

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002644.D
 Acq On : 16 Jun 2018 13:22
 Operator : JC/MD
 Sample : J3477-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0137

Quant Time: Jun 18 09:09:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	216572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	310508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	170220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	149073	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	
35) Dibromofluoromethane	5.51	113	114494	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
50) Toluene-d8	8.72	98	446493	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
62) 4-Bromofluorobenzene	11.14	95	157992	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	

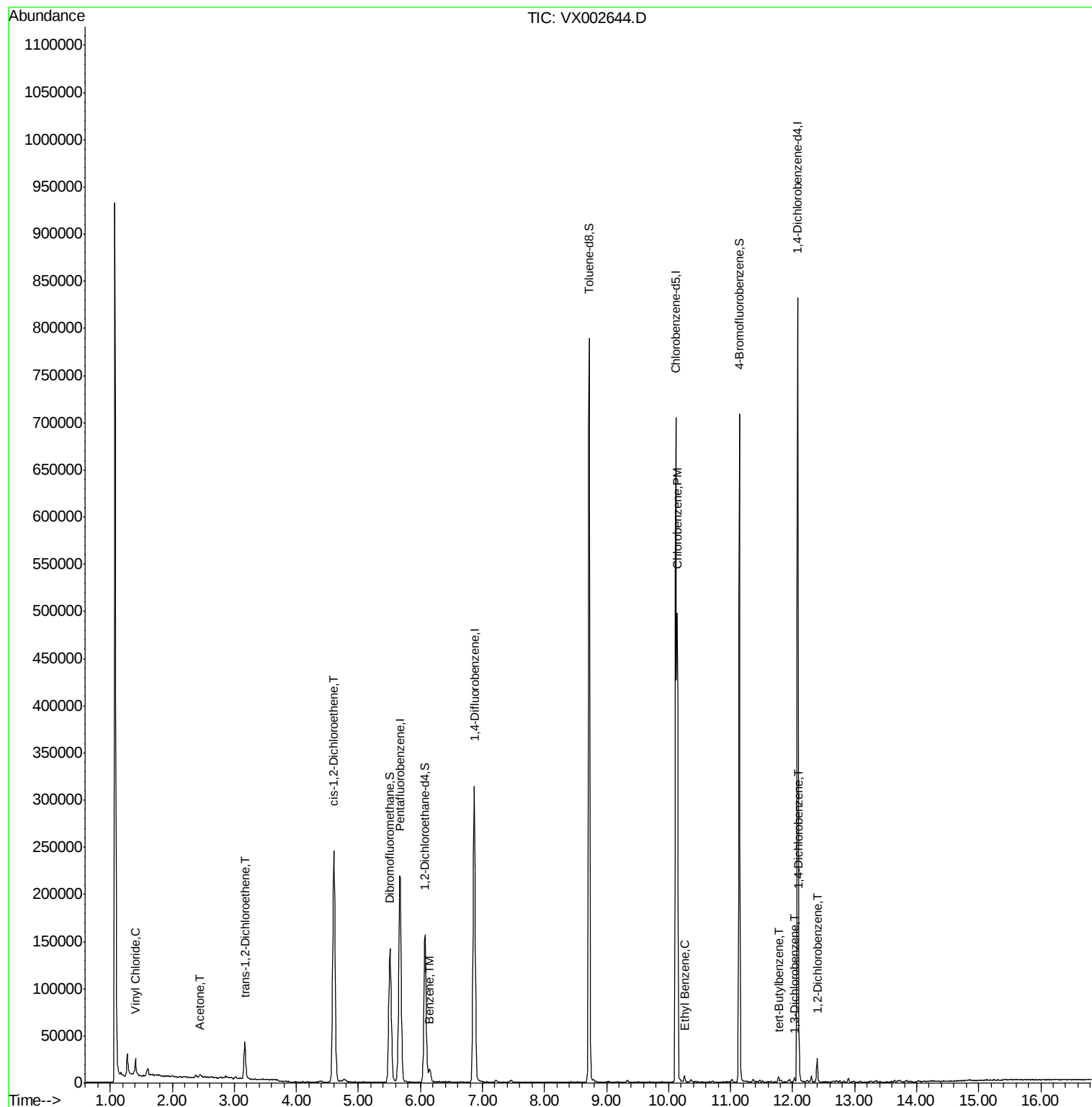
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	9997	3.52	ug/l	# 69
16) Acetone	2.45	43	4258	2.93	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	15330	5.84	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	151322	56.65	ug/l	83
40) Benzene	6.15	78	14740	1.49	ug/l	96
65) Chlorobenzene	10.14	112	193823	26.81	ug/l	99
67) Ethyl Benzene	10.26	91	3640	0.30	ug/l	99
83) tert-Butylbenzene	11.77	119	2103	0.23	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	1322	0.23	ug/l	81
88) 1,4-Dichlorobenzene	12.10	146	12539	2.12	ug/l	89
91) 1,2-Dichlorobenzene	12.40	146	7026	1.20	ug/l	100

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

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Quant Time: Jun 18 09:09:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

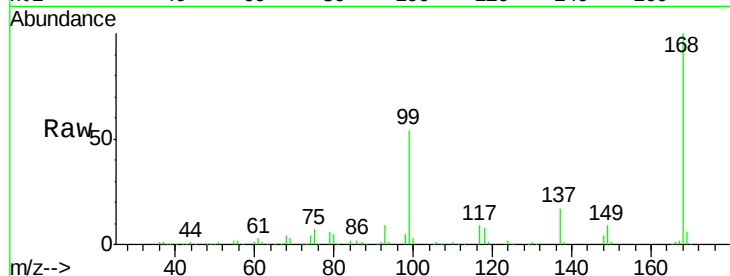
S36-0137

Tot Ion:168 Resp: 216572

Ion Ratio Lower Upper

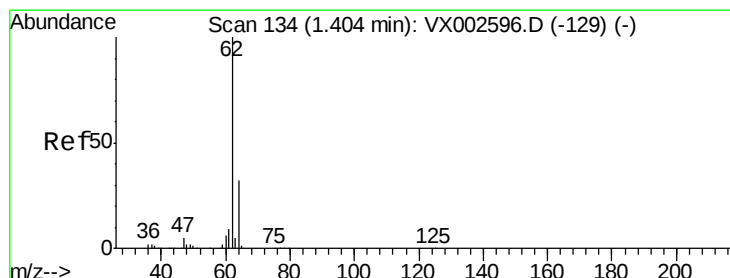
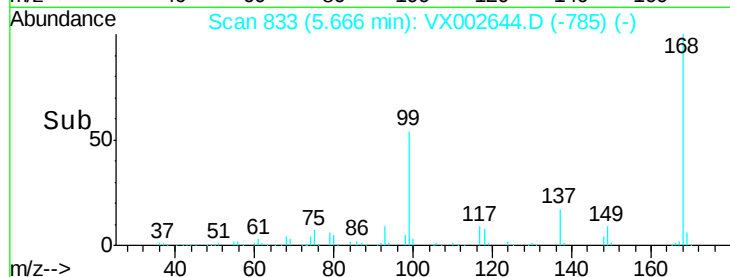
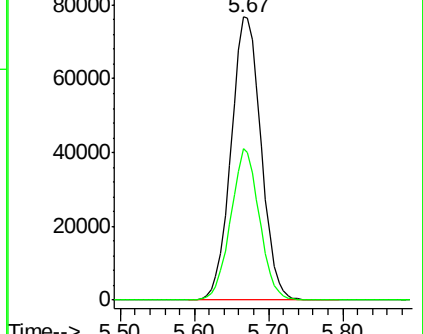
168 100

