

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
 Data File : VX005978.D  
 Acq On : 14 Nov 2018 17:02  
 Operator : JC/MD  
 Sample : PB114787ZHE#01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114787ZHE#01

Quant Time: Nov 15 01:18:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 07 14:40:53 2018  
 Response via : Initial Calibration

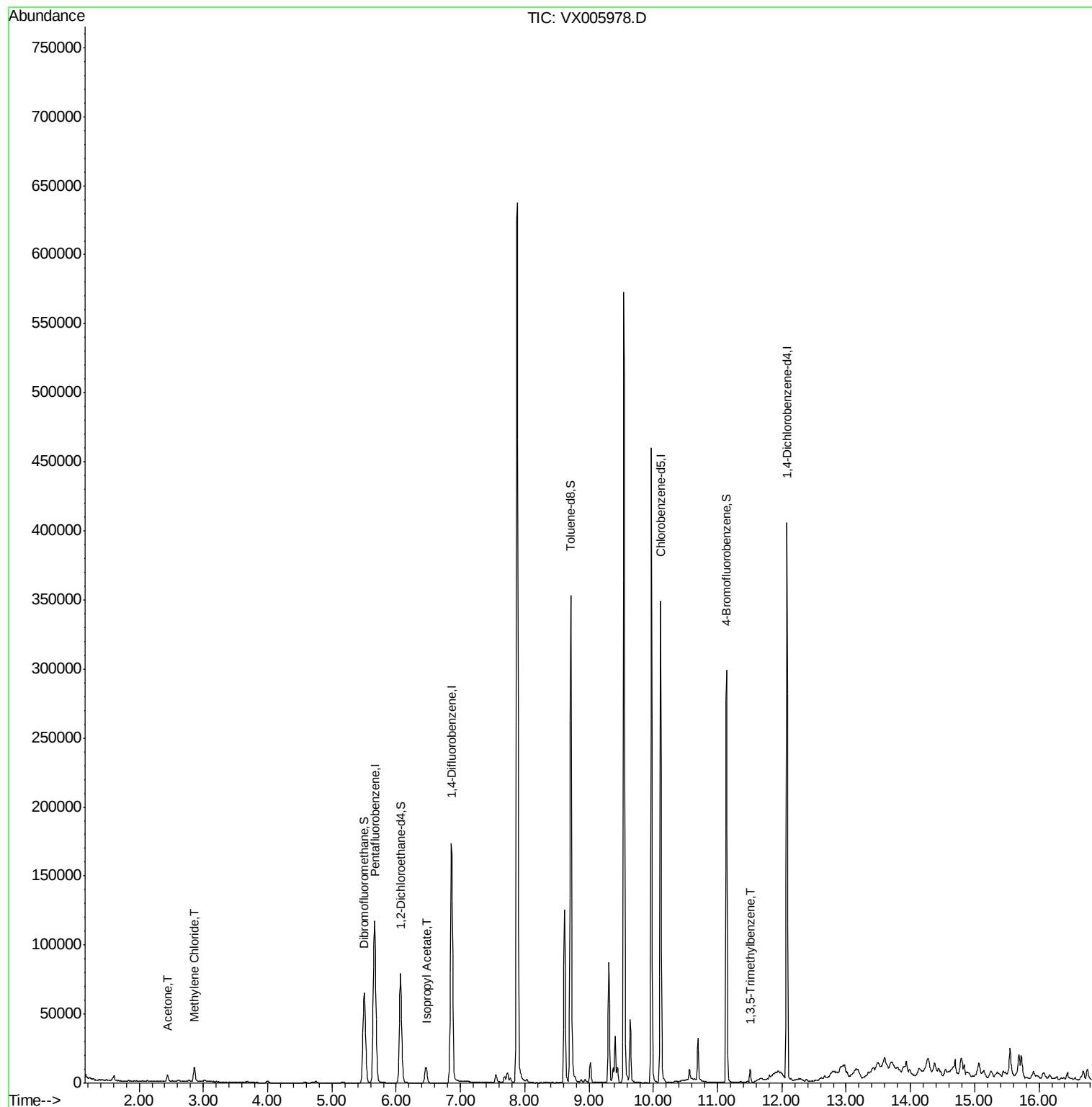
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 121694   | 50.00 | ug/l    | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 176388   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 165726   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 82759    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 73882    | 52.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.62% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 58836    | 49.04 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.08%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 221527   | 55.54 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.08% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 78325    | 54.62 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.24% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.44  | 43   | 5335     | 7.08  | ug/l    | 96       |
| 20) Methylene Chloride      | 2.85  | 84   | 4633     | 3.74  | ug/l    | 88       |
| 43) Isopropyl Acetate       | 6.47  | 43   | 16739    | 5.17  | ug/l    | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.51 | 105  | 4184     | 1.03  | ug/l    | 98       |

