

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103018\
 Data File : VX005685.D
 Acq On : 30 Oct 2018 12:13
 Operator : JC/MD
 Sample : VX1030WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBL01

Quant Time: Oct 30 15:55:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	231283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153031	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	139082	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
35) Dibromofluoromethane	5.50	113	111418	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	8.71	98	404024	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	11.14	95	138864	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	

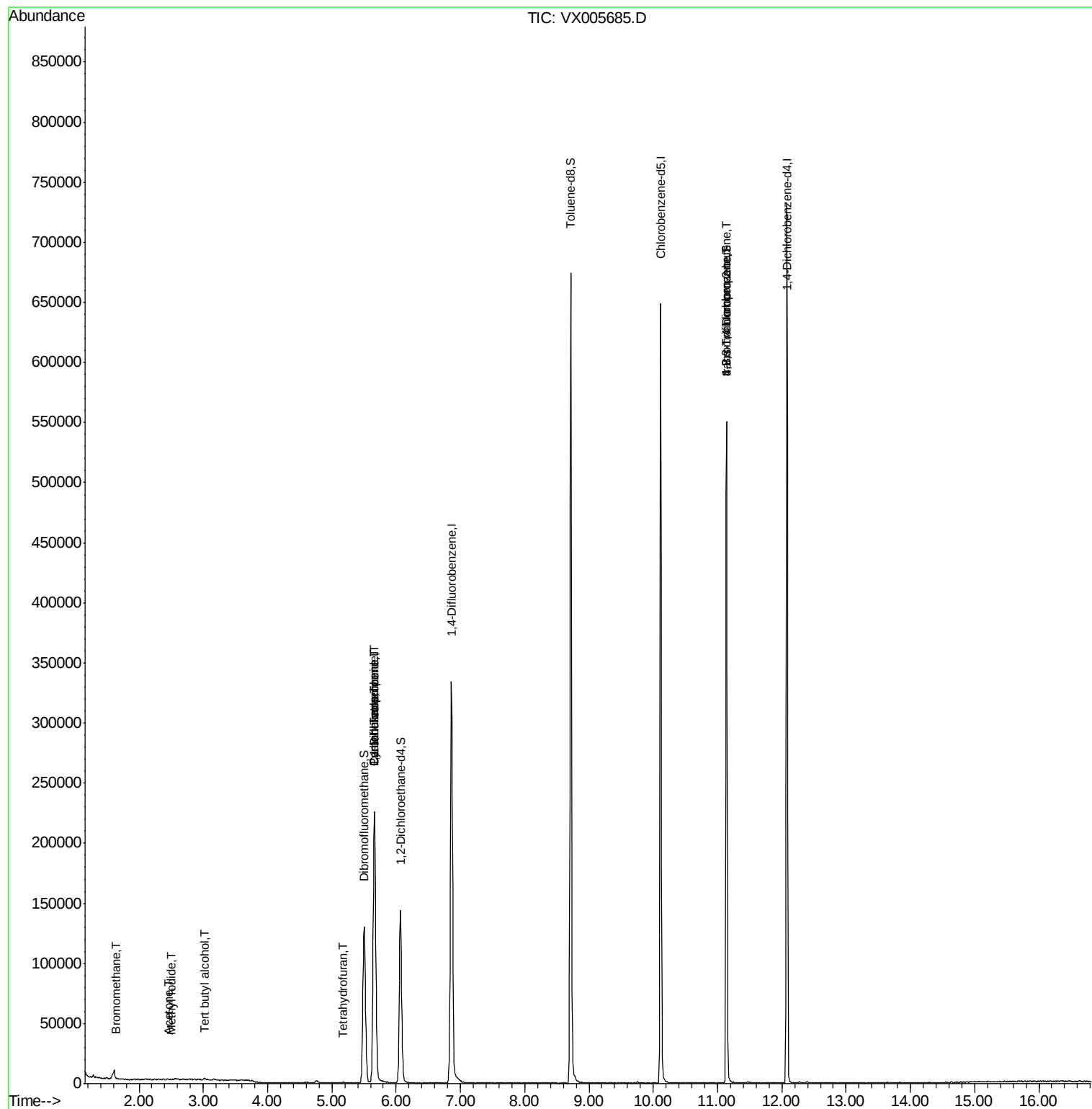
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	409	0.23	ug/l	94
10) Methyl Iodide	2.51	142	189	2.80	ug/l #	69
11) Tert butyl alcohol	3.02	59	1066	1.40	ug/l #	72
16) Acetone	2.45	43	360	0.24	ug/l	93
18) Methyl Acetate	2.77	43	431	Below Cal	#	89
29) Tetrahydrofuran	5.16	42	622	0.42	ug/l #	53
31) Cyclohexane	5.65	56	4305	1.13	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15608	4.72	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21085	6.05	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	68082	21.00	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	68082	68.61	ug/l #	9

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

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VX1030WBL01

Quant Time: Oct 30 15:55:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

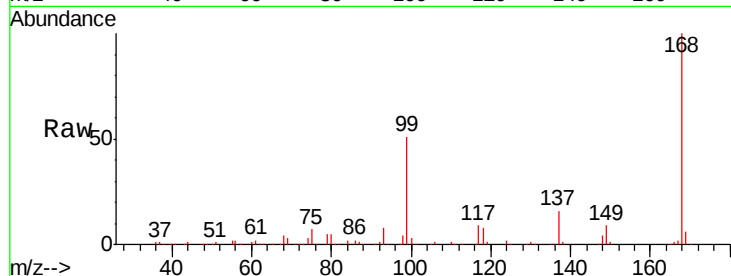
VX1030WBL01

Tgt Ion:168 Resp: 231283

Ion Ratio Lower Upper

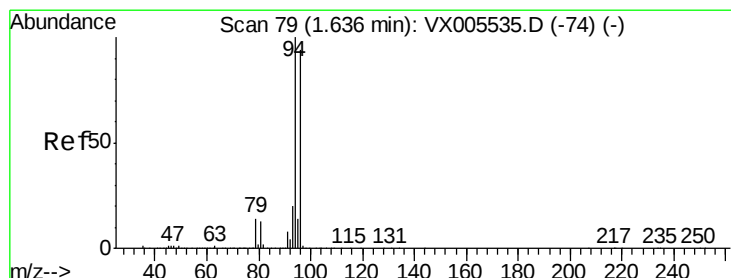
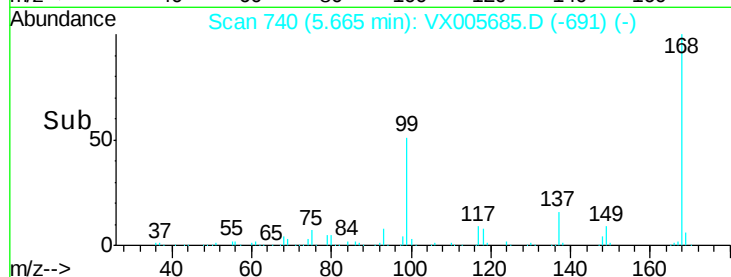
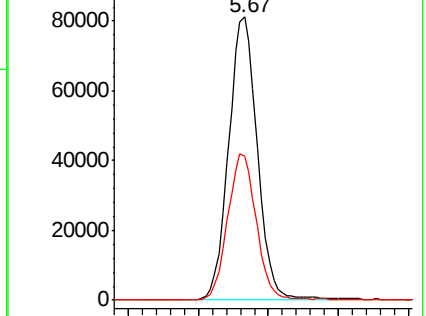
168 100