99 53.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 3.52 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002644.D

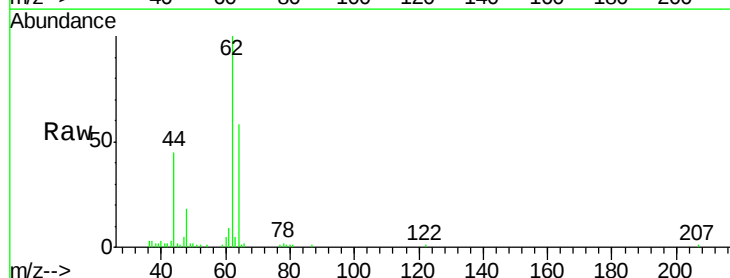
Acq: 16 Jun 2018 13:22

Tgt Ion: 62 Resp: 9997

Ion Ratio Lower Upper

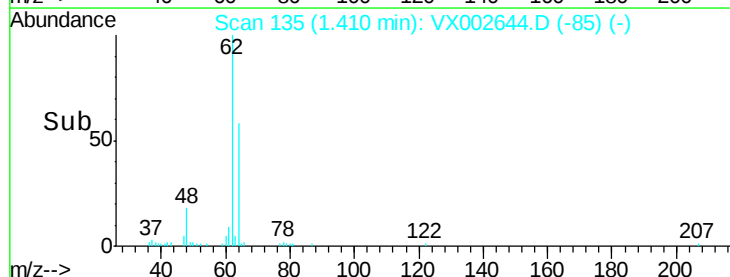
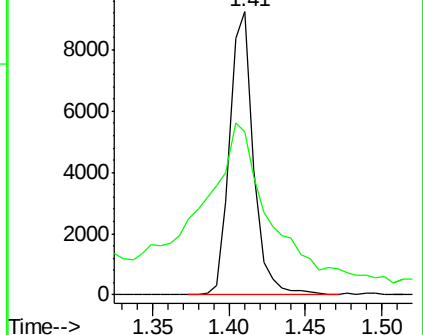
62 100

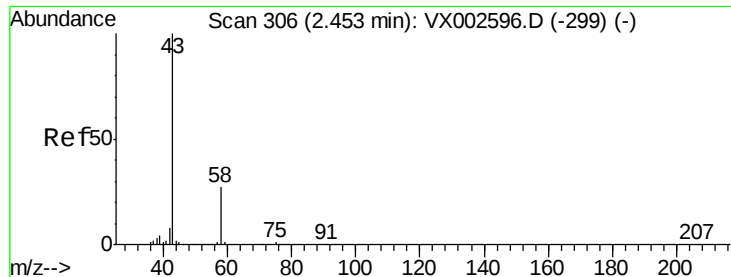
64 48.8 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 2.93 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampled :

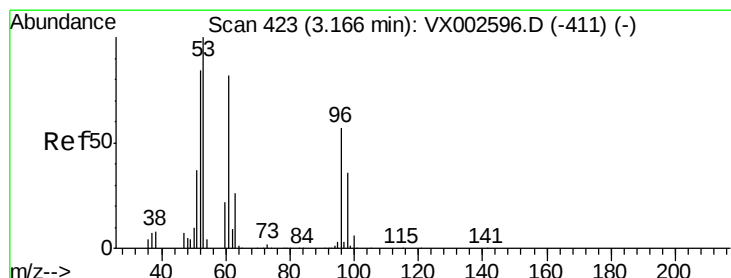
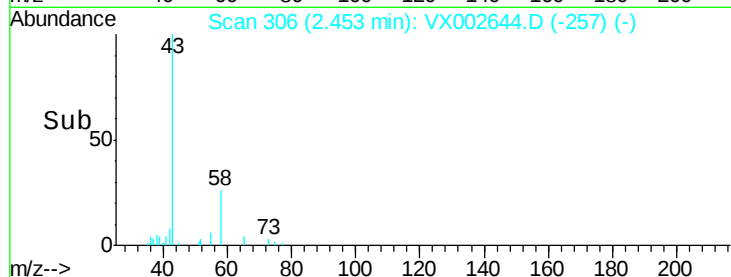
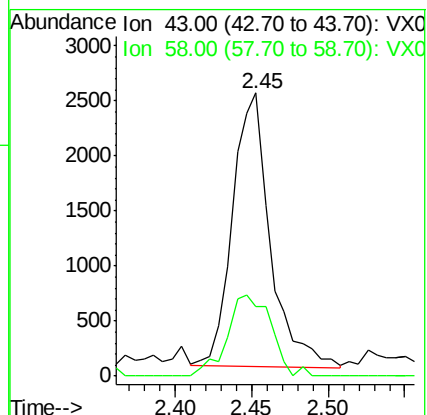
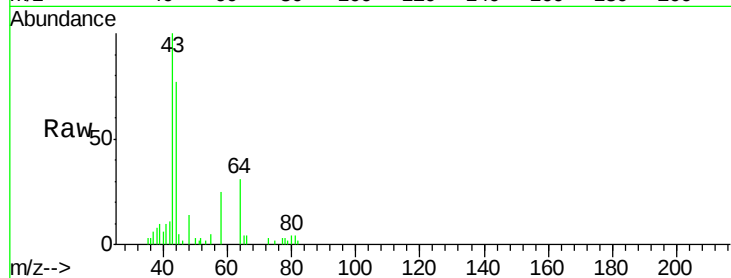
S36-0137