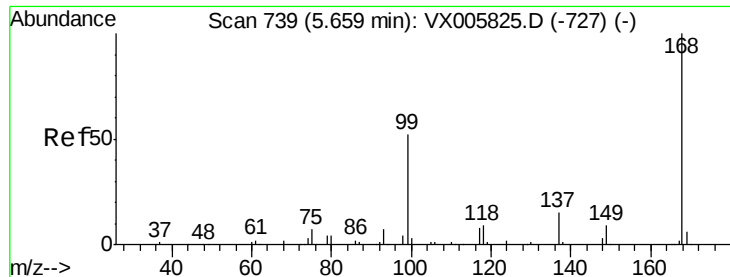
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX005978.D  
Acq On : 14 Nov 2018 17:02  
Operator : JC/MD  
Sample : PB114787ZHE#01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB114787ZHE#01

Quant Time: Nov 15 01:18:39 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 07 14:40:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

Instrument :

MSVOA\_X

ClientSampleId :

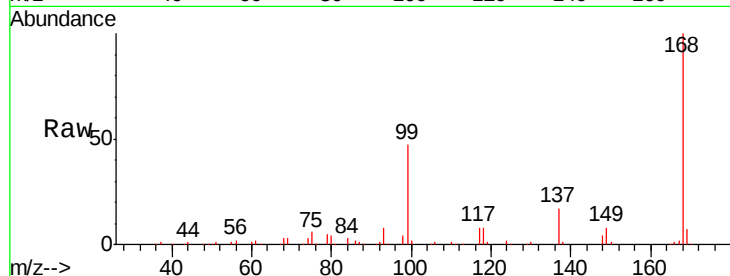
PB114787ZHE#01

Tgt Ion:168 Resp: 121694

Ion Ratio Lower Upper

168 100

99 46.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

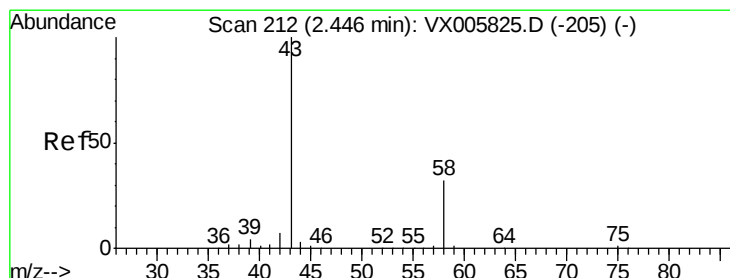
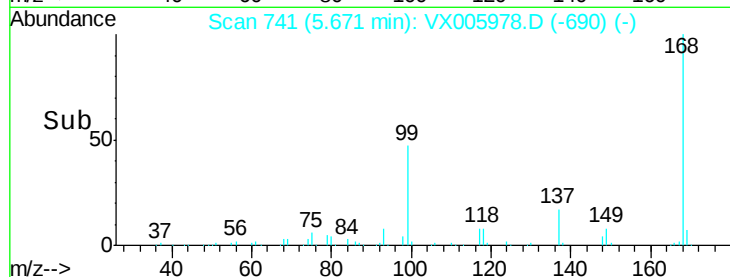
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.08 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005978.D

