

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012619\  
 Data File : VX007254.D  
 Acq On : 26 Jan 2019 02:27  
 Operator : JC/SP  
 Sample : K1238-50  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S5

Quant Time: Jan 28 02:32:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 533130   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 831121   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 799361   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 385700   | 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   | 288022   | 51.69 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.38% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 256280   | 48.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.30%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1012429  | 51.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.94% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 361205   | 53.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.36% |          |

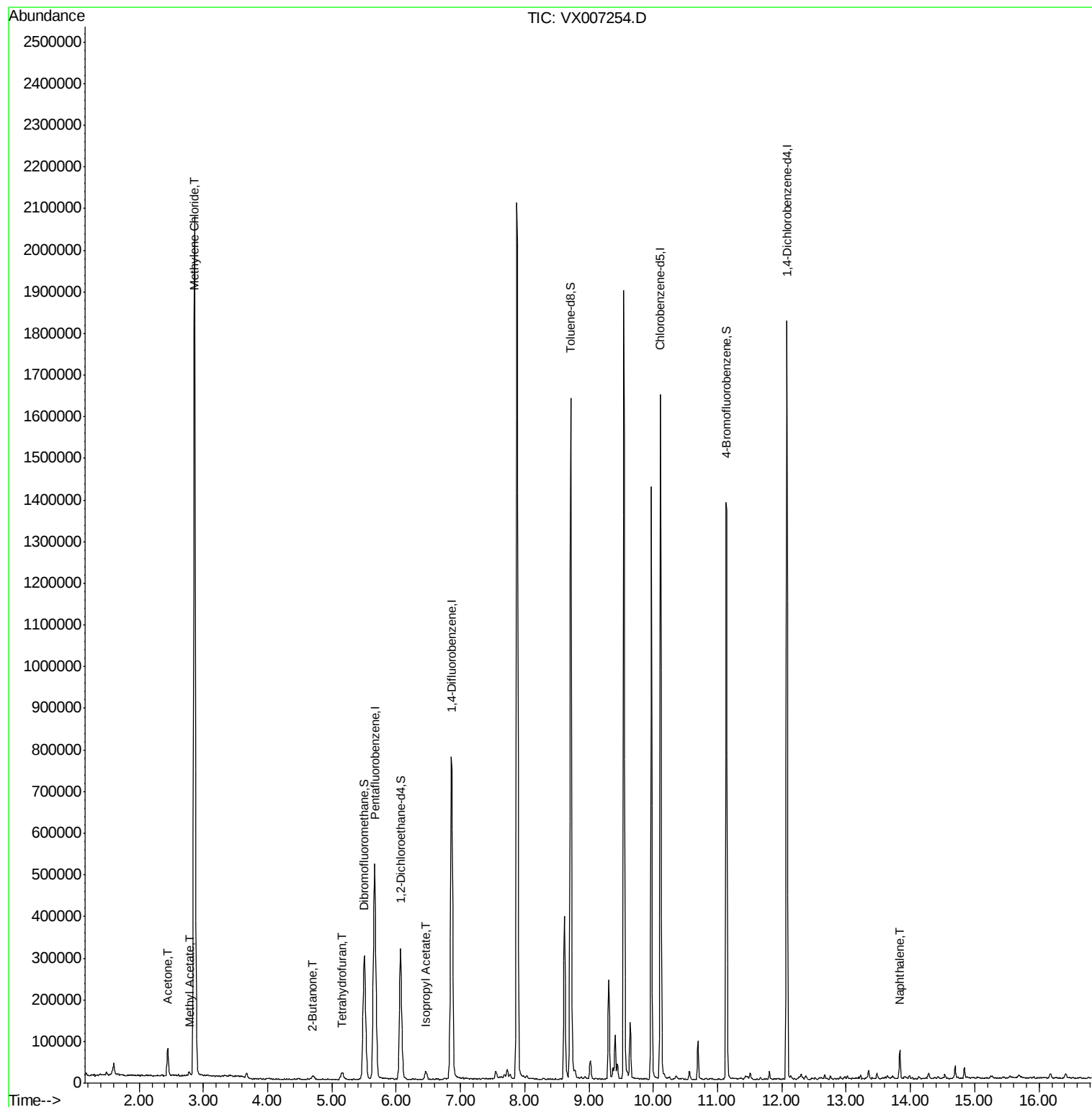
| Target Compounds       | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|------------------------|-------|------|----------|---------|--------|--------|
| 16) Acetone            | 2.45  | 43   | 69839    | 25.355  | ug/l   | 98     |
| 18) Methyl Acetate     | 2.78  | 43   | 13670    | 1.714   | ug/l # | 89     |
| 20) Methylene Chloride | 2.86  | 84   | 945963   | 182.057 | ug/l   | 94     |
| 25) 2-Butanone         | 4.70  | 43   | 15392    | 3.905   | ug/l   | 94     |
| 29) Tetrahydrofuran    | 5.16  | 42   | 16340    | 6.380   | ug/l   | 97     |
| 43) Isopropyl Acetate  | 6.46  | 43   | 24008    | 1.965   | ug/l   | 94     |
| 95) Naphthalene        | 13.83 | 128  | 44030    | 1.584   | ug/l   | 97     |

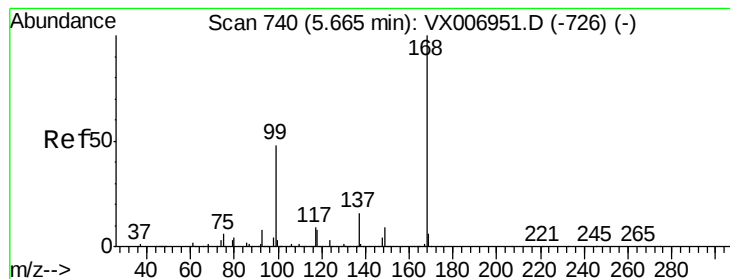
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012619\  
Data File : VX007254.D  
Acq On : 26 Jan 2019 02:27  
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Instrument :  
MSVOA\_X  
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S5

