

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\  
 Data File : VX010183.D  
 Acq On : 10 Jun 2019 17:19  
 Operator : JC/SP  
 Sample : K3257-05DL 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D3-20190606DL

Quant Time: Jun 11 07:33:26 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

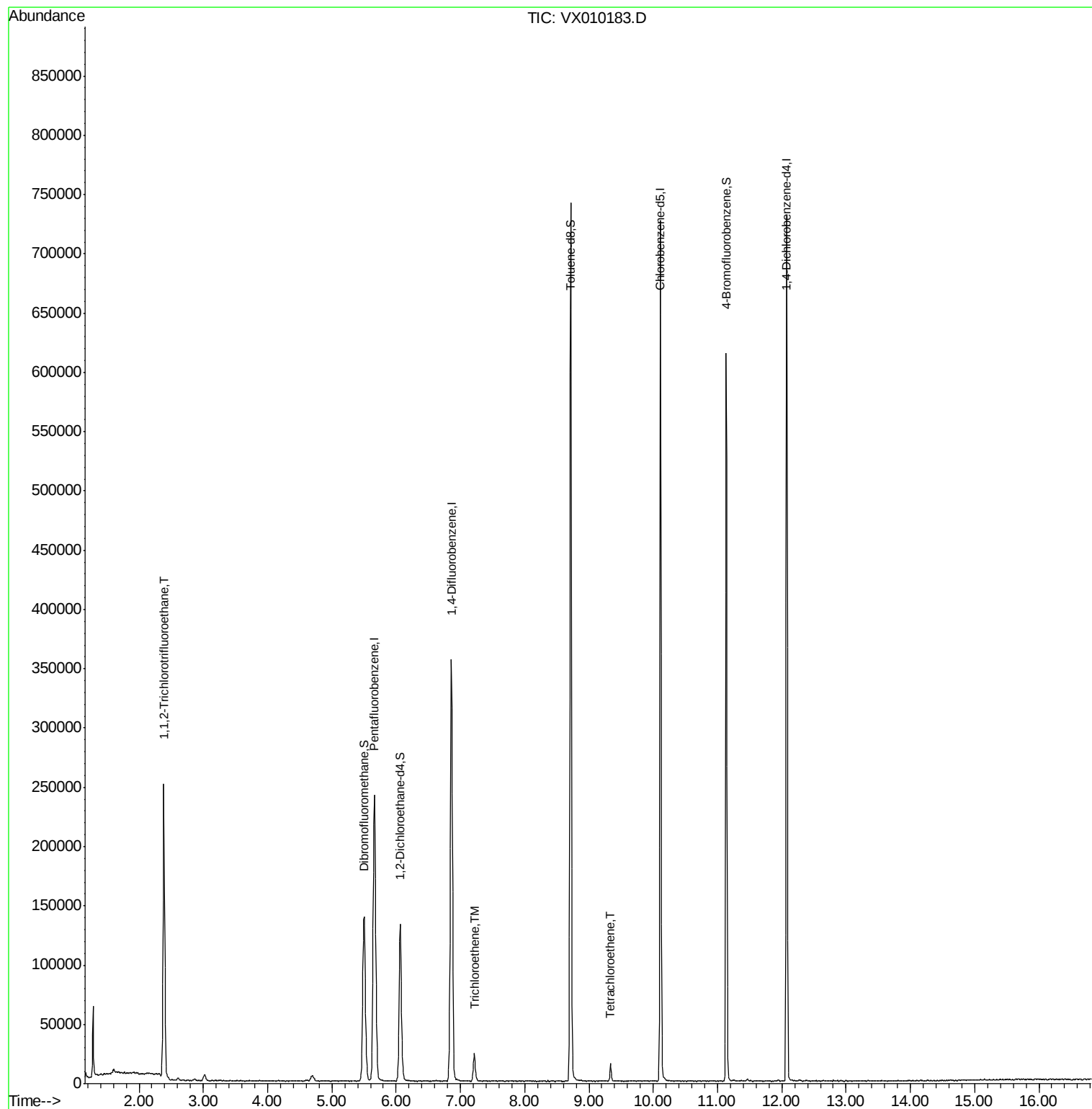
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene         | 5.67  | 168  | 262480   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.86  | 114  | 399163   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 10.11 | 117  | 353440   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.08 | 152  | 162877   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4     | 6.06  | 65   | 118151   | 46.11  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 92.22%  |          |
| 35) Dibromofluoromethane      | 5.50  | 113  | 122049   | 49.57  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 99.14%  |          |
| 50) Toluene-d8                | 8.71  | 98   | 462928   | 50.17  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 100.34% |          |
| 62) 4-Bromofluorobenzene      | 11.13 | 95   | 156640   | 45.45  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 90.90%  |          |
| Target Compounds              |       |      |          |        |         |          |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39  | 101  | 98489    | 42.668 | ug/l    | 90       |
| 44) Trichloroethene           | 7.21  | 130  | 9435     | 3.108  | ug/l    | 90       |
| 64) Tetrachloroethene         | 9.34  | 164  | 2804     | 1.068  | ug/l    | 91       |