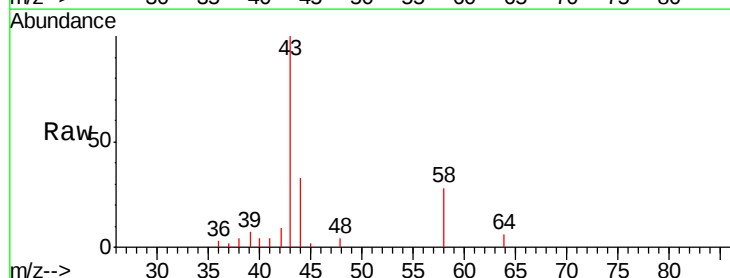
Acq: 14 Nov 2018 17:02

Tgt Ion: 43 Resp: 5335

Ion Ratio Lower Upper

43 100

58 27.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

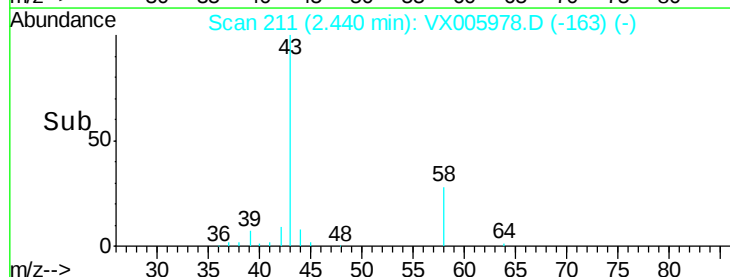
3000

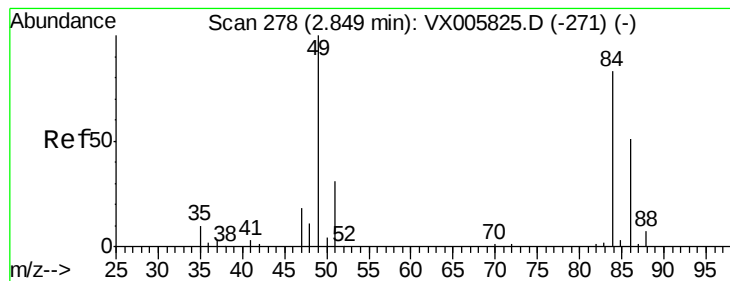
2000

1000

0

Time--> 2.40 2.50





#20

Methylene Chloride

Concen: 3.74 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

Instrument :

MSVOA\_X

ClientSampleId :

PB114787ZHE#01

Tgt Ion: 84 Resp: 4633

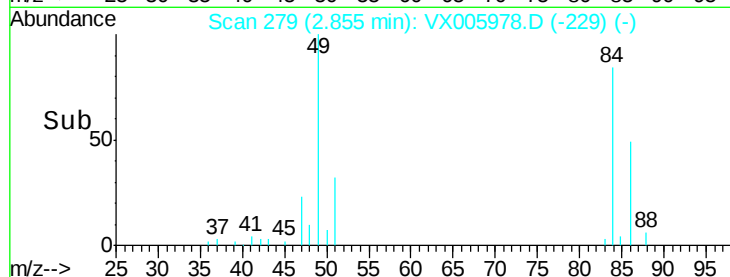
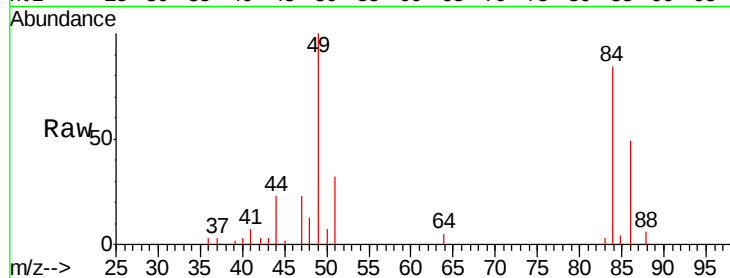
Ion Ratio Lower Upper

84 100

49 118.7 109.5 164.3

51 37.4 33.3 49.9

86 58.5 52.7 79.1

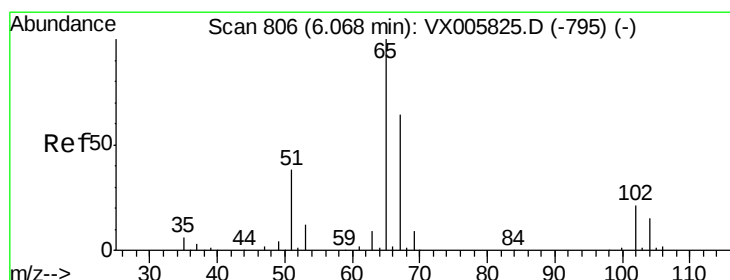
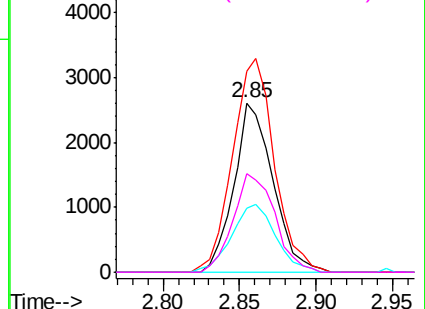


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.81 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005978.D