Quant Time: Jan 28 02:32:09 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 08 14:06:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

Instrument :

MSVOA\_X

ClientSampled :

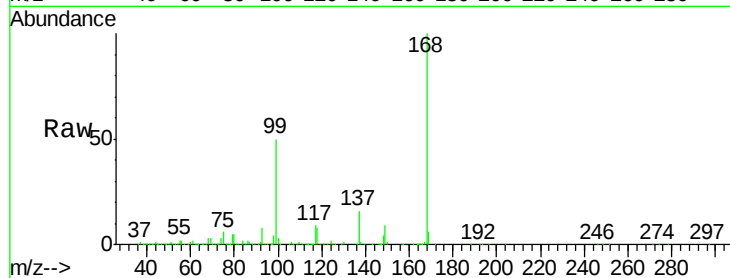
S5

Tot Ion:168 Resp: 533130

Ion Ratio Lower Upper

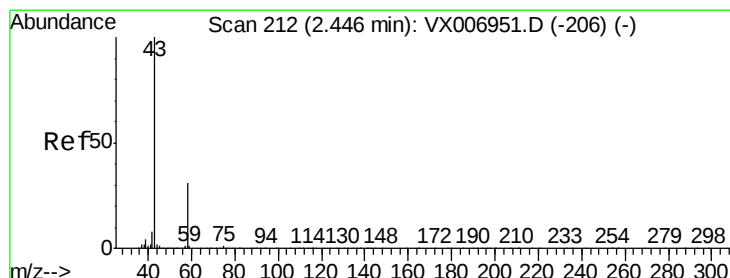
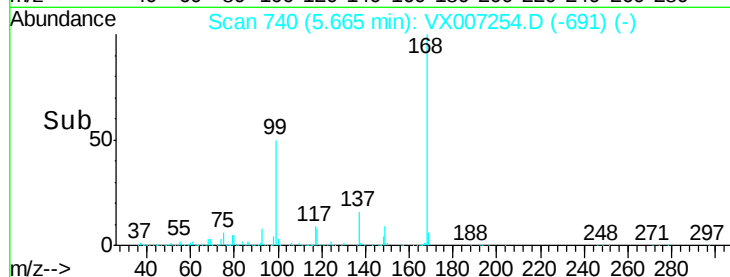
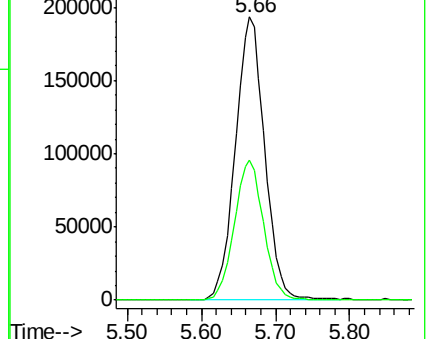
168 100

99 49.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 25.355 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007254.D

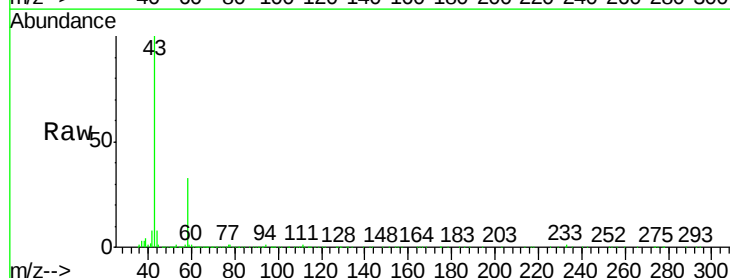
Acq: 26 Jan 2019 02:27

Tgt Ion: 43 Resp: 69839

Ion Ratio Lower Upper

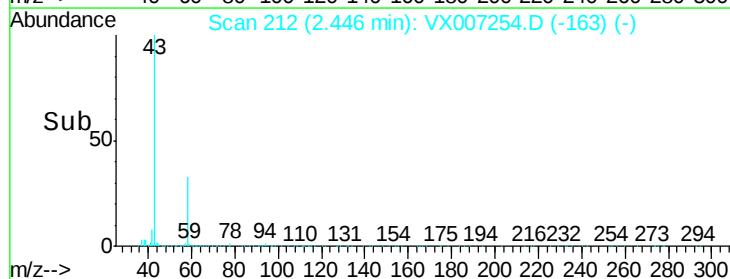
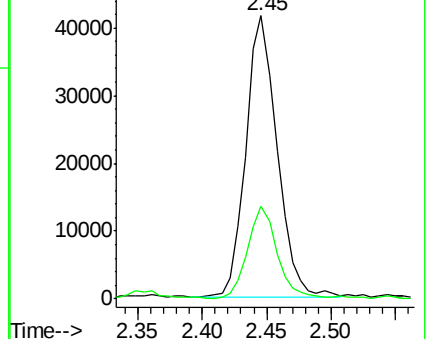
43 100

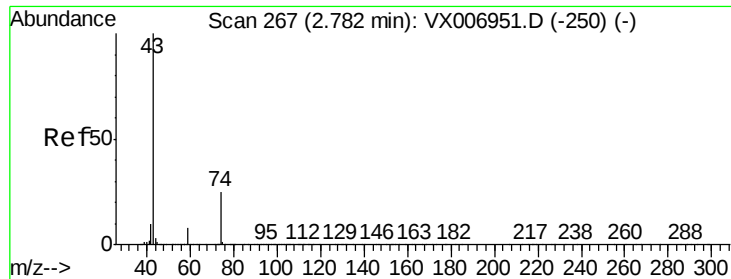
58 32.4 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

