

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006475.D
 Acq On : 13 Dec 2018 05:32
 Operator : JC/MD
 Sample : J6344-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-200031

Quant Time: Dec 13 07:49:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

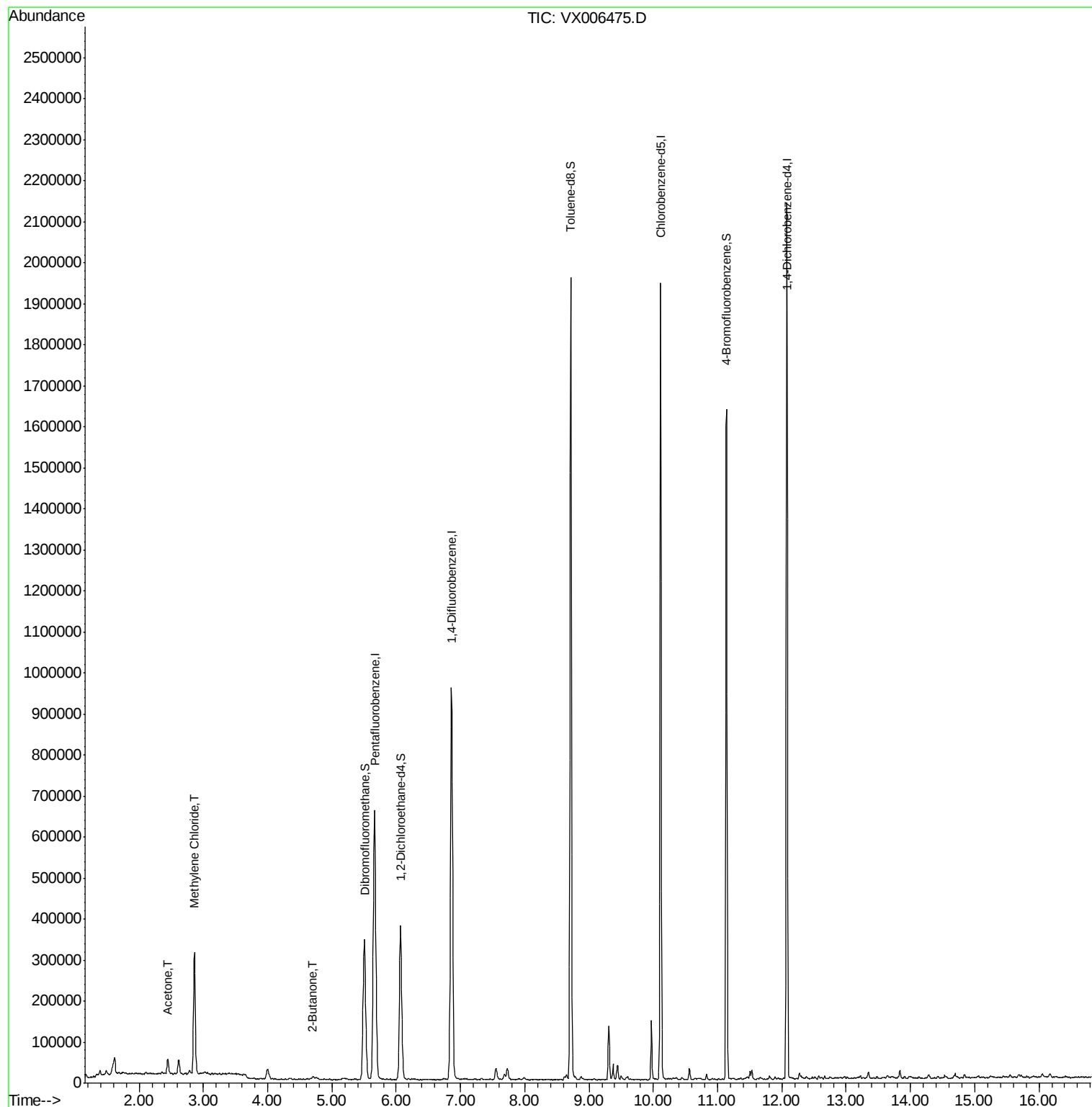
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	671968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1038057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	956765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	462398	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	351539	51.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.50%	
35) Dibromofluoromethane	5.51	113	294161	43.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.54%	
50) Toluene-d8	8.71	98	1228765	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.13	95	446479	48.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.94%	
Target Compounds						
16) Acetone	2.45	43	40127	12.465	ug/l #	89
20) Methylene Chloride	2.86	84	142142	20.747	ug/l	90
25) 2-Butanone	4.70	43	12117	2.638	ug/l	97