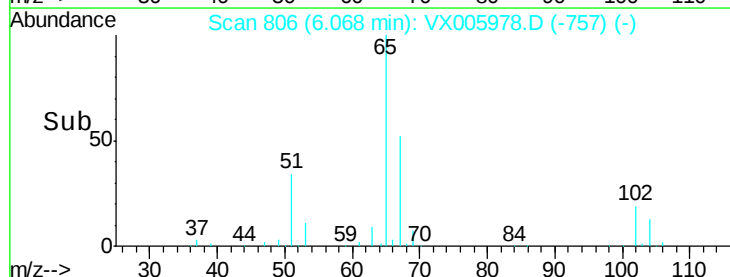
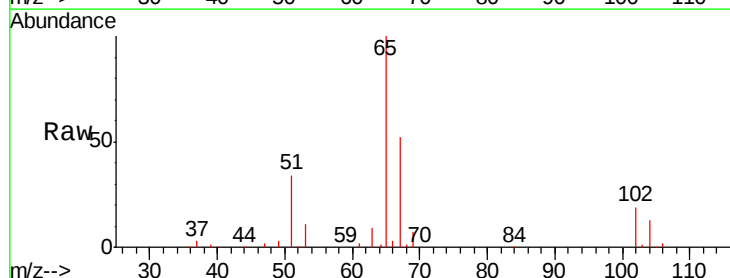
Acq: 14 Nov 2018 17:02

Tgt Ion: 65 Resp: 73882

Ion Ratio Lower Upper

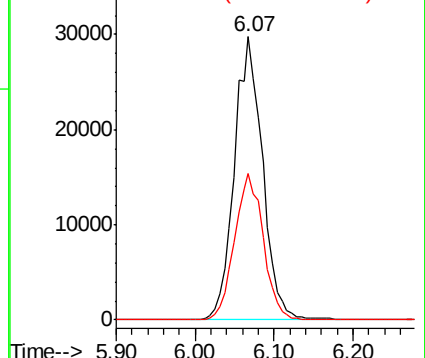
65 100

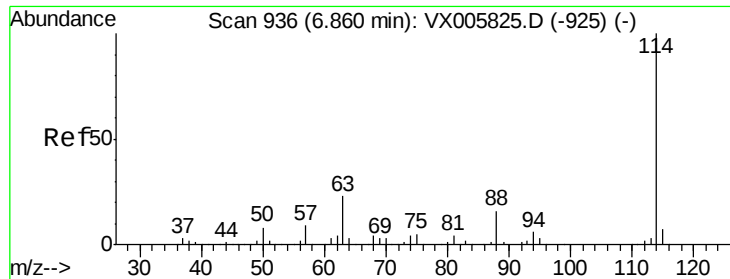
67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

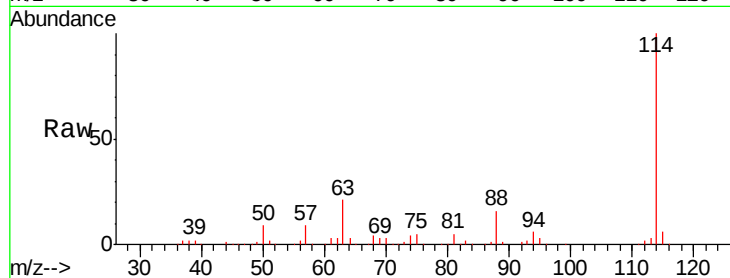




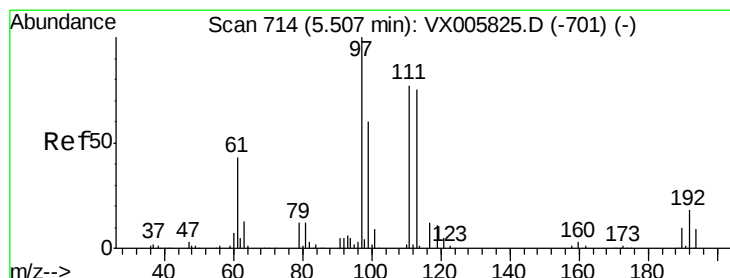
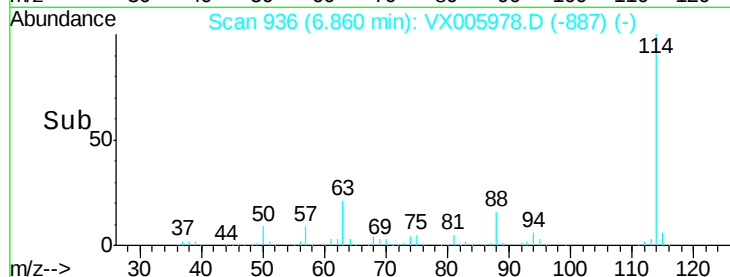
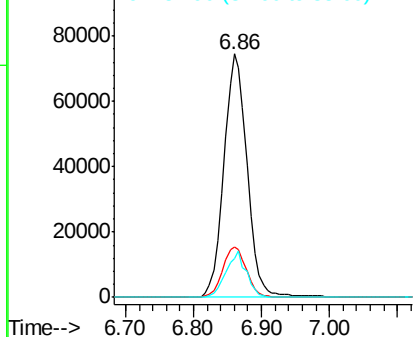
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX005978.D  
 Acq: 14 Nov 2018 17:02