Tot Ion: 43 Resp: 4258

Ion Ratio Lower Upper

43 100

58 25.6 22.1 33.1



#21

trans-1,2-Dichloroethene

Concen: 5.84 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

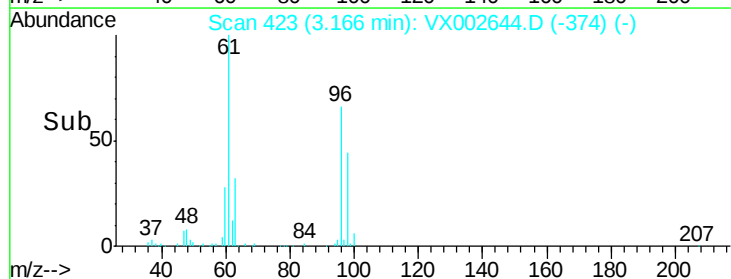
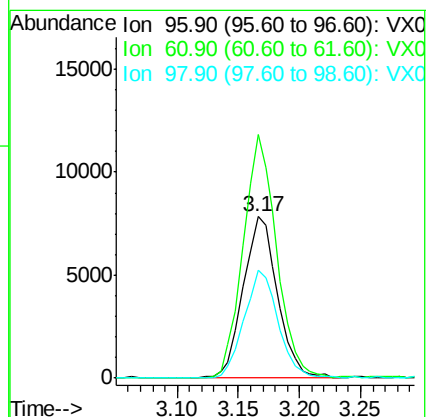
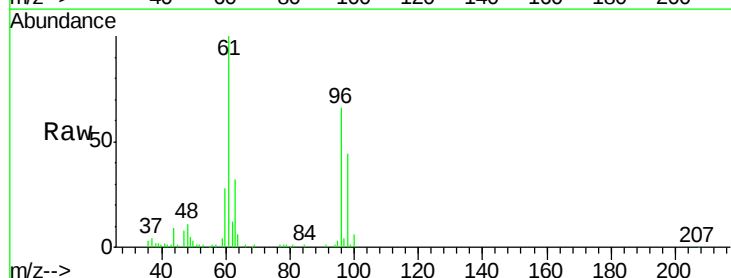
Tgt Ion: 96 Resp: 15330

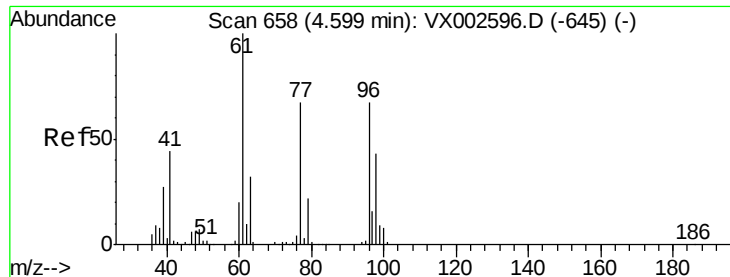
Ion Ratio Lower Upper

96 100

61 151.1 117.0 175.4

98 67.1 52.4 78.6





#27

cis-1,2-Dichloroethene

Concen: 56.65 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampled :

S36-0137

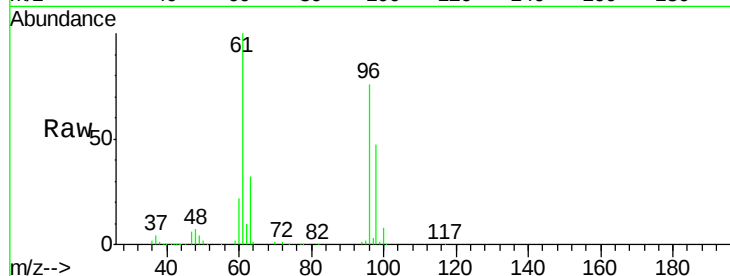
Tot Ion: 96 Resp: 151322

Ion Ratio Lower Upper

96 100

61 132.5 0.0 330.2

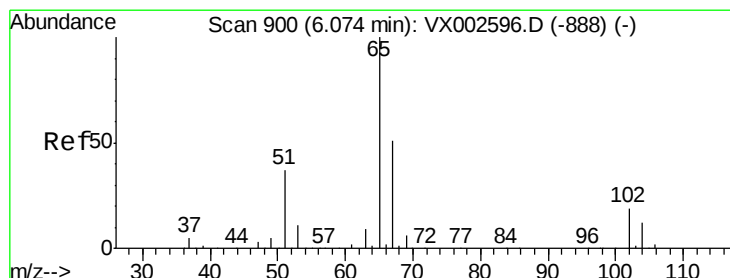
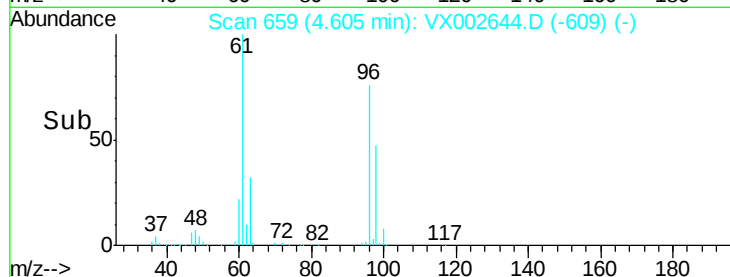
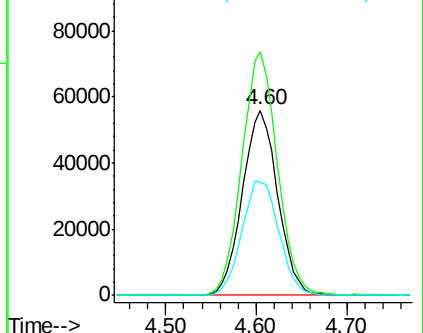
98 64.9 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.30 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002644.D

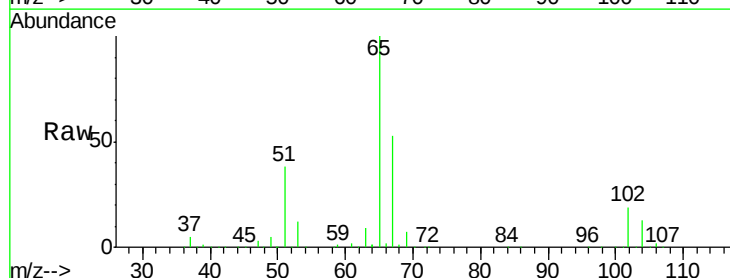
Acq: 16 Jun 2018 13:22

Tgt Ion: 65 Resp: 149073

Ion Ratio Lower Upper

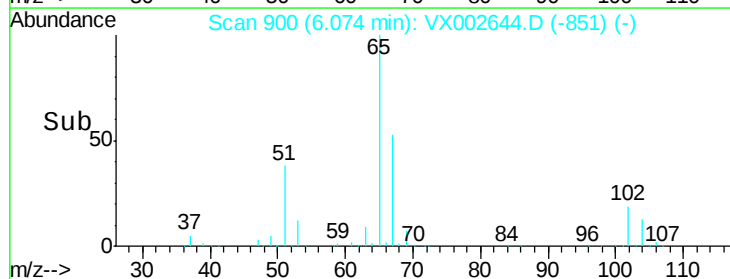
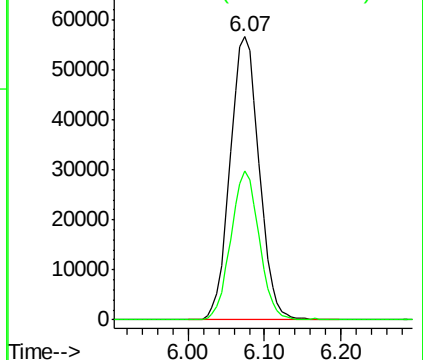
65 100

