

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\
 Data File : VX005746.D
 Acq On : 02 Nov 2018 10:41
 Operator : JC/MD
 Sample : VX1102WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1102WBL01

Quant Time: Nov 03 01:24:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	116742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	187667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	164762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	72869	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	89800	52.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.22%	
35) Dibromofluoromethane	5.50	113	69440	53.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.88%	
50) Toluene-d8	8.71	98	230988	50.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.14	95	73263	43.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.12%	

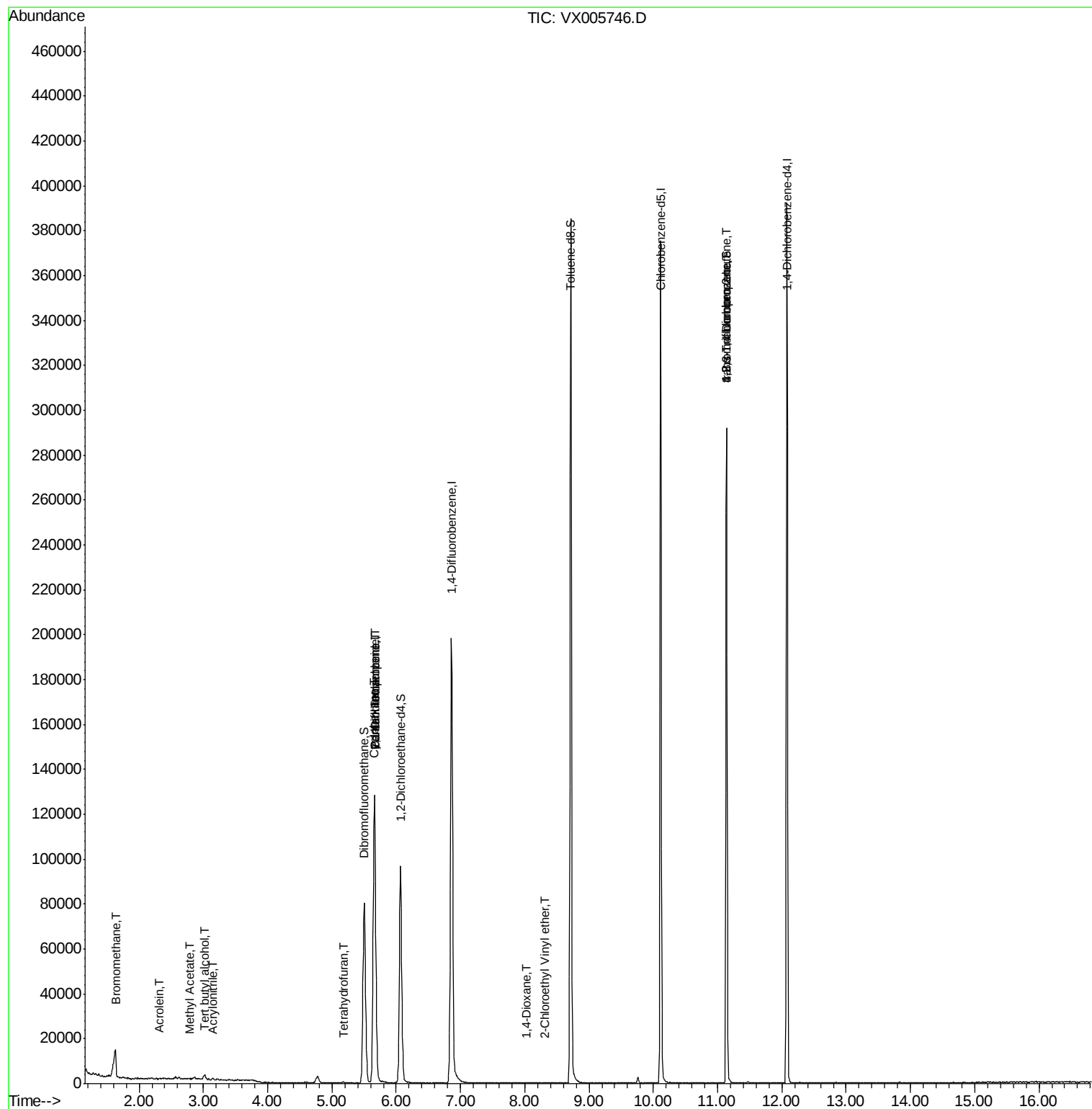
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	690	0.336	ug/l #	70
6) Chloroethane	1.70	64	30	Below Cal	#	42
11) Tert butyl alcohol	3.01	59	1421	3.066	ug/l #	72
13) Acrolein	2.32	56	46	12.315	ug/l #	61
15) Acrylonitrile	3.15	53	252	0.247	ug/l #	41
16) Acetone	2.45	43	245	Below Cal	#	62
18) Methyl Acetate	2.79	43	507	0.207	ug/l #	77
29) Tetrahydrofuran	5.18	42	333	0.379	ug/l #	42
31) Cyclohexane	5.65	56	3065	1.344	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	10426	5.214	ug/l #	48
38) Carbon Tetrachloride	5.67	117	12196	6.751	ug/l #	16
49) 1,4-Dioxane	8.02	88	22	0.551	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	26	10.356	ug/l #	48
76) 1,2,3-Trichloropropane	11.14	75	38887	21.427	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	38887	69.228	ug/l #	9

