

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010919\  
 Data File : VX006967.D  
 Acq On : 09 Jan 2019 16:06  
 Operator : JC/MD  
 Sample : K1006-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 JC-03-010819-A

Quant Time: Jan 10 02:27:39 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      | 5.67  | 168  | 641207   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 985352   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 917788   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 439003   | 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   | 335395   | 50.05  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.10% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 299567   | 47.47  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 94.94%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1175445  | 50.89  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 101.78% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 419290   | 52.07  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 104.14% |          |

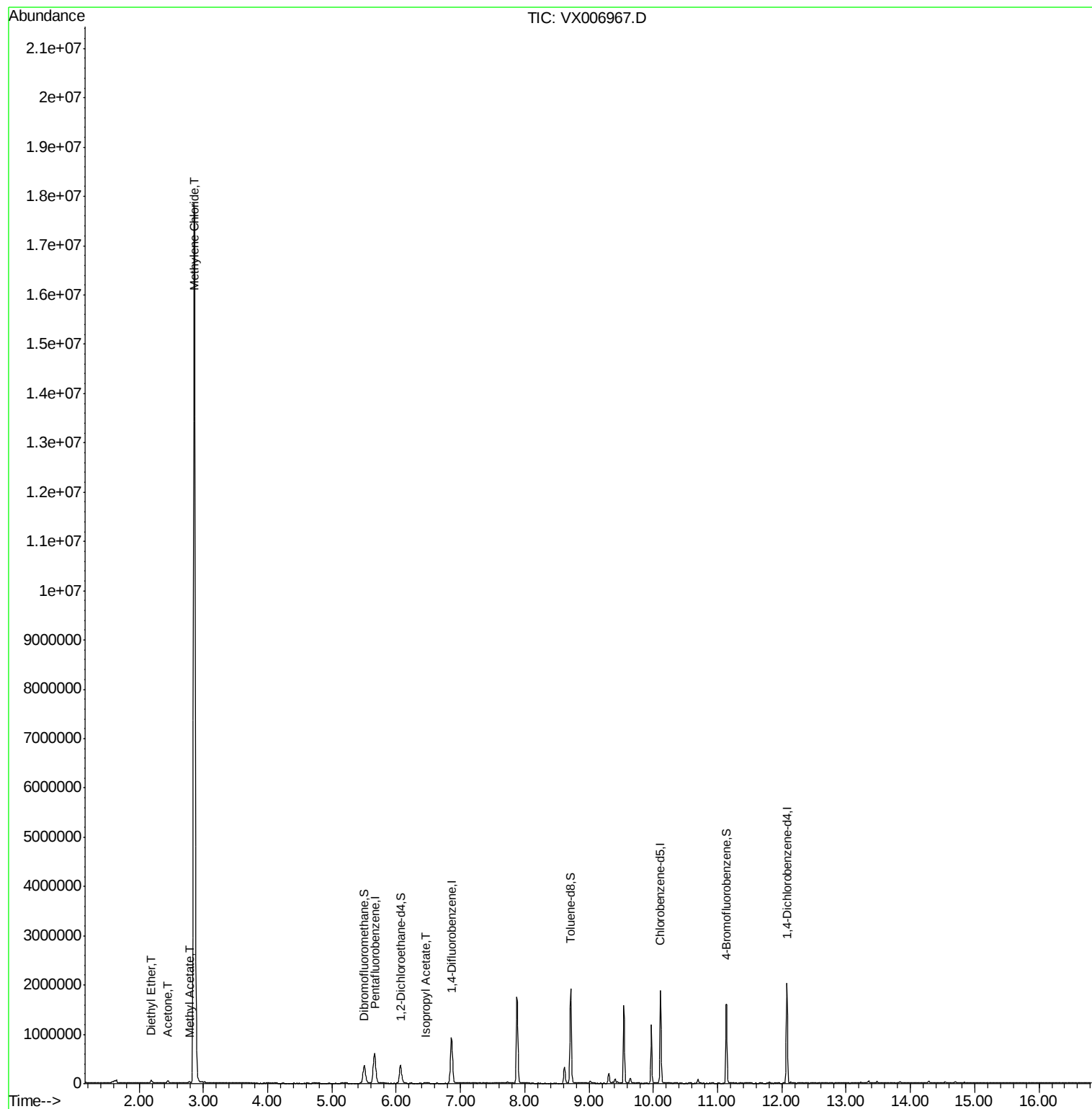
| Target Compounds       | R.T. | QIon | Response | Conc     | Units | Qvalue |
|------------------------|------|------|----------|----------|-------|--------|
| 8) Diethyl Ether       | 2.19 | 74   | 18150    | 4.282    | ug/l  | 99     |
| 16) Acetone            | 2.45 | 43   | 41479    | 12.521   | ug/l  | 96     |
| 18) Methyl Acetate     | 2.78 | 43   | 27952    | 2.914    | ug/l  | 93     |
| 20) Methylene Chloride | 2.85 | 84   | 8279255  | 1328.419 | ug/l  | 93     |
| 43) Isopropyl Acetate  | 6.46 | 43   | 23064    | 1.592    | ug/l  | 96     |

