

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020519\  
 Data File : VX007381.D  
 Acq On : 05 Feb 2019 17:11  
 Operator : JC/SP  
 Sample : PB116824ZHE#07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB116824ZHE#07

Quant Time: Feb 06 01:26:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 2019  
 Response via : Initial Calibration

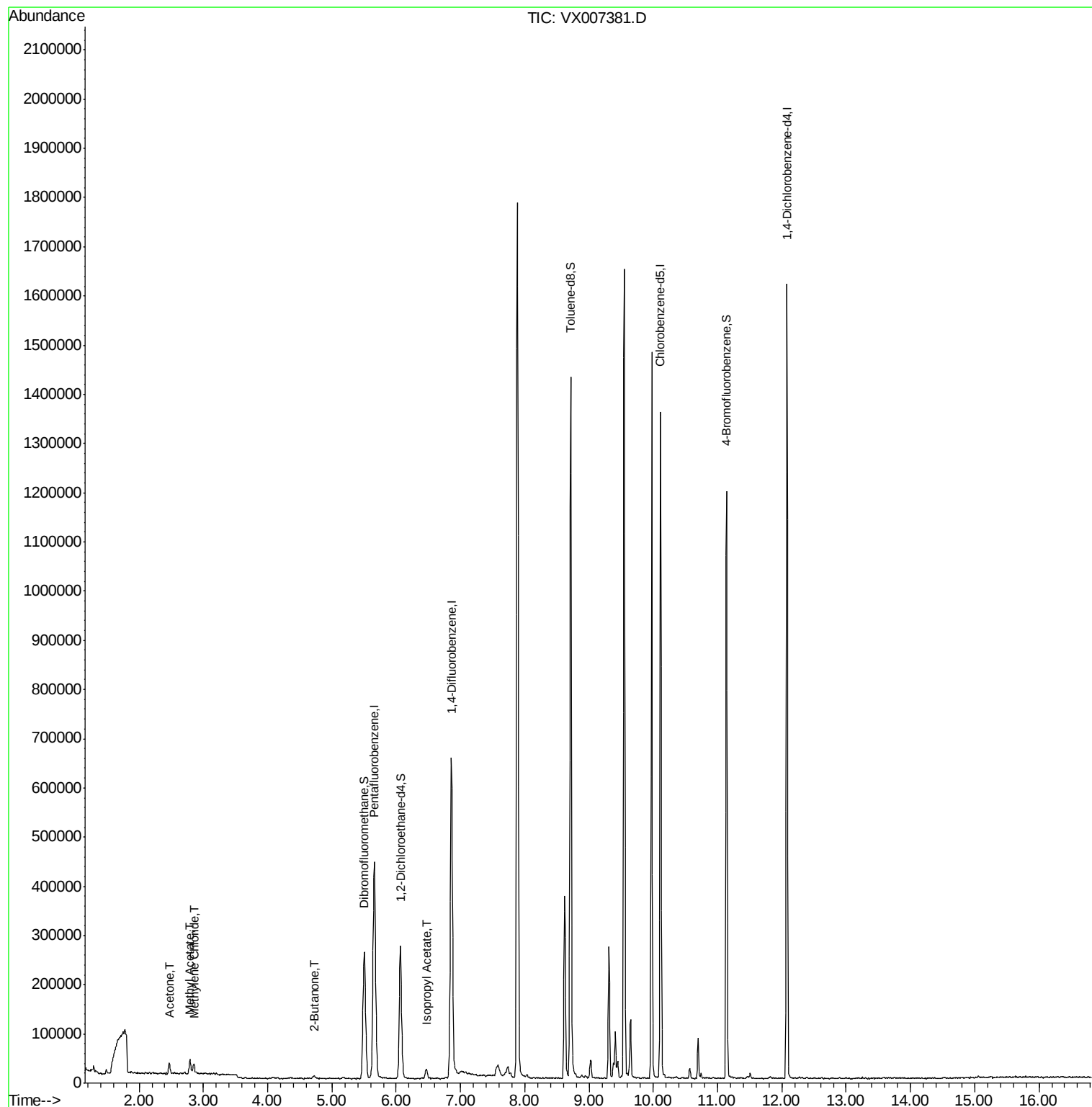
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 458028   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 713370   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 660431   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 334609   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 251678   | 51.77  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.54% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 222711   | 47.98  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.96%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 852784   | 49.52  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.04%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 302211   | 48.07  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.14%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.47  | 43   | 25454    | 11.430 | ug/l    | 99       |
| 18) Methyl Acetate          | 2.79  | 43   | 42375    | 7.810  | ug/l    | 98       |
| 20) Methylene Chloride      | 2.85  | 84   | 10470    | 1.924  | ug/l    | 93       |
| 25) 2-Butanone              | 4.71  | 43   | 10237    | 3.230  | ug/l    | 98       |
| 43) Isopropyl Acetate       | 6.47  | 43   | 24247    | 2.428  | ug/l    | 95       |