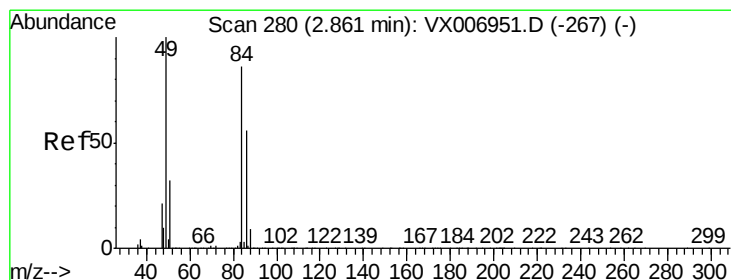
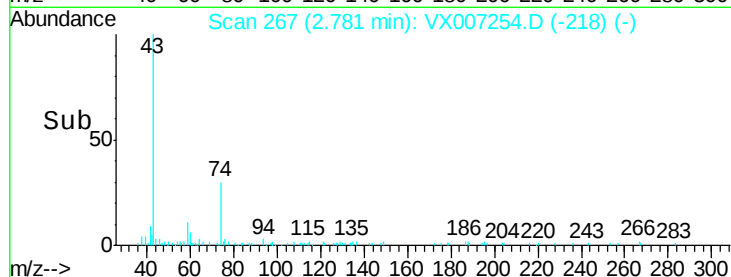
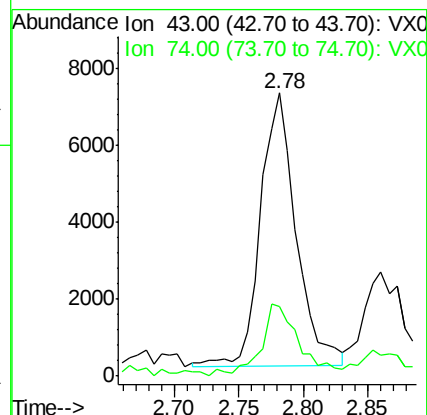
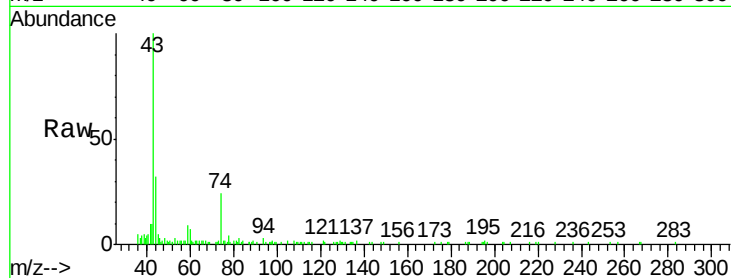




#18  
Methyl Acetate  
Concen: 1.714 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. -0.00 min  
Lab File: VX007254.D  
Acq: 26 Jan 2019 02:27

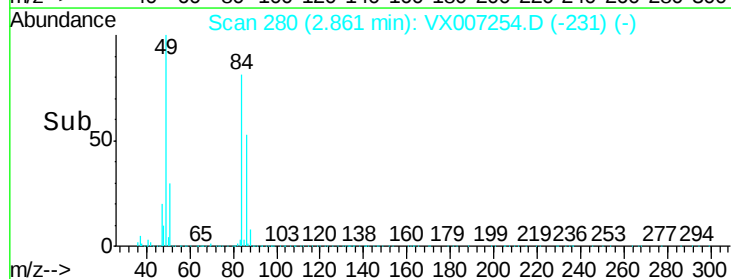
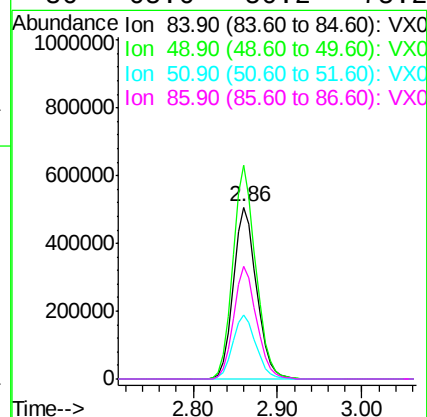
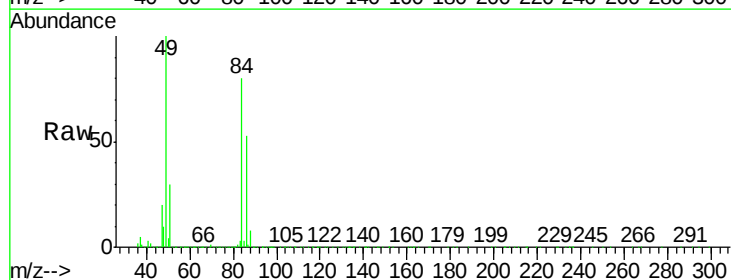
Instrument :  
MSVOA\_X  
ClientSampled :  
S5

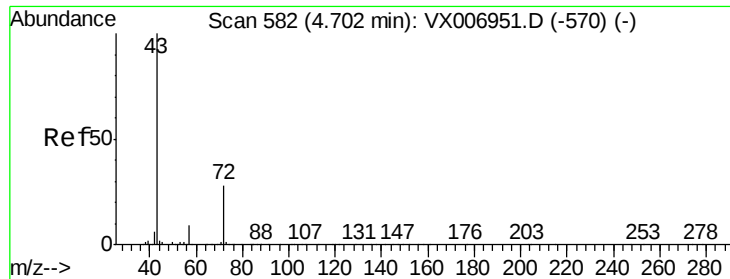
Tot Ion: 43 Resp: 13670  
Ion Ratio Lower Upper  
43 100  
74 28.5 18.6 28.0#