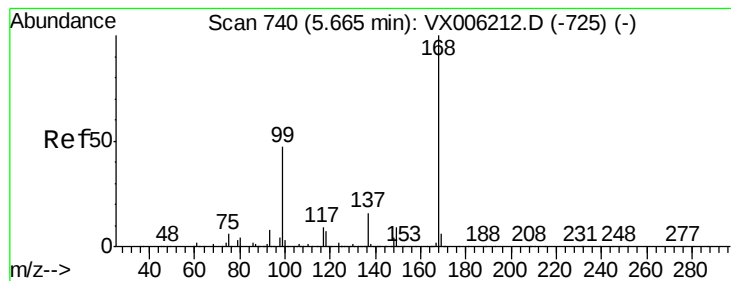
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006475.D

Acq: 13 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

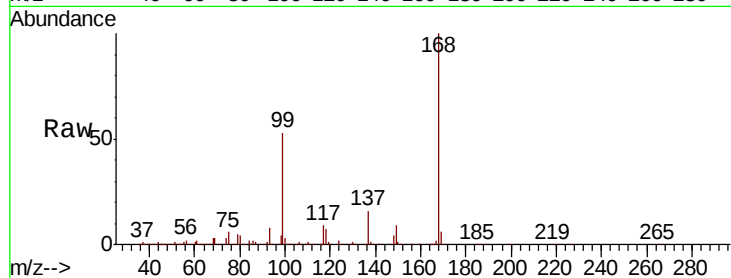
RBR-200031

Tot Ion:168 Resp: 671968

Ion Ratio Lower Upper

168 100

99 53.2 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

150000

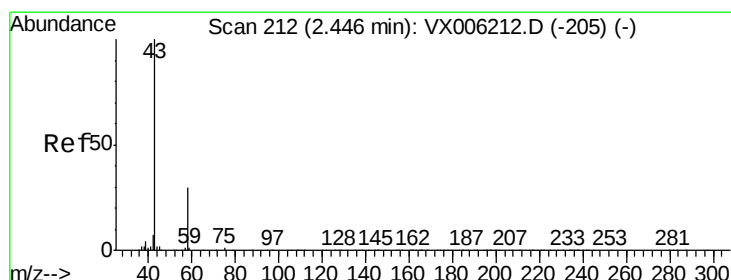
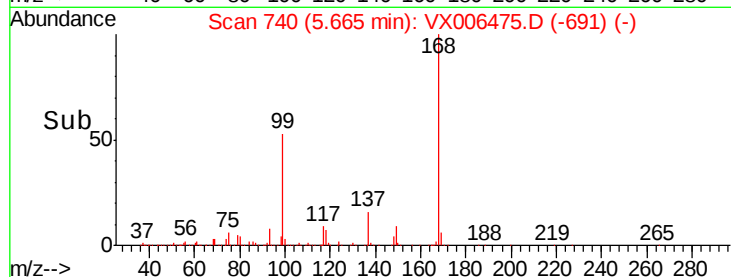
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 12.465 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006475.D