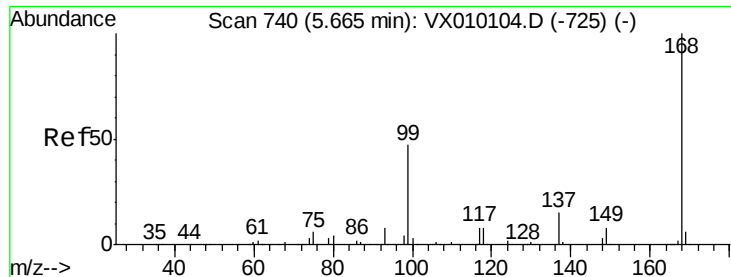
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061019\  
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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: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA\_X

ClientSampleId :

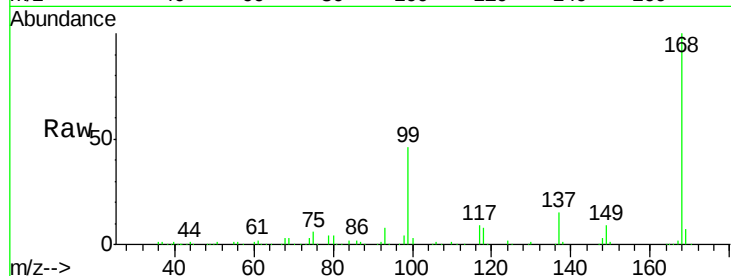
RE131D3-20190606DL

Tot Ion:168 Resp: 262480

Ion Ratio Lower Upper

168 100

99 45.6 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

100000

80000

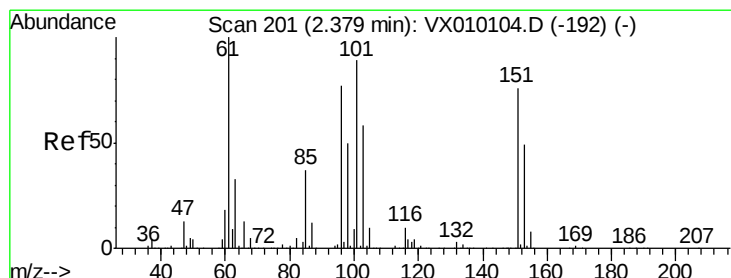
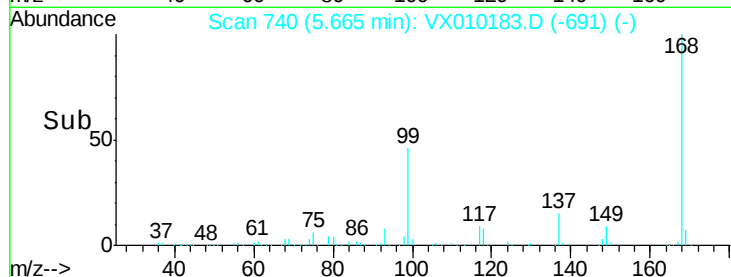
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.668 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