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

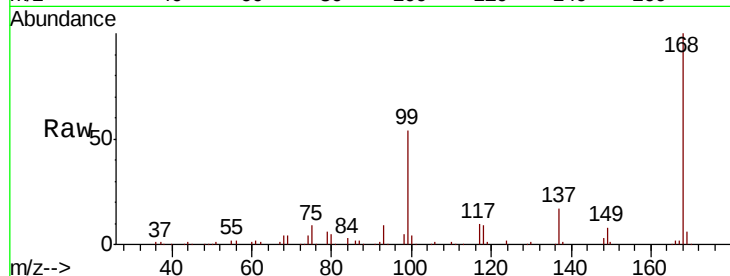
VX1102WBL01

Tot Ion:168 Resp: 116742

Ion Ratio Lower Upper

168 100

99 53.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

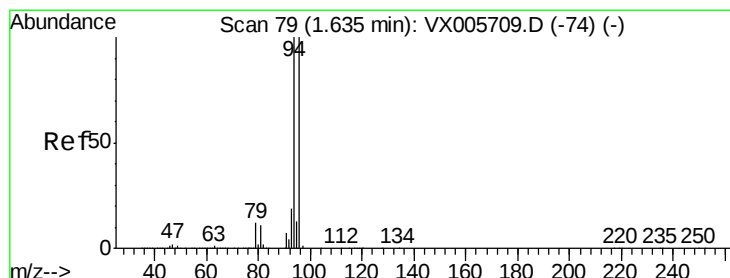
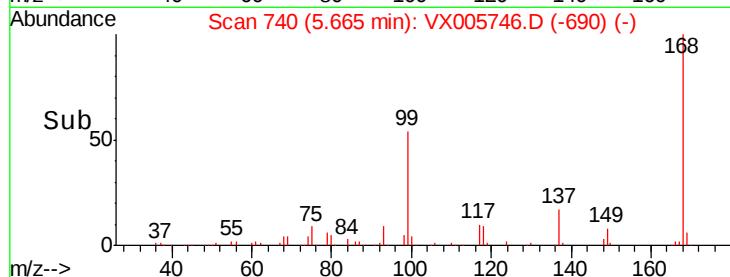
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.336 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005746.D