99 50.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.23 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005685.D

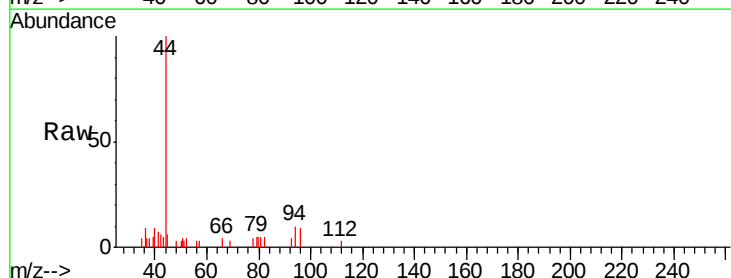
Acq: 30 Oct 2018 12:13

Tgt Ion: 94 Resp: 409

Ion Ratio Lower Upper

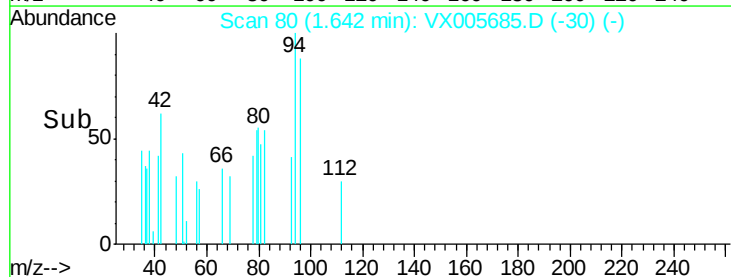
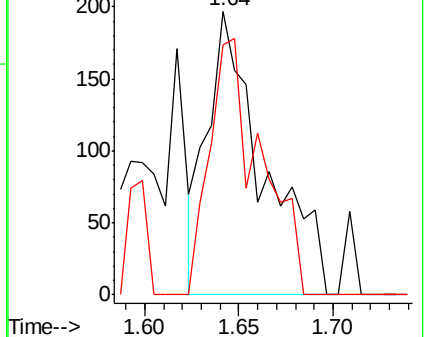
94 100

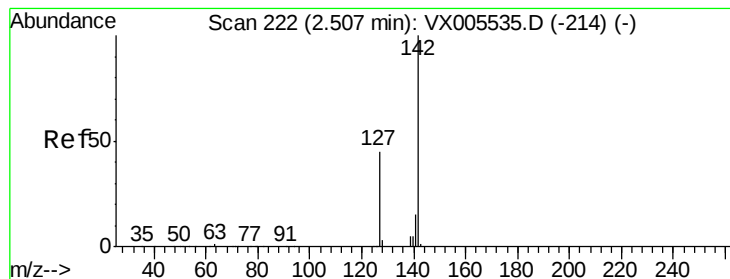
96 88.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 2.80 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBL01

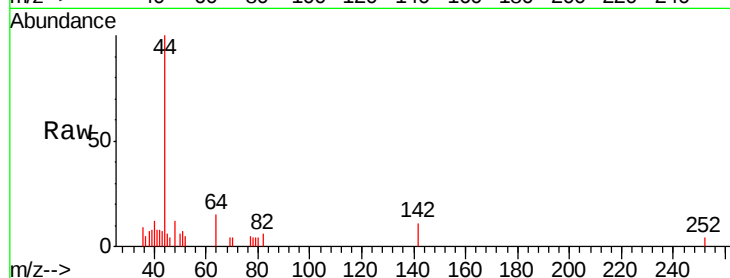
Tgt Ion:142 Resp: 189

Ion Ratio Lower Upper

142 100

127 25.4 36.0 54.0#

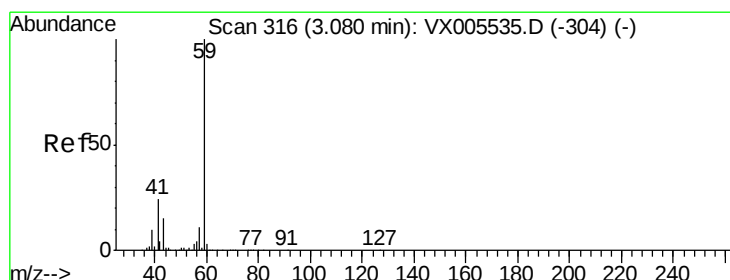
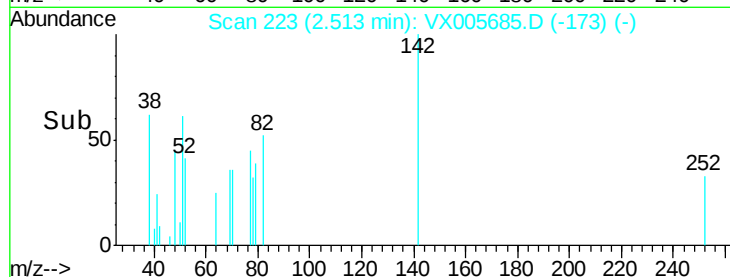
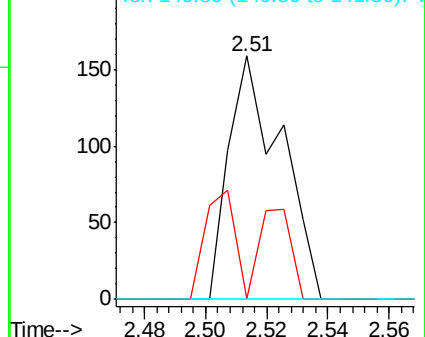
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.40 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005685.D