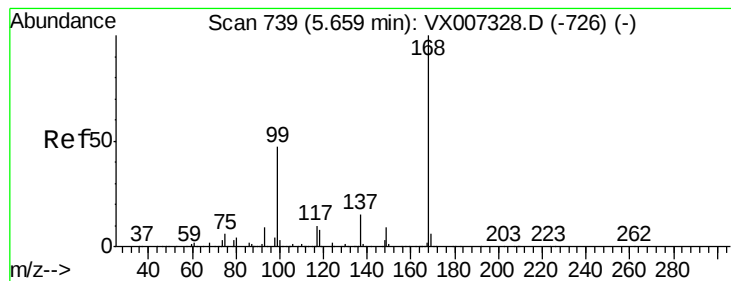
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020519\  
Data File : VX007381.D  
Acq On : 05 Feb 2019 17:11  
Operator : JC/SP  
Sample : PB116824ZHE#07  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB116824ZHE#07

Quant Time: Feb 06 01:26:52 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 02 01:32:36 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

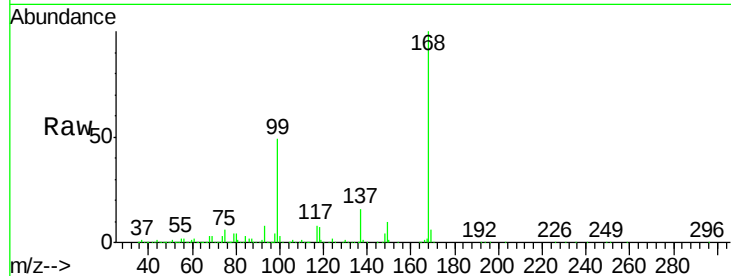
PB116824ZHE#07

Tot Ion:168 Resp: 458028

Ion Ratio Lower Upper

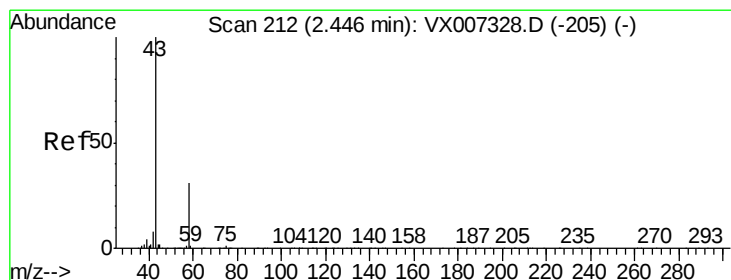
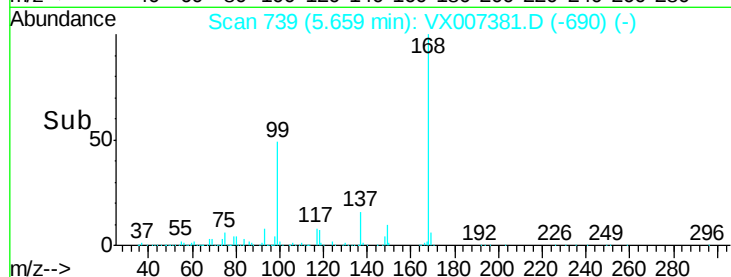
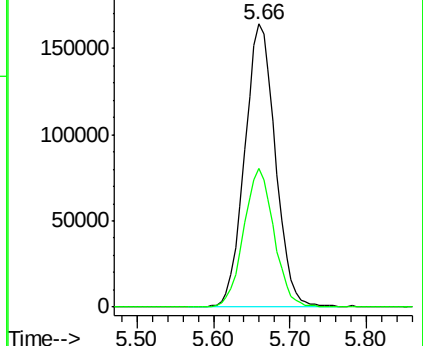
168 100

99 49.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 11.430 ug/l

RT: 2.47 min Scan# 216

Delta R.T. 0.02 min

Lab File: VX007381.D

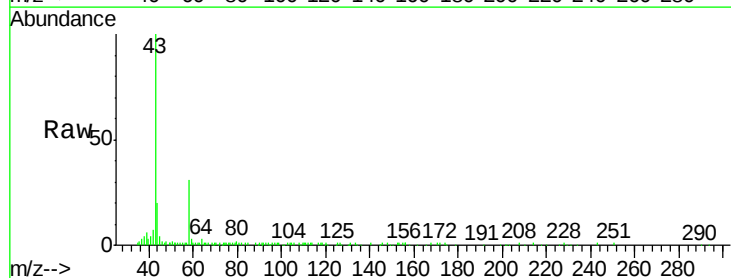
Acq: 05 Feb 2019 17:11

Tgt Ion: 43 Resp: 25454

Ion Ratio Lower Upper

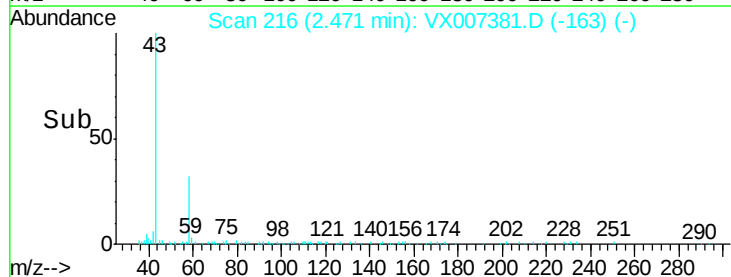
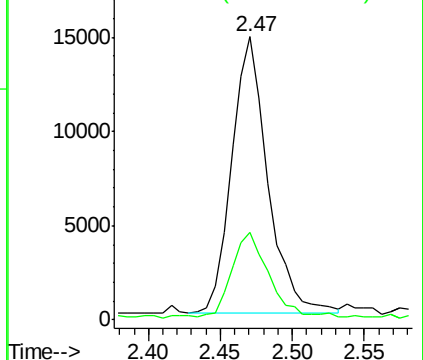
43 100