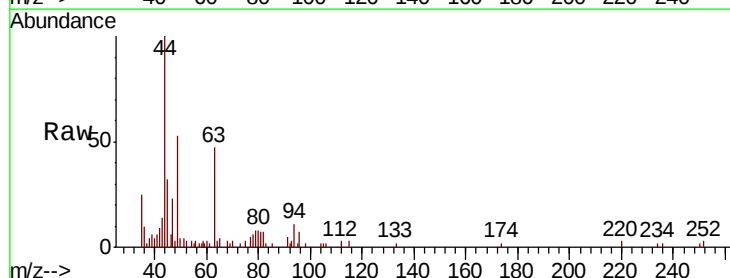
Acq: 02 Nov 2018 10:41

Tgt Ion: 94 Resp: 690

Ion Ratio Lower Upper

94 100

96 65.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

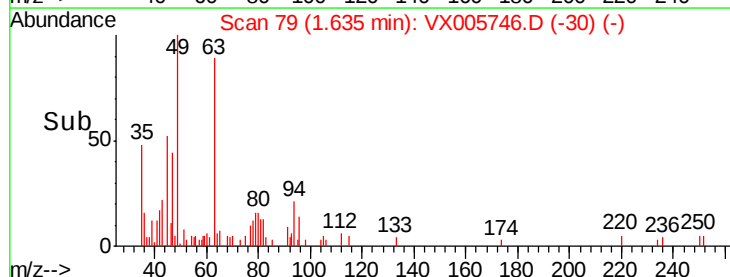
300

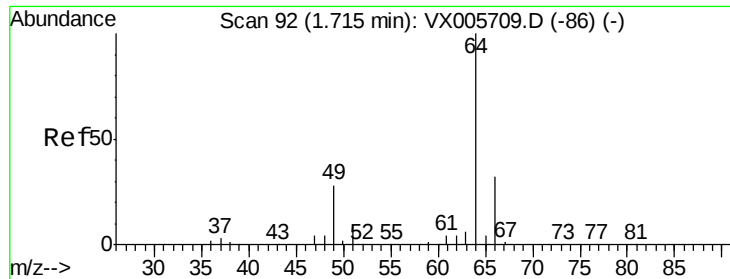
200

100

0

Time--> 1.55 1.60 1.65 1.70

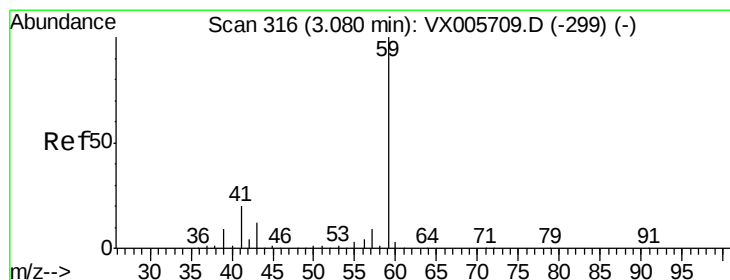
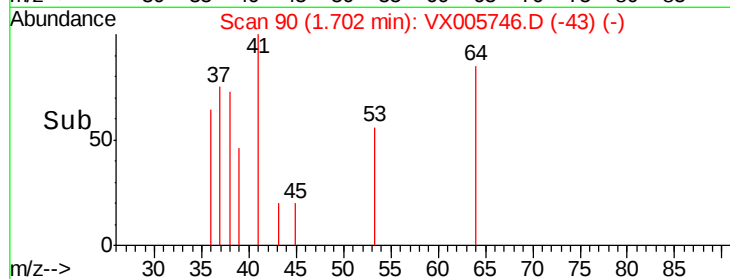
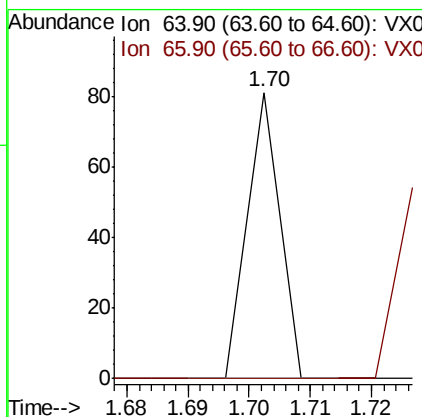
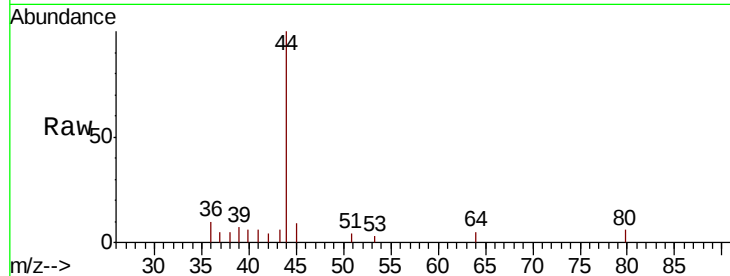




#6
 Chloroethane
 Concen: Below Cal
 RT: 1.70 min Scan# 90
 Delta R.T. -0.01 min
 Lab File: VX005746.D
 Acq: 02 Nov 2018 10:41

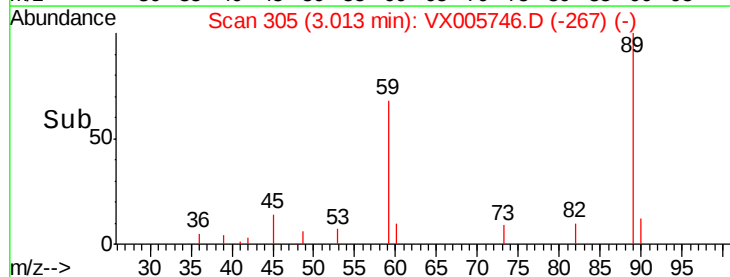
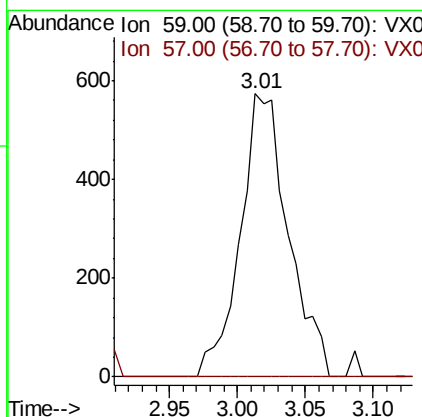
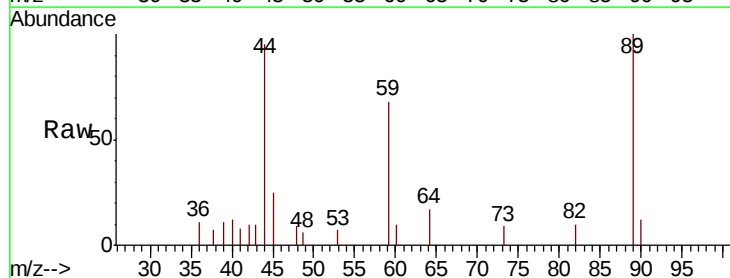
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1102WBL01

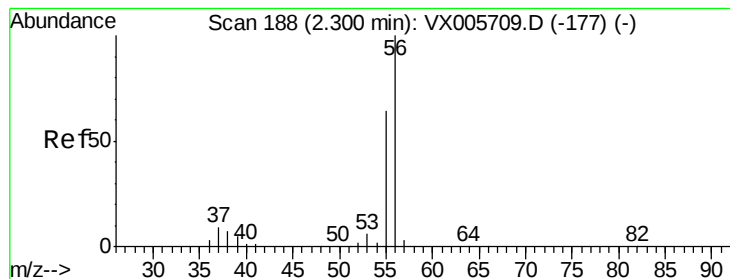
Tot Ion: 64 Resp: 30
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.8 38.6#



#11
 Tert butyl alcohol
 Concen: 3.066 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.07 min
 Lab File: VX005746.D
 Acq: 02 Nov 2018 10:41