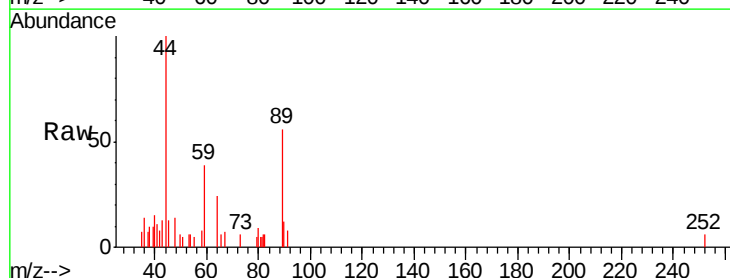
Acq: 30 Oct 2018 12:13

Tgt Ion: 59 Resp: 1066

Ion Ratio Lower Upper

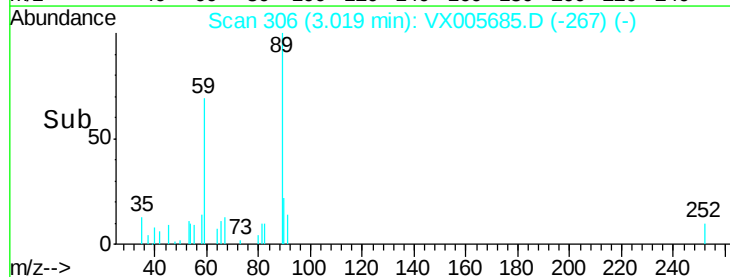
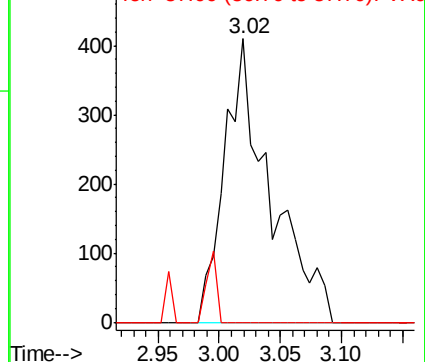
59 100

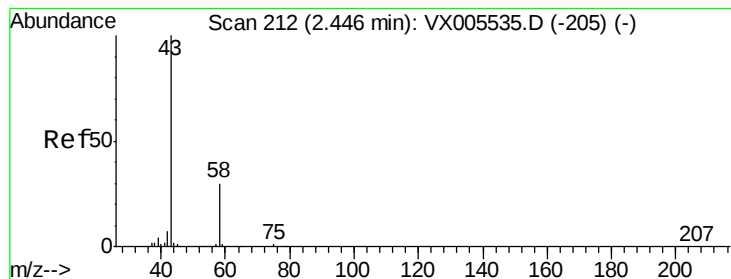
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.24 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

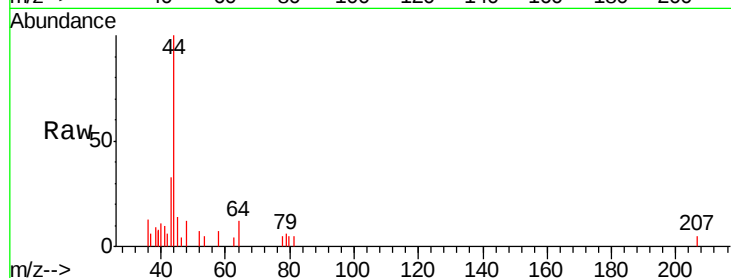
VX1030WBL01

Tgt Ion: 43 Resp: 360

Ion Ratio Lower Upper

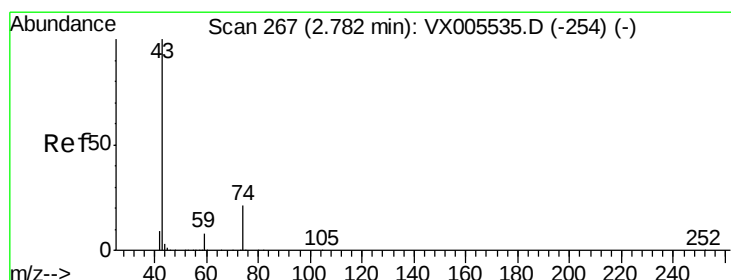
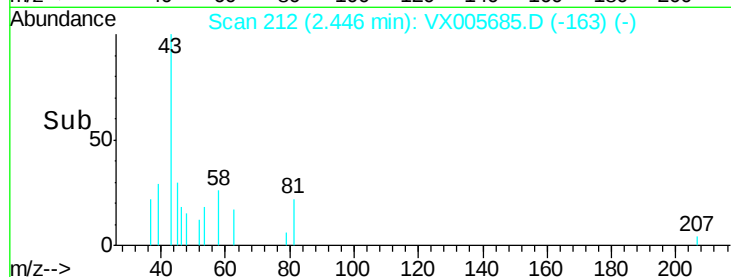
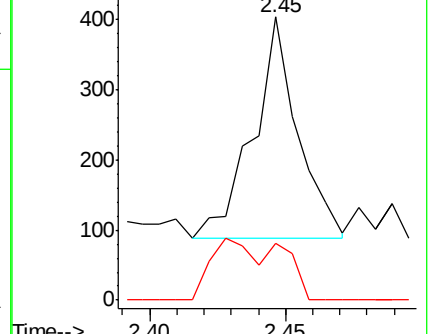
43 100

58 25.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX005685.D

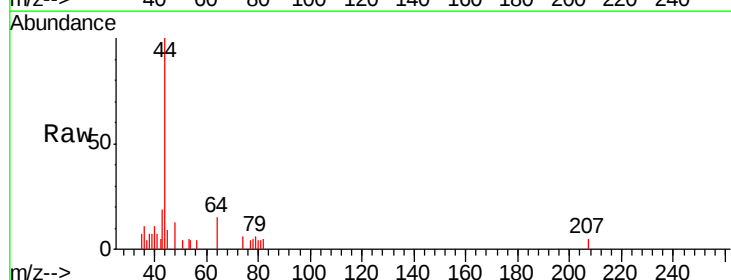
Acq: 30 Oct 2018 12:13

Tgt Ion: 43 Resp: 431

Ion Ratio Lower Upper

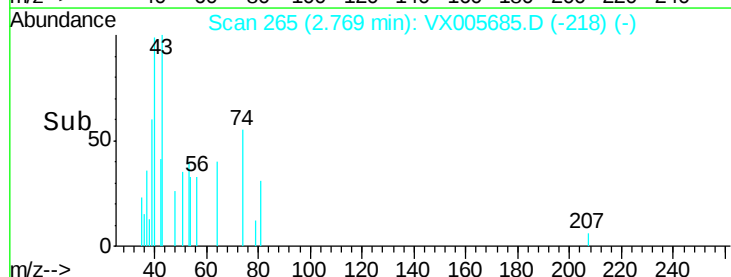
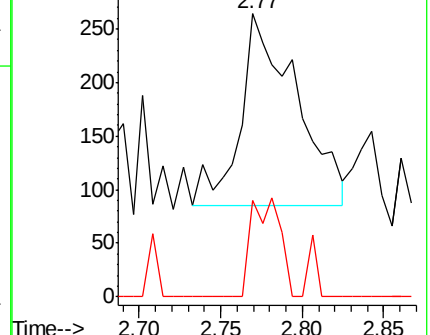
43 100