#20  
Methylene Chloride  
Concen: 182.057 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX007254.D  
Acq: 26 Jan 2019 02:27

Tgt Ion: 84 Resp: 945963  
Ion Ratio Lower Upper  
84 100  
49 124.2 91.8 137.6  
51 37.5 28.5 42.7  
86 65.6 50.2 75.2





#25

2-Butanone

Concen: 3.905 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

Instrument :

MSVOA\_X

ClientSampleId :

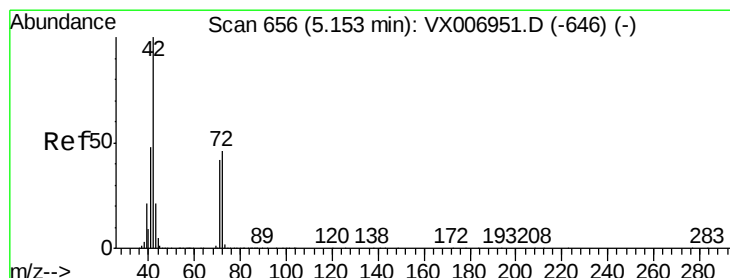
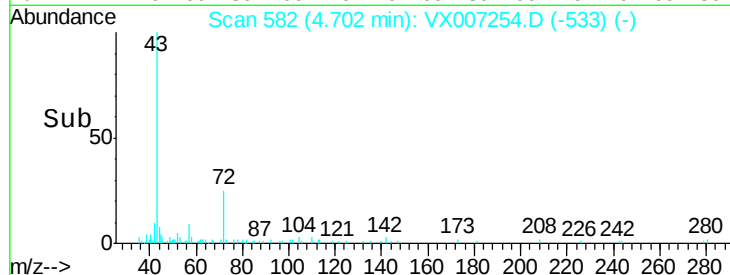
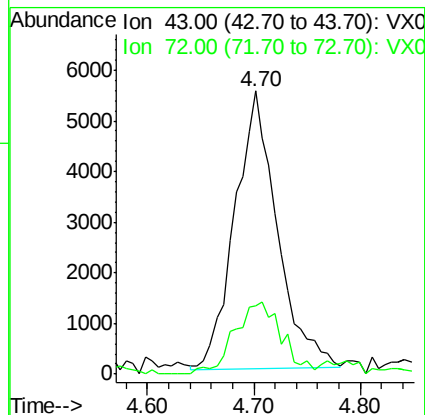
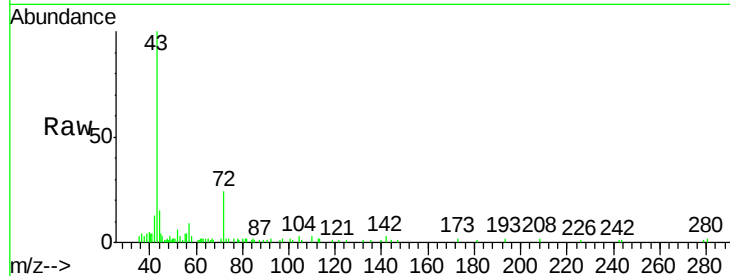
S5

Tot Ion: 43 Resp: 15392

Ion Ratio Lower Upper

43 100

72 25.1 22.4 33.6



#29

Tetrahydrofuran

Concen: 6.380 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

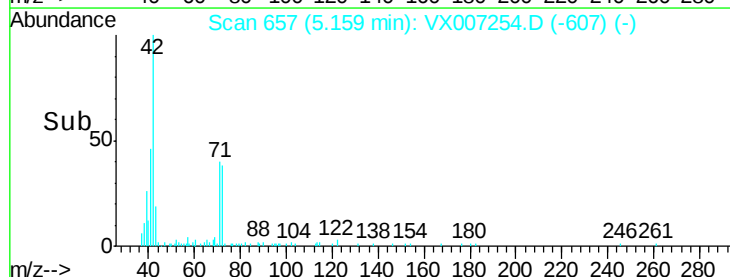
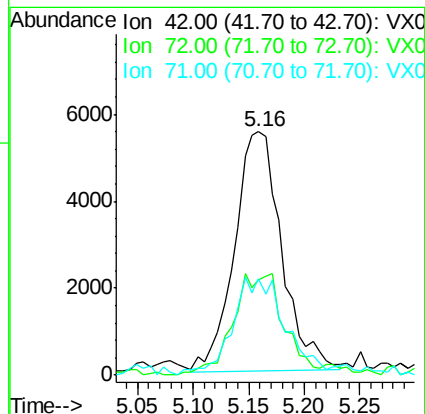
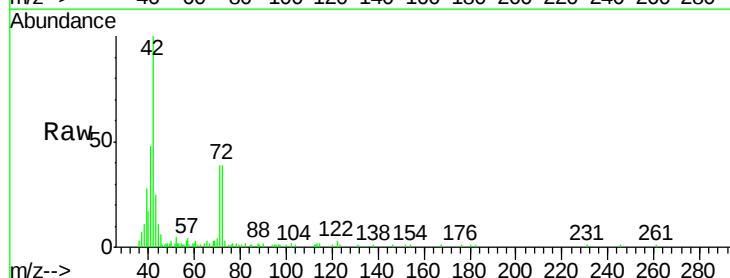
Tgt Ion: 42 Resp: 16340