Tgt Ion: 59 Resp: 1421
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#





#13

Acrolein

Concen: 12.315 ug/l

RT: 2.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

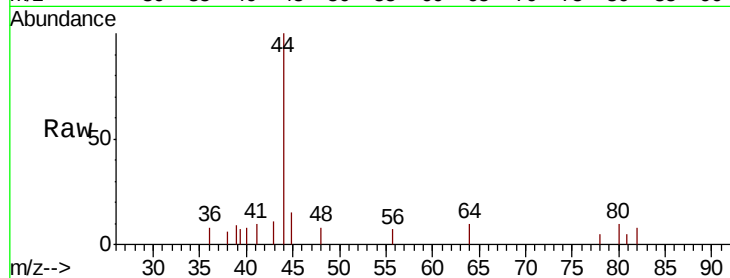
VX1102WBL01

Tot Ion: 56 Resp: 46

Ion Ratio Lower Upper

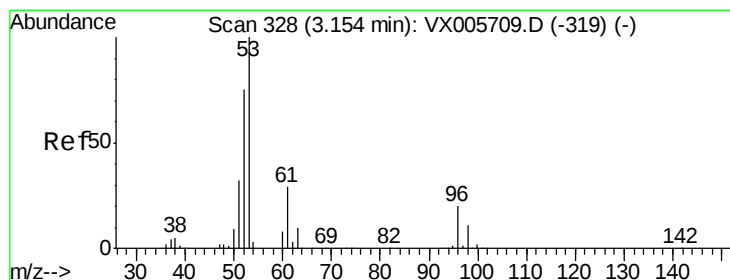
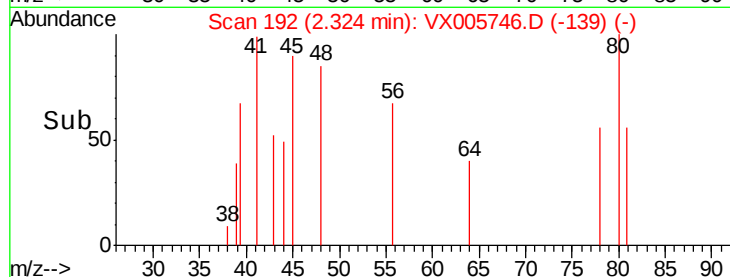
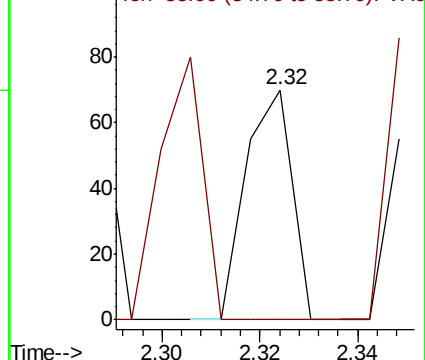
56 100

55 104.3 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.247 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

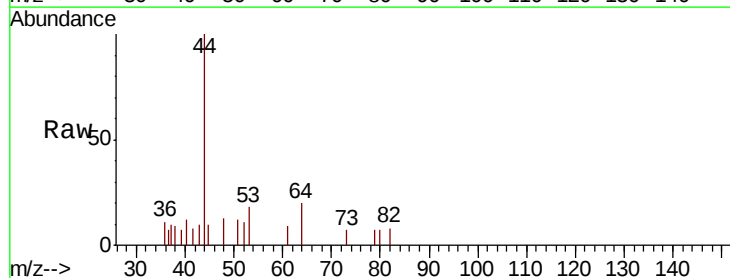
Tgt Ion: 53 Resp: 252

Ion Ratio Lower Upper

53 100

52 122.2 66.6 99.8#

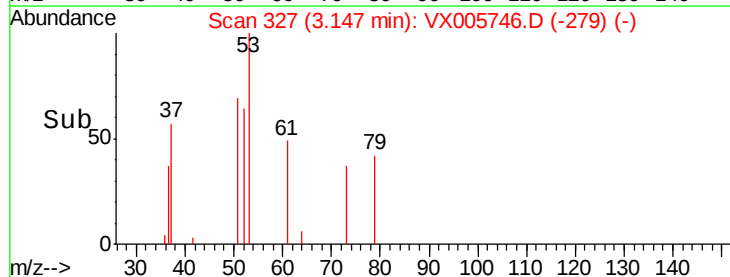
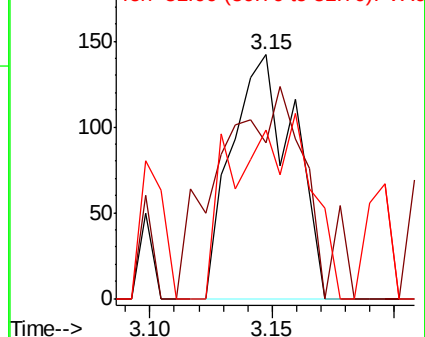
51 92.5 28.4 42.6#