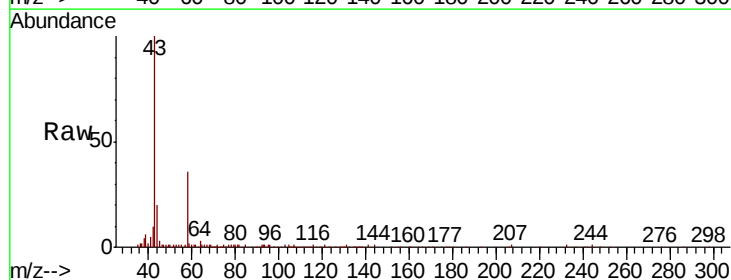
Acq: 13 Dec 2018 05:32

Tgt Ion: 43 Resp: 40127

Ion Ratio Lower Upper

43 100

58 36.0 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

25000

20000

15000

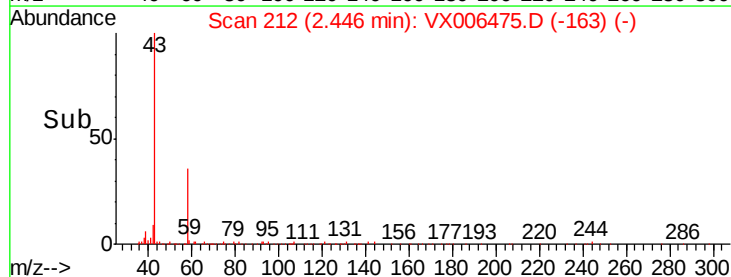
10000

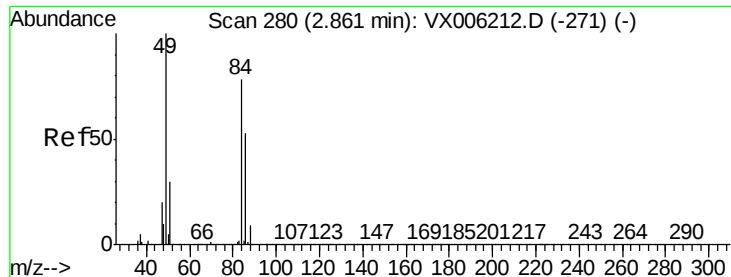
5000

0

Time-->

2.40 2.45 2.50

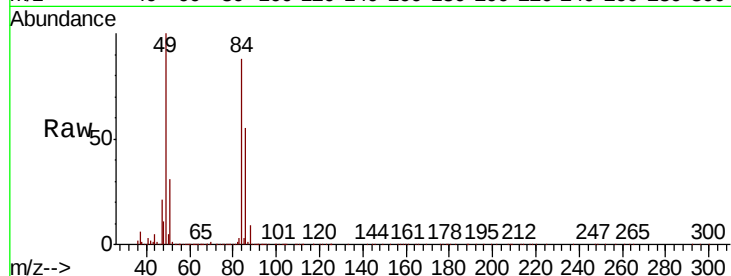




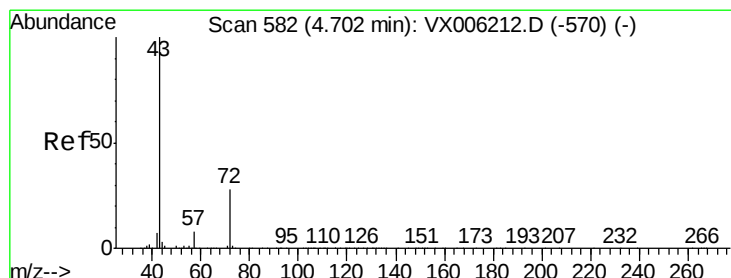
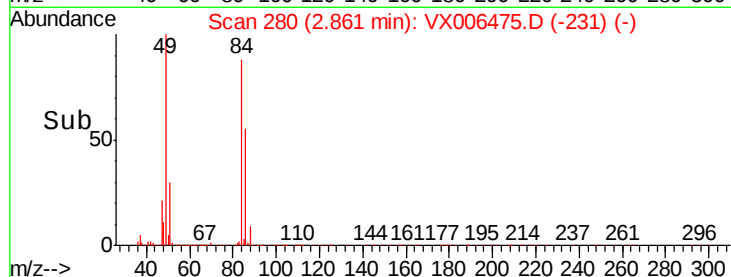
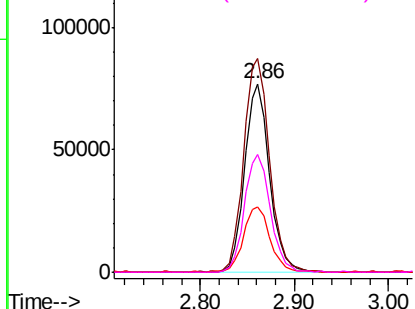
#20
Methvlene Chloride
Concen: 20.747 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006475.D
Acq: 13 Dec 2018 05:32