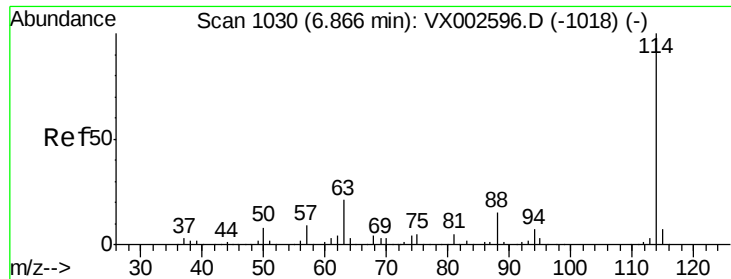
67 51.3 0.0 102.6



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# 1030

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

S36-0137

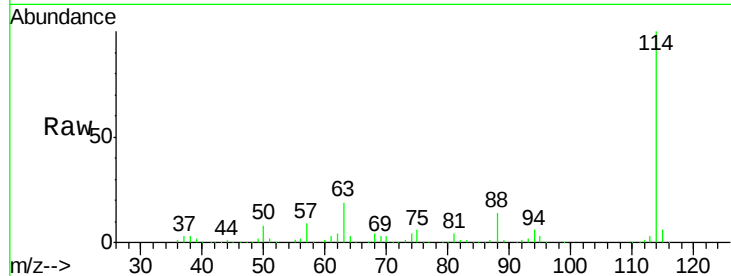
Tot Ion:114 Resp: 310508

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

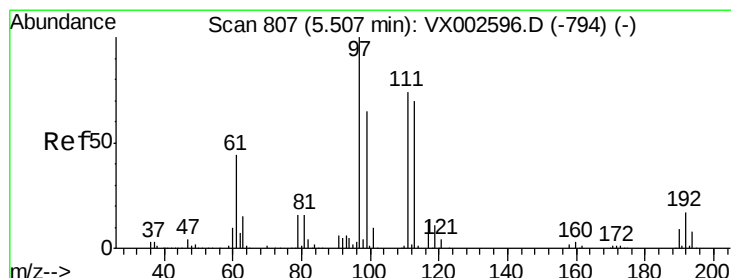
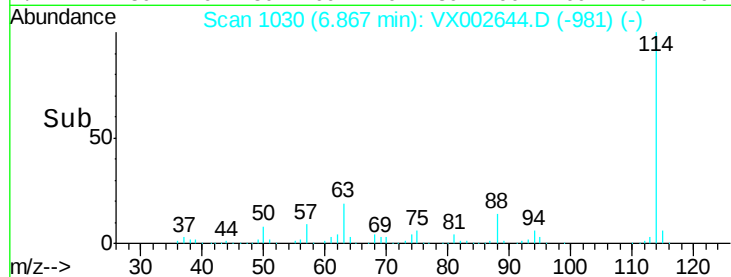
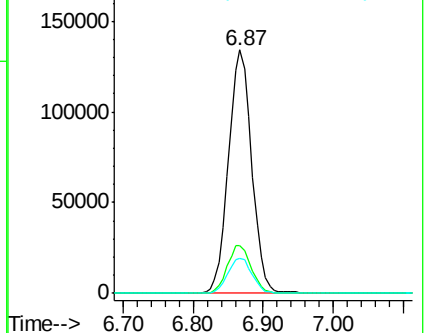
88 14.4 0.0 30.0



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: 46.20 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

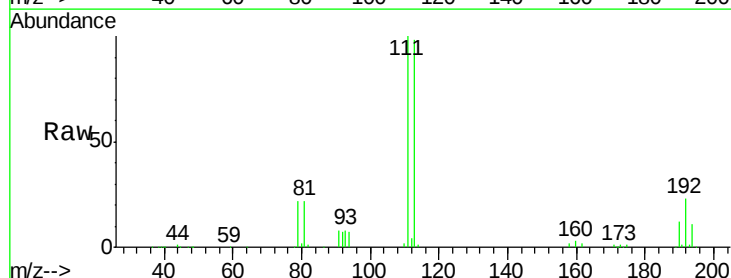
Tgt Ion:113 Resp: 114494

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

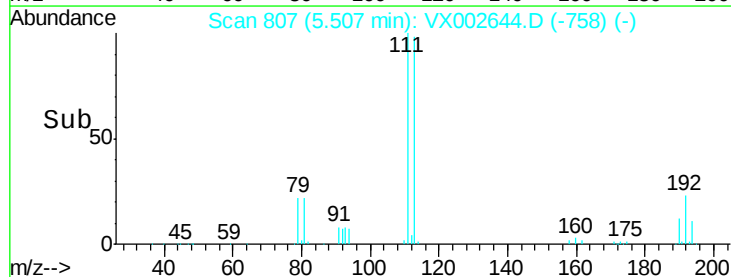
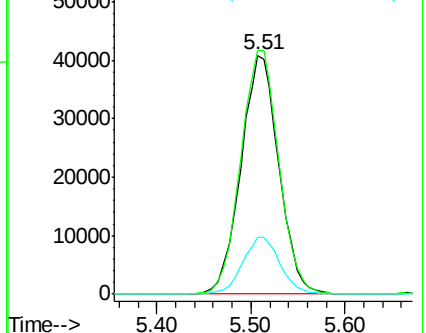
192 23.4 19.1 28.7

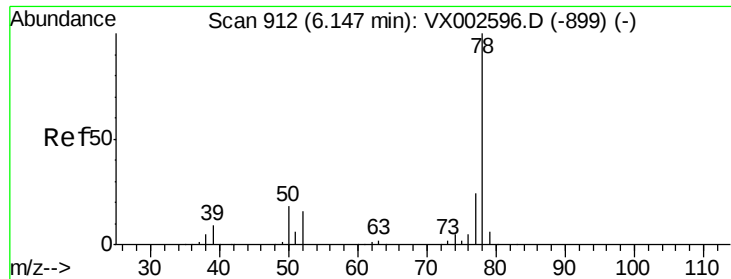


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.49 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