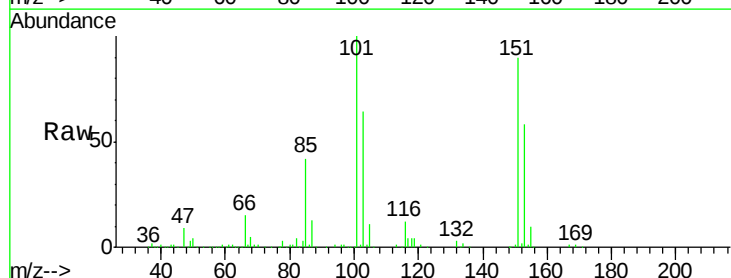
Tgt Ion:101 Resp: 98489

Ion Ratio Lower Upper

101 100

85 41.5 35.2 52.8

151 88.6 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.39

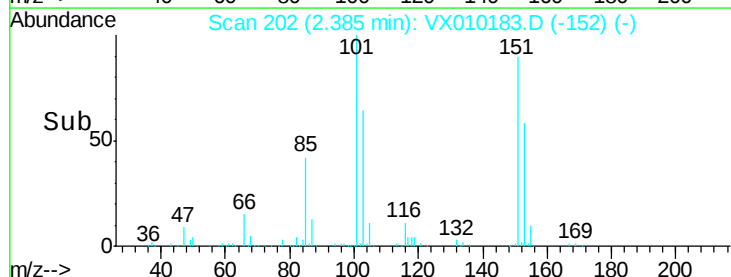
60000

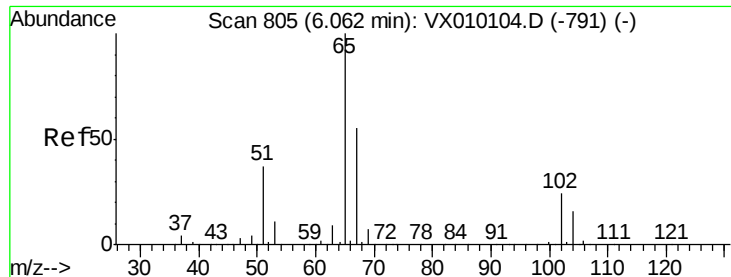
40000

20000

0

Time--> 2.30 2.40 2.50





#33

1,2-Dichloroethane-d4

Concen: 46.115 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA\_X

ClientSampleId :

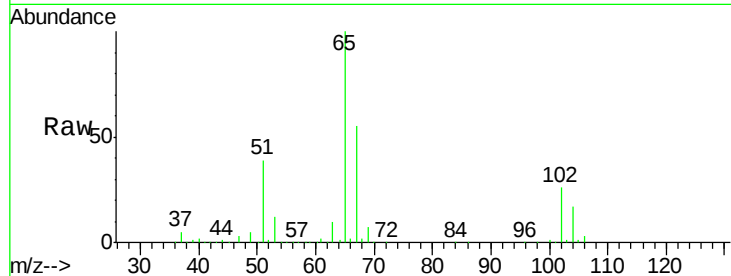
RE131D3-20190606DL

Tot Ion: 65 Resp: 118151

Ion Ratio Lower Upper

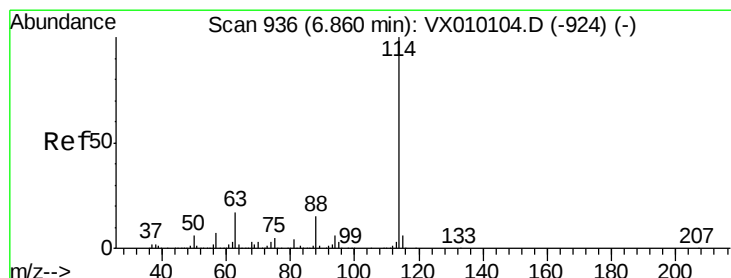
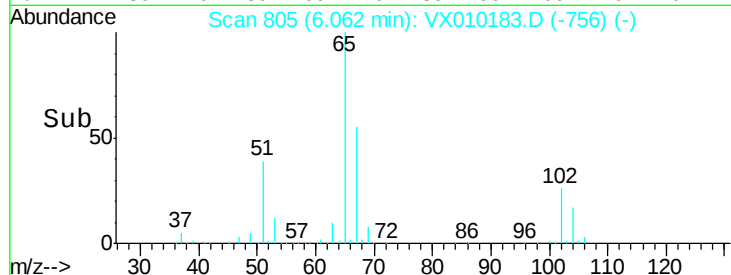
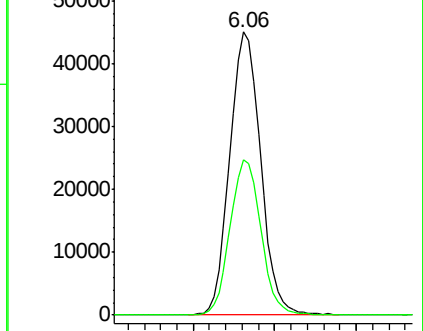
65 100