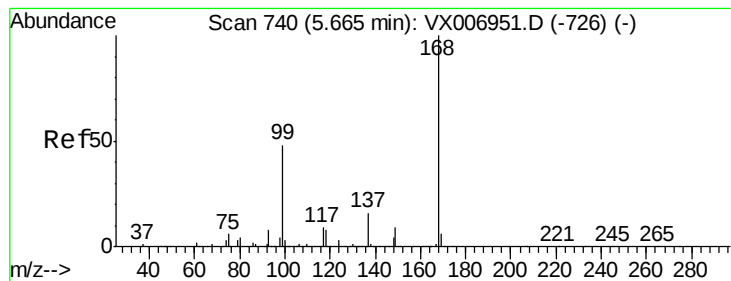
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010919\  
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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: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006967.D

Acq: 09 Jan 2019 16:06

Instrument :

MSVOA\_X

ClientSampleId :

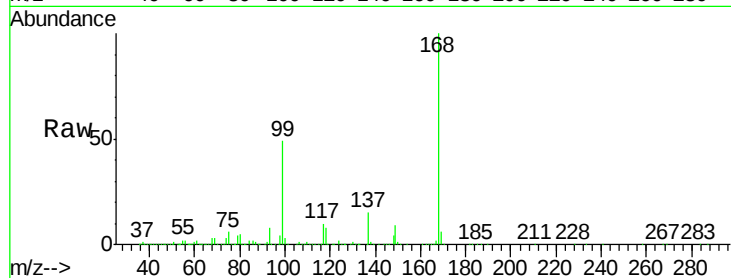
JC-03-010819-A

Tot Ion:168 Resp: 641207

Ion Ratio Lower Upper

168 100

99 48.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

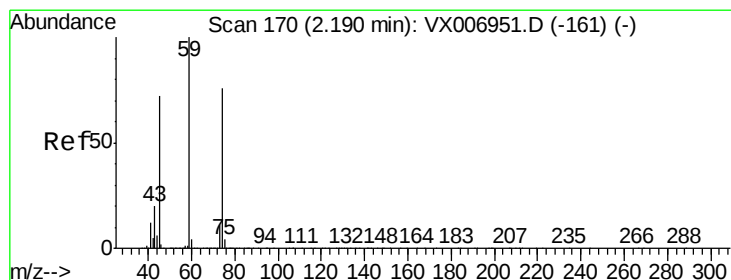
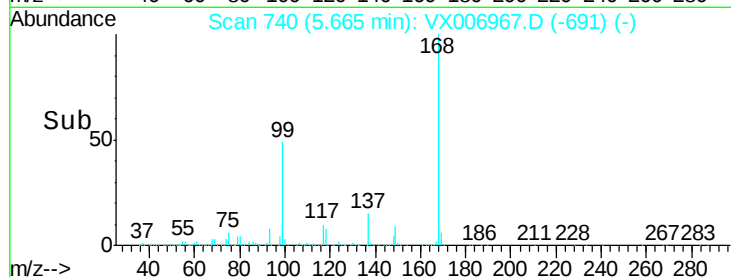
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 4.282 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX006967.D