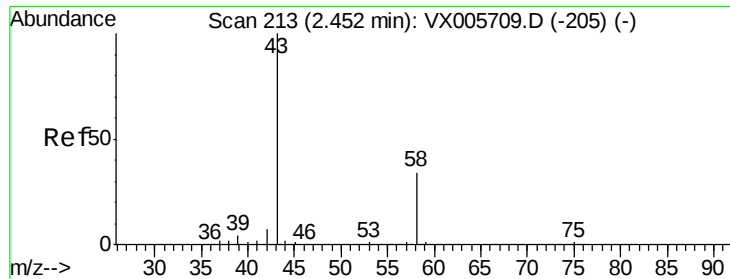


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

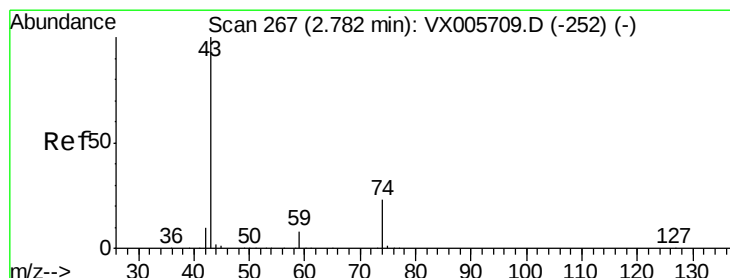
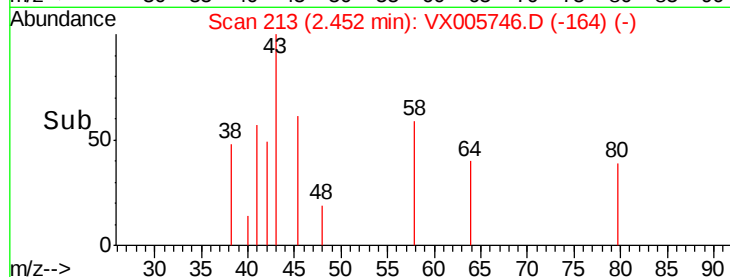
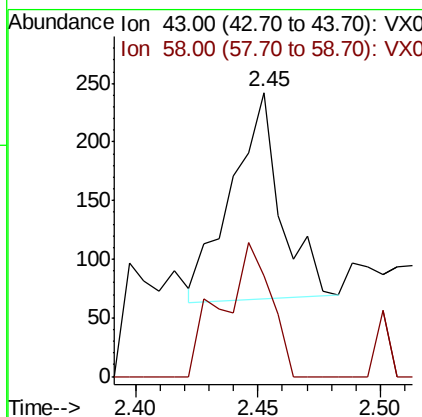
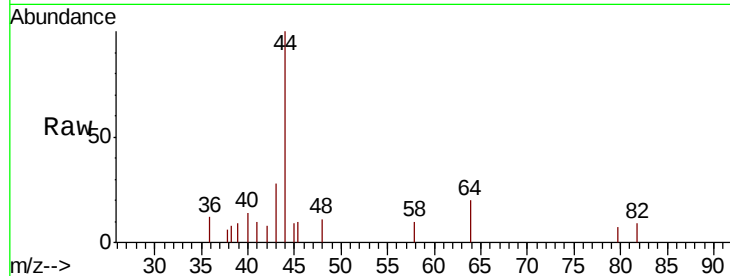




#16
 Acetone
 Concen: Below Cal
 RT: 2.45 min Scan# 213
 Delta R.T. 0.00 min
 Lab File: VX005746.D
 Acq: 02 Nov 2018 10:41

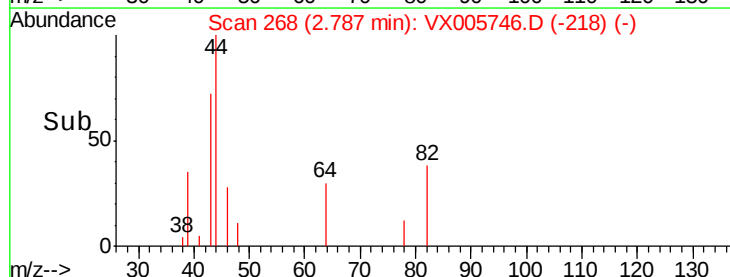
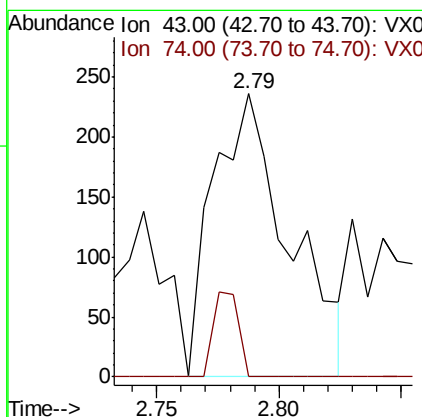
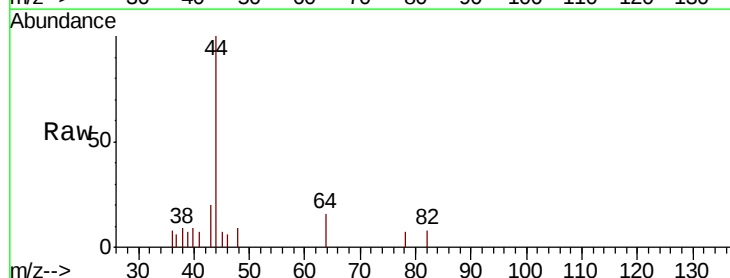
Instrument :
 MSVOA_X
 ClientSampled :
 VX1102WBL01

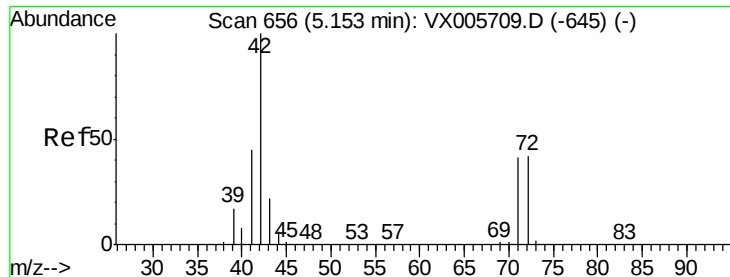
Tot Ion: 43 Resp: 245
 Ion Ratio Lower Upper
 43 100
 58 50.0 23.8 35.6#