67 54.8 0.0 108.4



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: VX010183.D

Acq: 10 Jun 2019 17:19

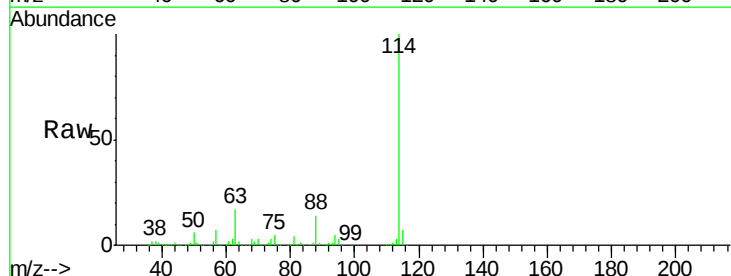
Tgt Ion: 114 Resp: 399163

Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

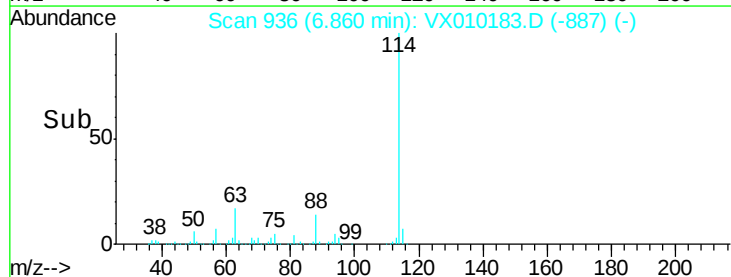
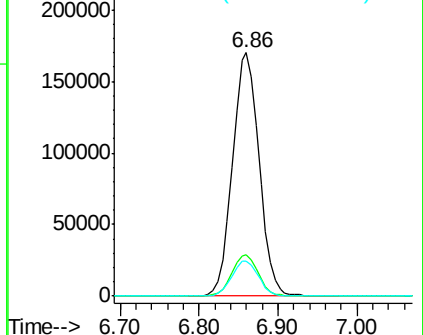
88 14.2 0.0 33.0