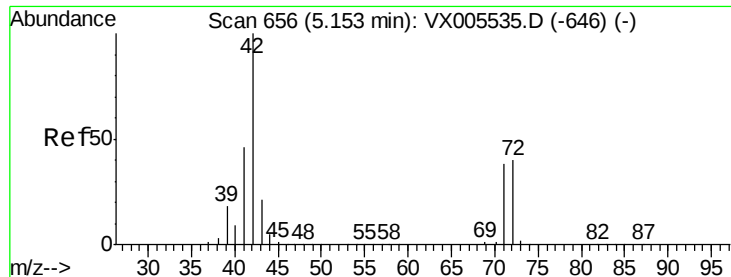
74 26.2 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBL01

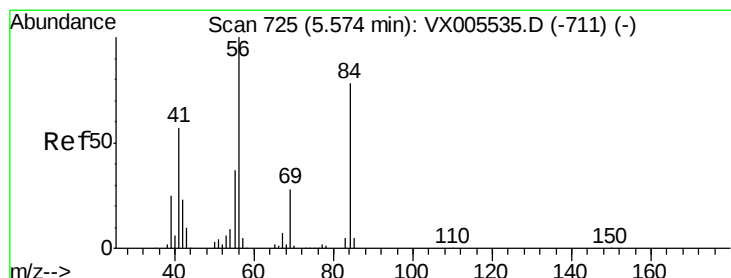
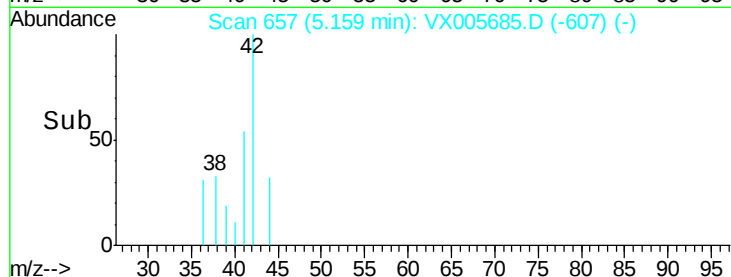
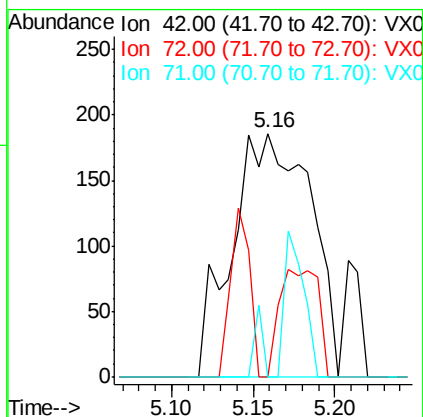
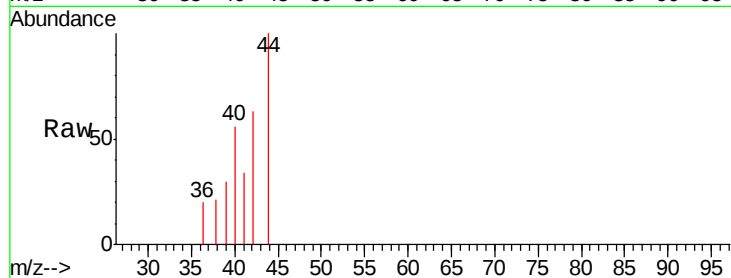
Tgt Ion: 42 Resp: 622

Ion Ratio Lower Upper

42 100

72 16.7 32.0 48.0#

71 3.2 29.8 44.8#



#31

Cyclohexane

Concen: 1.13 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

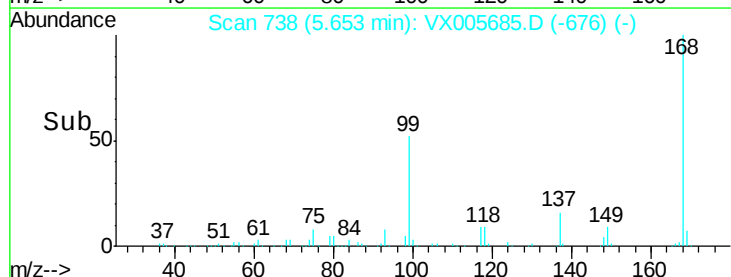
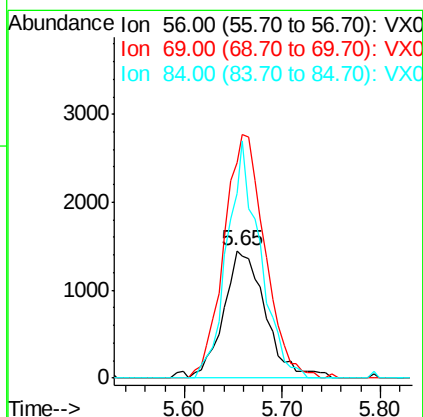
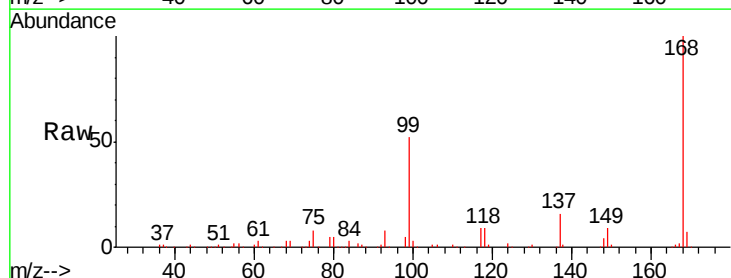
Tgt Ion: 56 Resp: 4305