#18
 Methyl Acetate
 Concen: 0.207 ug/l
 RT: 2.79 min Scan# 268
 Delta R.T. 0.01 min
 Lab File: VX005746.D
 Acq: 02 Nov 2018 10:41

Tgt Ion: 43 Resp: 507
 Ion Ratio Lower Upper
 43 100
 74 10.1 16.8 25.2#





#29

Tetrahydrofuran

Concen: 0.379 ug/l

RT: 5.18 min Scan# 661

Delta R.T. 0.03 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX1102WBL01

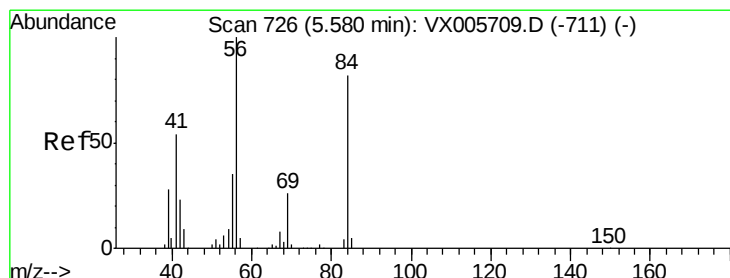
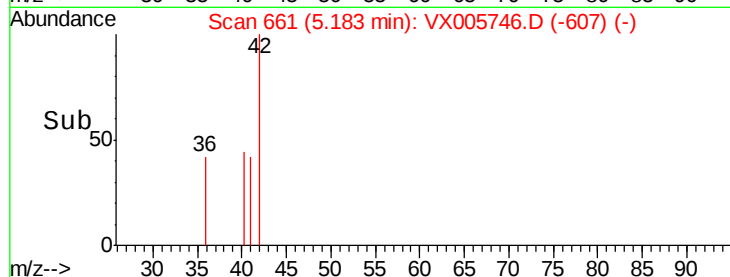
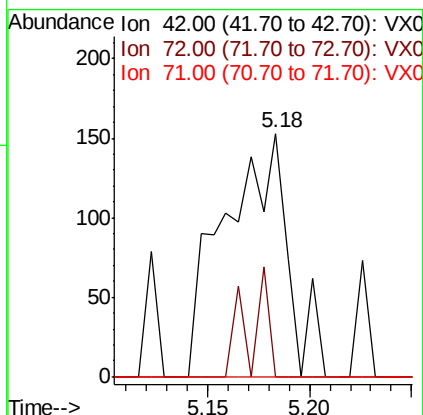
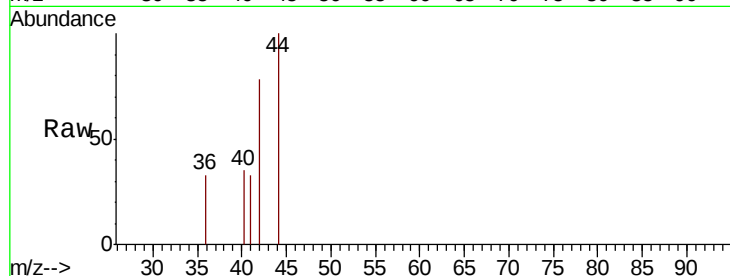
Tot Ion: 42 Resp: 333

Ion Ratio Lower Upper

42 100

72 6.3 32.0 48.0#

71 0.0 29.8 44.8#



#31

Cyclohexane

Concen: 1.344 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

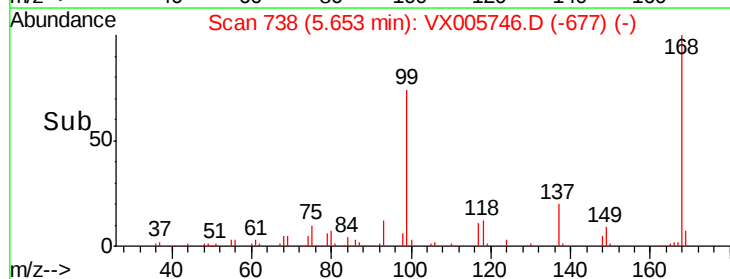
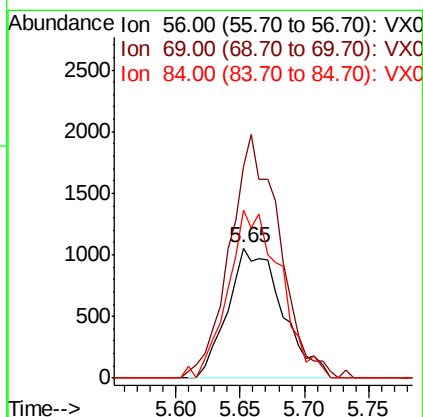
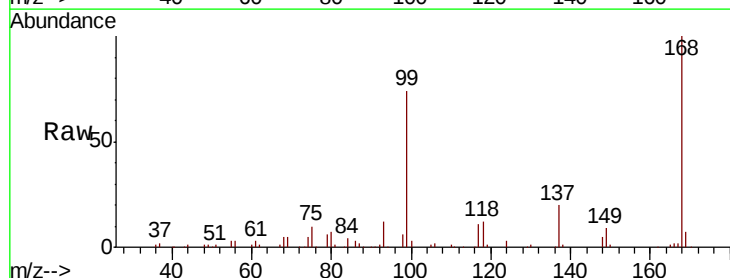
Tgt Ion: 56 Resp: 3065