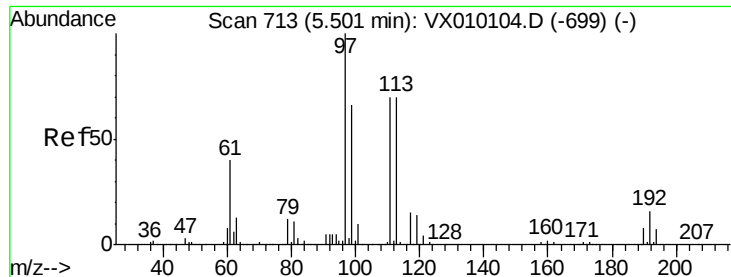


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

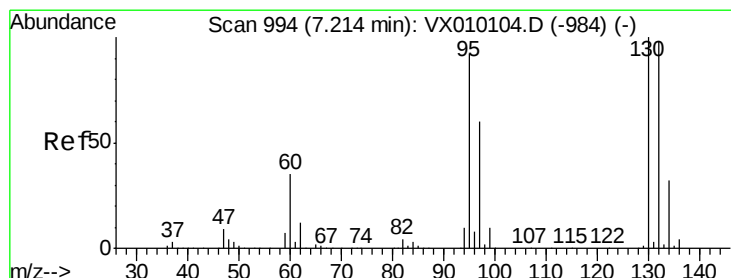
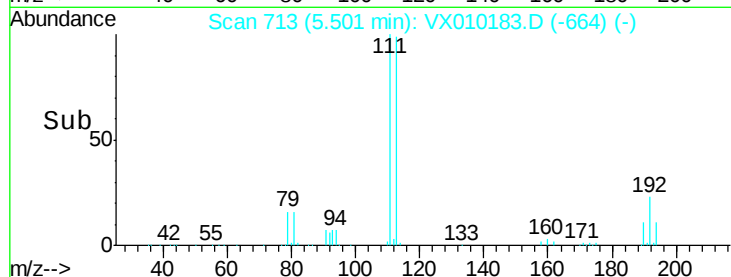
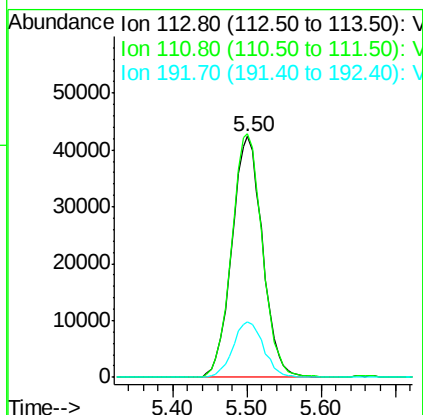
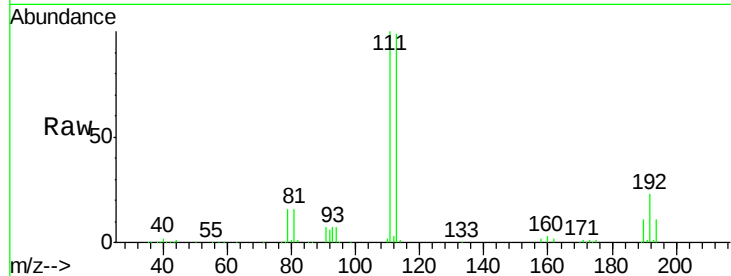




#35  
Dibromofluoromethane  
Concen: 49.570 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.00 min  
Lab File: VX010183.D  
Acq: 10 Jun 2019 17:19

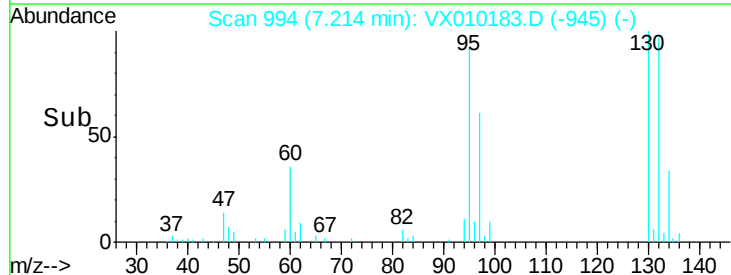
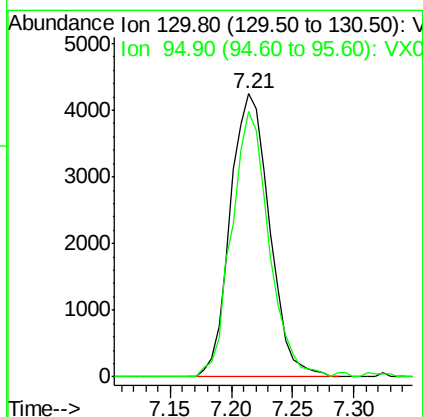
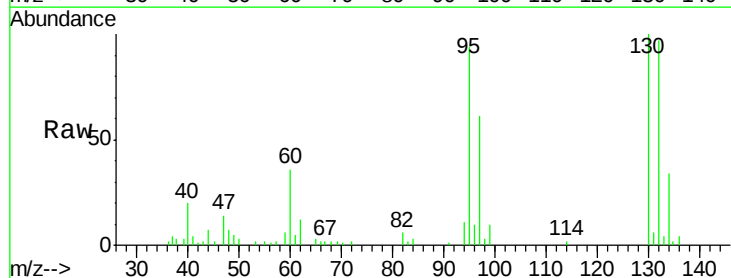
Instrument :  
MSVOA\_X  
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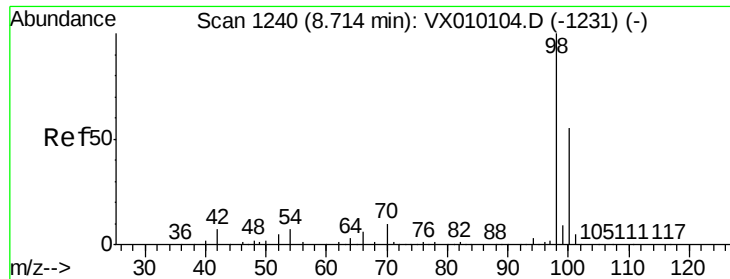
Tot Ion:113 Resp: 122049  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.2 123.2  
192 23.2 17.1 25.7