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114787ZHE#01

Tgt Ion:114 Resp: 176388  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 42.8  
 88 15.8 0.0 31.2

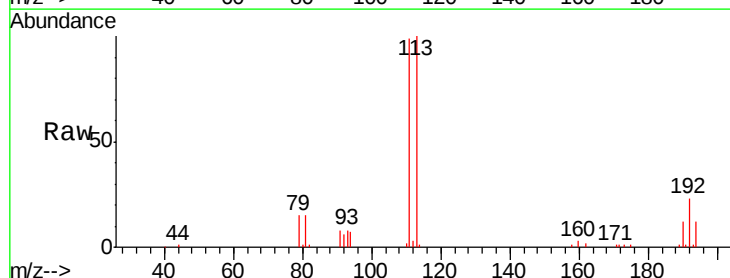


Abundance Ion 113.90 (113.60 to 114.60): V  
 100000  
 Ion 63.00 (62.70 to 63.70): VX  
 Ion 87.90 (87.60 to 88.60): VX

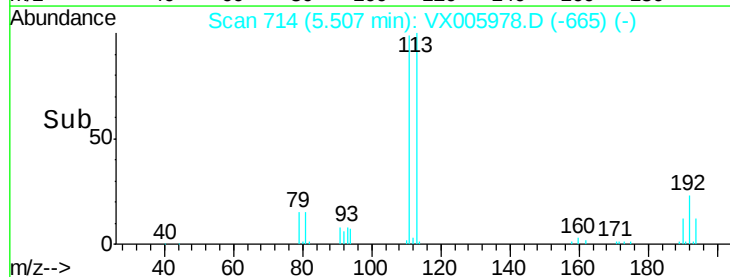
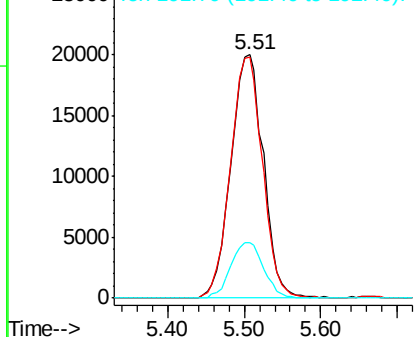


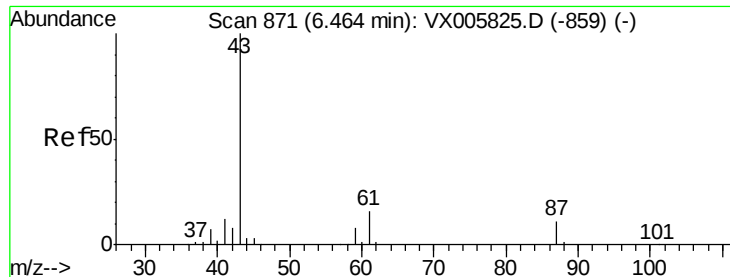
#35  
 Dibromofluoromethane  
 Concen: 49.04 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. -0.00 min  
 Lab File: VX005978.D  
 Acq: 14 Nov 2018 17:02

Tgt Ion:113 Resp: 58836  
 Ion Ratio Lower Upper  
 113 100  
 111 98.0 82.3 123.5  
 192 23.1 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V  
 25000  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