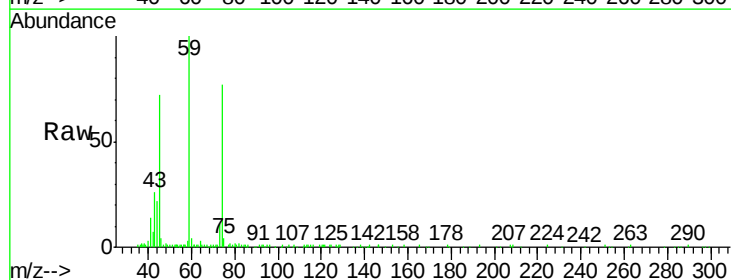
Acq: 09 Jan 2019 16:06

Tgt Ion: 74 Resp: 18150

Ion Ratio Lower Upper

74 100

45 93.2 46.3 138.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

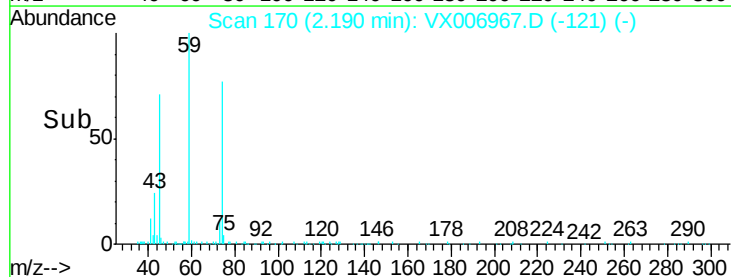
15000

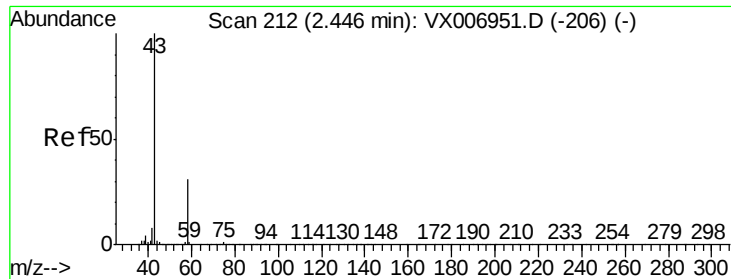
10000

5000

0

Time-->

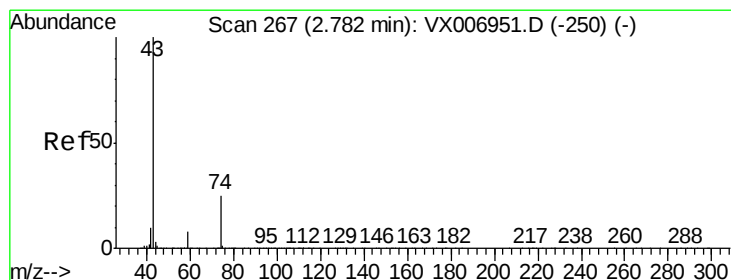
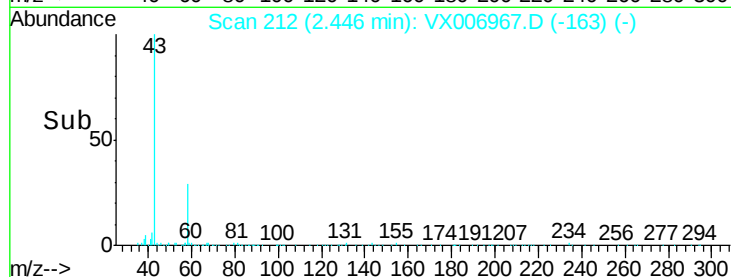
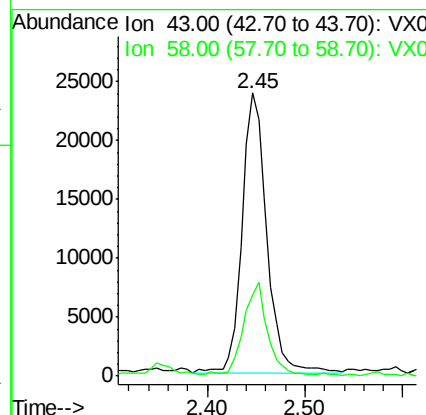
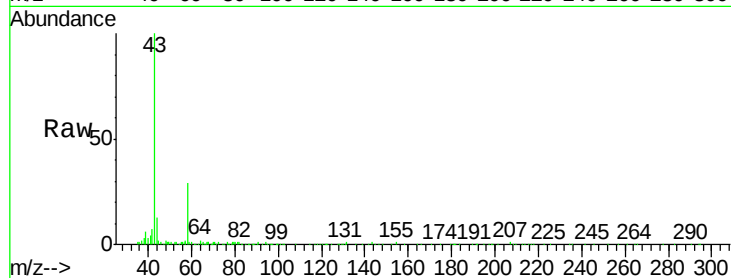




#16  
Acetone  
Concen: 12.521 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VX006967.D  
Acq: 09 Jan 2019 16:06

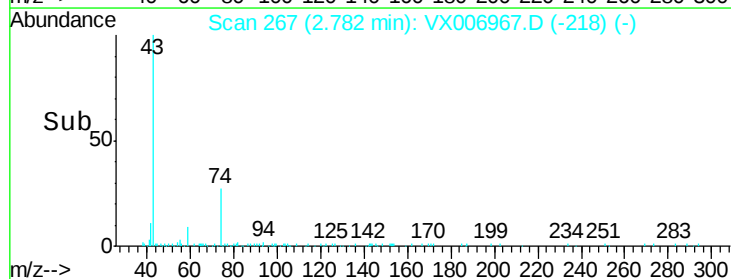
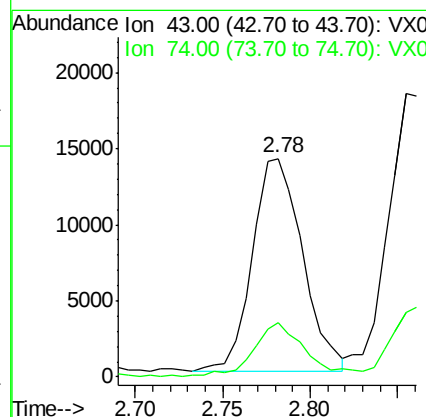
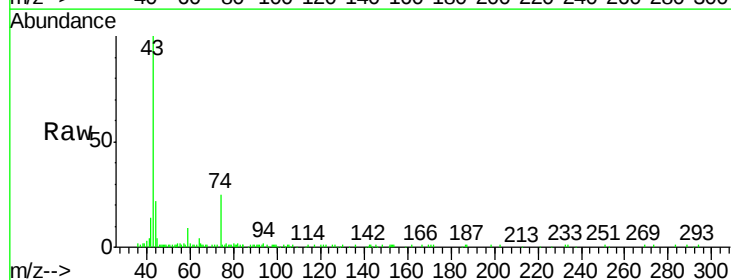
Instrument :  
MSVOA\_X  
ClientSampleId :  
JC-03-010819-A