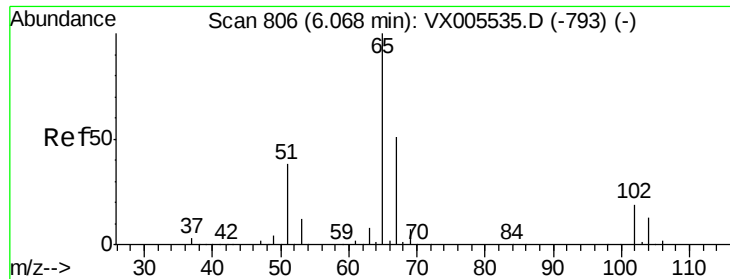
Ion Ratio Lower Upper

56 100

69 168.9 22.6 34.0#

84 144.7 62.7 94.1#





#33

1,2-Dichloroethane-d4

Concen: 49.26 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

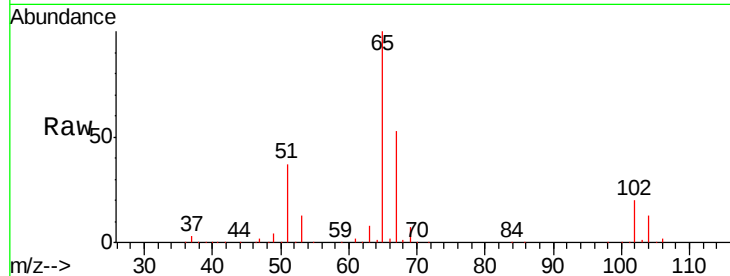
VX1030WBL01

Tgt Ion: 65 Resp: 139082

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.0

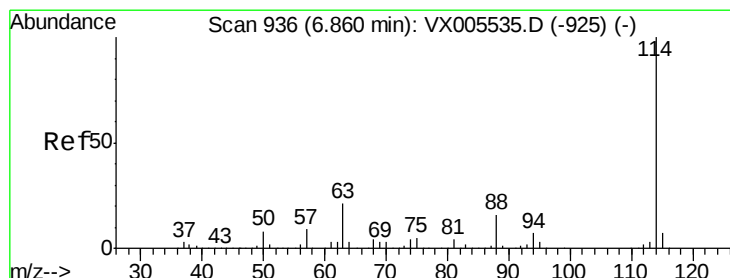
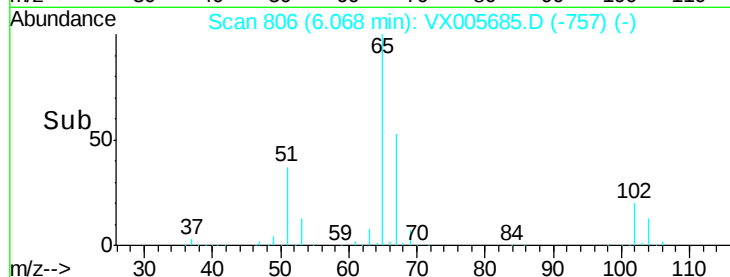


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

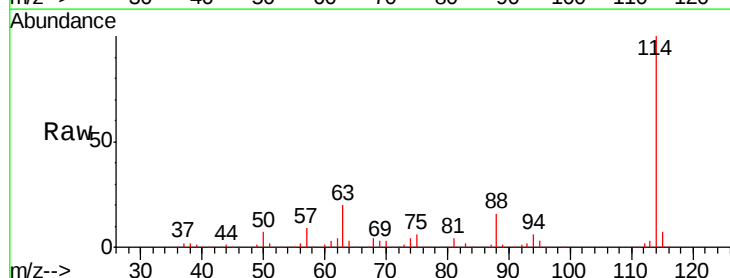
Tgt Ion: 114 Resp: 340983

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

88 15.7 0.0 31.2



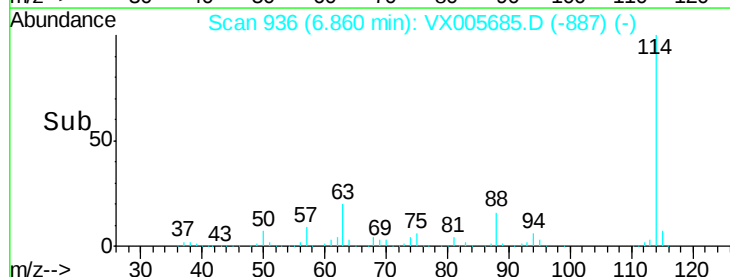
Abundance Ion 113.90 (113.60 to 114.60): V

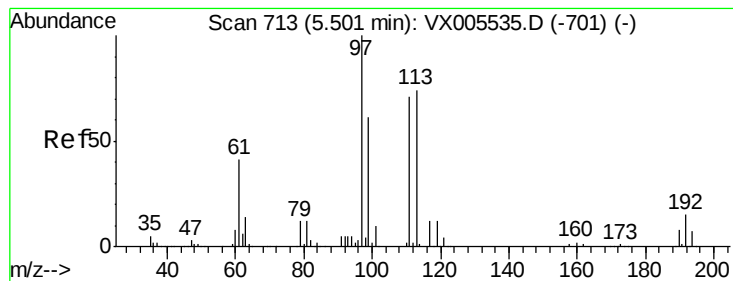
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 48.26 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampled :

VX1030WBL01

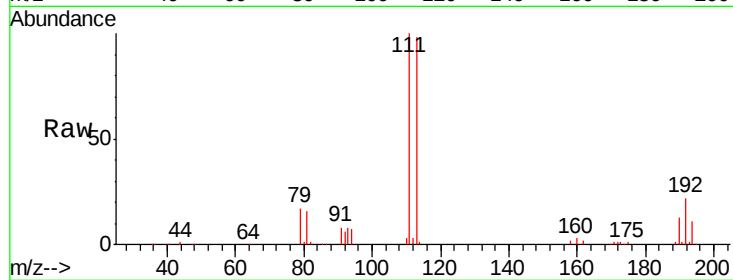
Tgt Ion:113 Resp: 111418

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

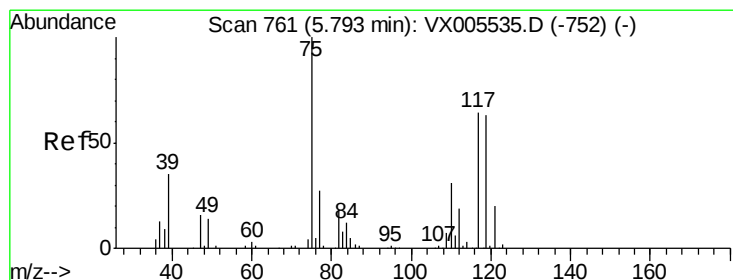
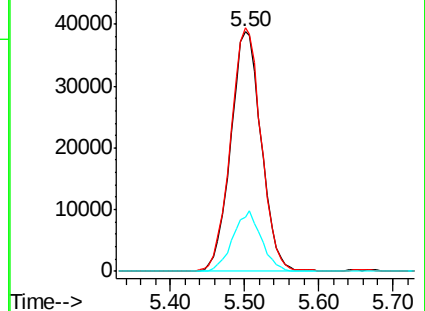
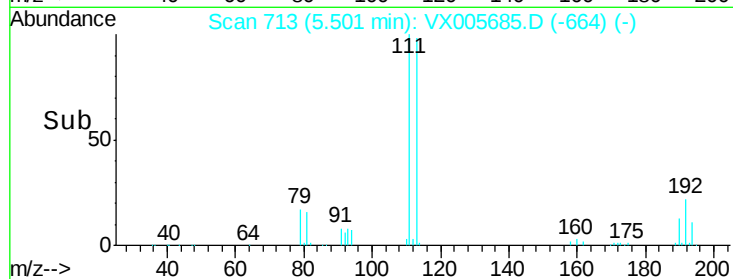
192 23.4 17.9 26.9