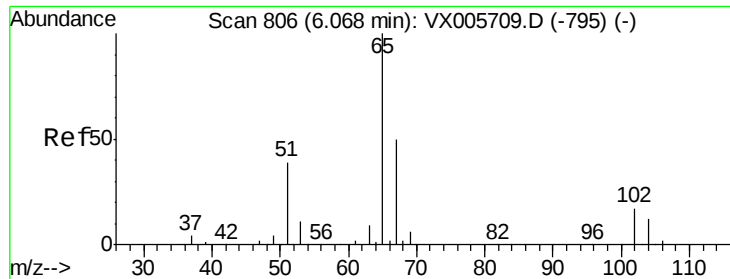
Ion Ratio Lower Upper

56 100

69 162.9 22.6 34.0#

84 128.8 62.7 94.1#





#33

1,2-Dichloroethane-d4

Concen: 52.613 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

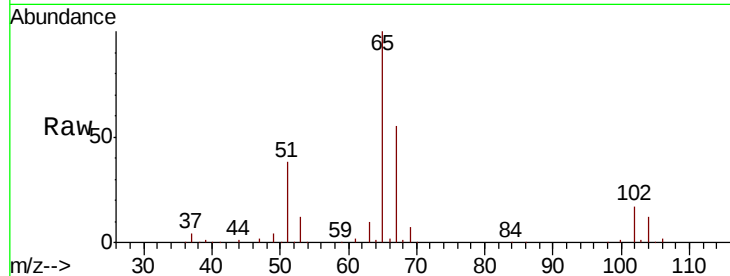
VX1102WBL01

Tot Ion: 65 Resp: 89800

Ion Ratio Lower Upper

65 100

67 57.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX005709.D (-795) (-)

Ion 66.90 (66.60 to 67.60): VX005709.D (-795) (-)

6.07

40000

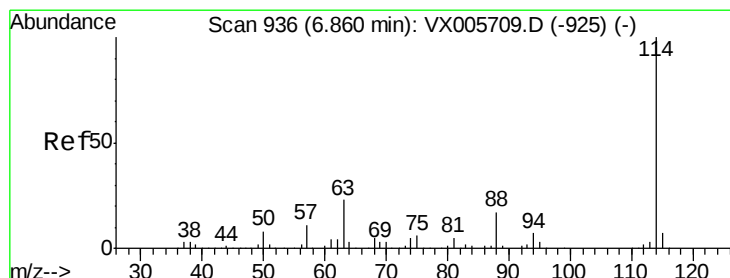
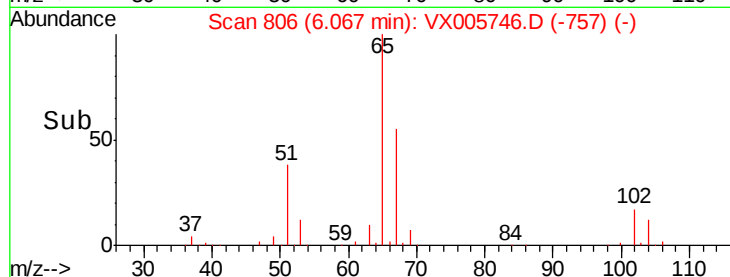
30000

20000

10000

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: VX005746.D

Acq: 02 Nov 2018 10:41

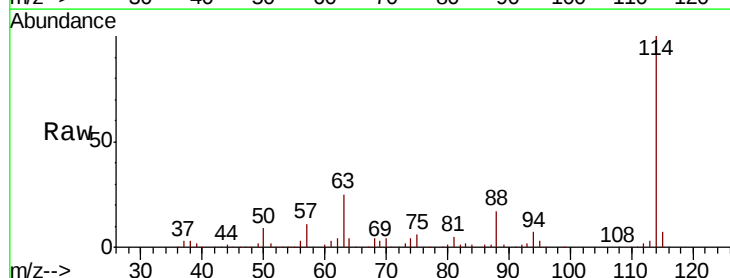
Tgt Ion: 114 Resp: 187667

Ion Ratio Lower Upper

114 100

63 24.9 0.0 42.8

88 16.7 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VX005709.D (-925) (-)

Ion 63.00 (62.70 to 63.70): VX005709.D (-925) (-)

Ion 87.90 (87.60 to 88.60): VX005709.D (-925) (-)

6.86

100000

80000

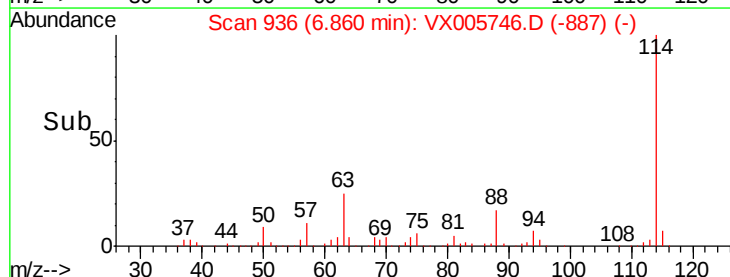
60000

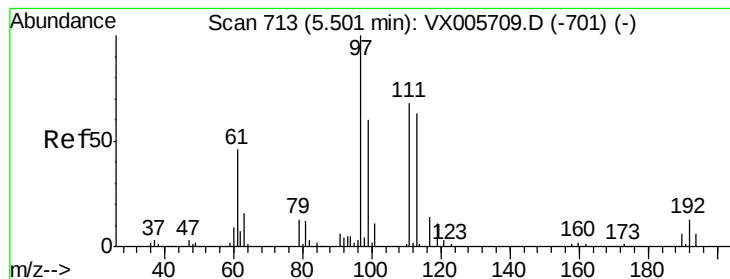
40000

20000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 53.439 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX1102WBL01

