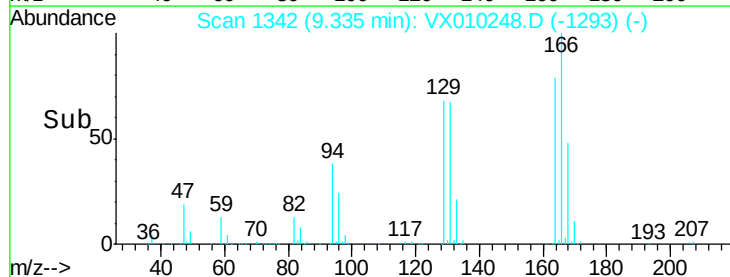
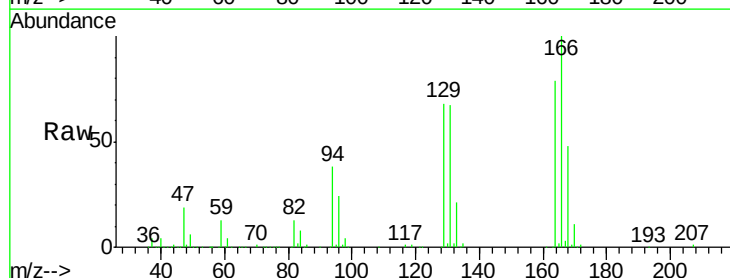
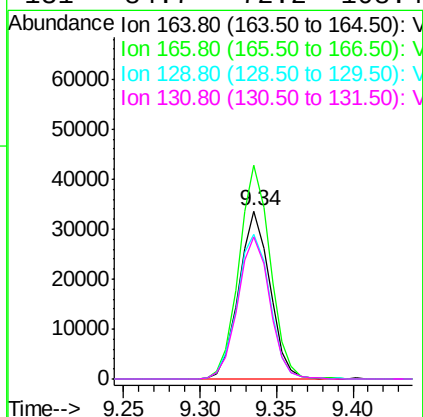
Instrument :  
MSVOA\_X  
ClientSampleId :  
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Tot Ion:117 Resp: 429039  
Ion Ratio Lower Upper  
117 100  
82 50.7 49.2 73.8  
119 31.8 25.2 37.8

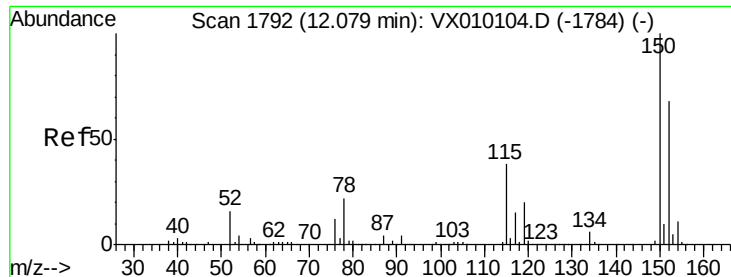


#64  
Tetrachloroethene  
Concen: 14.973 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX010248.D  
Acq: 12 Jun 2019 14:14

Tgt Ion:164 Resp: 47713  
Ion Ratio Lower Upper  
164 100  
166 126.9 105.0 157.4  
129 86.0 75.1 112.7  
131 84.7 72.2 108.4







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010248.D

Acq: 12 Jun 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

LF017MW003-190610

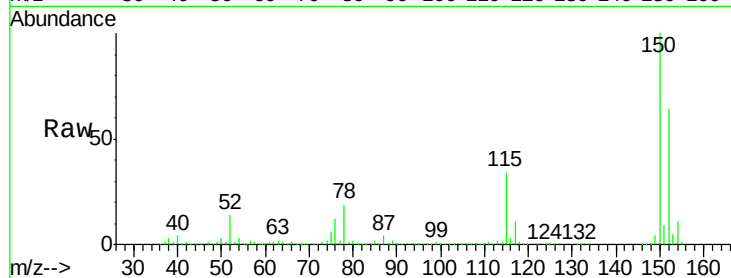
Tot Ion:152 Resp: 199648

Ion Ratio Lower Upper

152 100

115 54.2 41.4 124.2

150 157.0 0.0 345.2



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