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



#36

1,1-Dichloropropene

Concen: 4.72 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

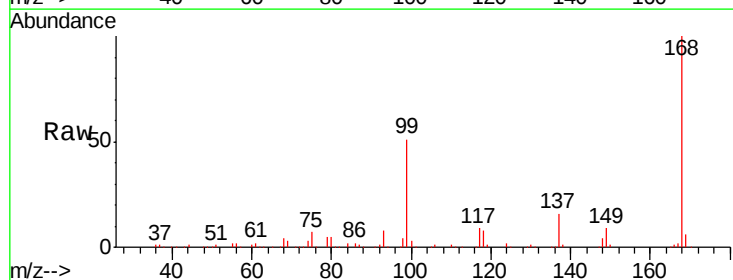
Tgt Ion: 75 Resp: 15608

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.2#

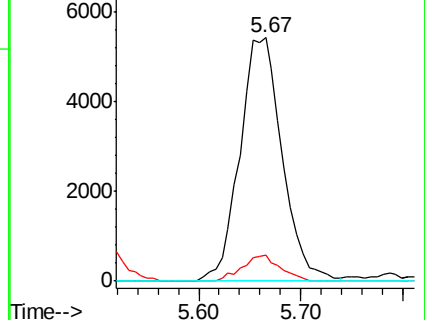
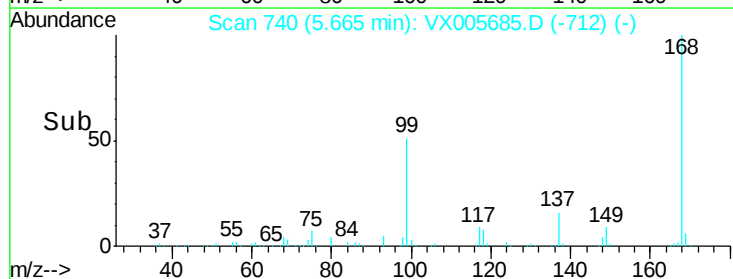
77 0.0 25.8 38.6#

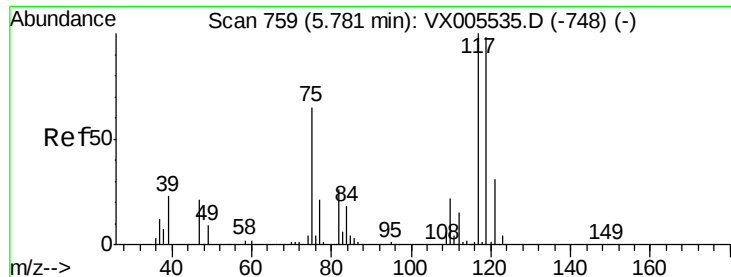


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.05 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBL01

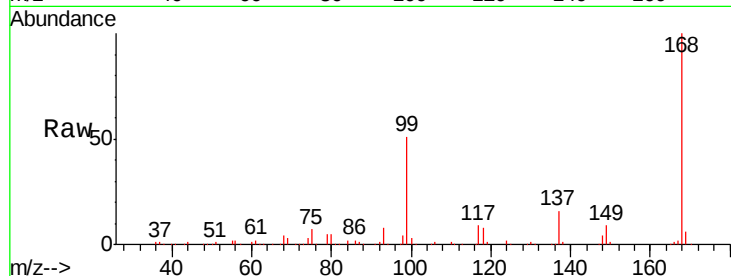
Tgt Ion: 117 Resp: 21085

Ion Ratio Lower Upper

117 100

119 7.7 78.1 117.1#

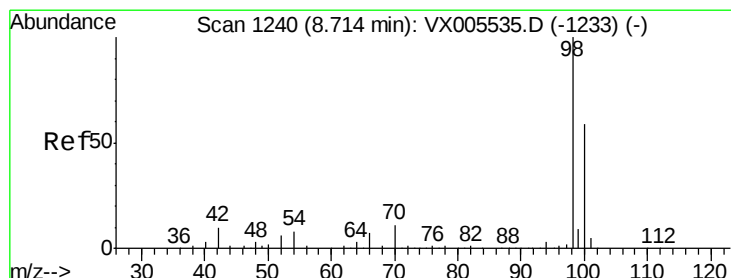
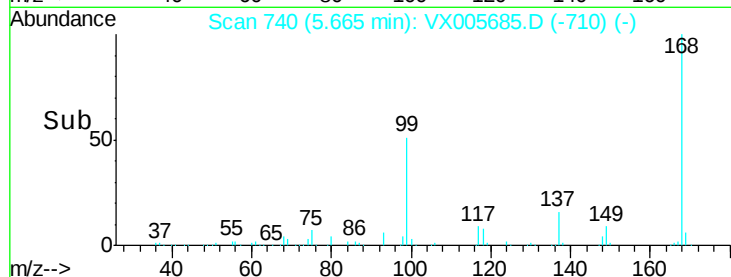
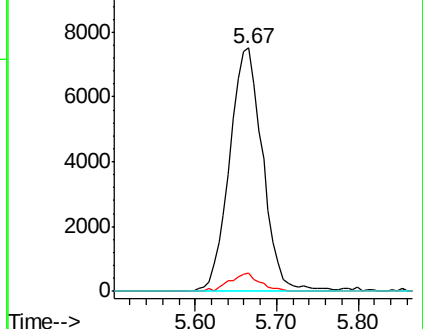
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.70 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005685.D

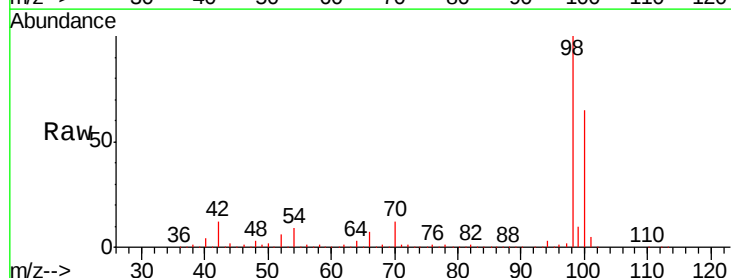
Acq: 30 Oct 2018 12:13

Tgt Ion: 98 Resp: 404024

Ion Ratio Lower Upper

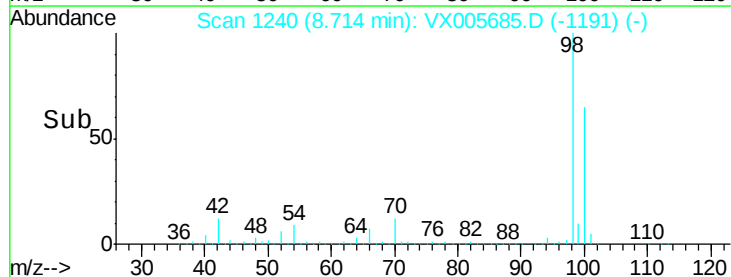
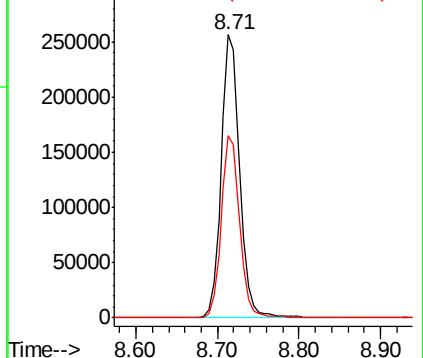
98 100