Instrument :
MSVOA_X
ClientSampleId :
RBR-200031

Tot Ion: 84 Resp: 142142
Ion Ratio Lower Upper
84 100
49 113.3 102.2 153.4
51 34.5 31.1 46.7
86 62.3 53.7 80.5

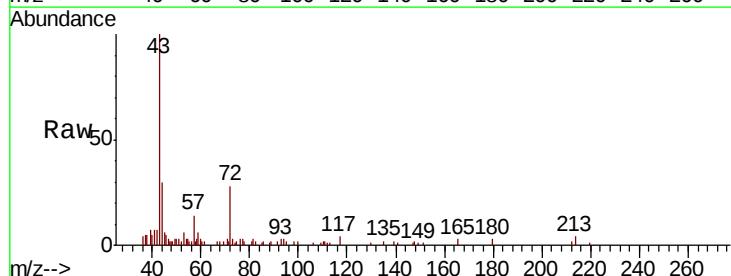


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

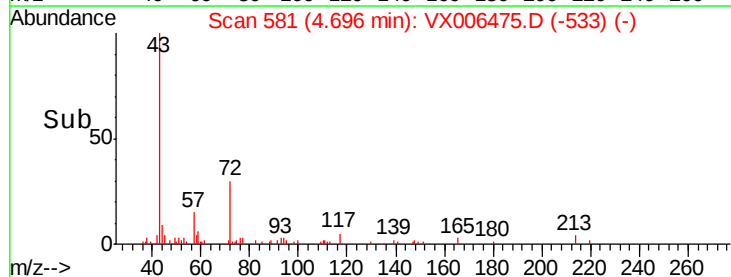
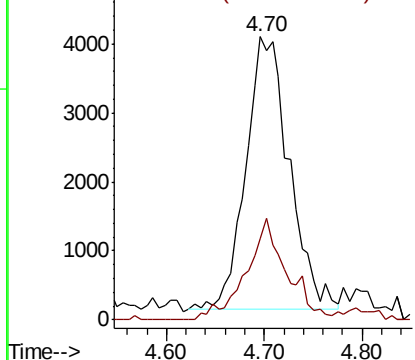


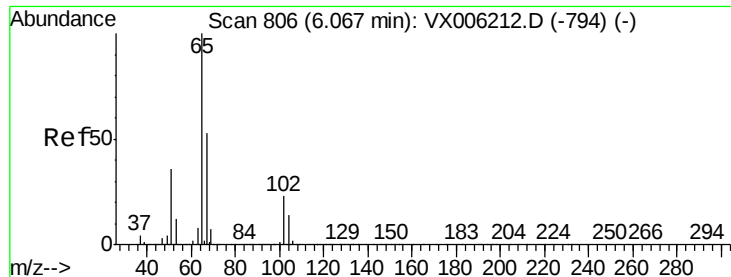
#25
2-Butanone
Concen: 2.638 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX006475.D
Acq: 13 Dec 2018 05:32

Tgt Ion: 43 Resp: 12117
Ion Ratio Lower Upper
43 100
72 29.7 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.247 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006475.D