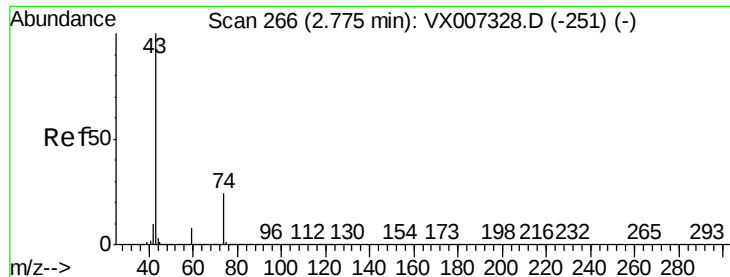
58 30.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

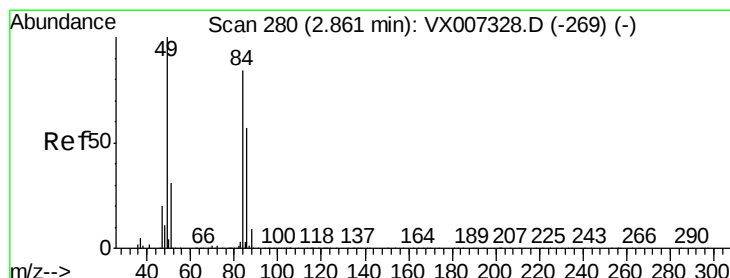
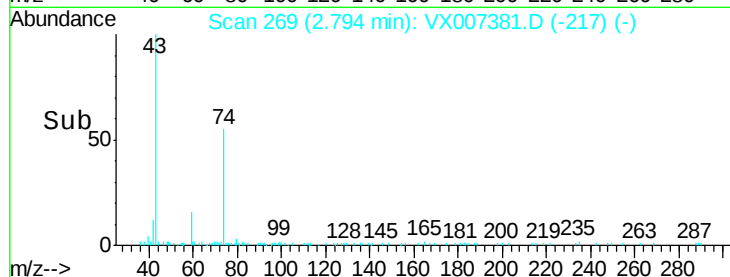
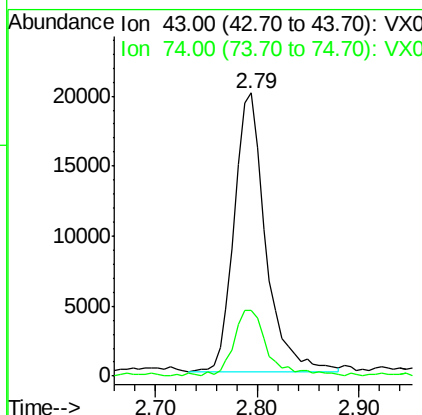
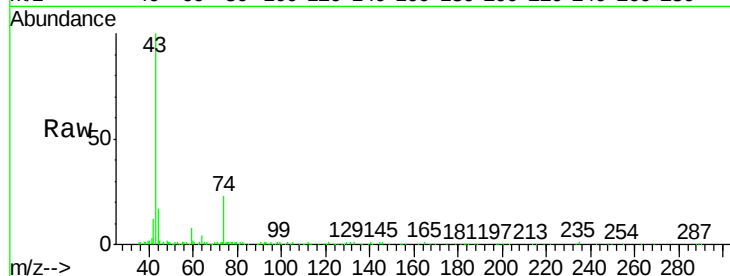




#18  
Methyl Acetate  
Concen: 7.810 ug/l  
RT: 2.79 min Scan# 269  
Delta R.T. 0.02 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