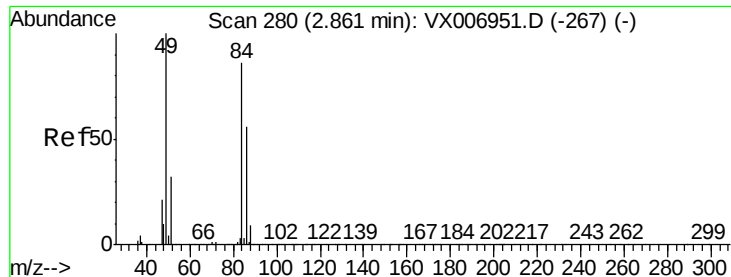
Tot Ion: 43 Resp: 41479  
Ion Ratio Lower Upper  
43 100  
58 28.9 25.0 37.6



#18  
Methyl Acetate  
Concen: 2.914 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. -0.00 min  
Lab File: VX006967.D  
Acq: 09 Jan 2019 16:06

Tgt Ion: 43 Resp: 27952  
Ion Ratio Lower Upper  
43 100  
74 26.5 18.6 28.0



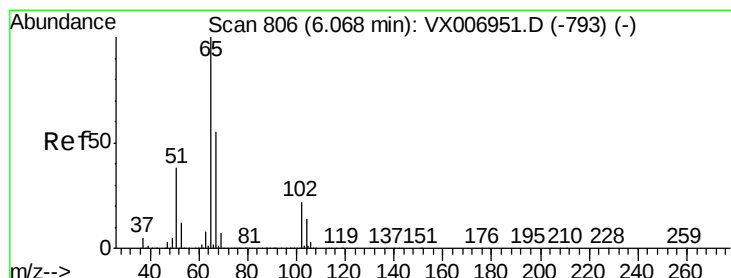
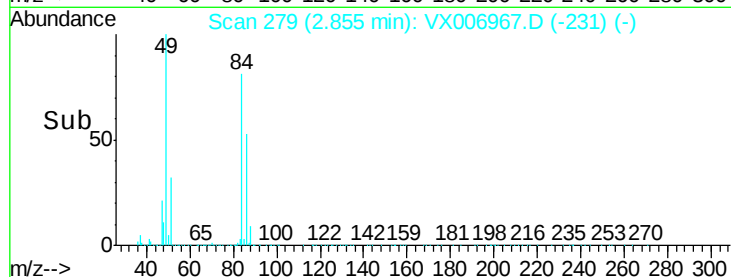
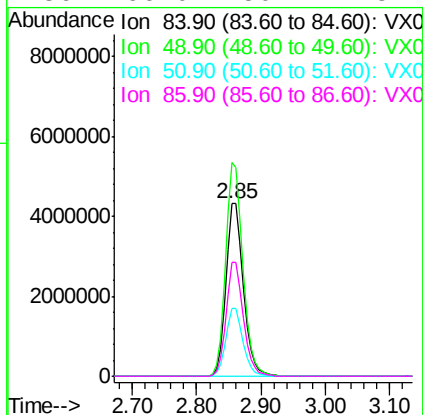
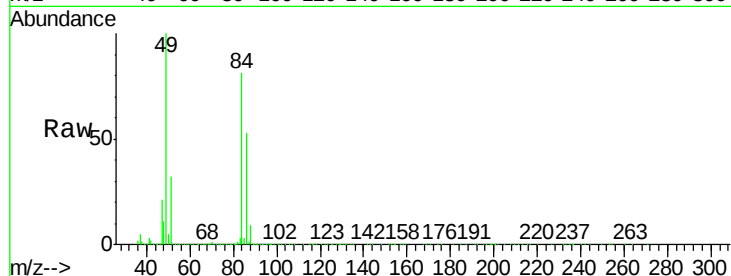


#20  
Methvlene Chloride  
Concen: 1328.419 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX006967.D  
Acq: 09 Jan 2019 16:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
JC-03-010819-A