Acq: 13 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

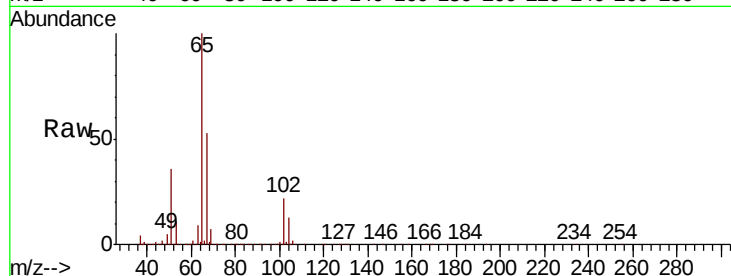
RBR-200031

Tot Ion: 65 Resp: 351539

Ion Ratio Lower Upper

65 100

67 54.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

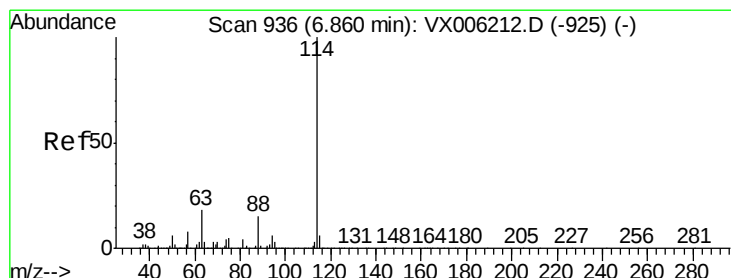
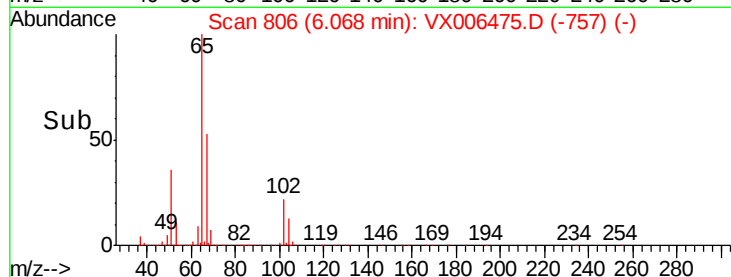
150000

100000

50000

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: VX006475.D

Acq: 13 Dec 2018 05:32

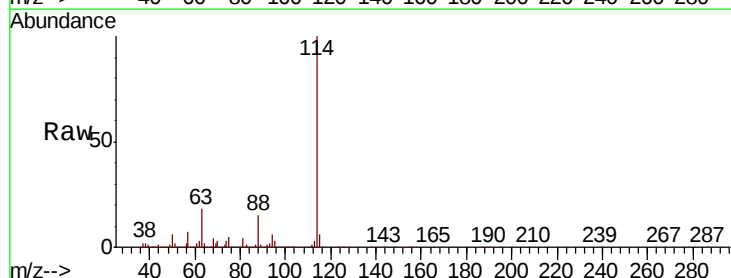
Tgt Ion: 114 Resp: 1038057

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 14.8 0.0 29.0



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

600000

500000

400000

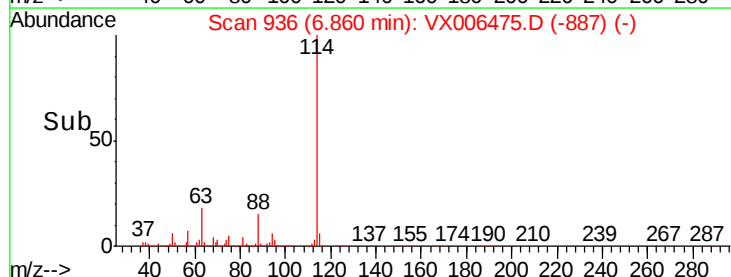
300000

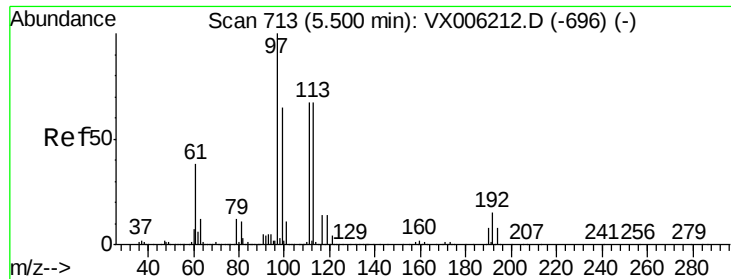
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 43.767 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006475.D