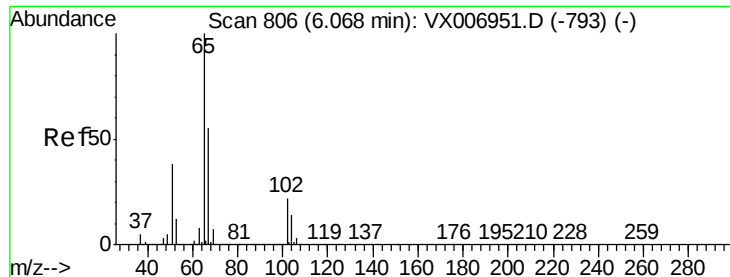
Ion Ratio Lower Upper

42 100

72 45.0 38.9 58.3

71 45.1 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 51.694 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

Instrument :

MSVOA\_X

ClientSampleId :

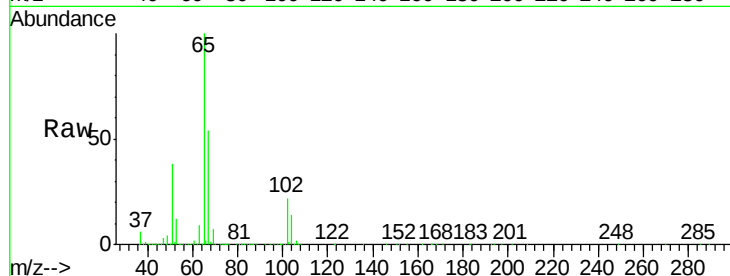
S5

Tot Ion: 65 Resp: 288022

Ion Ratio Lower Upper

65 100

67 53.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

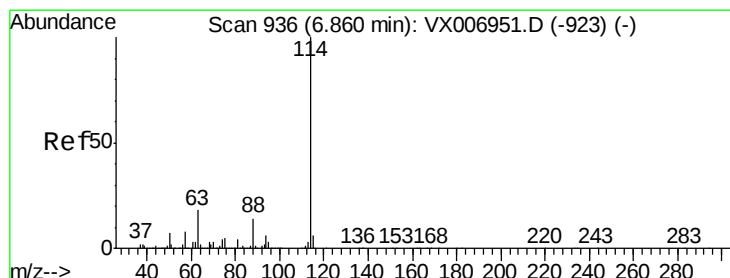
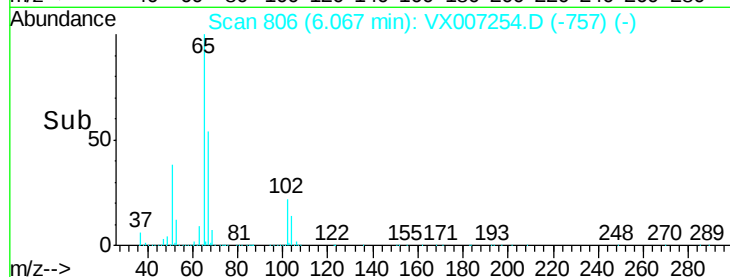
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

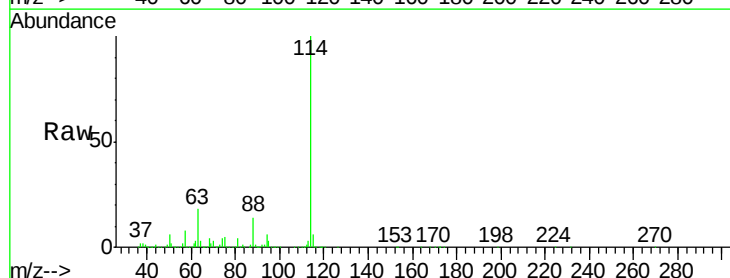
Tgt Ion: 114 Resp: 831121

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

88 14.3 0.0 28.8



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

6.86

400000

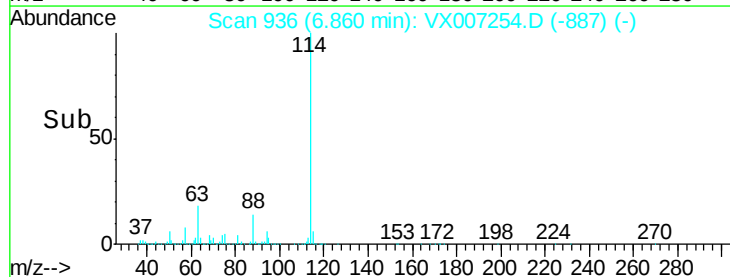
300000

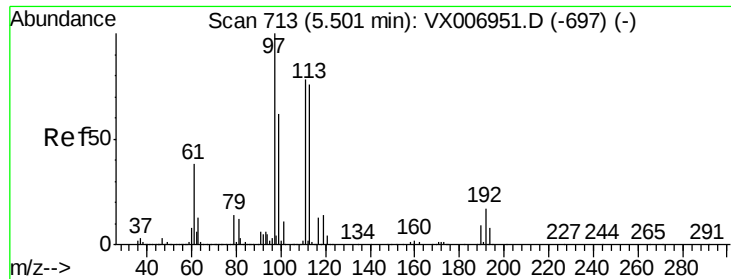
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.151 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