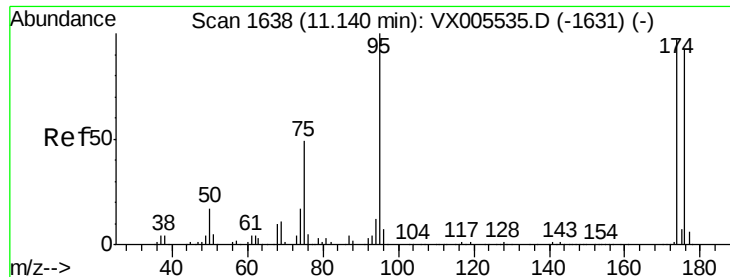
100 64.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

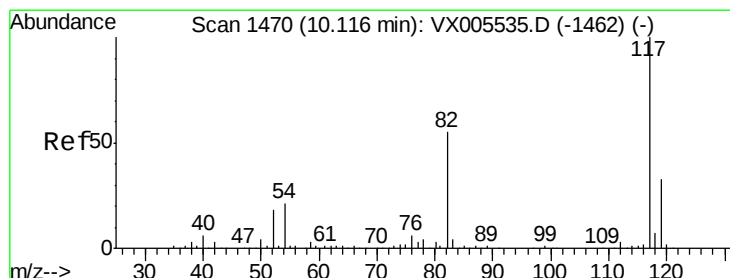
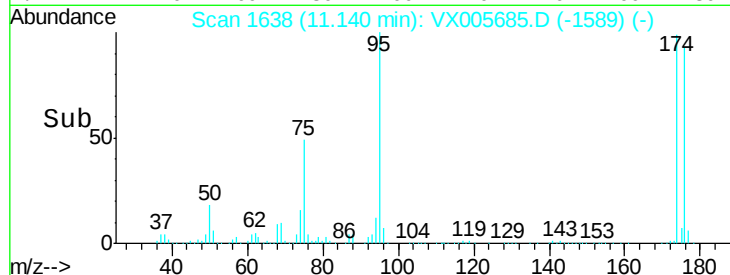
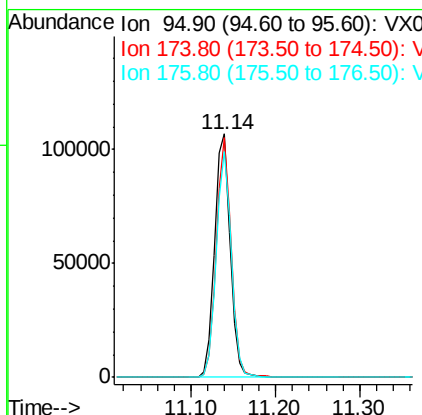
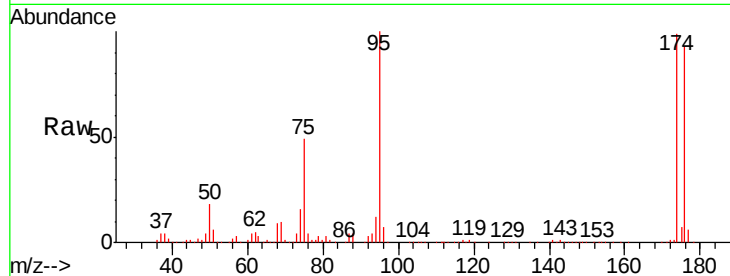




#62
4-Bromofluorobenzene
Concen: 44.32 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005685.D
Acq: 30 Oct 2018 12:13

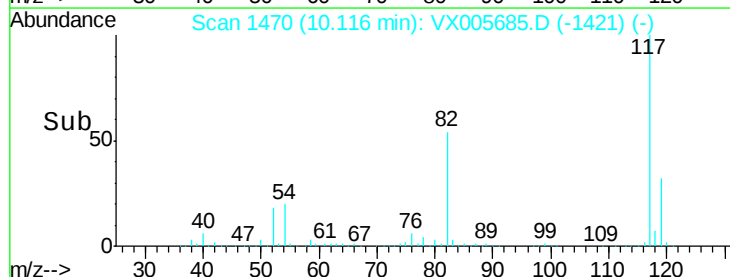
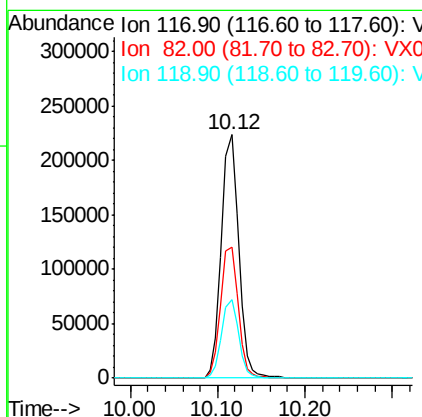
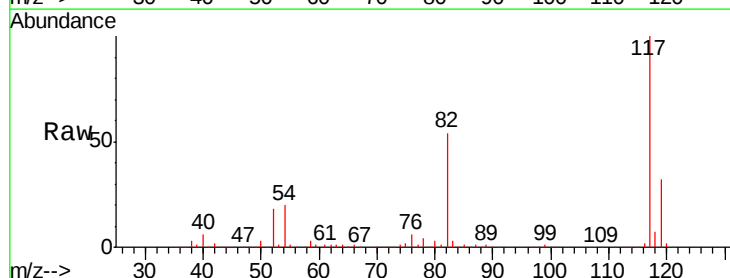
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

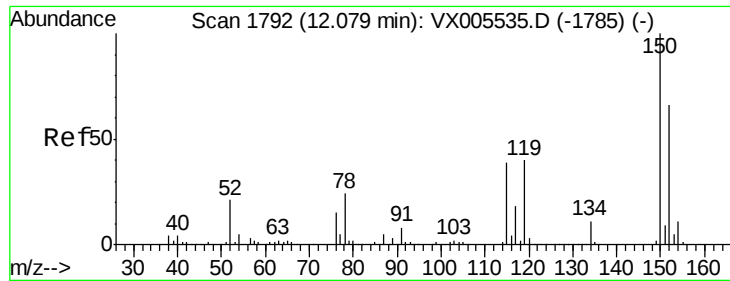
Tgt Ion: 95 Resp: 138864
Ion Ratio Lower Upper
95 100
174 93.6 0.0 184.4
176 89.5 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005685.D
Acq: 30 Oct 2018 12:13

Tgt Ion: 117 Resp: 308023
Ion Ratio Lower Upper
117 100
82 53.6 44.1 66.1
119 32.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBL01