Acq: 13 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampled :

RBR-200031

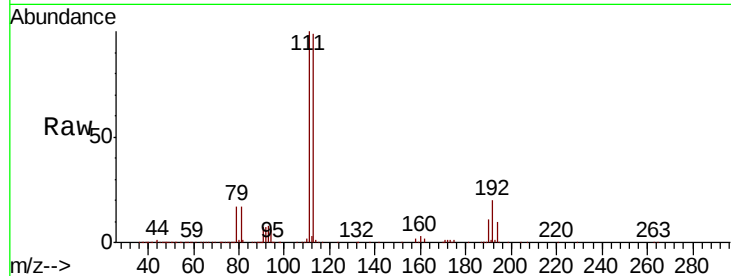
Tot Ion:113 Resp: 294161

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

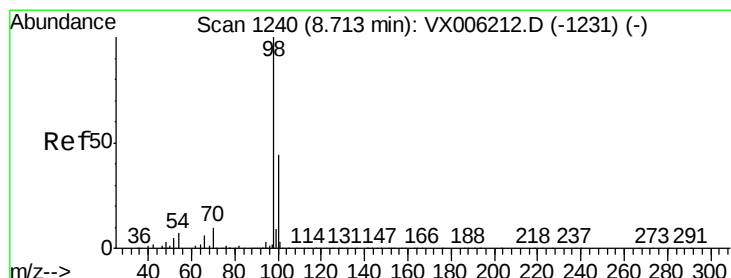
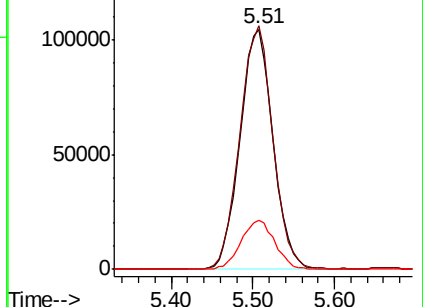
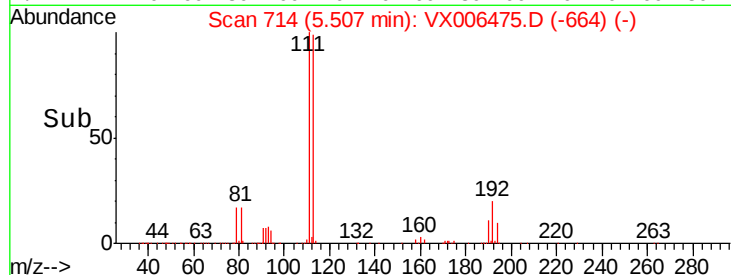
192 20.9 18.2 27.2



