

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000525.D
 Acq On : 29 Mar 2018 20:40
 Operator : JC/MD
 Sample : J2098-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LIP-22

Quant Time: Mar 30 07:50:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	100719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	184406	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	186858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	99251	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	76440	58.14	ug/l	0.00
Spiked Amount						
			Recovery	=	116.28%	
35) Dibromofluoromethane	5.52	113	58519	50.36	ug/l	0.00
Spiked Amount						
			Recovery	=	100.72%	
50) Toluene-d8	8.73	98	237600	49.37	ug/l	0.00
Spiked Amount						
			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.15	95	83679	42.24	ug/l	0.00
Spiked Amount						
			Recovery	=	84.48%	

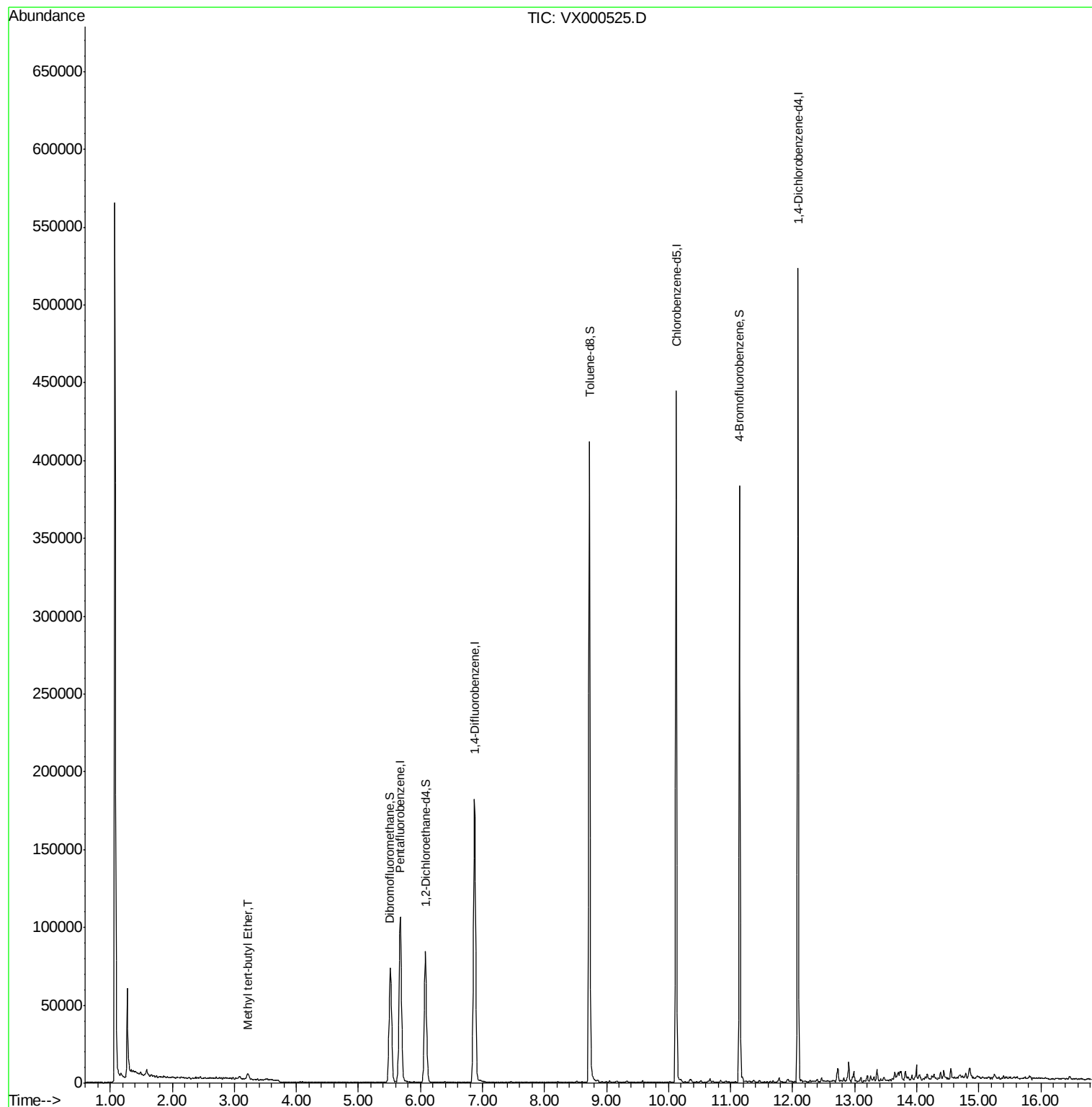
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.21	73	3838	0.95	ug/l	# 86