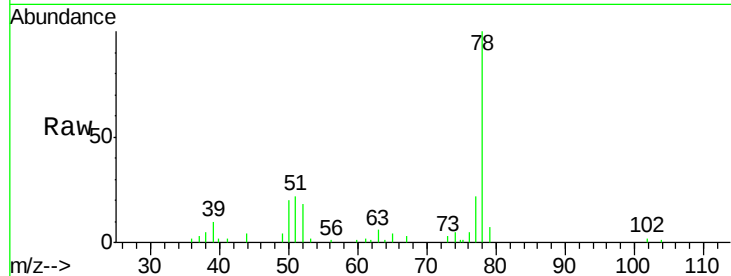
S36-0137

Tot Ion: 78 Resp: 14740

Ion Ratio Lower Upper

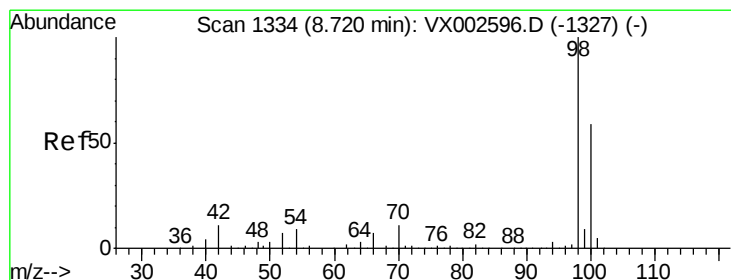
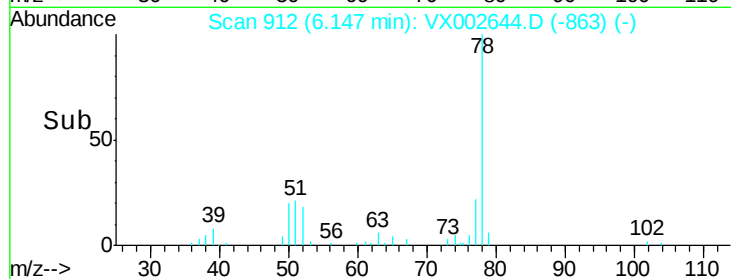
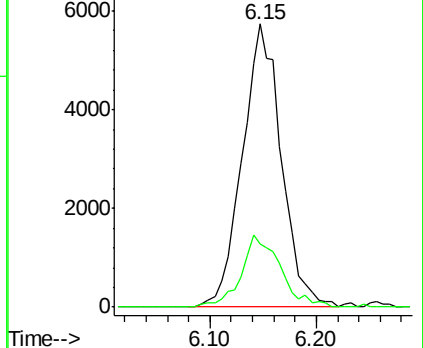
78 100

77 22.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 47.45 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002644.D

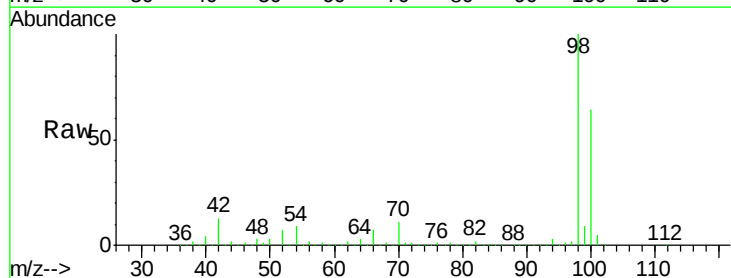
Acq: 16 Jun 2018 13:22

Tgt Ion: 98 Resp: 446493

Ion Ratio Lower Upper

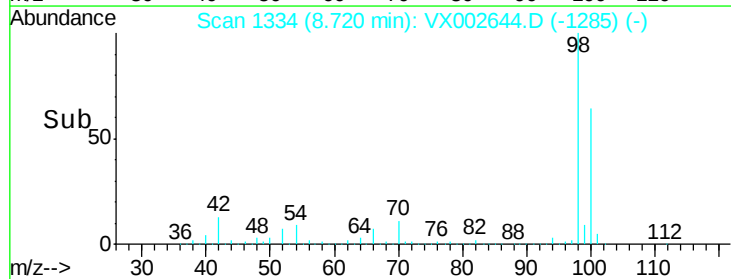
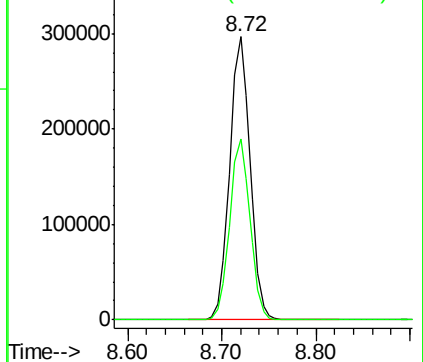
98 100

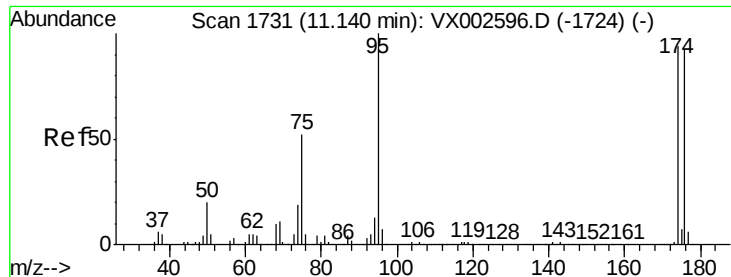
100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

S36-0137

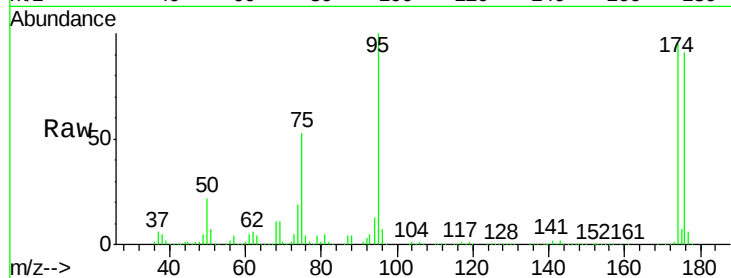
Tot Ion: 95 Resp: 157992

Ion Ratio Lower Upper

95 100

174 97.2 0.0 187.4

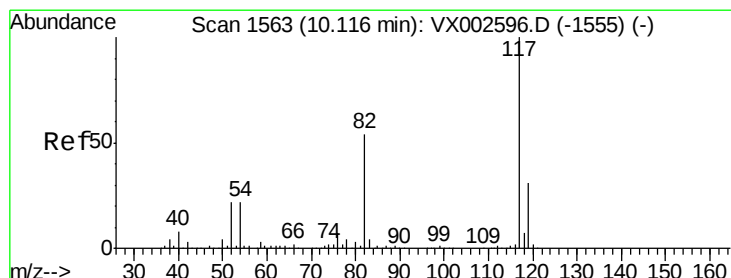
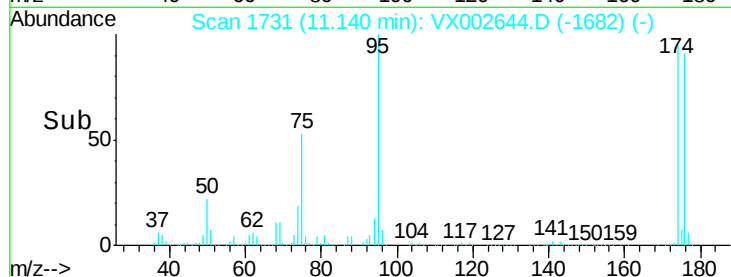
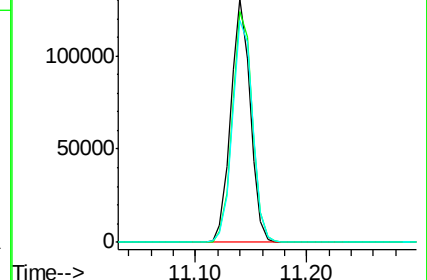
176 94.3 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002596.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002596.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002596.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