Tot Ion: 84 Resp: 8279255

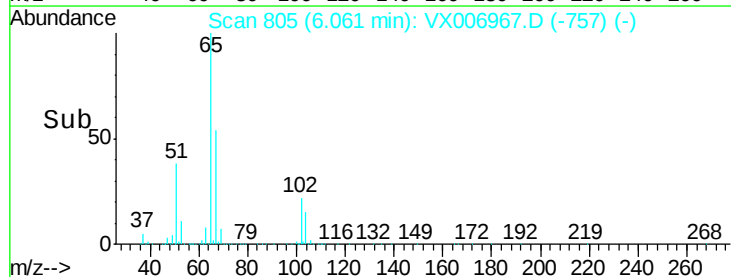
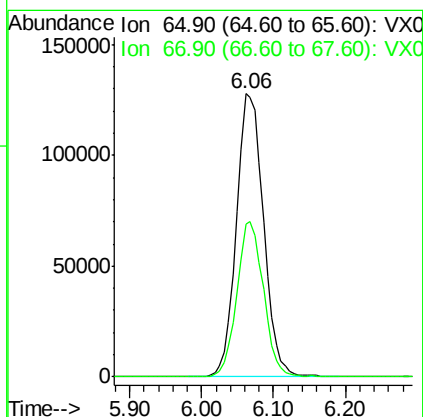
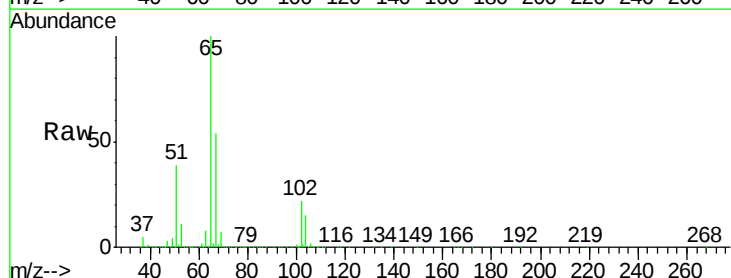
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 123.7 | 91.8  | 137.6 |
| 51  | 39.5  | 28.5  | 42.7  |
| 86  | 66.0  | 50.2  | 75.2  |

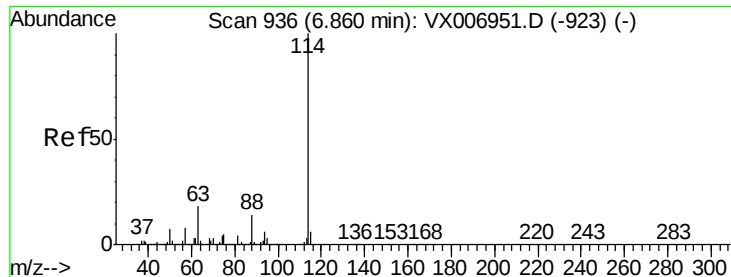


#33  
1,2-Dichloroethane-d4  
Concen: 50.050 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. -0.01 min  
Lab File: VX006967.D  
Acq: 09 Jan 2019 16:06

Tgt Ion: 65 Resp: 335395

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 53.5  | 0.0   | 105.0 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006967.D

Acq: 09 Jan 2019 16:06

Instrument :

MSVOA\_X

ClientSampleId :

JC-03-010819-A

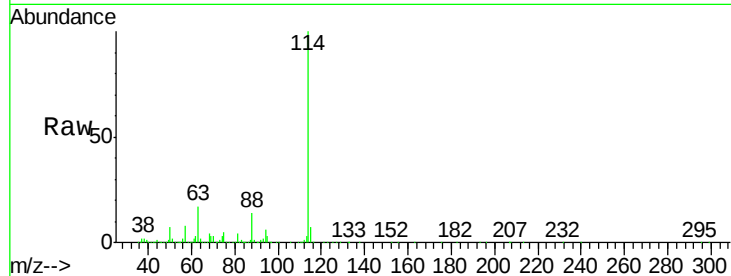
Tot Ion:114 Resp: 985352

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.8

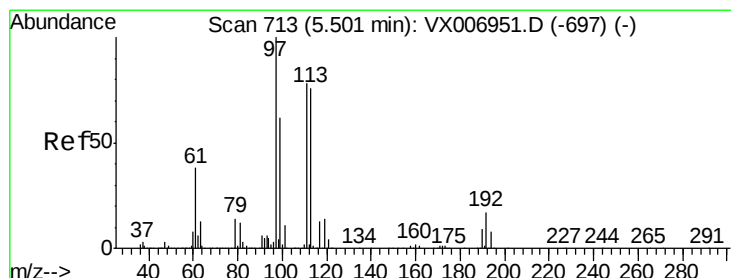
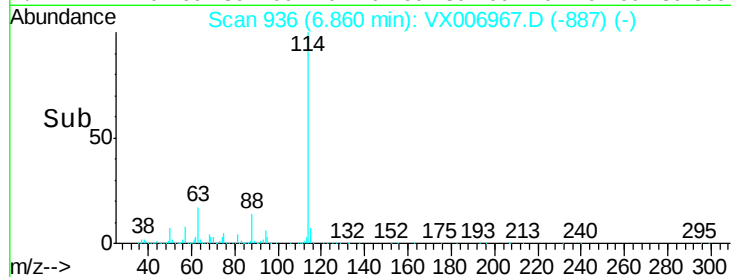
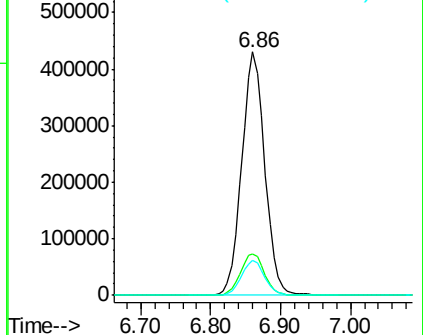
88 14.3 0.0 28.8



