

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022519\
 Data File : VX007695.D
 Acq On : 26 Feb 2019 05:08
 Operator : JC/SP
 Sample : K1603-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T2-OZ(PRE)

Quant Time: Feb 26 05:41:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

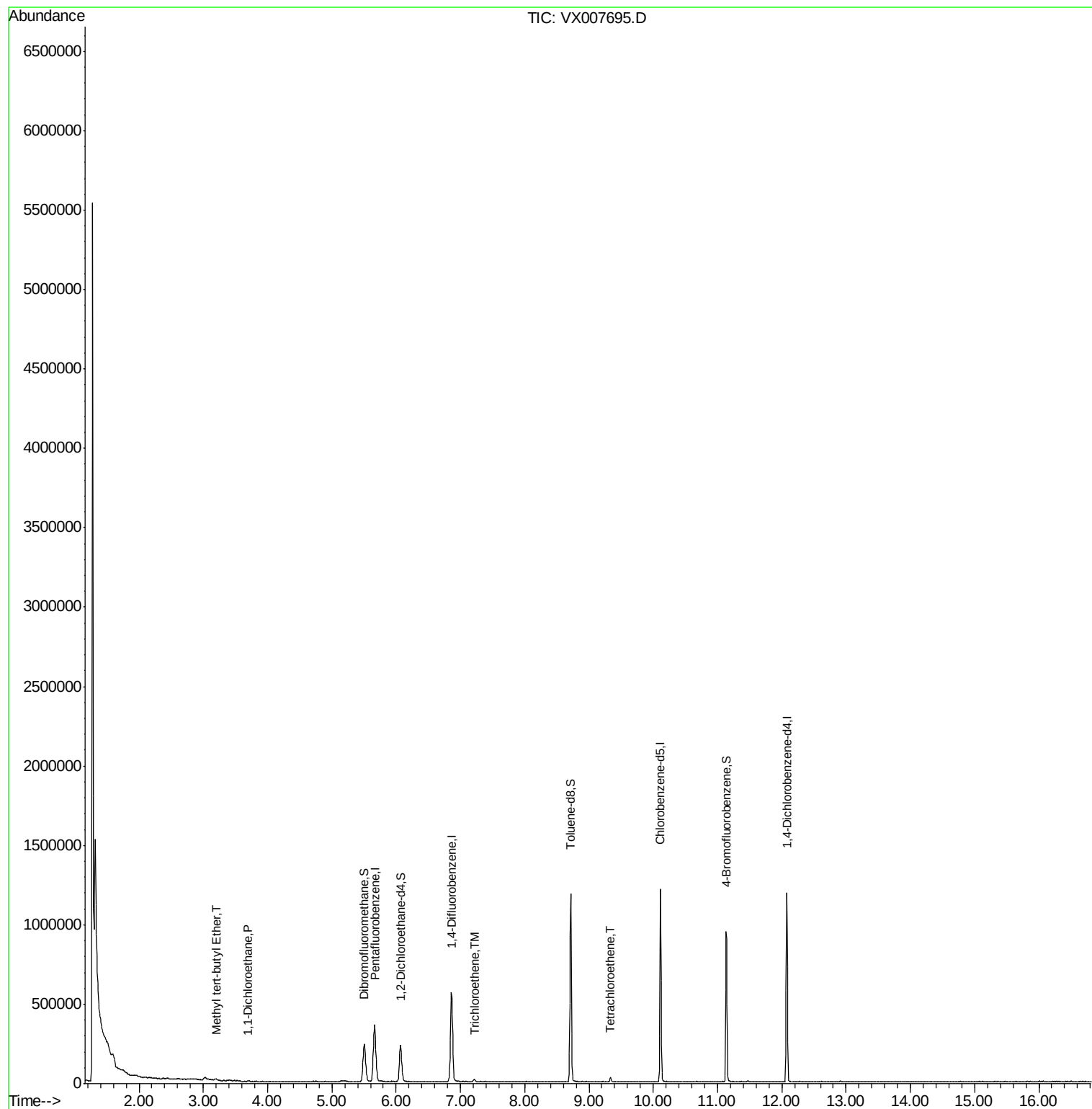
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	352505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	596819	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	561451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	255945	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	215123	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
35) Dibromofluoromethane	5.50	113	199019	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
50) Toluene-d8	8.71	98	715997	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
62) 4-Bromofluorobenzene	11.13	95	251392	44.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.68%	
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	3.21	73	5265	0.490	ug/l	91
24) 1,1-Dichloroethane	3.70	63	7343	1.138	ug/l	98
44) Trichloroethene	7.21	130	5990	1.315	ug/l	97
64) Tetrachloroethene	9.34	164	4501	0.988	ug/l	87