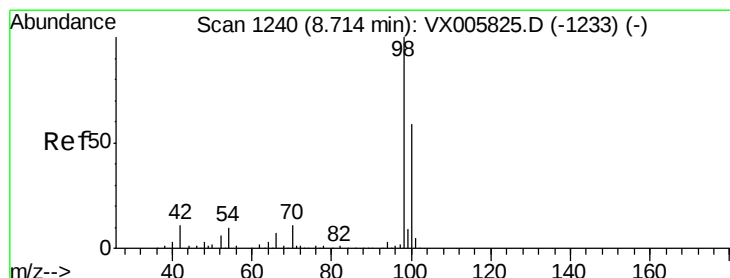
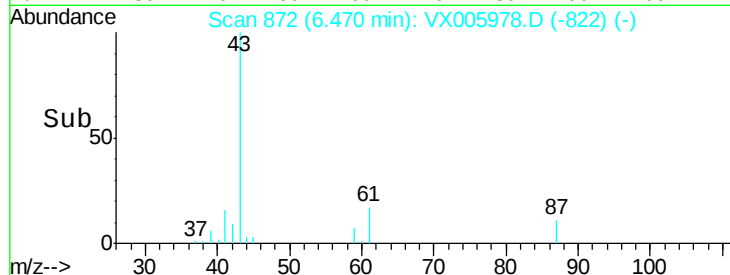
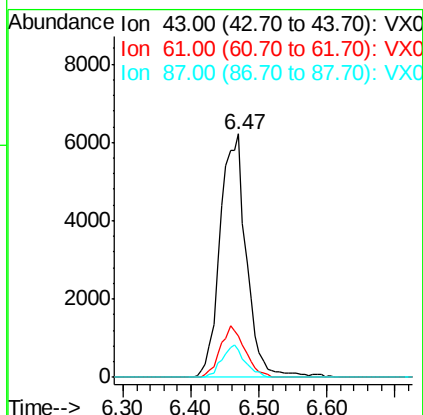
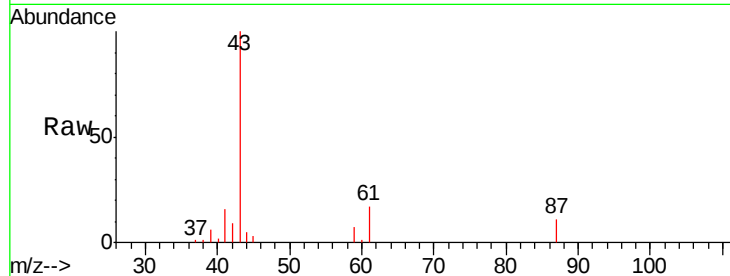




#43  
Isopropyl Acetate  
Concen: 5.17 ug/l  
RT: 6.47 min Scan# 872  
Delta R.T. 0.01 min  
Lab File: VX005978.D  
Acq: 14 Nov 2018 17:02

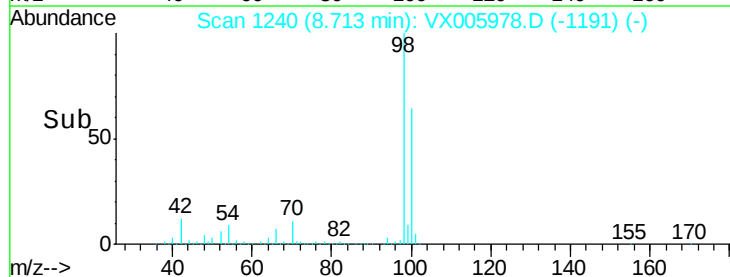
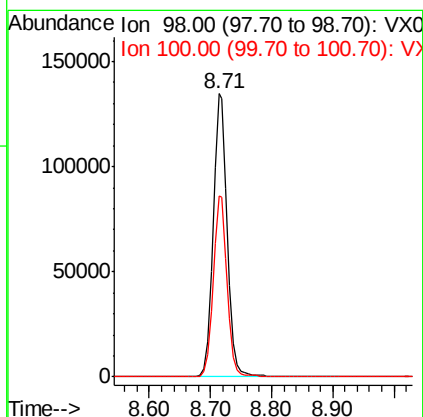
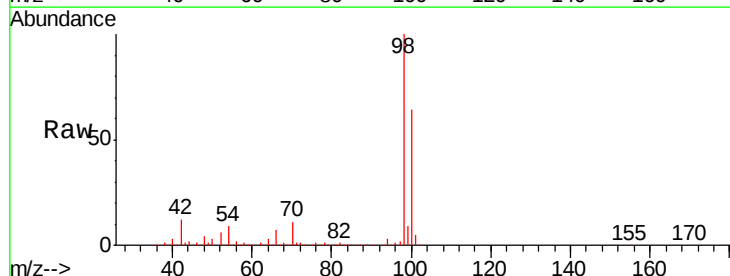
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB114787ZHE#01

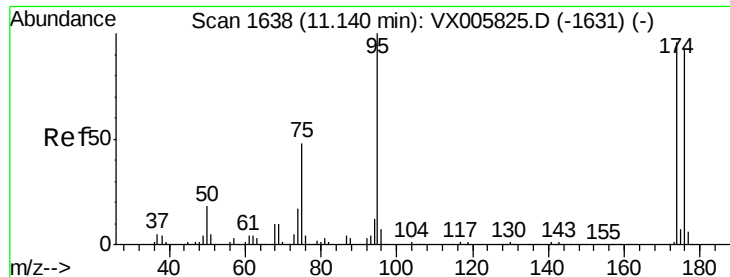
Tgt Ion: 43 Resp: 16739  
Ion Ratio Lower Upper  
43 100  
61 19.4 14.6 22.0  
87 11.5 9.6 14.4