Instrument :  
MSVOA\_X  
ClientSampled :  
S5

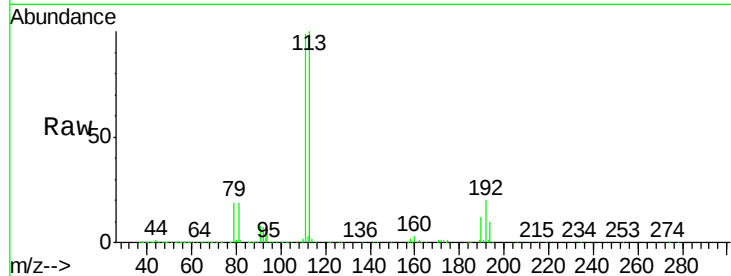
Tot Ion:113 Resp: 256280

Ion Ratio Lower Upper

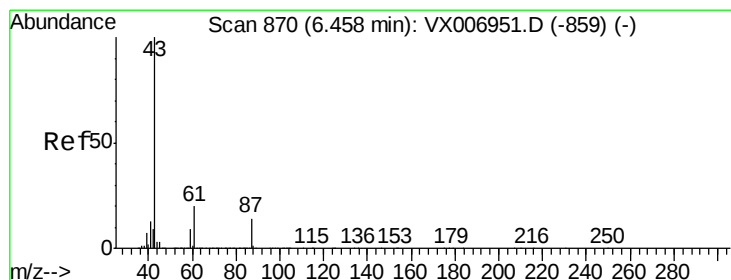
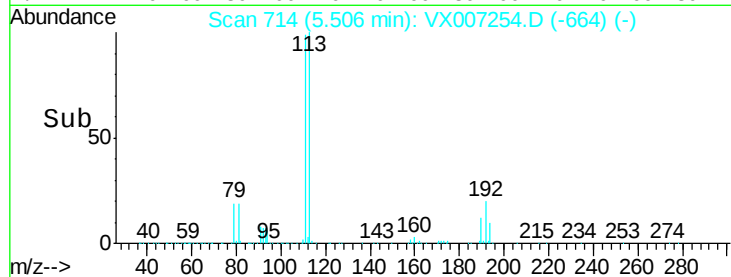
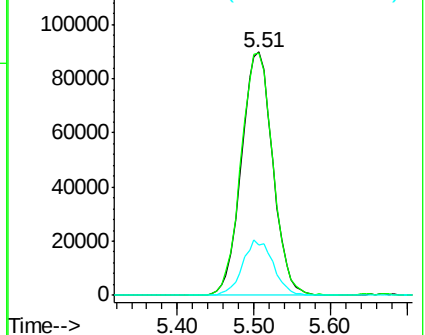
113 100

111 101.1 81.6 122.4

192 22.2 16.7 25.1



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



#43

Isopropyl Acetate

Concen: 1.965 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

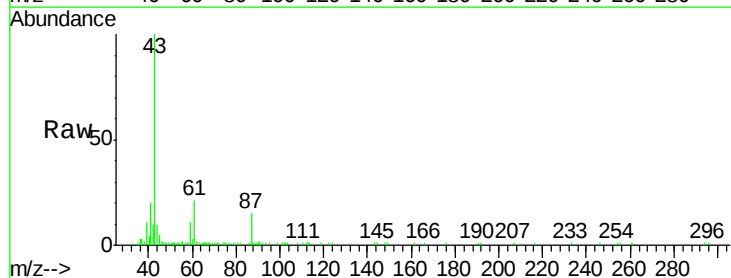
Tgt Ion: 43 Resp: 24008

Ion Ratio Lower Upper

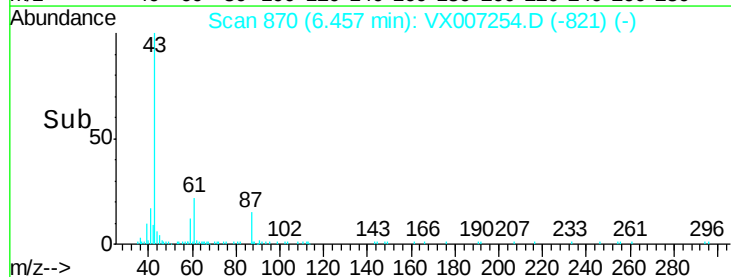
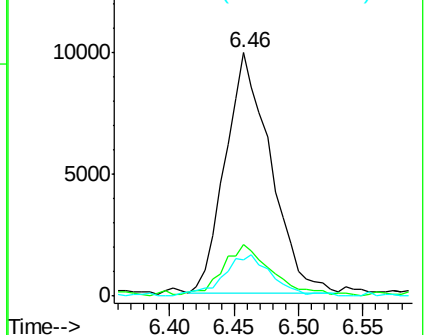
43 100

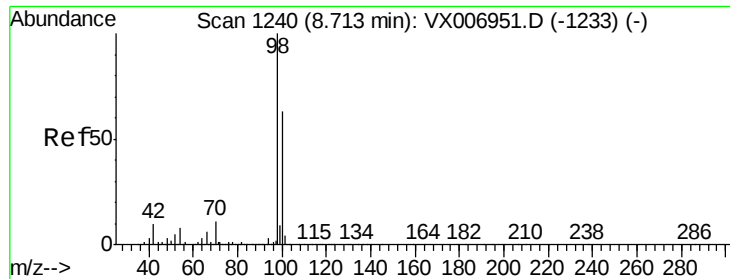
61 23.9 16.8 25.2

87 18.2 12.4 18.6



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: 51.968 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

Instrument :

MSVOA\_X

ClientSampleId :