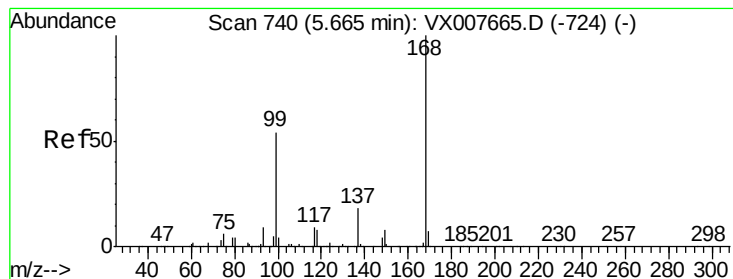
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007695.D

Acq: 26 Feb 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

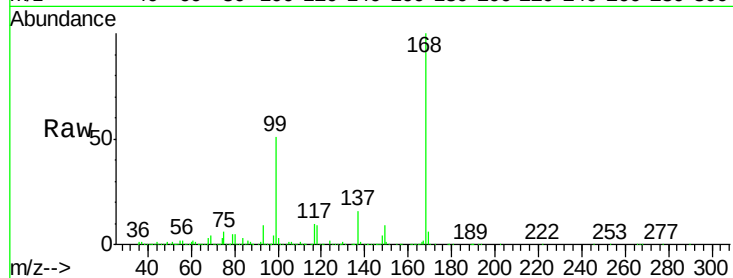
M1-T2-OZ(PRE)

Tot Ion:168 Resp: 352505

Ion Ratio Lower Upper

168 100

99 50.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

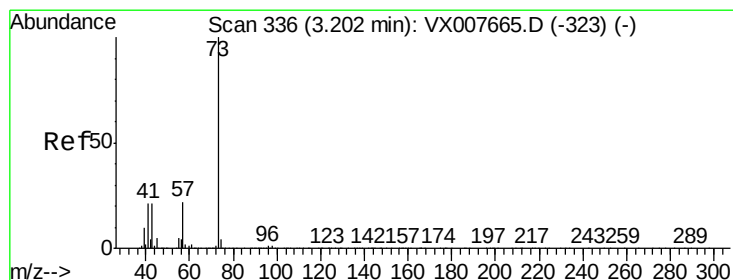
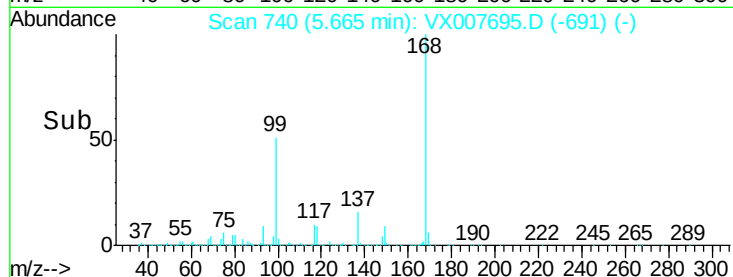
150000

100000

50000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 0.490 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX007695.D