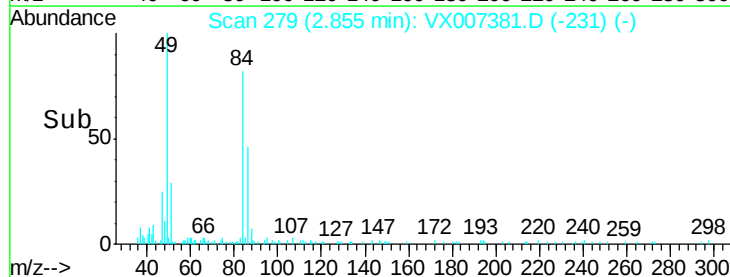
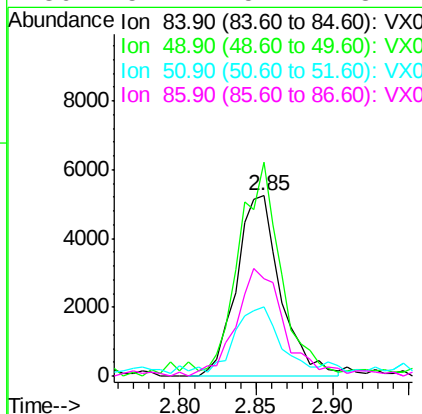
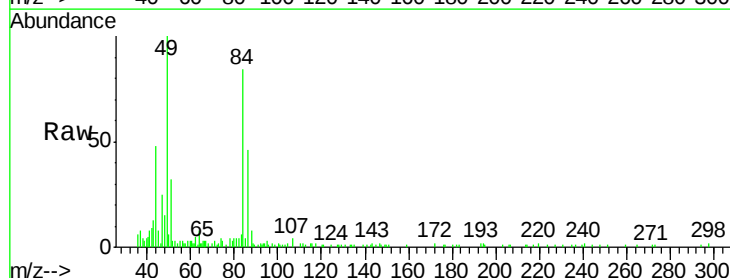
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB116824ZHE#07

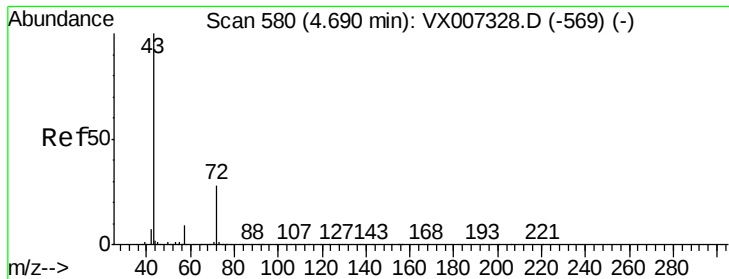
Tot Ion: 43 Resp: 42375  
Ion Ratio Lower Upper  
43 100  
74 25.5 19.4 29.2



#20  
Methylene Chloride  
Concen: 1.924 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

Tgt Ion: 84 Resp: 10470  
Ion Ratio Lower Upper  
84 100  
49 116.3 94.8 142.2  
51 35.5 29.8 44.8  
86 54.2 54.1 81.1





#25

2-Butanone

Concen: 3.230 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.02 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

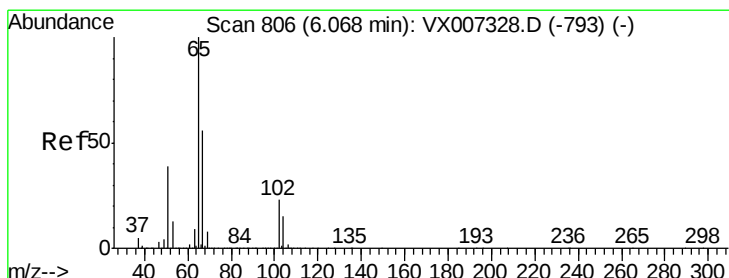
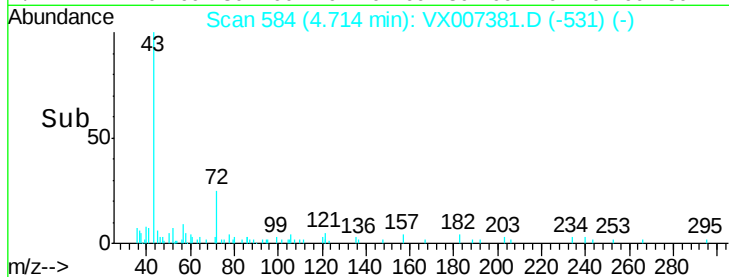
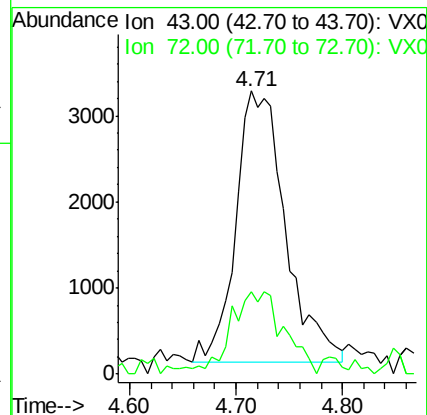
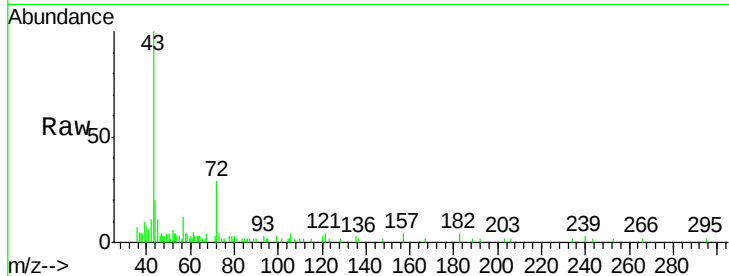
PB116824ZHE#07