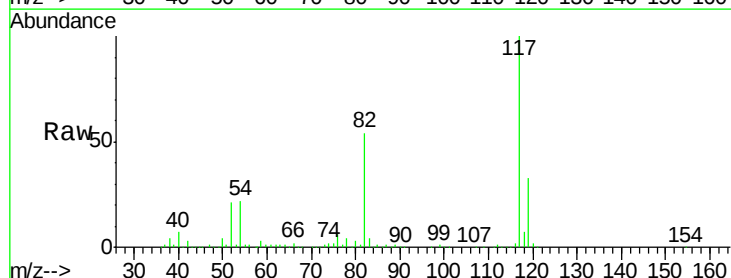
Tgt Ion: 117 Resp: 294343

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.4

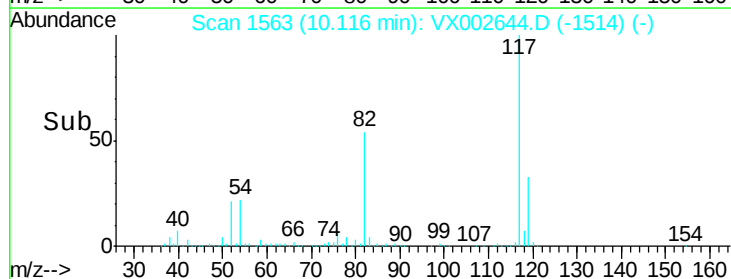
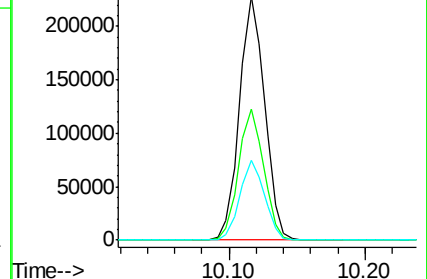
119 32.8 25.8 38.6

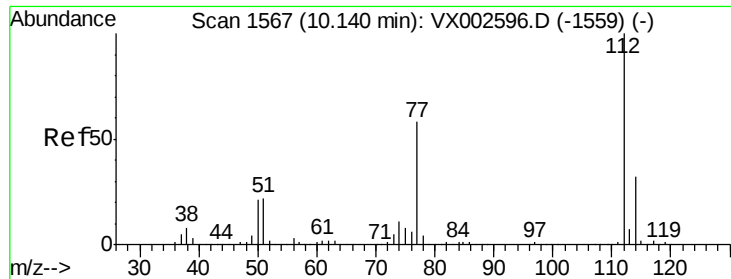


Abundance Ion 116.90 (116.60 to 117.60): VX002596.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX002596.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX002596.D (-1555) (-)

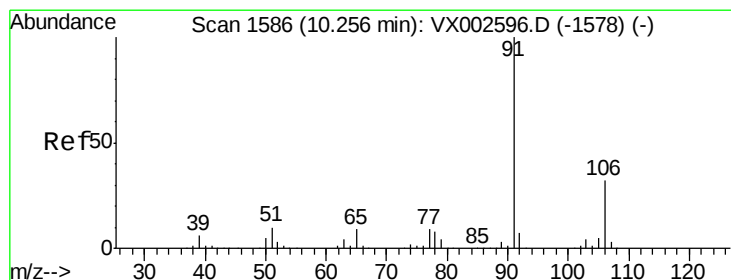
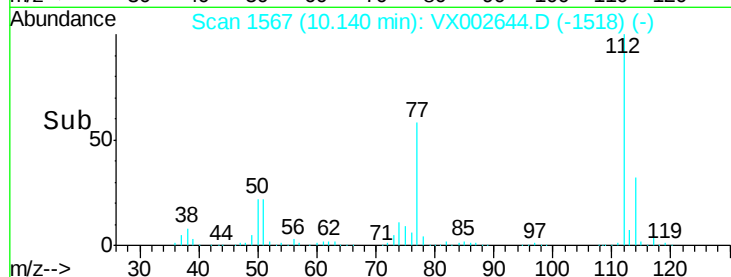
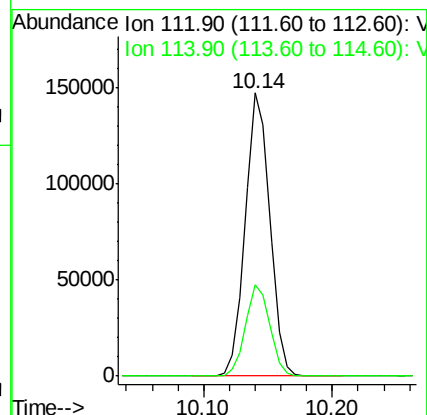
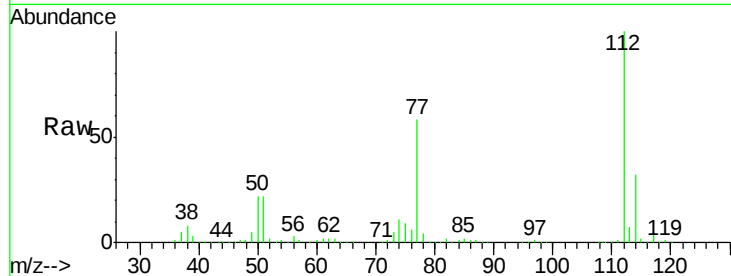




#65
Chlorobenzene
Concen: 26.81 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002644.D
Acq: 16 Jun 2018 13:22

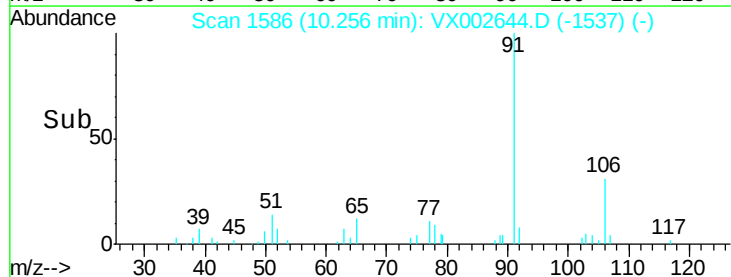
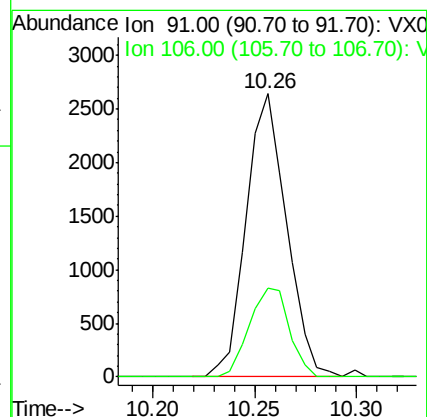
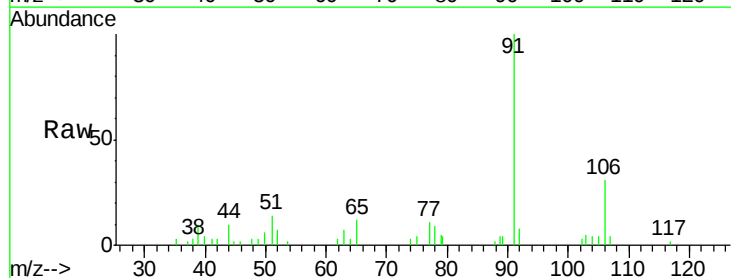
Instrument :
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S36-0137