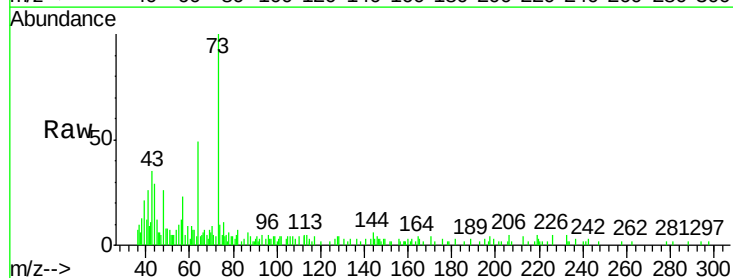
Acq: 26 Feb 2019 05:08

Tgt Ion: 73 Resp: 5265

Ion Ratio Lower Upper

73 100

57 18.2 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

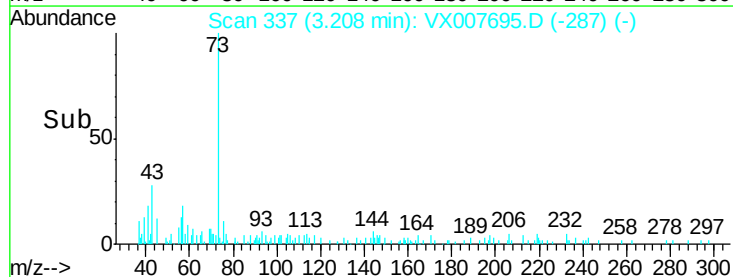
3000

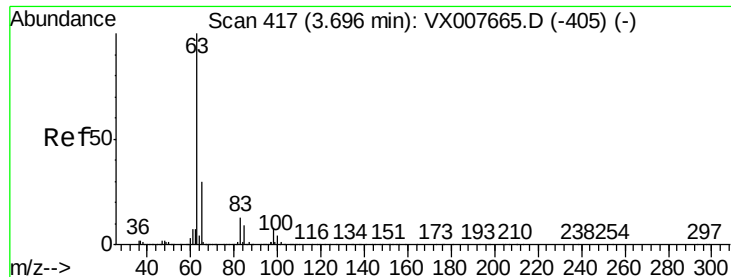
2000

1000

0

Time-->





#24

1,1-Dichloroethane

Concen: 1.138 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007695.D

Acq: 26 Feb 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

M1-T2-OZ(PRE)

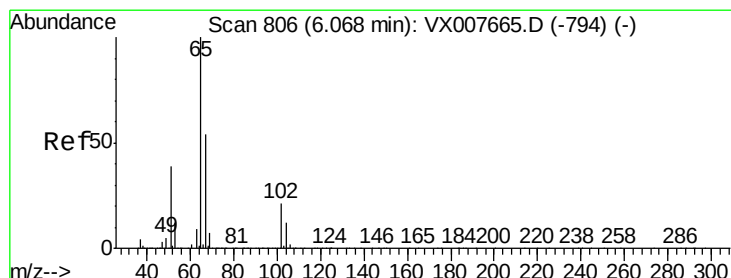
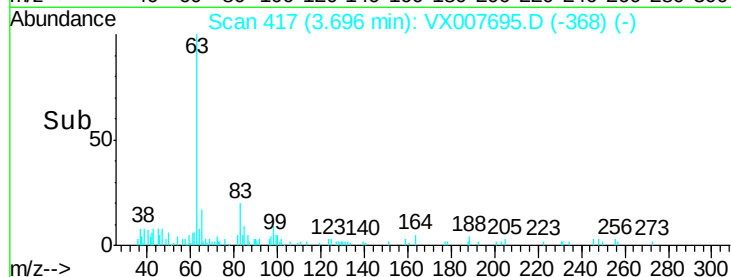
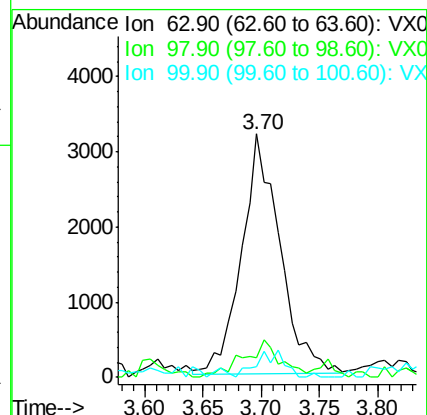
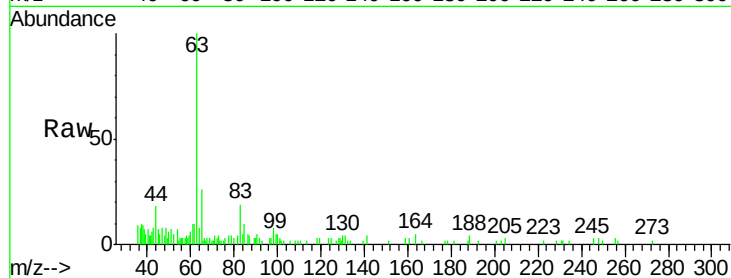
Tot Ion: 63 Resp: 7343