Tot Ion: 43 Resp: 10237

Ion Ratio Lower Upper

43 100

72 28.6 22.2 33.2



#33

1,2-Dichloroethane-d4

Concen: 51.769 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007381.D

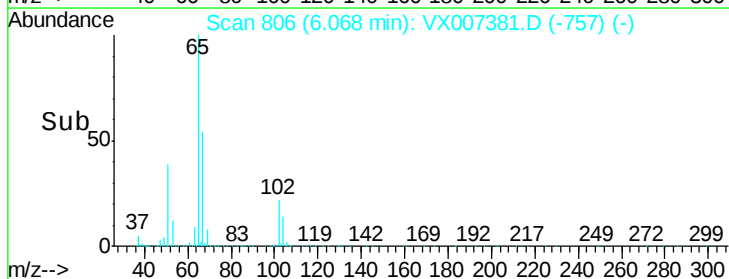
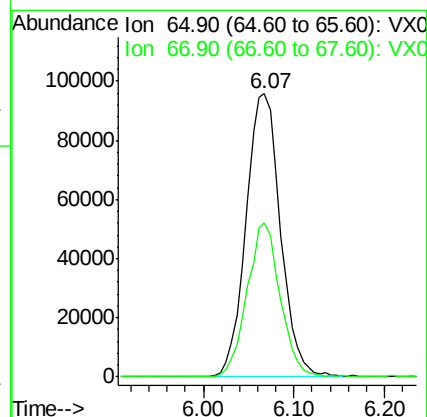
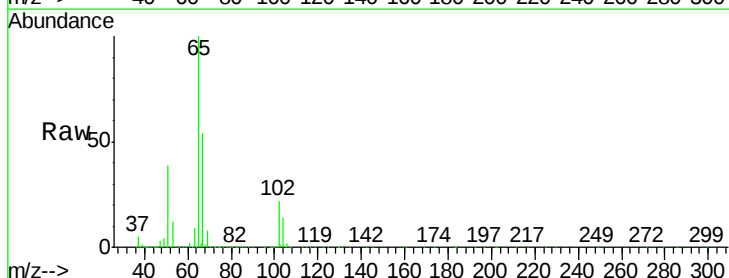
Acq: 05 Feb 2019 17:11

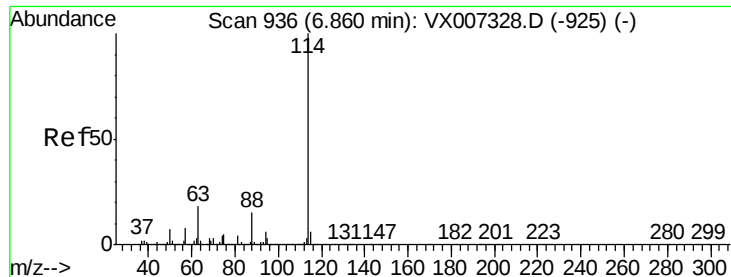
Tgt Ion: 65 Resp: 251678

Ion Ratio Lower Upper

65 100

67 52.2 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

PB116824ZHE#07

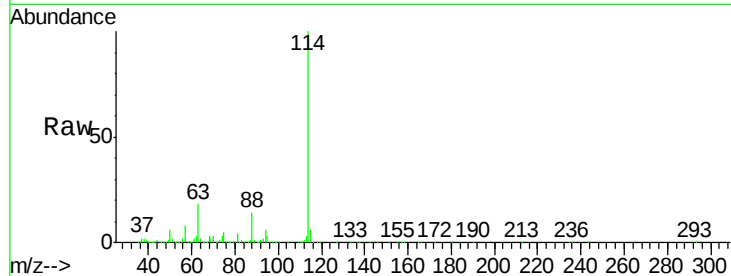
Tot Ion:114 Resp: 713370

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

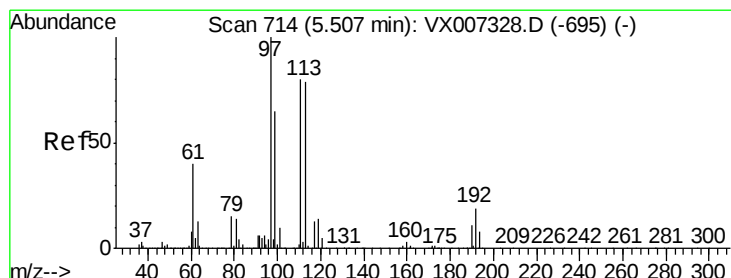
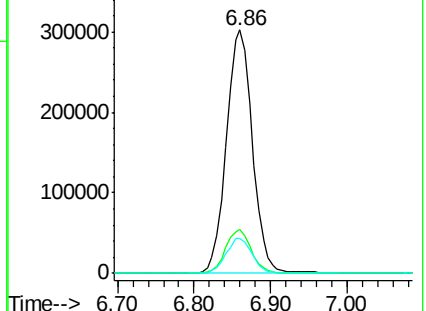
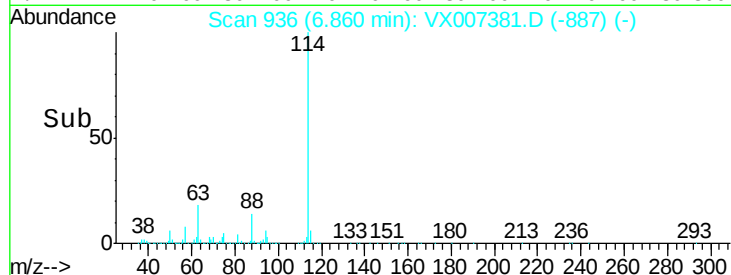
88 14.2 0.0 29.6