#50  
Toluene-d8  
Concen: 55.54 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX005978.D  
Acq: 14 Nov 2018 17:02

Tgt Ion: 98 Resp: 221527  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.3 76.9





#62

4-Bromofluorobenzene

Concen: 54.62 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

Instrument :

MSVOA\_X

ClientSampleId :

PB114787ZHE#01

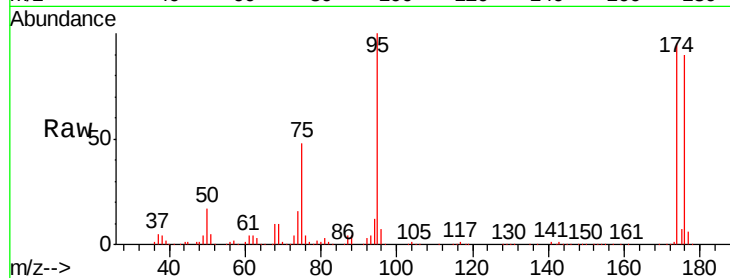
Tgt Ion: 95 Resp: 78325

Ion Ratio Lower Upper

95 100

174 89.9 0.0 184.4

176 86.3 0.0 177.4

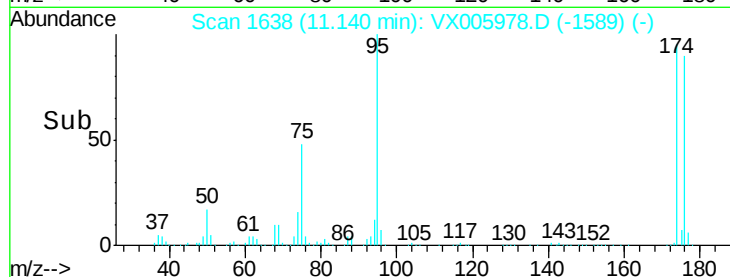


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)

Time-->

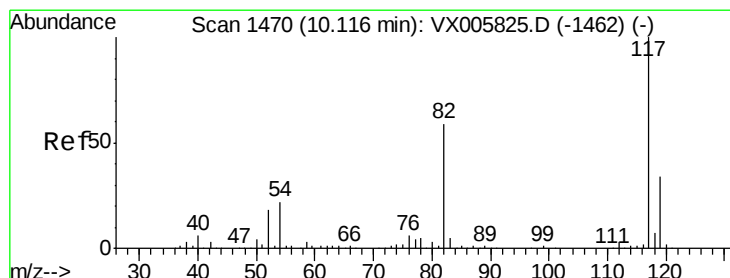


Abundance Ion 94.90 (94.60 to 95.60): VX005978.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005978.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005978.D (-1589) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

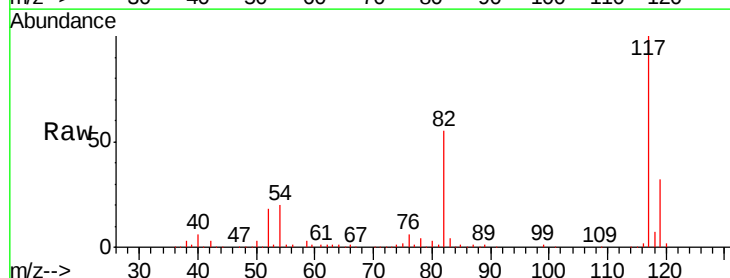
Tgt Ion: 117 Resp: 165726

Ion Ratio Lower Upper

117 100

82 55.0 44.1 66.1

119 32.3 26.2 39.2

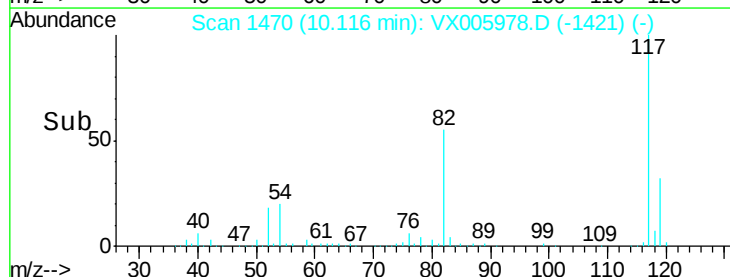


Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)