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



#50

Toluene-d8

Concen: 50.262 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006475.D

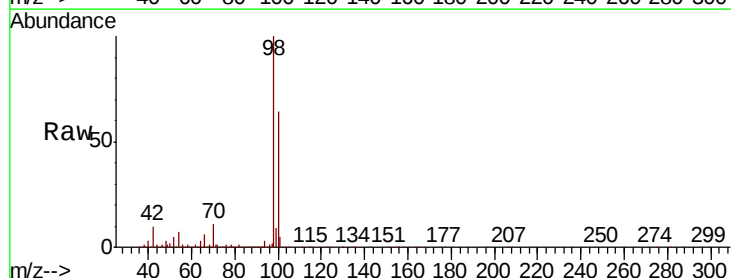
Acq: 13 Dec 2018 05:32

Tgt Ion: 98 Resp: 1228765

Ion Ratio Lower Upper

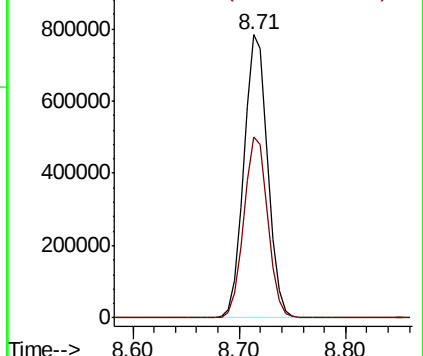
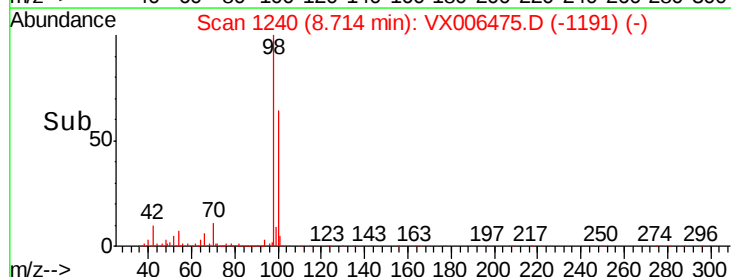
98 100

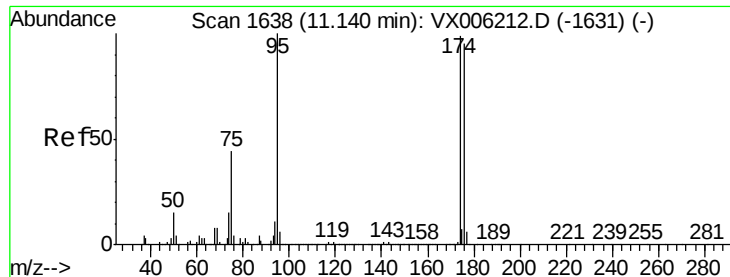
100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

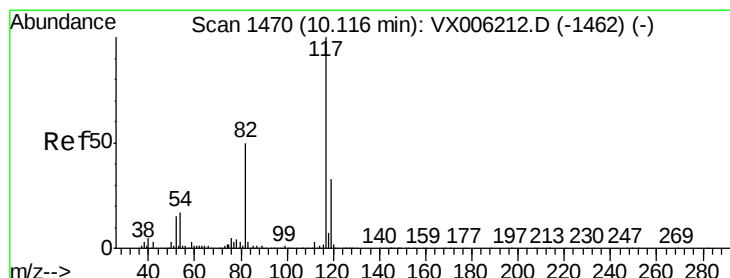
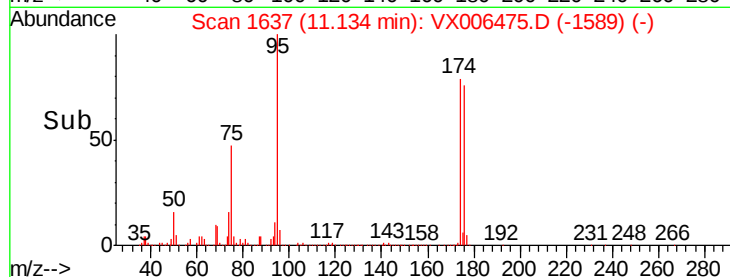
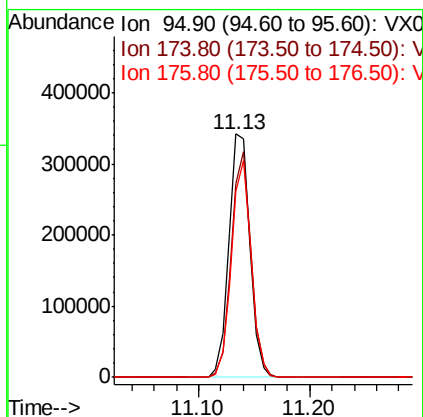
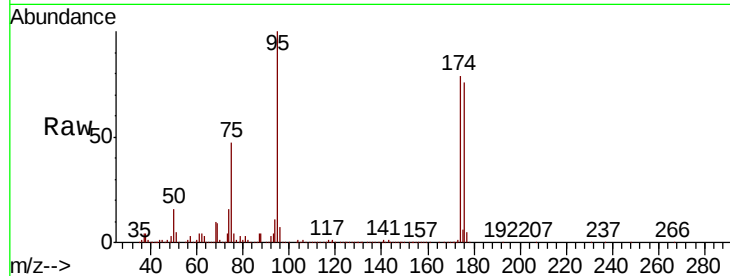