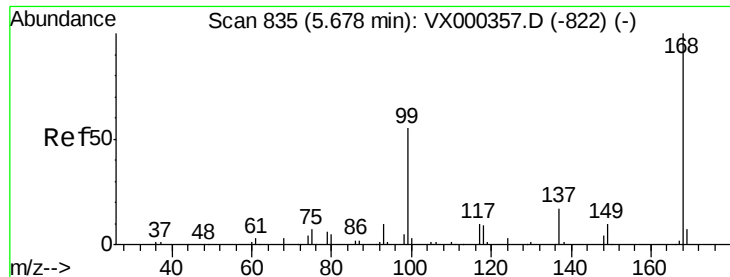
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000525.D

Acq: 29 Mar 2018 20:40

Instrument :

MSVOA_X

ClientSampled :

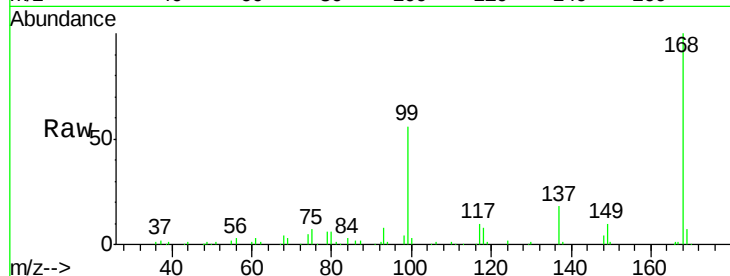
LIP-22

Tot Ion:168 Resp: 100719

Ion Ratio Lower Upper

168 100

99 56.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

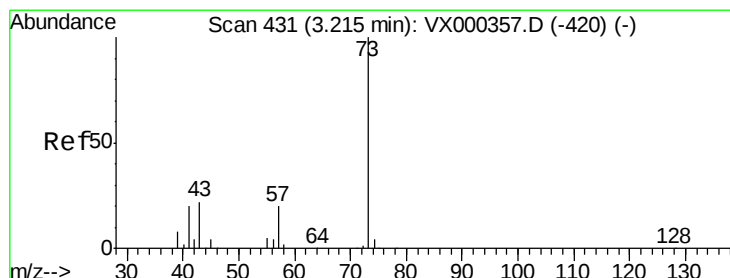
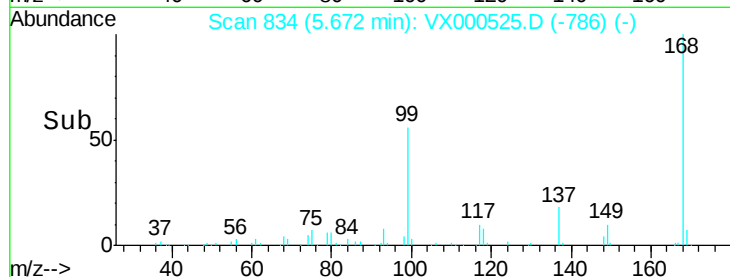
20000