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



#35

Dibromofluoromethane

Concen: 47.474 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006967.D

Acq: 09 Jan 2019 16:06

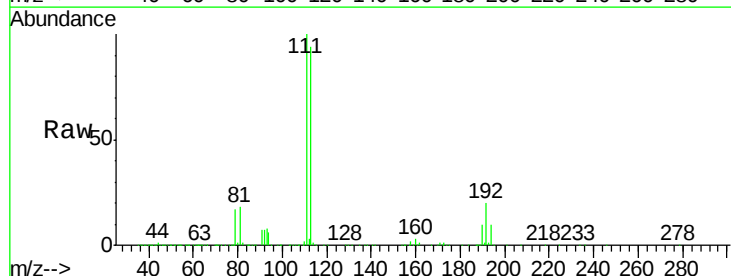
Tgt Ion:113 Resp: 299567

Ion Ratio Lower Upper

113 100

111 103.8 81.6 122.4

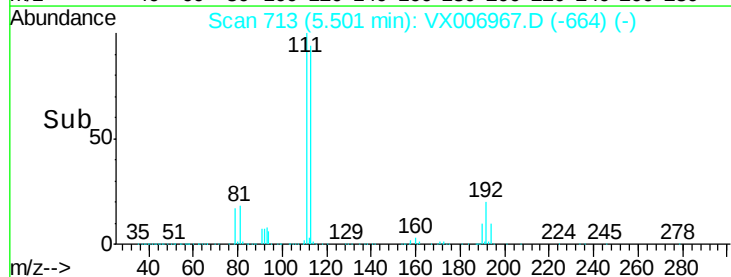
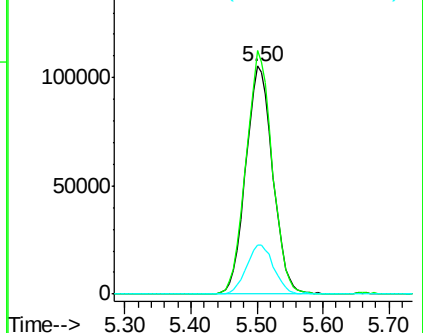
192 22.0 16.7 25.1

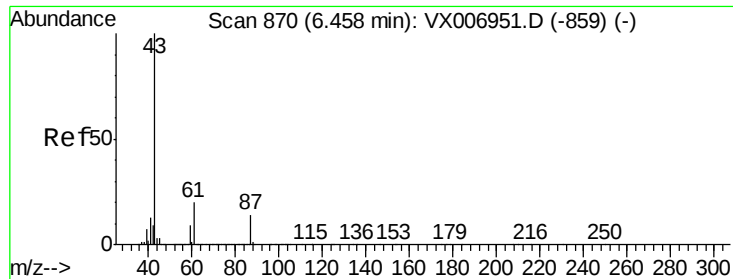


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



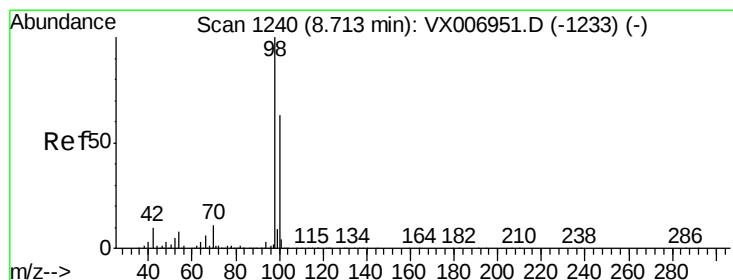
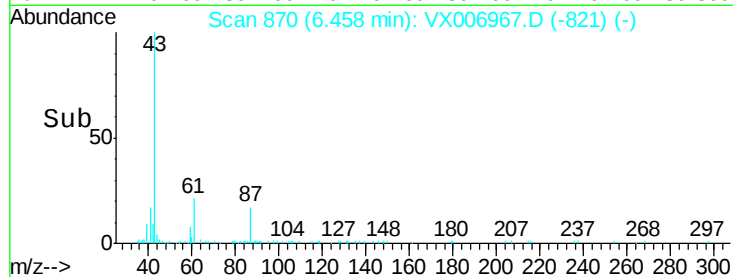
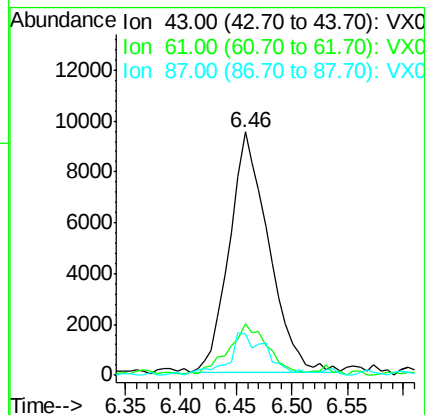
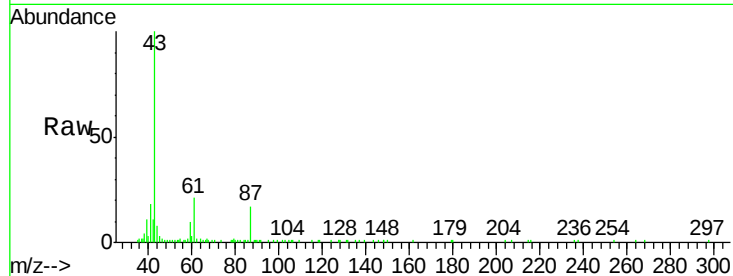