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: 47.981 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

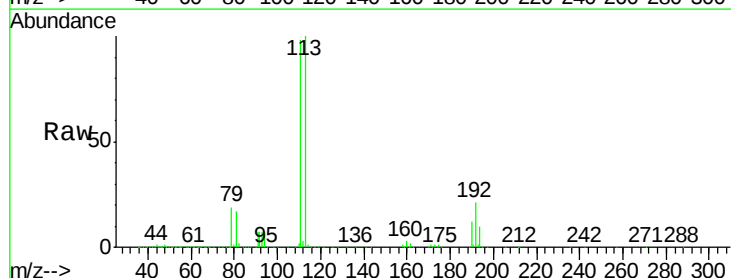
Tgt Ion:113 Resp: 222711

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

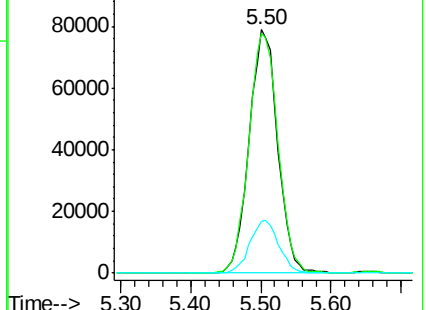
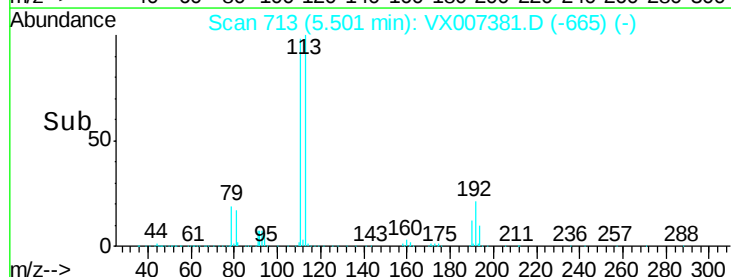
192 22.2 18.5 27.7

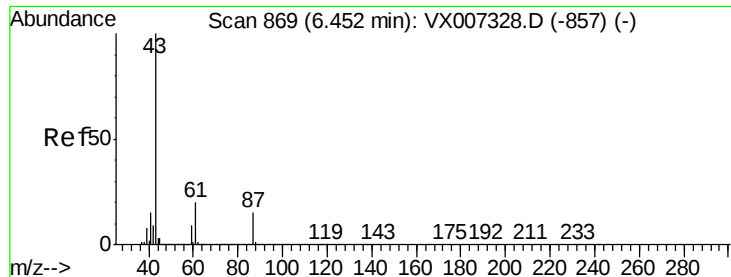


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.428 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.02 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

PB116824ZHE#07

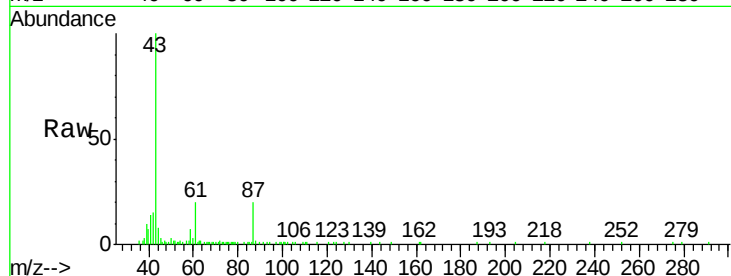
Tot Ion: 43 Resp: 24247

Ion Ratio Lower Upper

43 100

61 22.4 16.1 24.1

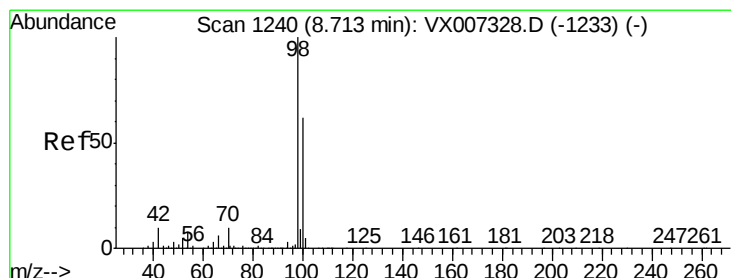
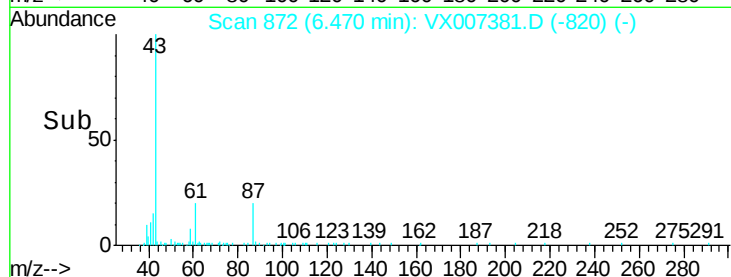
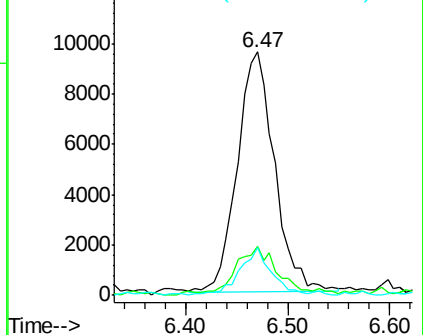
87 16.9 11.5 17.3