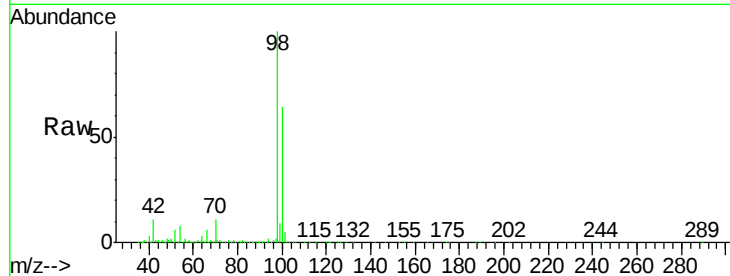
S5

Tot Ion: 98 Resp: 1012429

Ion Ratio Lower Upper

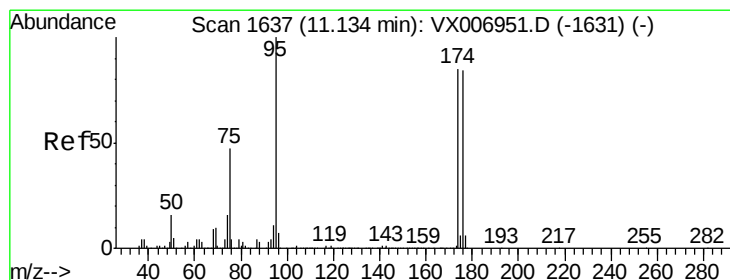
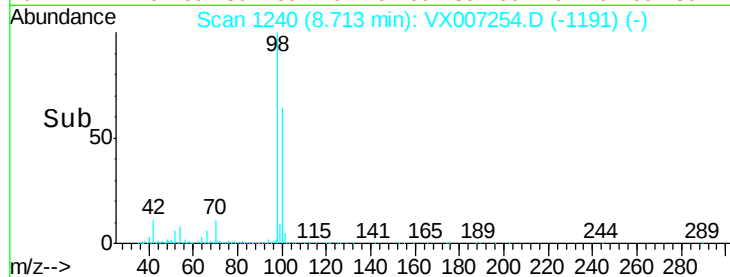
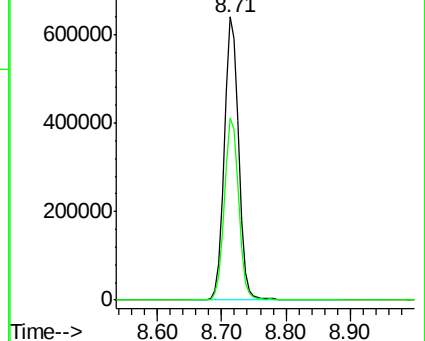
98 100

100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 53.182 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

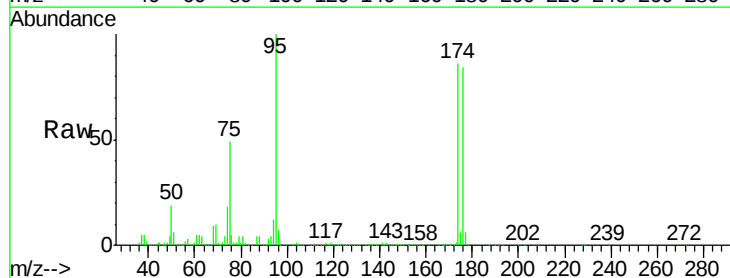
Tgt Ion: 95 Resp: 361205

Ion Ratio Lower Upper

95 100

174 92.6 0.0 182.2

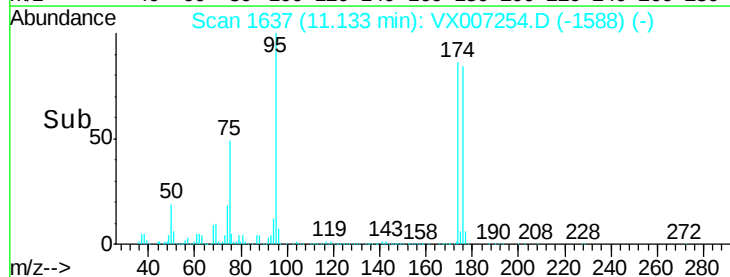
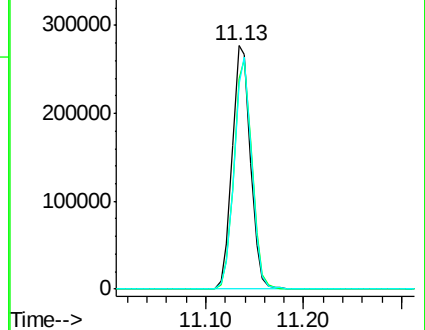
176 91.3 0.0 178.8

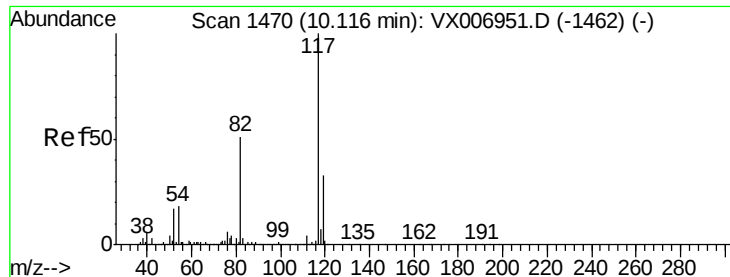


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

Instrument :

MSVOA\_X

ClientSampleId :