Ion Ratio Lower Upper

63 100

98 8.3 3.6 10.8

100 4.7 2.5 7.4



#33

1,2-Dichloroethane-d4

Concen: 49.268 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007695.D

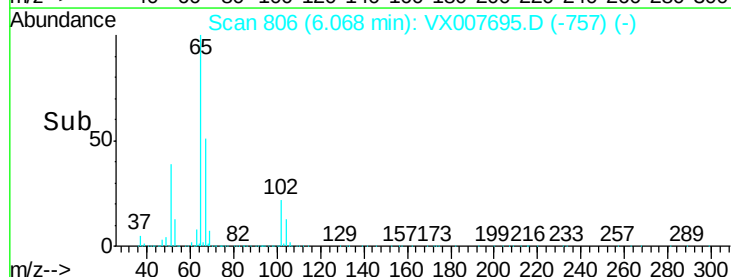
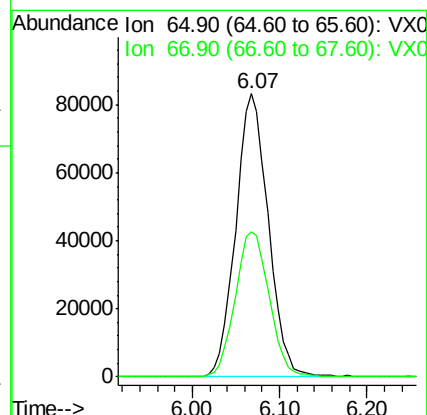
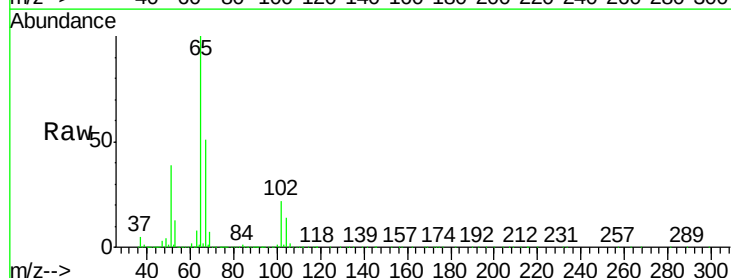
Acq: 26 Feb 2019 05:08

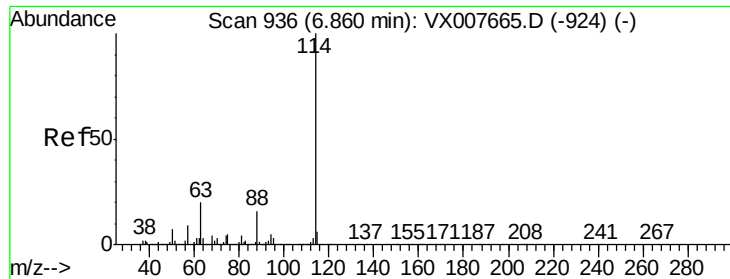
Tgt Ion: 65 Resp: 215123

Ion Ratio Lower Upper

65 100

67 53.6 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: VX007695.D

Acq: 26 Feb 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

M1-T2-OZ(PRE)

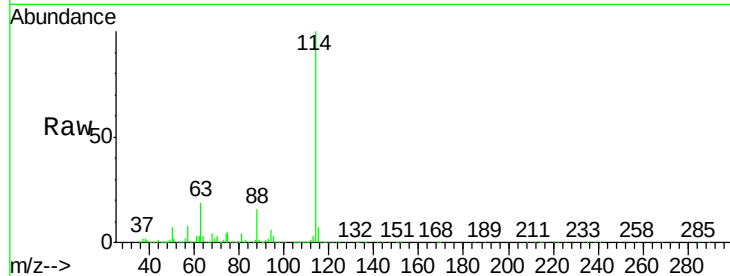
Tot Ion:114 Resp: 596819

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.6

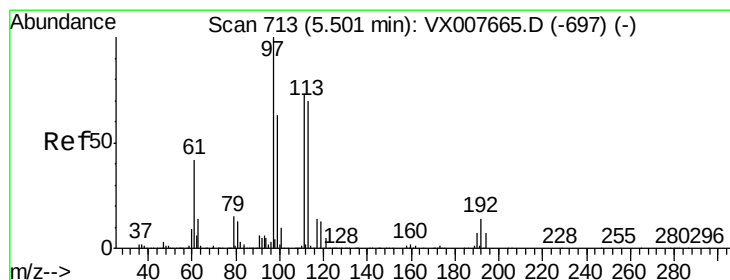
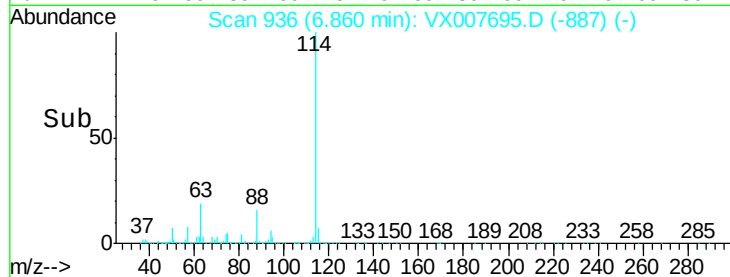
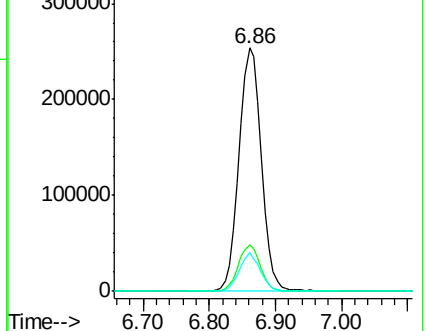
88 15.7 0.0 29.6