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: 49.519 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007381.D

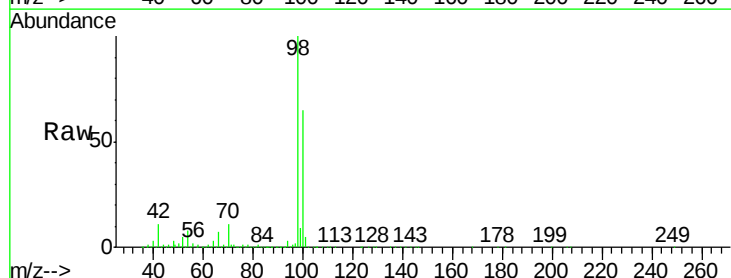
Acq: 05 Feb 2019 17:11

Tgt Ion: 98 Resp: 852784

Ion Ratio Lower Upper

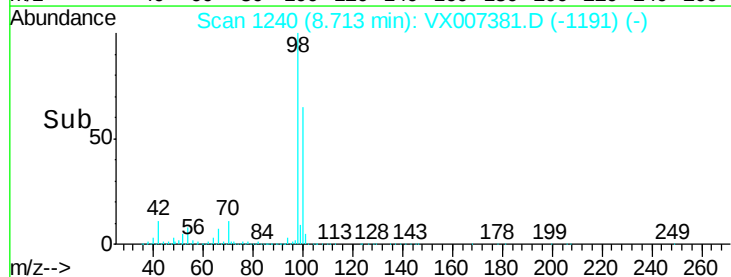
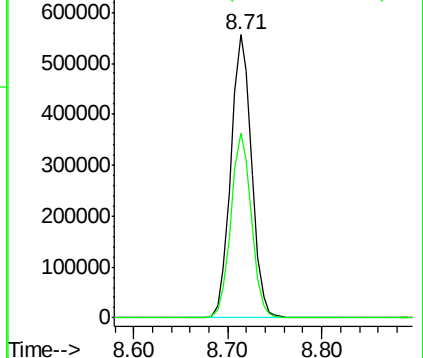
98 100

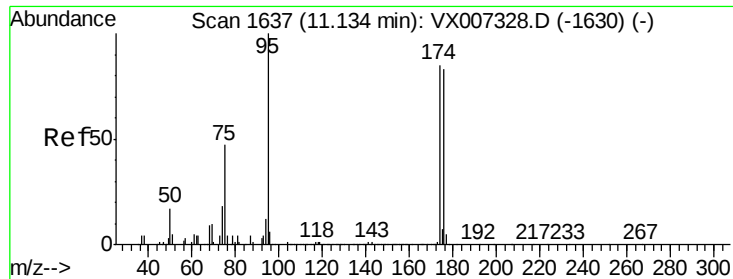
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

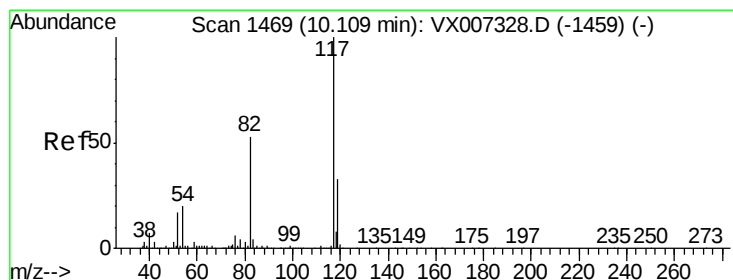
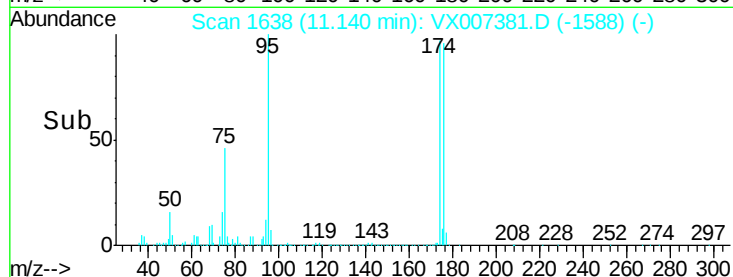
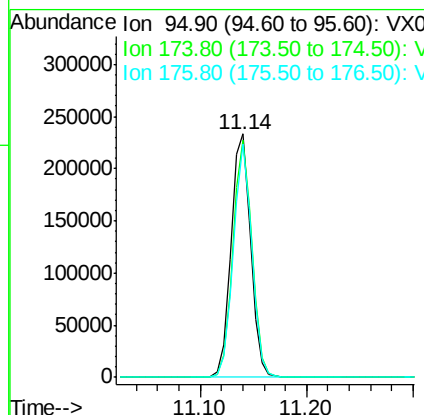
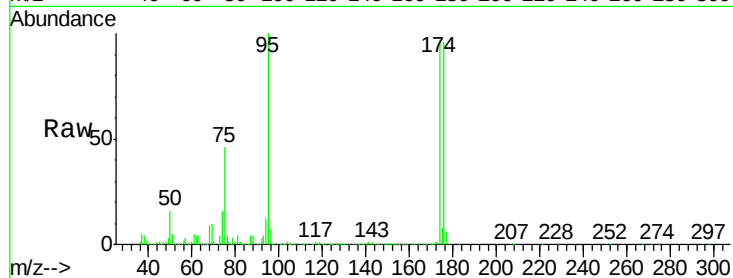