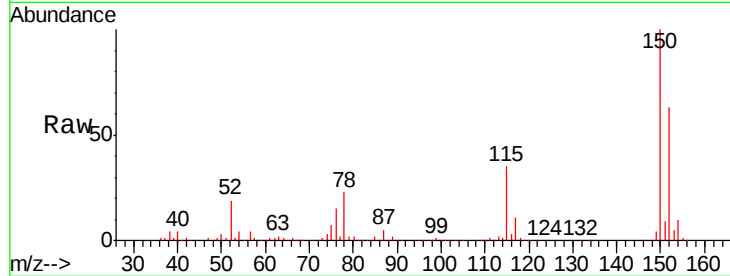
Tgt Ion:152 Resp: 153031

Ion Ratio Lower Upper

152 100

115 55.2 39.4 118.1

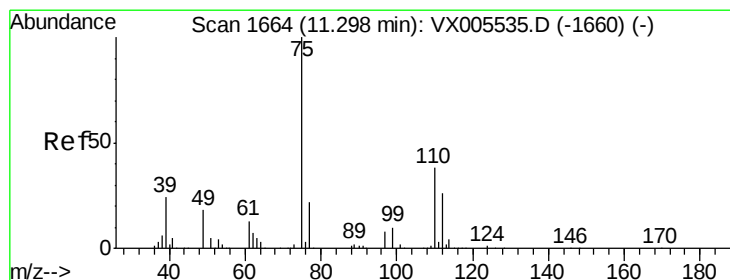
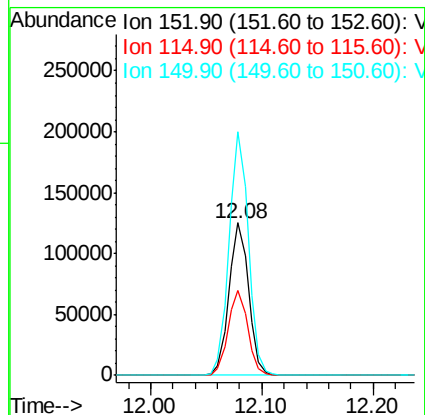
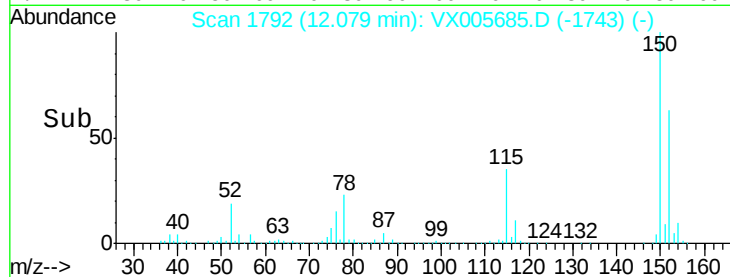
150 156.9 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 21.00 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005685.D

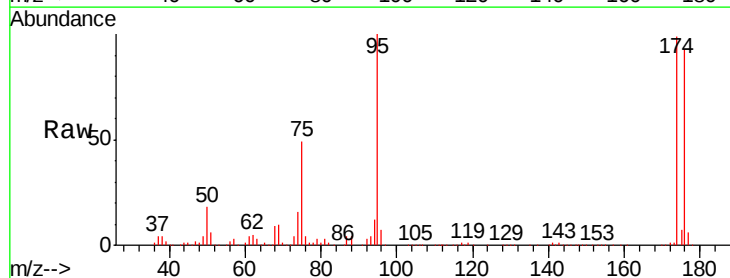
Acq: 30 Oct 2018 12:13

Tgt Ion: 75 Resp: 68082

Ion Ratio Lower Upper

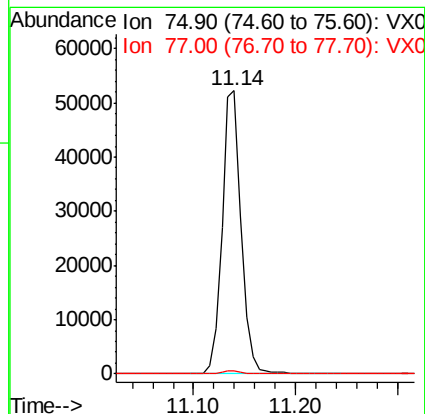
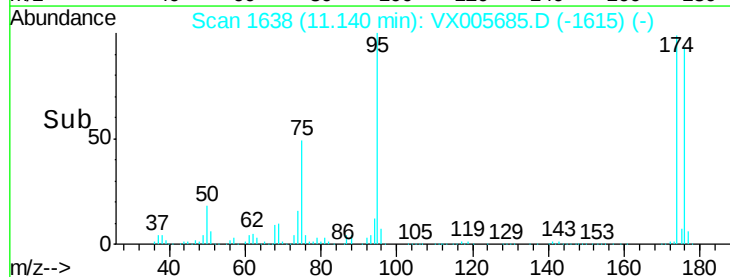
75 100

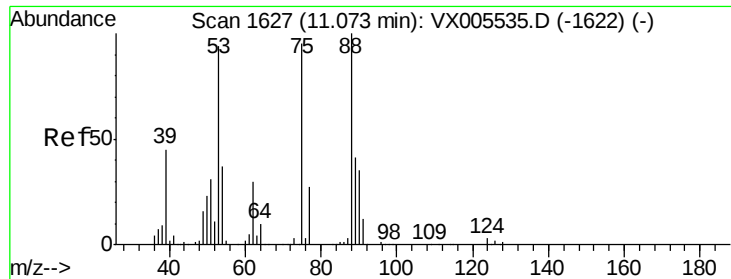
77 1.2 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.61 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005685.D

Acq: 30 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBL01

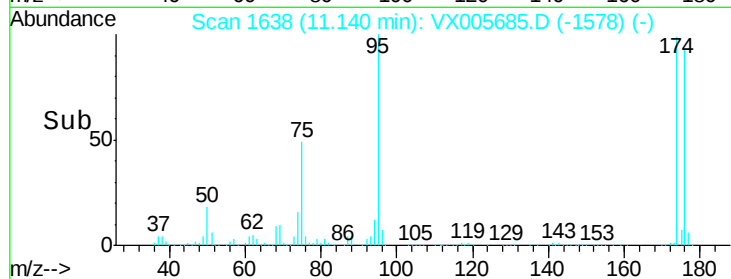
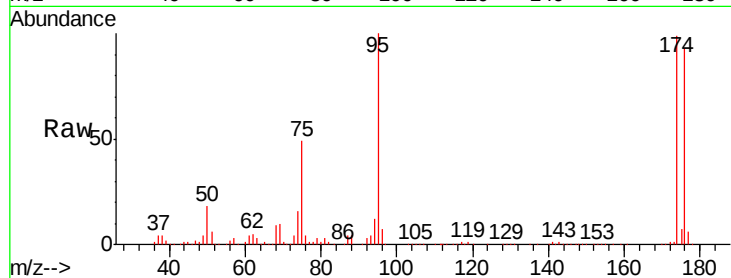
Tgt Ion: 75 Resp: 68082

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