10000

0

Time-->

5.60 5.70 5.80



#19

Methyl tert-butyl Ether

Concen: 0.95 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000525.D

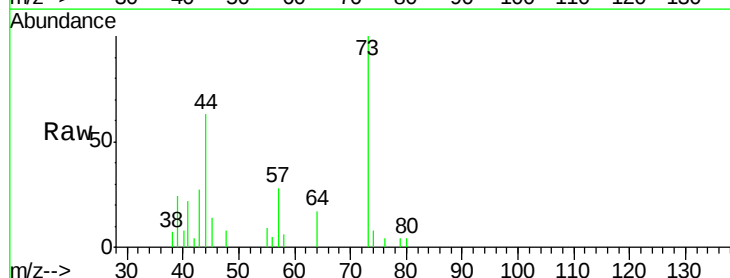
Acq: 29 Mar 2018 20:40

Tgt Ion: 73 Resp: 3838

Ion Ratio Lower Upper

73 100

57 27.9 17.2 25.8#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

1500

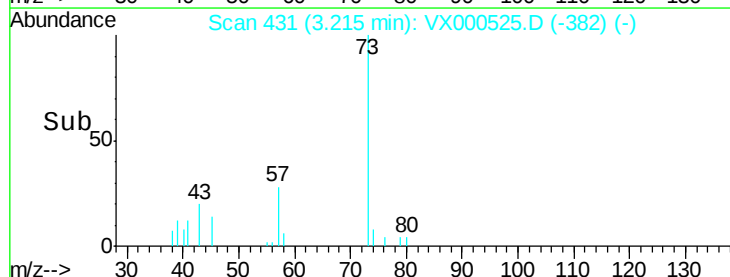
1000

500

0

Time-->

3.15 3.20 3.25 3.30





#33

1,2-Dichloroethane-d4

Concen: 58.14 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000525.D

Acq: 29 Mar 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

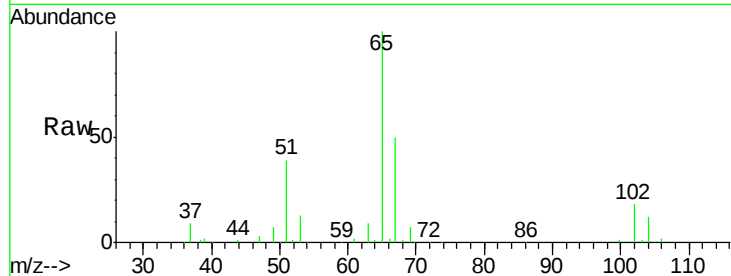
LIP-22

Tot Ion: 65 Resp: 76440

Ion Ratio Lower Upper

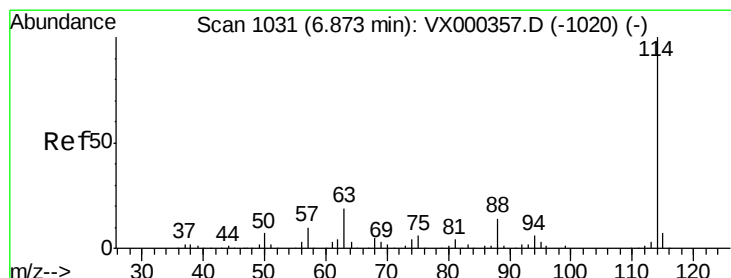
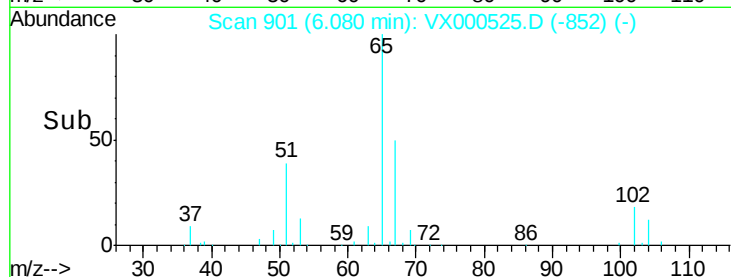
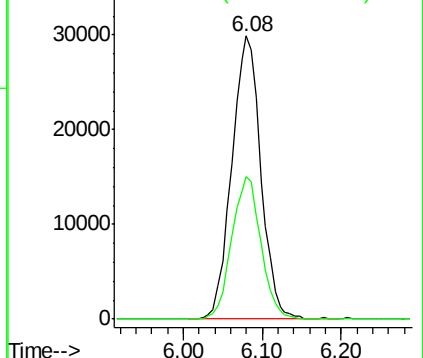
65 100

67 50.4 0.0 103.2



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: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000525.D