#62  
4-Bromofluorobenzene  
Concen: 48.065 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.01 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

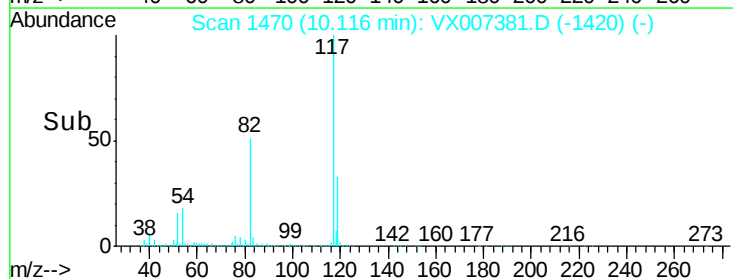
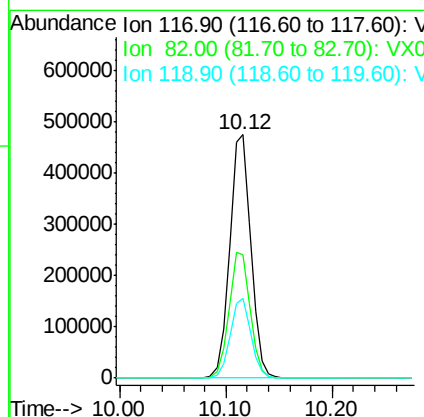
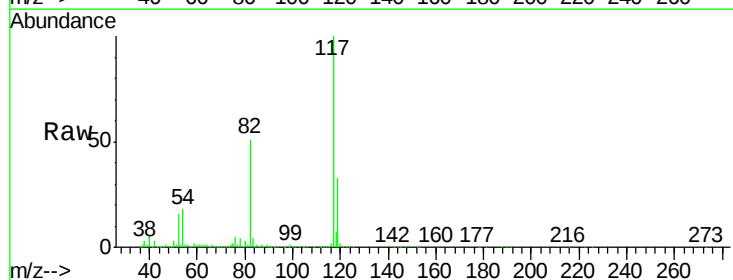
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB116824ZHE#07

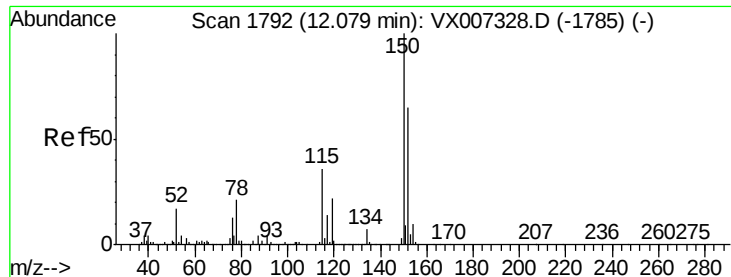
Tot Ion: 95 Resp: 302211  
Ion Ratio Lower Upper  
95 100  
174 94.7 0.0 189.2  
176 91.0 0.0 186.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX007381.D  
Acq: 05 Feb 2019 17:11

Tgt Ion: 117 Resp: 660431  
Ion Ratio Lower Upper  
117 100  
82 50.8 42.1 63.1  
119 32.8 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007381.D

Acq: 05 Feb 2019 17:11

Instrument :

MSVOA\_X

ClientSampleId :

PB116824ZHE#07

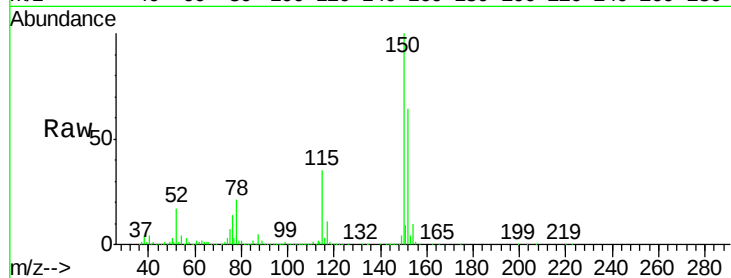
Tot Ion:152 Resp: 334609

Ion Ratio Lower Upper

152 100

115 55.1 38.0 114.0

150 157.1 0.0 346.4



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