#43

Isopropyl Acetate  
 Concen: 1.592 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. -0.00 min  
 Lab File: VX006967.D  
 Acq: 09 Jan 2019 16:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 JC-03-010819-A

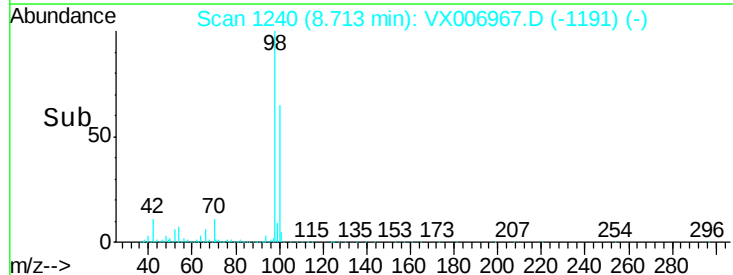
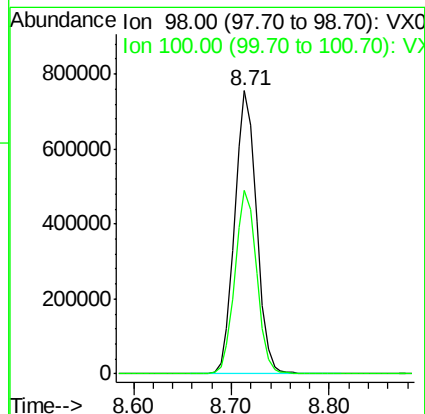
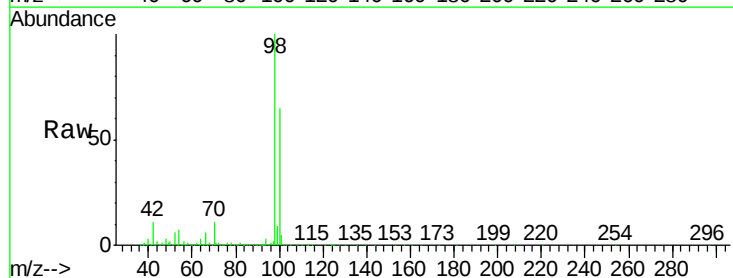
Tot Ion: 43 Resp: 23064  
 Ion Ratio Lower Upper  
 43 100  
 61 22.2 16.8 25.2  
 87 17.8 12.4 18.6

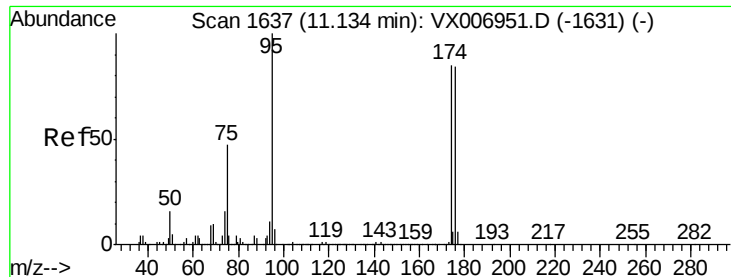


#50

Toluene-d8  
 Concen: 50.892 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VX006967.D  
 Acq: 09 Jan 2019 16:06

Tgt Ion: 98 Resp: 1175445  
 Ion Ratio Lower Upper  
 98 100  
 100 64.4 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 52.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006967.D

Acq: 09 Jan 2019 16:06

Instrument :

MSVOA\_X

ClientSampleId :

JC-03-010819-A

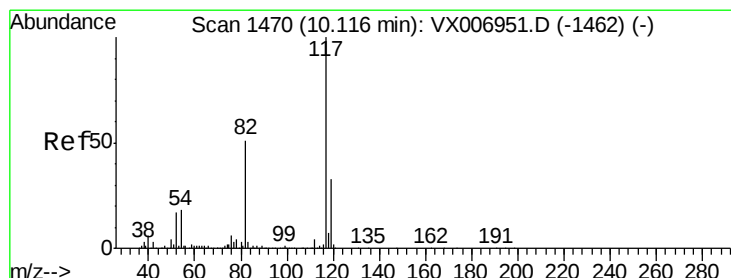
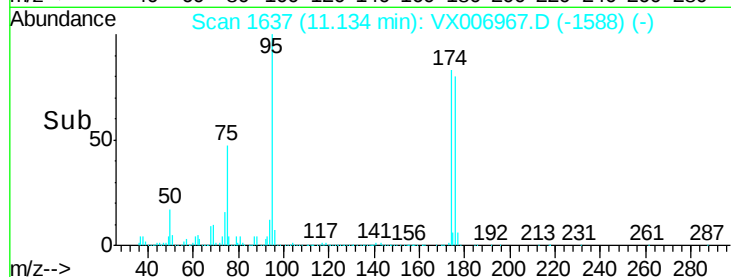
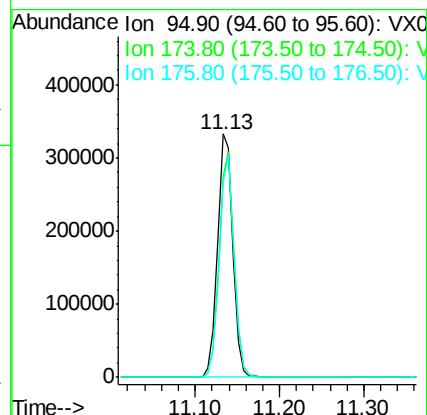
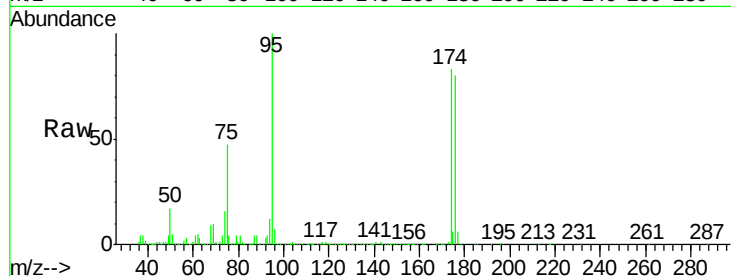
Tot Ion: 95 Resp: 419290

Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.2

176 88.4 0.0 178.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006967.D

Acq: 09 Jan 2019 16:06

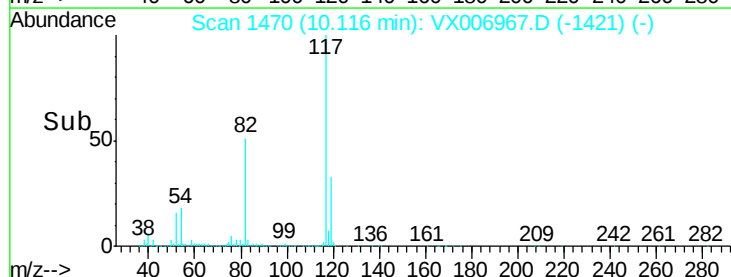
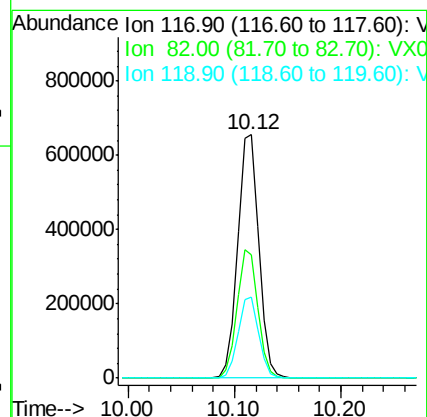
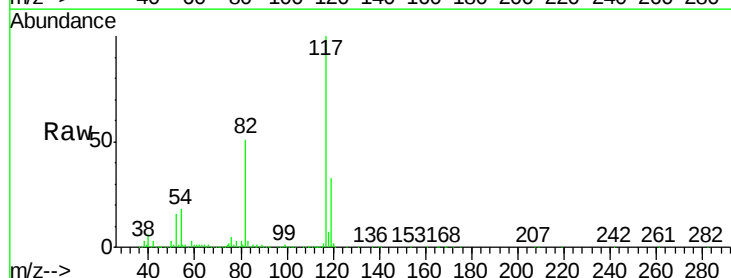
Tgt Ion: 117 Resp: 917788

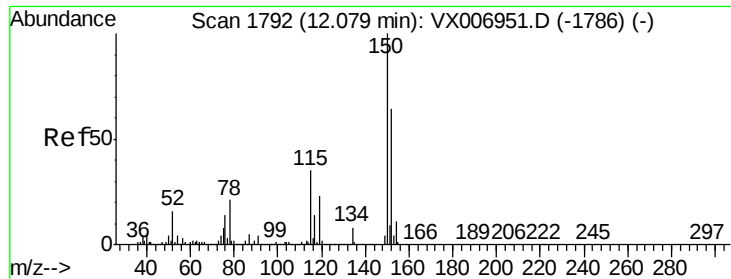
Ion Ratio Lower Upper

117 100

82 50.8 41.0 61.6

119 33.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006967.D

Acq: 09 Jan 2019 16:06

Instrument :

MSVOA\_X

ClientSampleId :

JC-03-010819-A

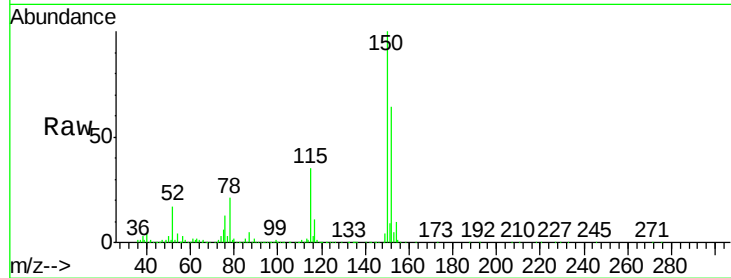
Tot Ion:152 Resp: 439003

Ion Ratio Lower Upper

152 100

115 54.9 39.1 117.2

150 157.0 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