Acq: 29 Mar 2018 20:40

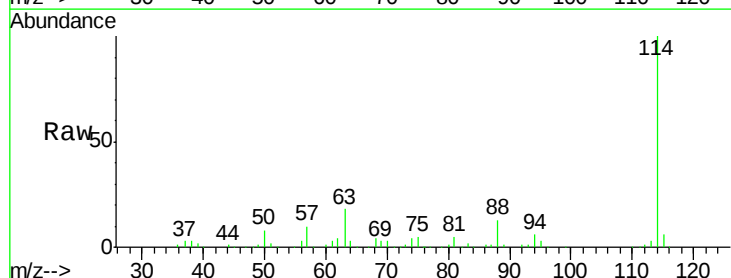
Tgt Ion: 114 Resp: 184406

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

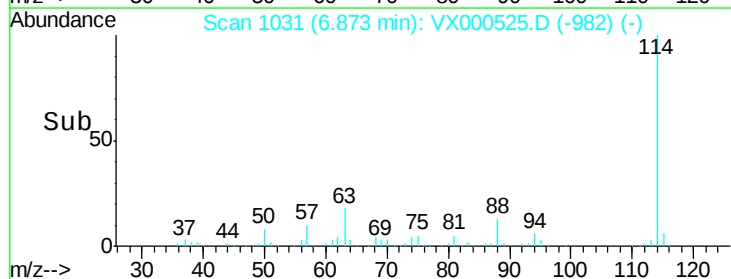
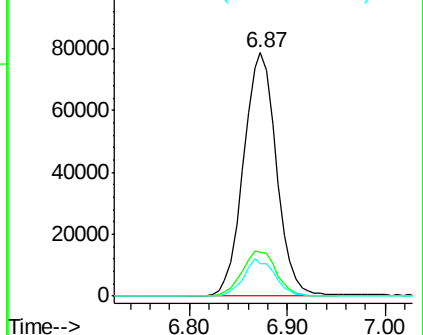
88 13.4 0.0 27.0

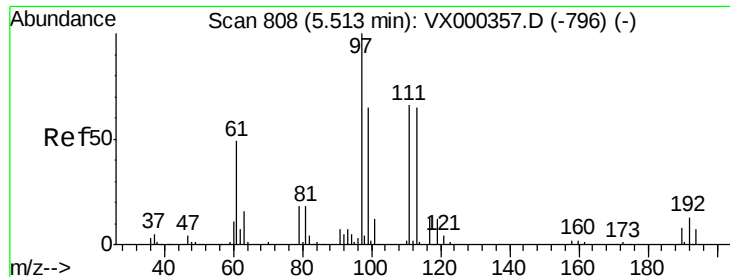


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.36 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000525.D

Acq: 29 Mar 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

LIP-22

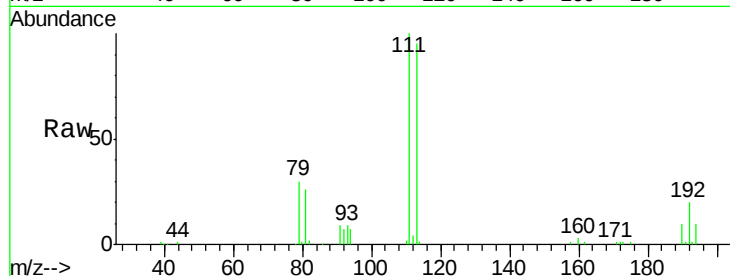
Tot Ion:113 Resp: 58519

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

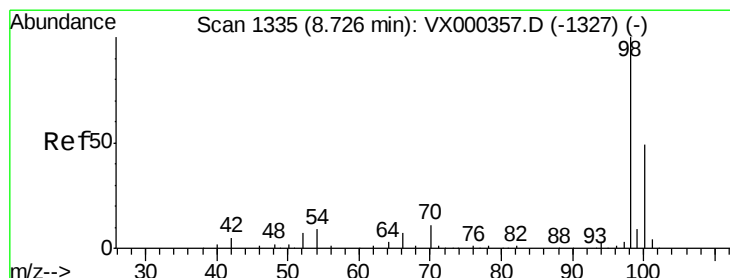
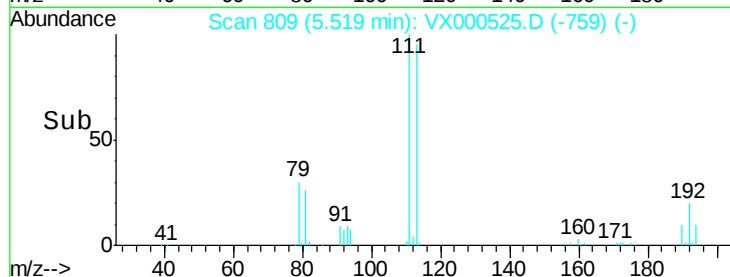
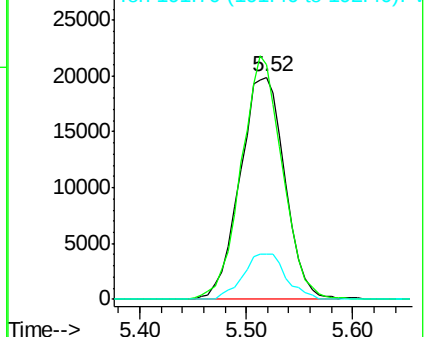
192 19.6 15.8 23.6



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: 49.37 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000525.D