S5

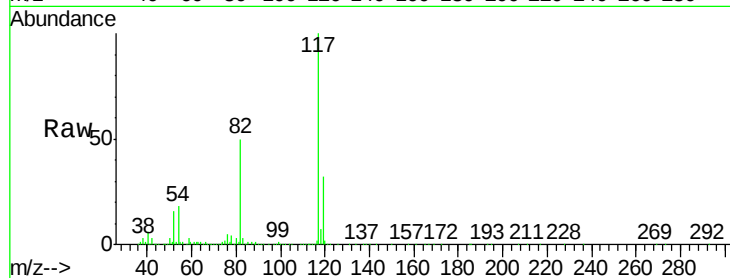
Tot Ion:117 Resp: 799361

Ion Ratio Lower Upper

117 100

82 50.4 41.0 61.6

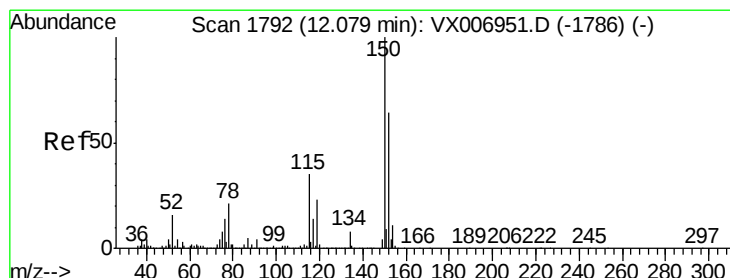
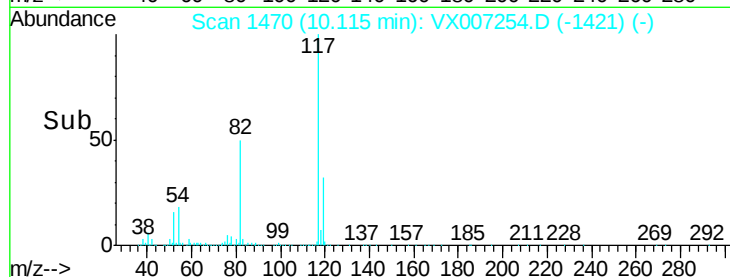
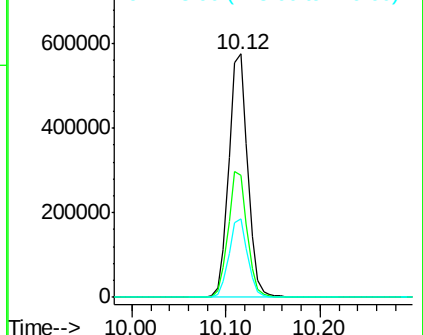
119 32.0 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX007254.D

Acq: 26 Jan 2019 02:27

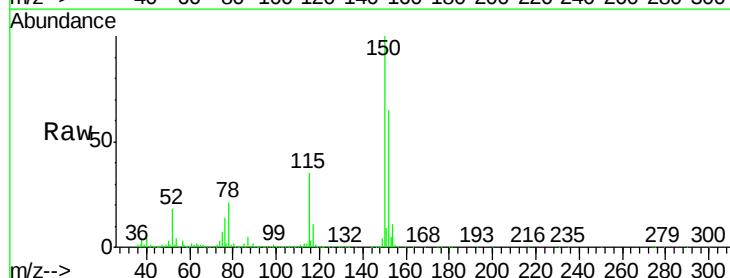
Tgt Ion:152 Resp: 385700

Ion Ratio Lower Upper

152 100

115 55.4 39.1 117.2

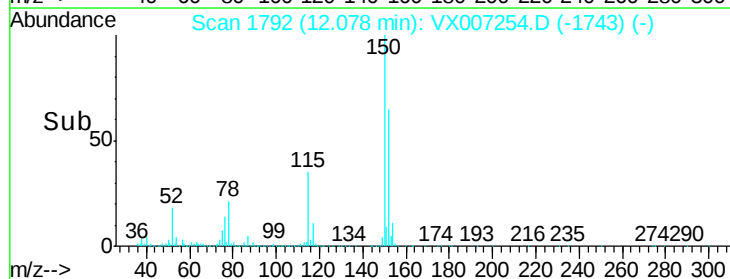
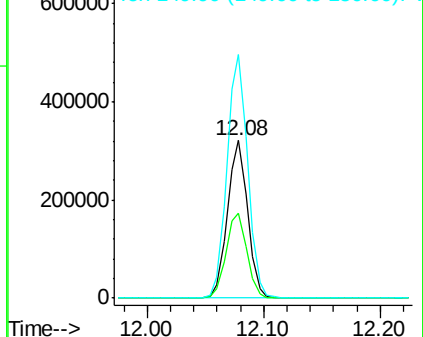
150 158.1 0.0 344.8

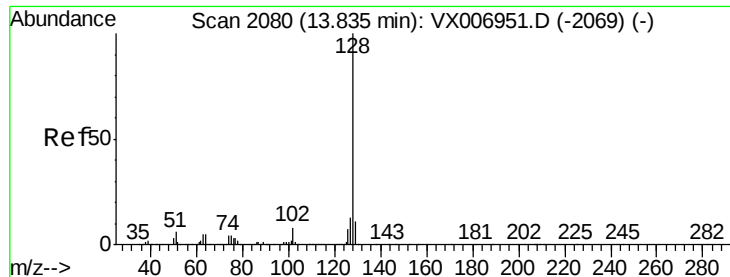


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 1.584 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007254.D

Acq: 26 Jan 2019 02:27

Instrument :

MSVOA\_X

ClientSampleId :

S5

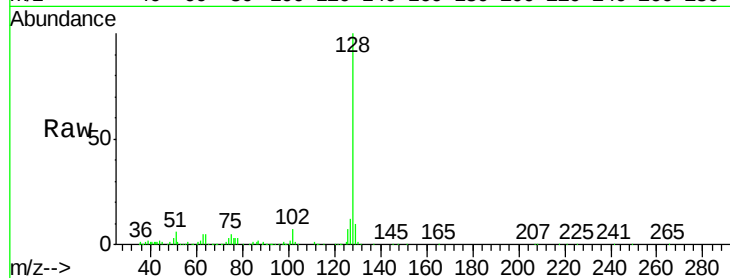
Tot Ion:128 Resp: 44030

Ion Ratio Lower Upper

128 100

127 14.5 10.1 15.1

129 11.0 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