Time-->

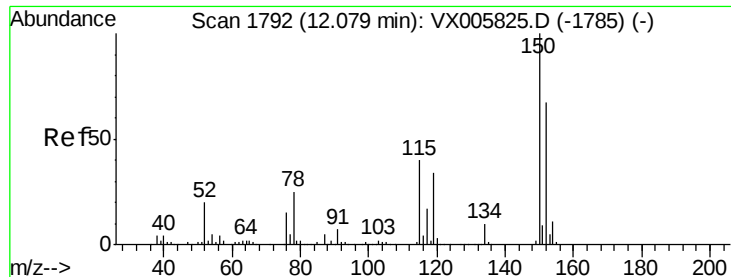


Abundance Ion 116.90 (116.60 to 117.60): VX005978.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005978.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005978.D (-1421) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

Instrument :

MSVOA\_X

ClientSampleId :

PB114787ZHE#01

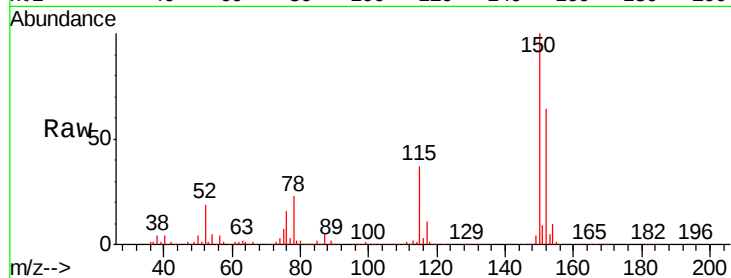
Tgt Ion:152 Resp: 82759

Ion Ratio Lower Upper

152 100

115 56.7 39.4 118.1

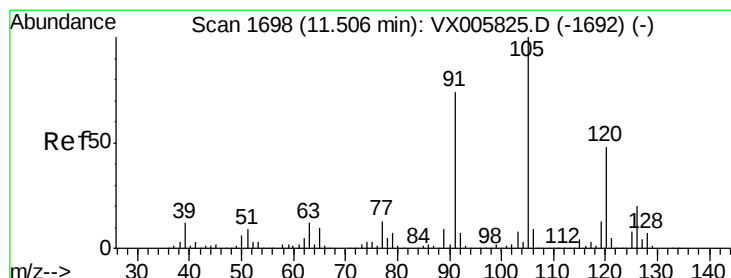
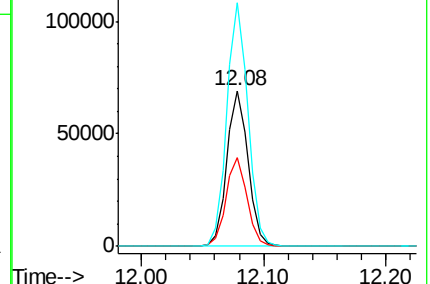
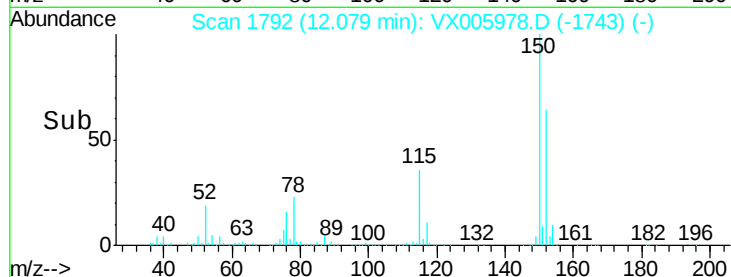
150 157.2 0.0 346.4



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



#80

1,3,5-Trimethylbenzene

Concen: 1.03 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005978.D

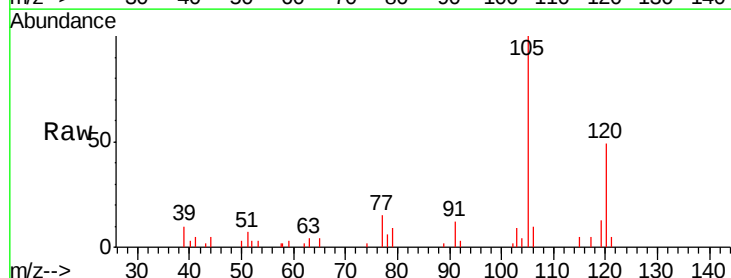
Acq: 14 Nov 2018 17:02

Tgt Ion:105 Resp: 4184

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