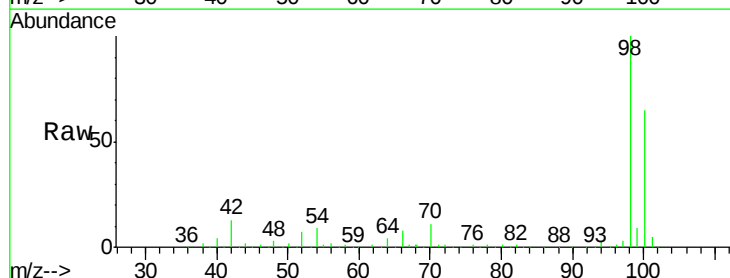
Acq: 29 Mar 2018 20:40

Tgt Ion: 98 Resp: 237600

Ion Ratio Lower Upper

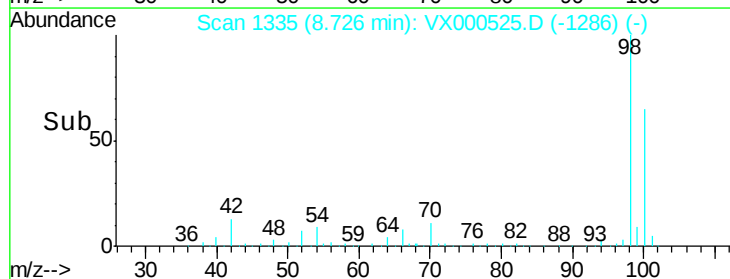
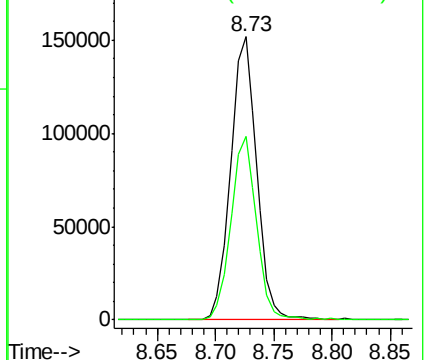
98 100

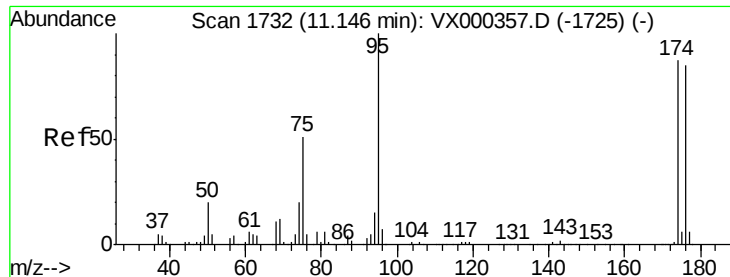
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

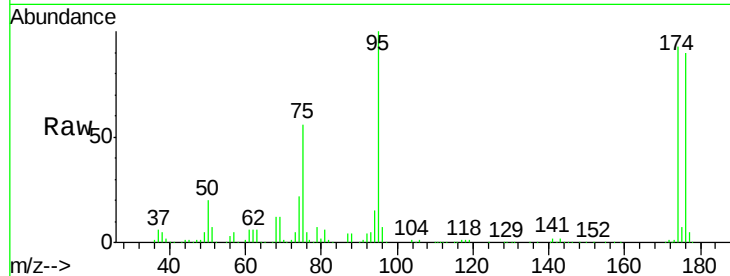




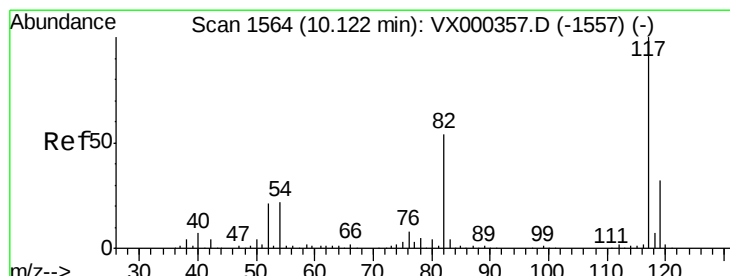
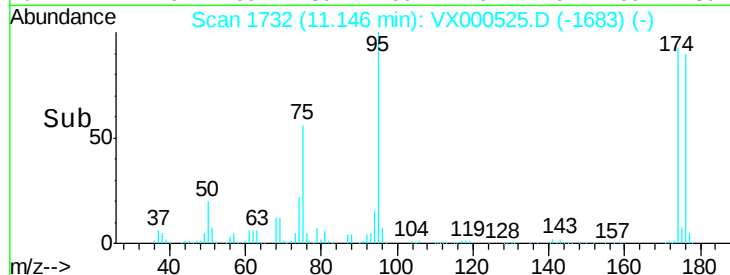
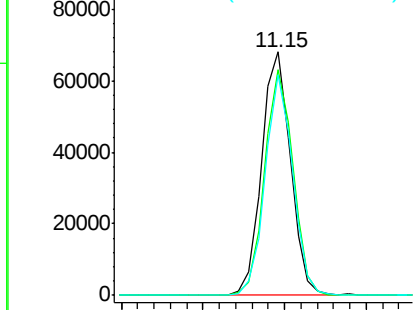
#62
4-Bromofluorobenzene
Concen: 42.24 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000525.D
Acq: 29 Mar 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
LIP-22