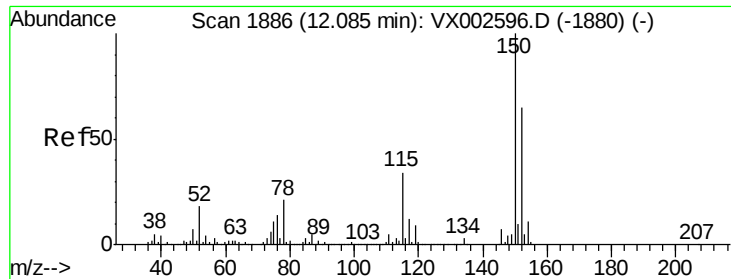
Tot Ion:112 Resp: 193823
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#67
Ethyl Benzene
Concen: 0.30 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002644.D
Acq: 16 Jun 2018 13:22

Tgt Ion: 91 Resp: 3640
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampled :

S36-0137

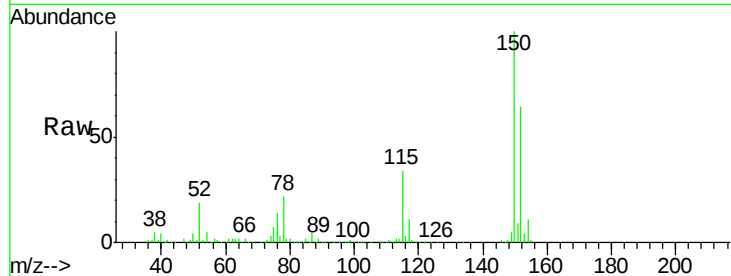
Tot Ion:152 Resp: 170220

Ion Ratio Lower Upper

152 100

115 55.4 40.1 120.2

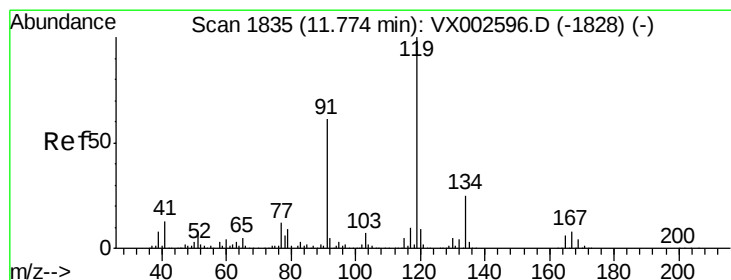
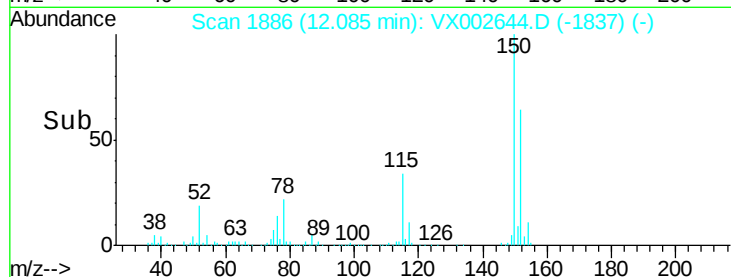
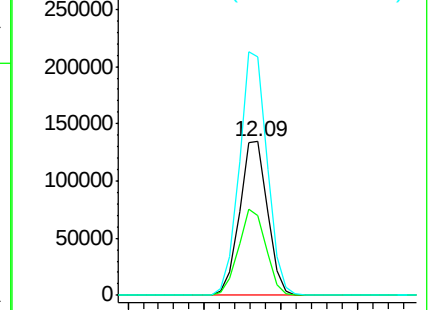
150 157.9 0.0 347.2



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



#83

tert-Butylbenzene

Concen: 0.23 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

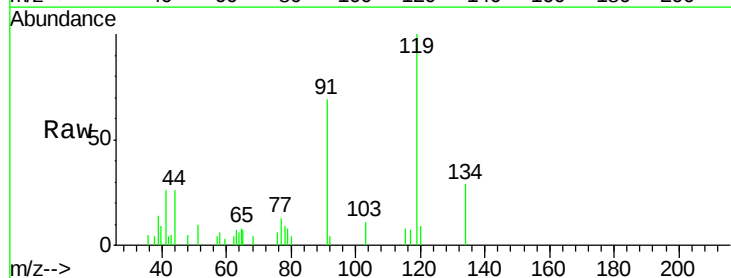
Tgt Ion:119 Resp: 2103

Ion Ratio Lower Upper

119 100

91 63.1 30.3 90.9

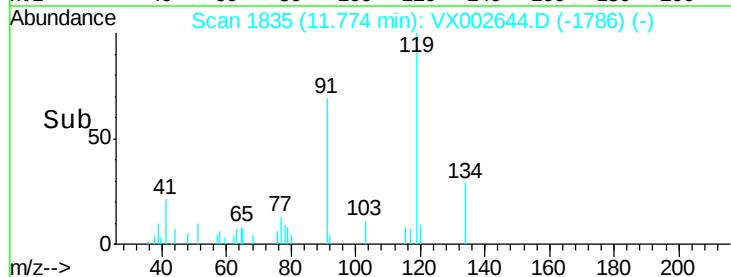
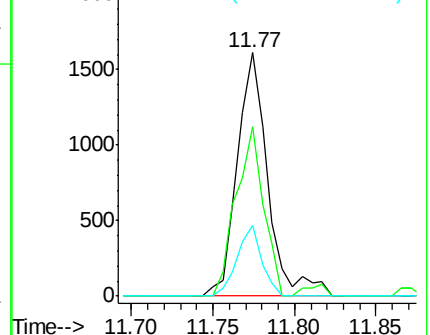
134 23.2 11.7 35.1