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: 49.885 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007695.D

Acq: 26 Feb 2019 05:08

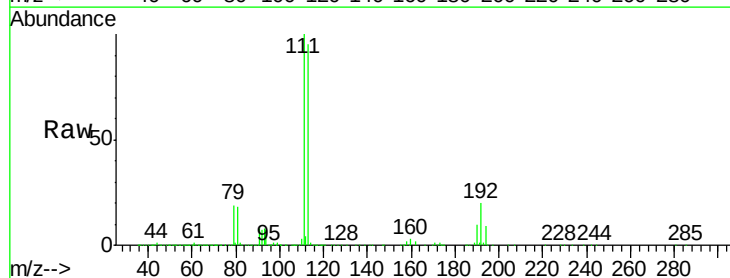
Tgt Ion:113 Resp: 199019

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

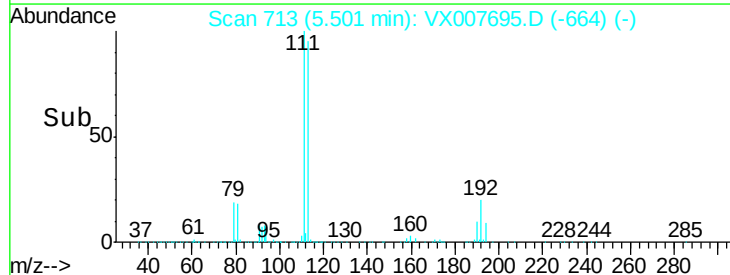
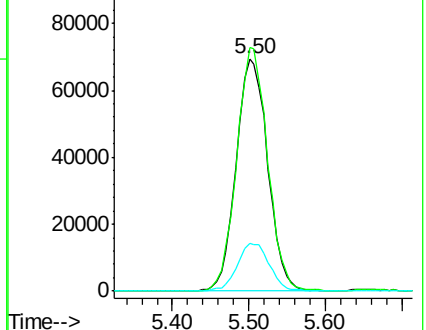
192 20.9 18.5 27.7

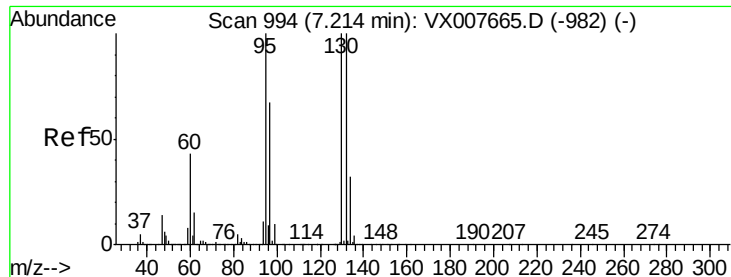


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 1.315 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007695.D

Acq: 26 Feb 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

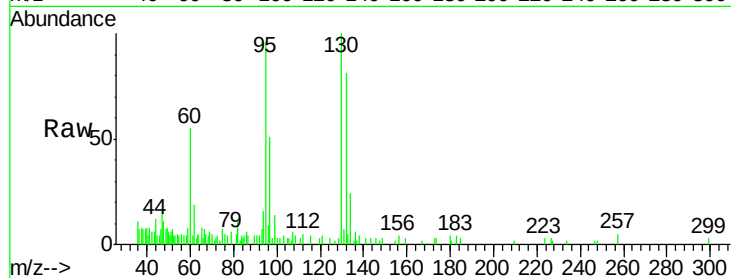
M1-T2-OZ(PRE)