#62
4-Bromofluorobenzene
Concen: 48.465 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006475.D
Acq: 13 Dec 2018 05:32

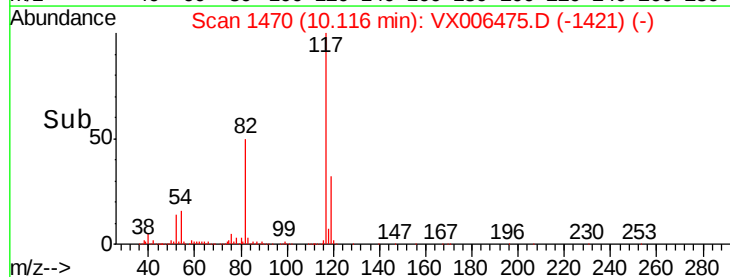
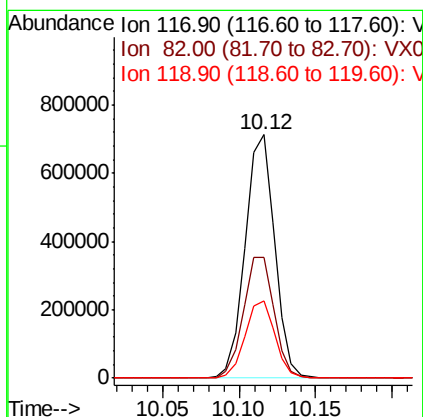
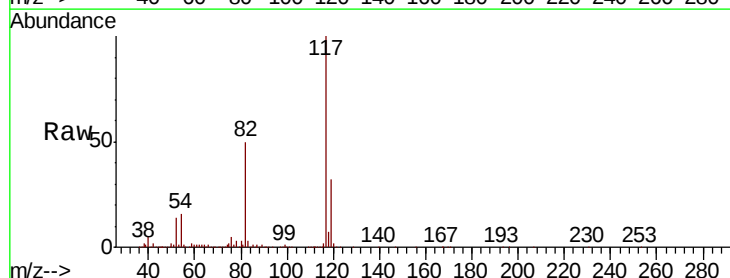
Instrument :
MSVOA_X
ClientSampleId :
RBR-200031

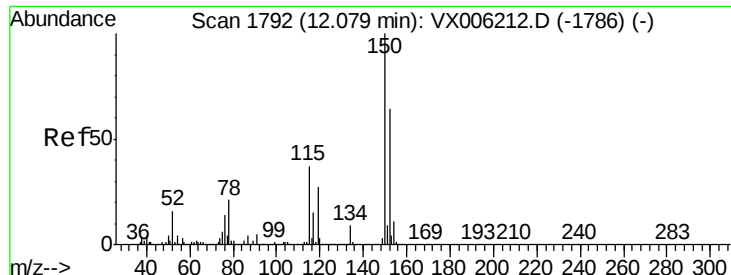
Tot Ion: 95 Resp: 446479
Ion Ratio Lower Upper
95 100
174 87.1 0.0 187.0
176 83.8 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006475.D
Acq: 13 Dec 2018 05:32

Tgt Ion: 117 Resp: 956765
Ion Ratio Lower Upper
117 100
82 49.6 39.6 59.4
119 31.9 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006475.D

Acq: 13 Dec 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

RBR-200031

Tot Ion:152 Resp: 462398

Ion Ratio Lower Upper

152 100

115 56.5 39.0 116.9

150 154.1 0.0 345.8