#44  
Trichloroethene  
Concen: 3.108 ug/l  
RT: 7.21 min Scan# 994  
Delta R.T. 0.00 min  
Lab File: VX010183.D  
Acq: 10 Jun 2019 17:19

Tgt Ion:130 Resp: 9435  
Ion Ratio Lower Upper  
130 100  
95 93.8 0.0 207.4

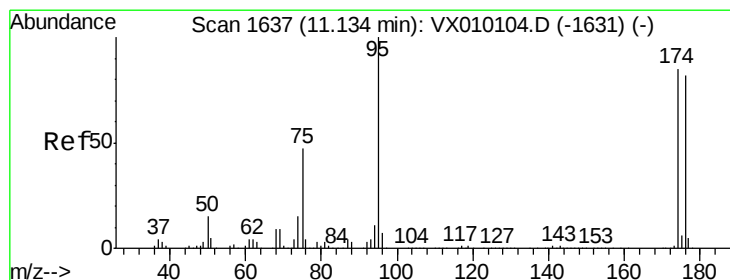
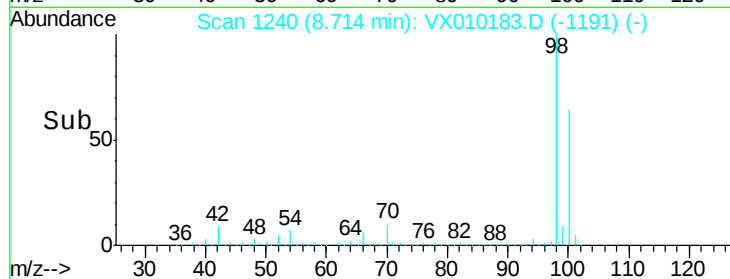
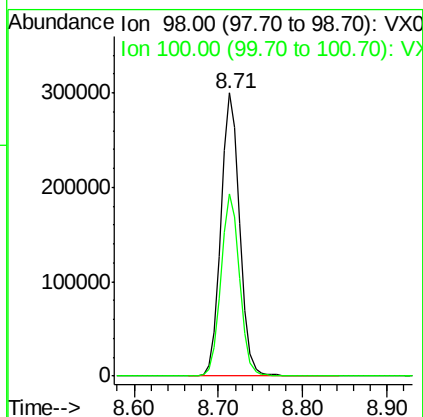
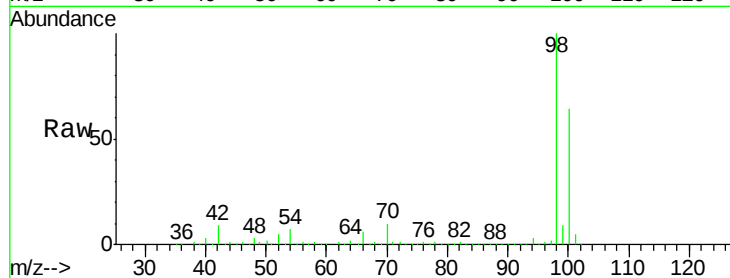




#50  
Toluene-d8  
Concen: 50.167 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010183.D  
Acq: 10 Jun 2019 17:19