Tot Ion:130 Resp: 5990

Ion Ratio Lower Upper

130 100

95 93.1 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

2500

2000

1500

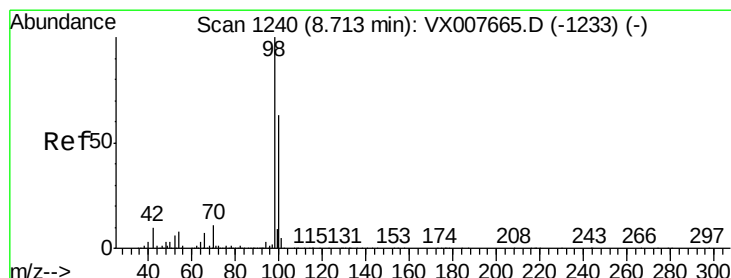
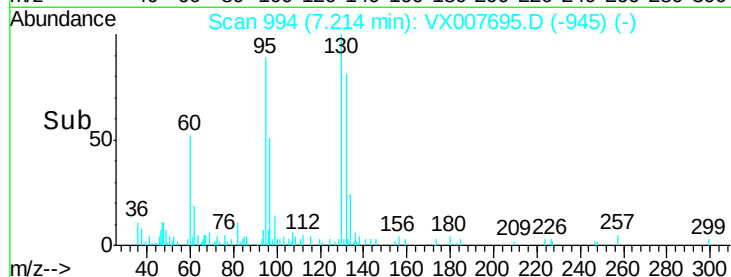
1000

500

0

7.15 7.20 7.25 7.30

Time-->



#50

Toluene-d8

Concen: 46.878 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007695.D

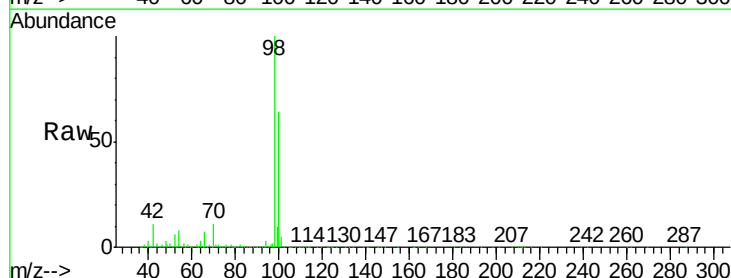
Acq: 26 Feb 2019 05:08

Tgt Ion: 98 Resp: 715997

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

500000

400000

300000

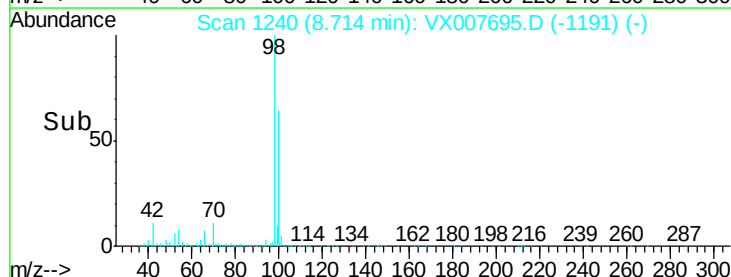
200000

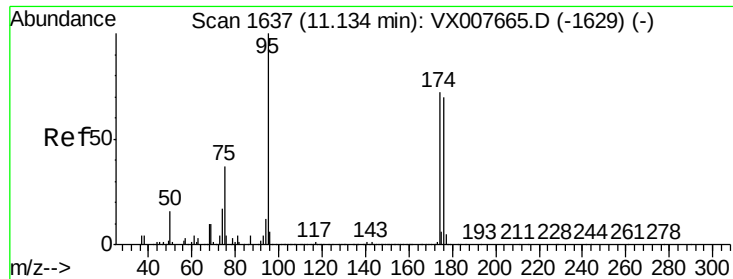
100000

0

8.60 8.70 8.80 8.90

Time-->





#62

4-Bromofluorobenzene

Concen: 44.844 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007695.D

Acq: 26 Feb 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

M1-T2-OZ(PRE)