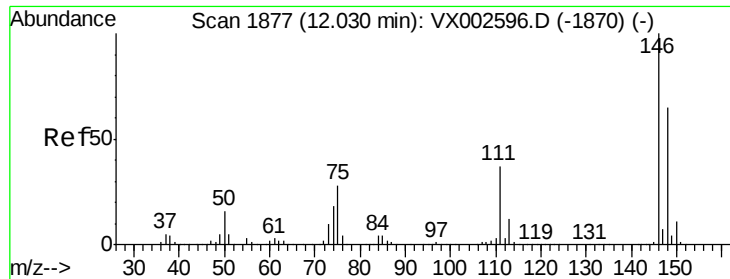


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#87

1,3-Dichlorobenzene

Concen: 0.23 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

S36-0137

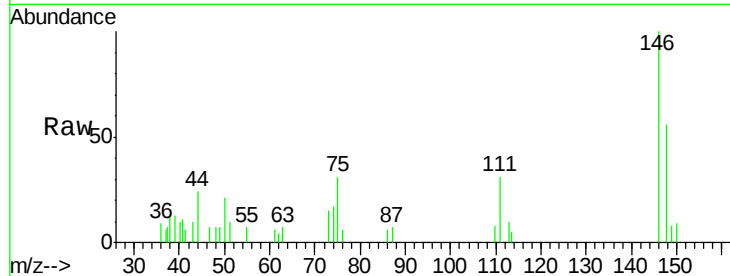
Tot Ion:146 Resp: 1322

Ion Ratio Lower Upper

146 100

111 51.9 18.9 56.7

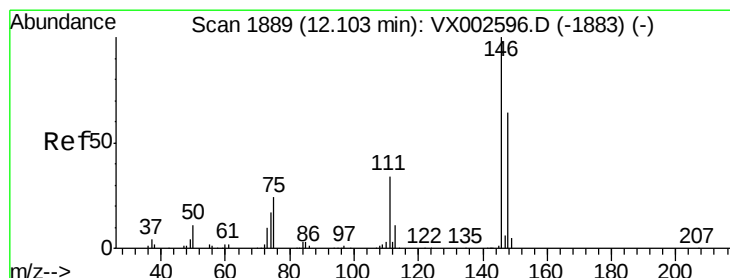
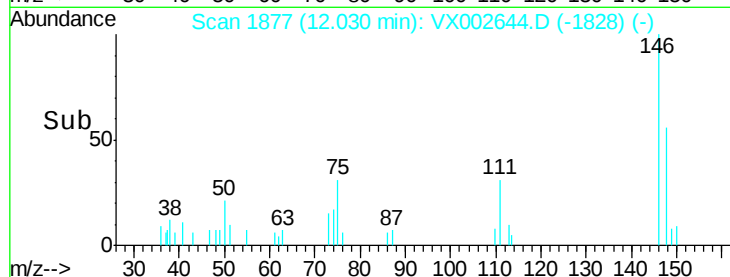
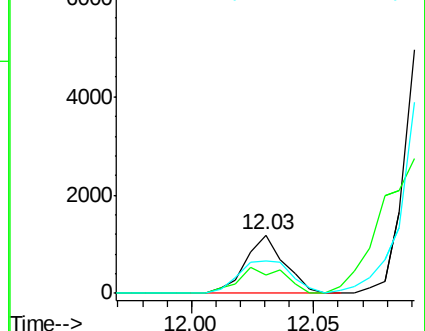
148 77.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 2.12 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

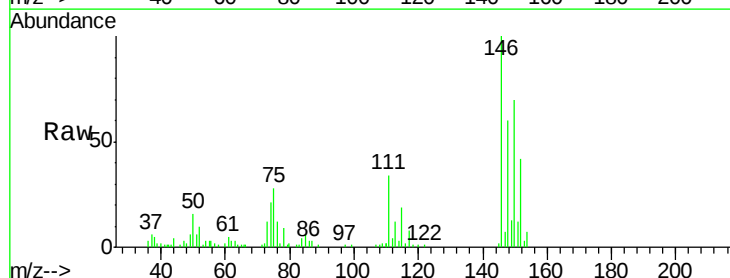
Tgt Ion:146 Resp: 12539

Ion Ratio Lower Upper

146 100

111 51.6 18.7 56.1

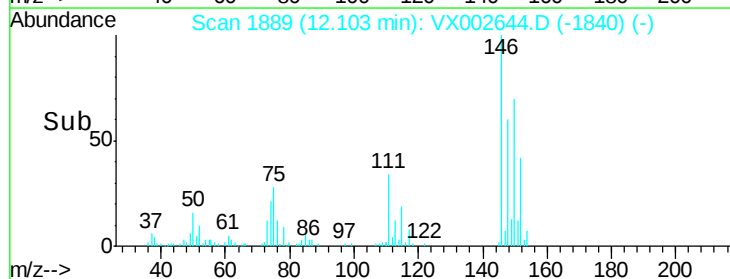
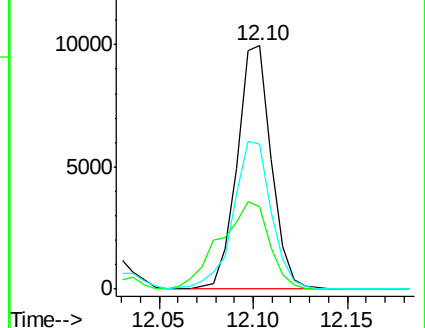
148 67.9 32.4 97.0

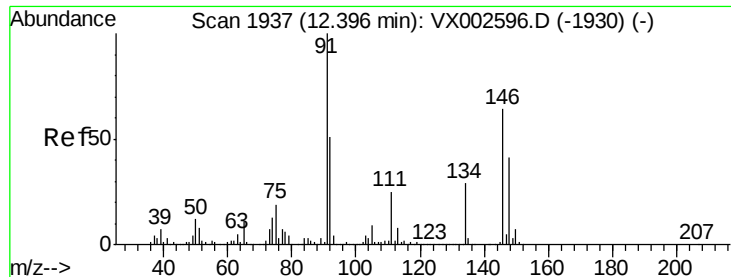


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 1.20 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002644.D

Acq: 16 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

S36-0137

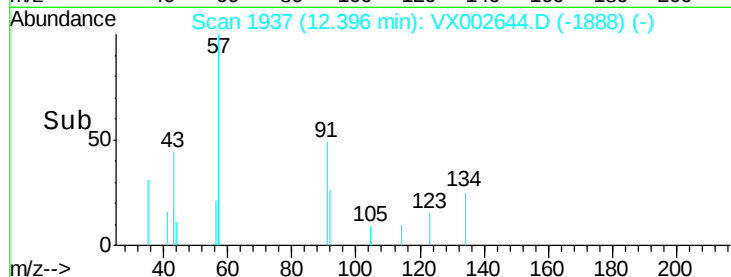
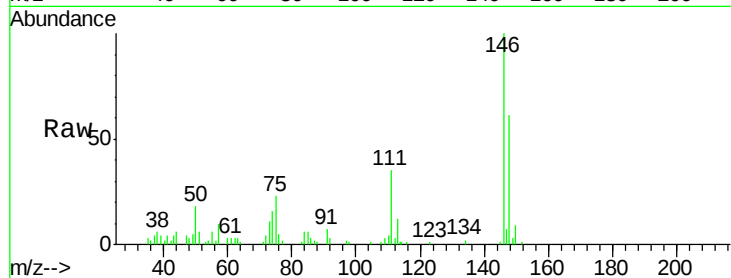
Tot Ion:146 Resp: 7026

Ion Ratio Lower Upper

146 100

111 39.1 19.4 58.1

148 63.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