Tot Ion: 95 Resp: 83679
Ion Ratio Lower Upper
95 100
174 91.1 0.0 173.6
176 86.5 0.0 164.6

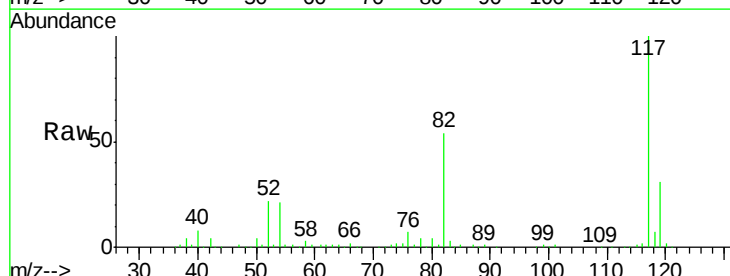


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

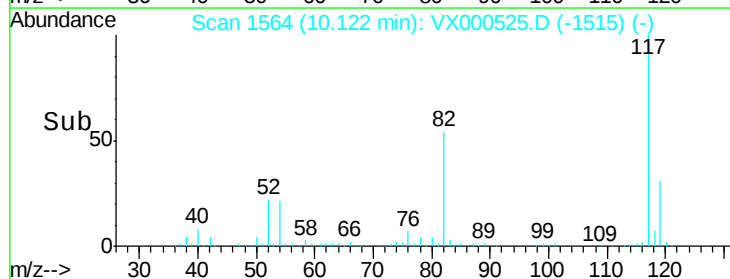
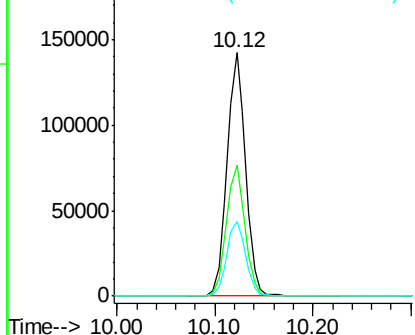


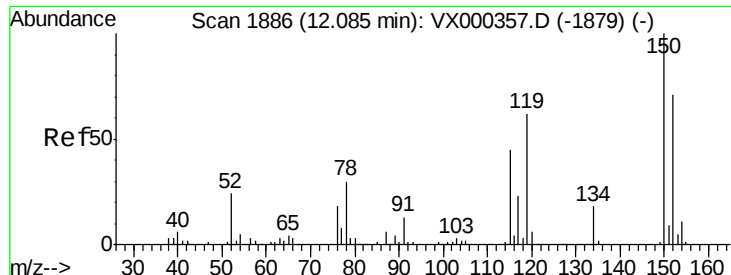
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000525.D
Acq: 29 Mar 2018 20:40

Tgt Ion: 117 Resp: 186858
Ion Ratio Lower Upper
117 100
82 53.6 43.8 65.8
119 30.9 24.9 37.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000525.D

Acq: 29 Mar 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

LIP-22

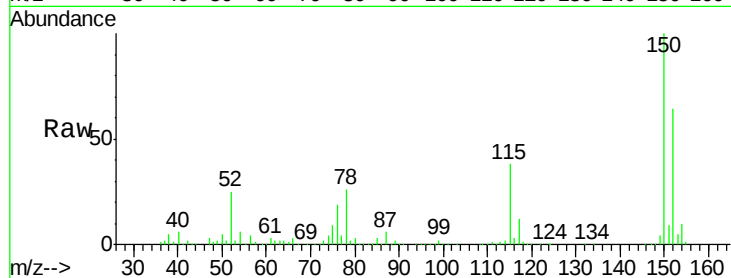
Tot Ion:152 Resp: 99251

Ion Ratio Lower Upper

152 100

115 55.6 39.8 119.3

150 153.7 0.0 344.4



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