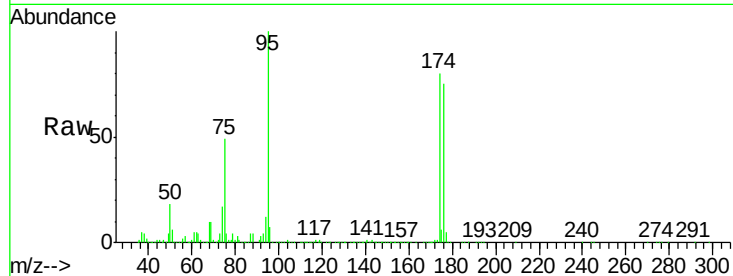
Tot Ion: 95 Resp: 251392

Ion Ratio Lower Upper

95 100

174 85.9 0.0 189.2

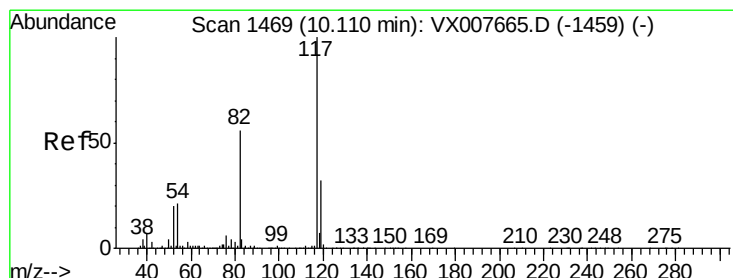
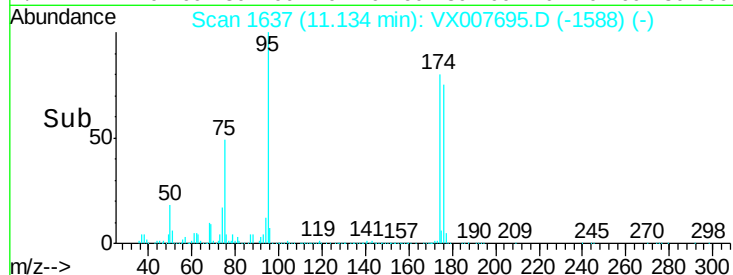
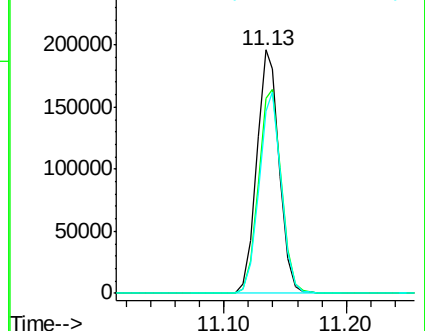
176 81.9 0.0 186.2



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: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007695.D

Acq: 26 Feb 2019 05:08

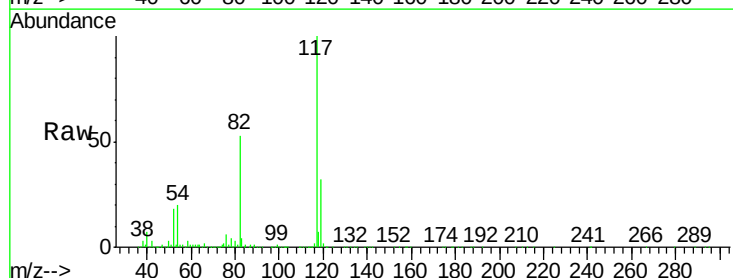
Tgt Ion: 117 Resp: 561451

Ion Ratio Lower Upper

117 100

82 53.5 42.1 63.1

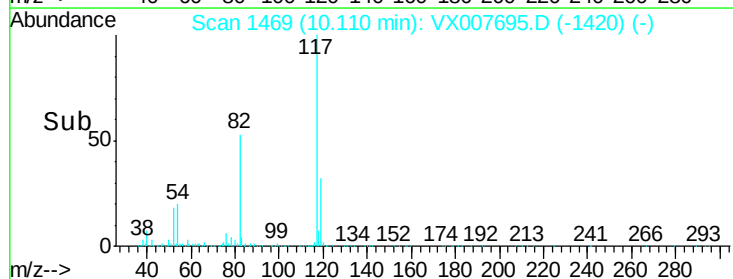
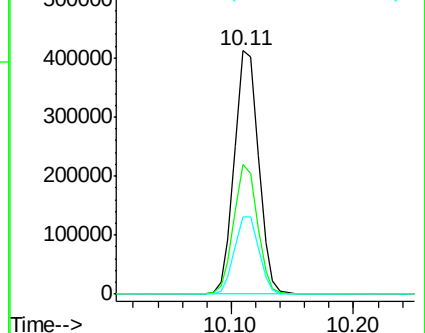
119 31.6 26.5 39.7