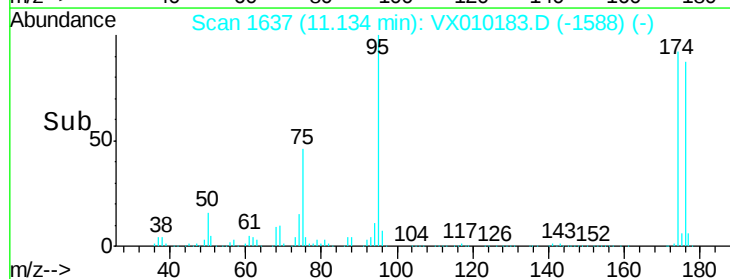
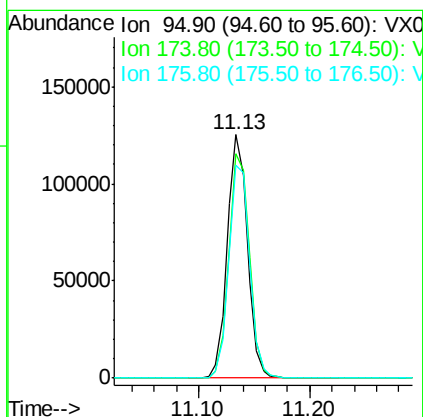
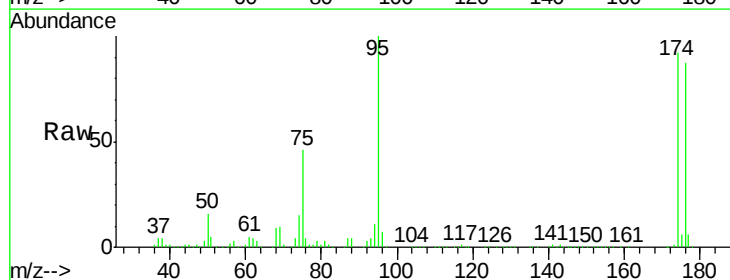
Instrument :  
MSVOA\_X  
ClientSampleId :  
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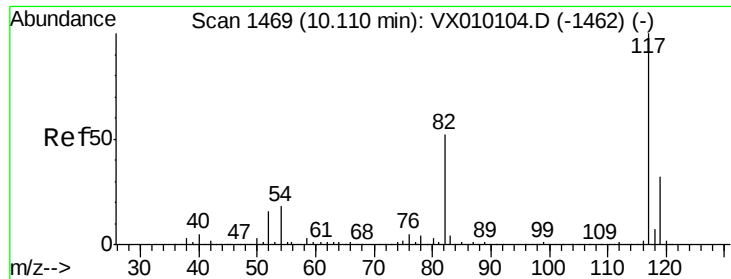
Tot Ion: 98 Resp: 462928  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 45.453 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX010183.D  
Acq: 10 Jun 2019 17:19

Tgt Ion: 95 Resp: 156640  
Ion Ratio Lower Upper  
95 100  
174 94.7 0.0 160.4  
176 91.2 0.0 154.6

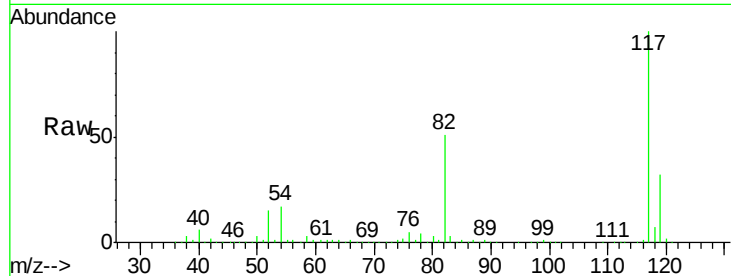




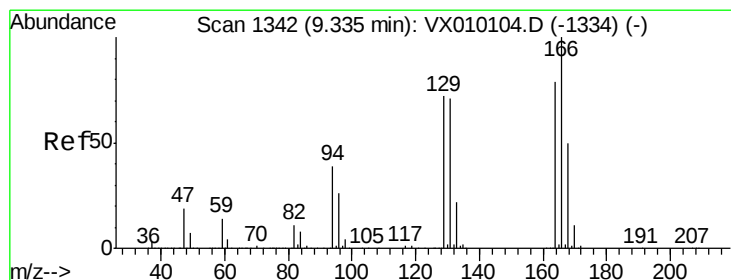
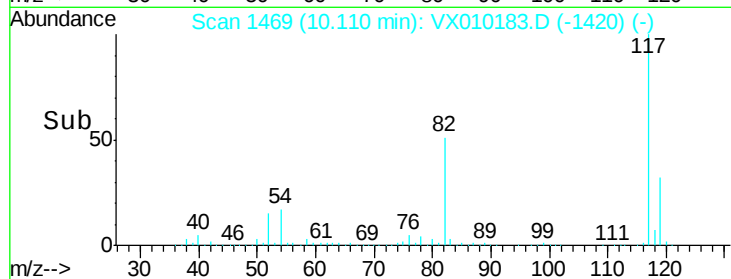
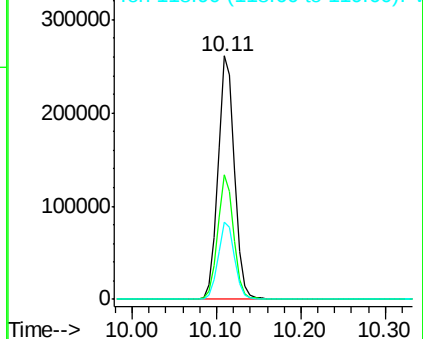
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010183.D  
Acq: 10 Jun 2019 17:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D3-20190606DL