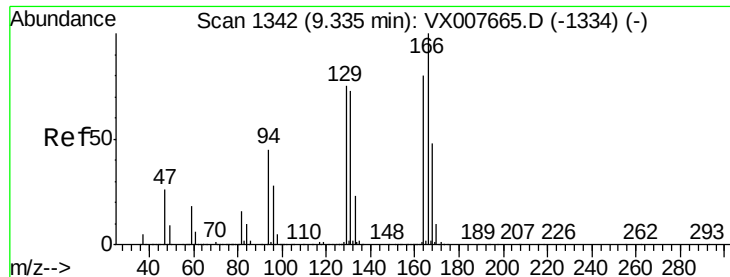


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.988 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007695.D

Acq: 26 Feb 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

M1-T2-OZ(PRE)

Tot Ion:164 Resp: 4501

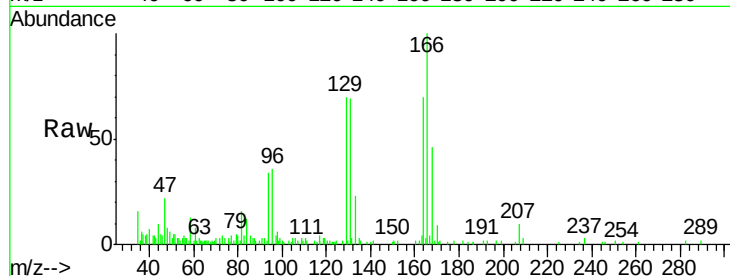
Ion Ratio Lower Upper

164 100

166 142.2 101.0 151.4

129 98.9 70.5 105.7

131 98.8 69.8 104.6

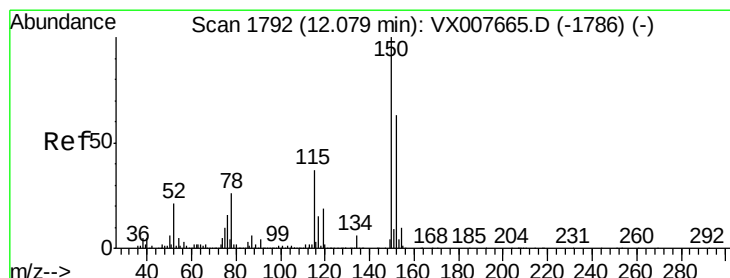
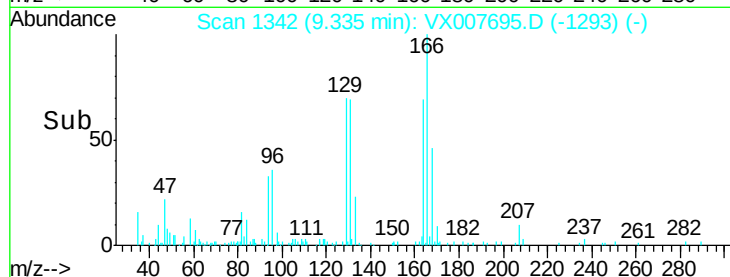
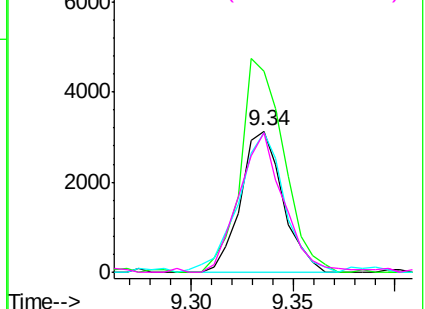


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007695.D

Acq: 26 Feb 2019 05:08

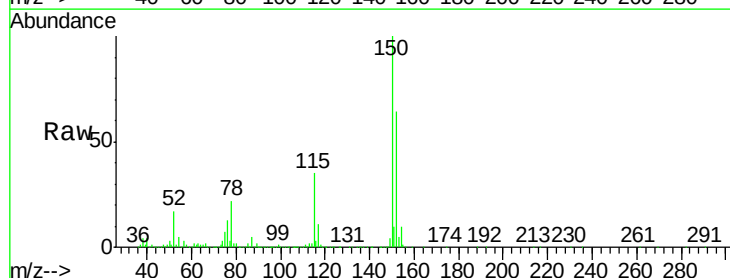
Tgt Ion:152 Resp: 255945

Ion Ratio Lower Upper

152 100

115 56.3 38.0 114.0

150 156.5 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