Tot Ion:117 Resp: 353440  
Ion Ratio Lower Upper  
117 100  
82 51.1 49.2 73.8  
119 31.7 25.2 37.8

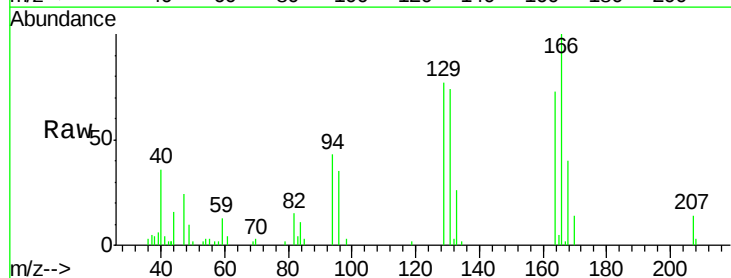


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

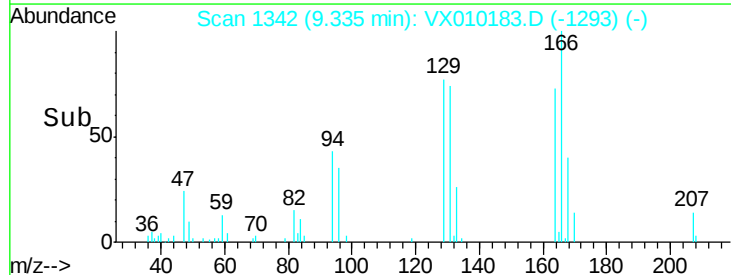
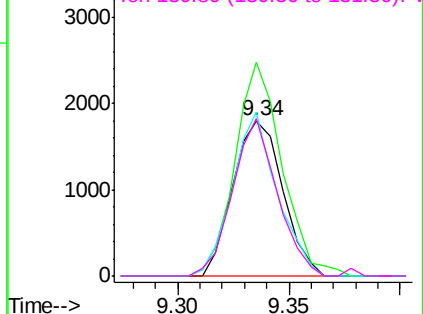


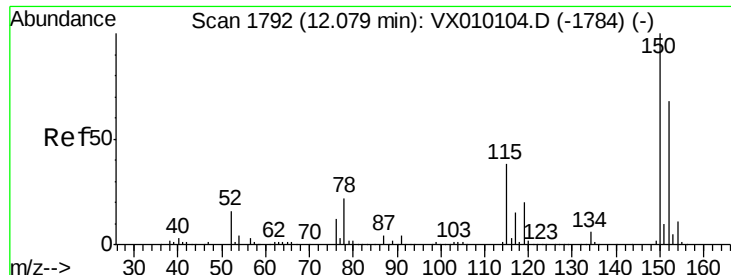
#64  
Tetrachloroethene  
Concen: 1.068 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX010183.D  
Acq: 10 Jun 2019 17:19

Tgt Ion:164 Resp: 2804  
Ion Ratio Lower Upper  
164 100  
166 137.8 105.0 157.4  
129 105.5 75.1 112.7  
131 101.3 72.2 108.4



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): 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: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA\_X

ClientSampleId :

RE131D3-20190606DL

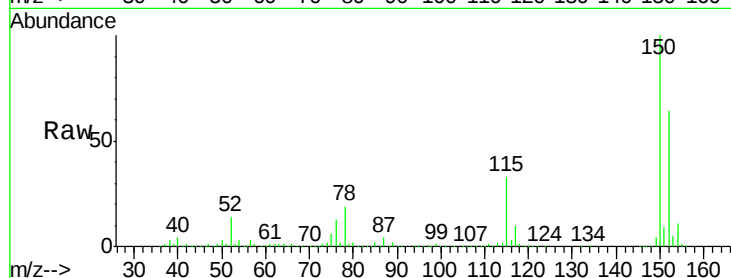
Tot Ion:152 Resp: 162877

Ion Ratio Lower Upper

152 100

115 53.8 41.4 124.2

150 156.4 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