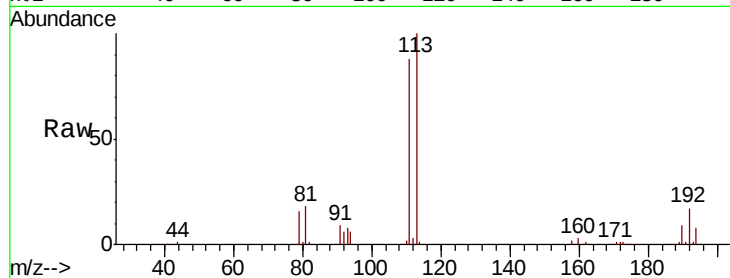
Tot Ion:113 Resp: 69440

Ion Ratio Lower Upper

113 100

111 99.9 82.3 123.5

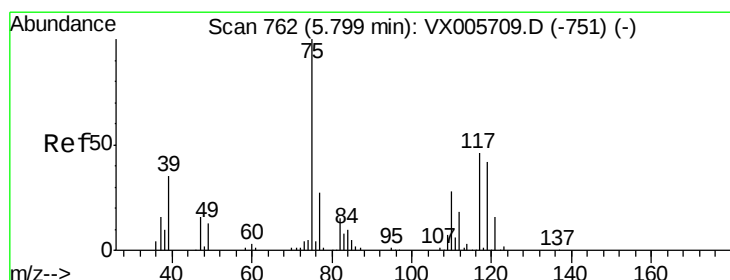
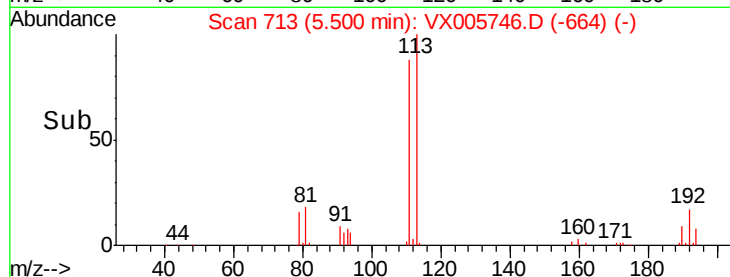
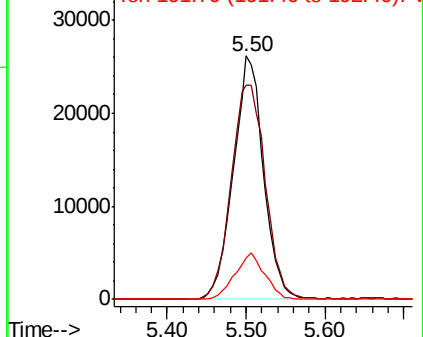
192 18.9 17.9 26.9



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: 5.214 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

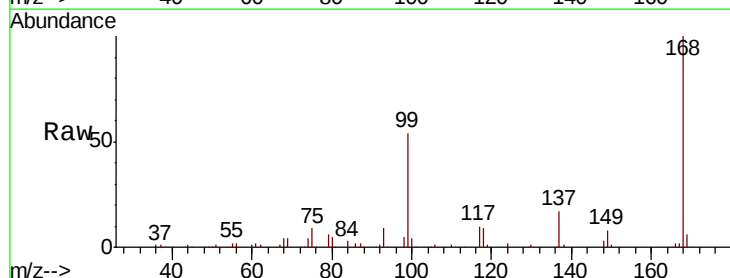
Tgt Ion: 75 Resp: 10426

Ion Ratio Lower Upper

75 100

110 7.8 17.4 52.2#

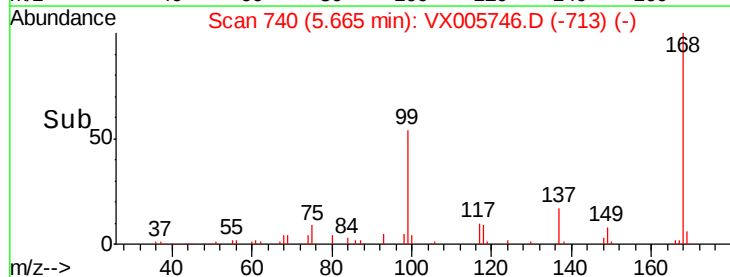
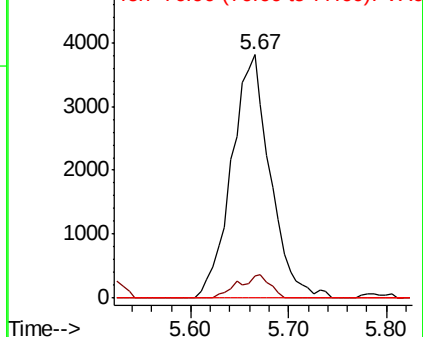
77 0.0 25.8 38.6#

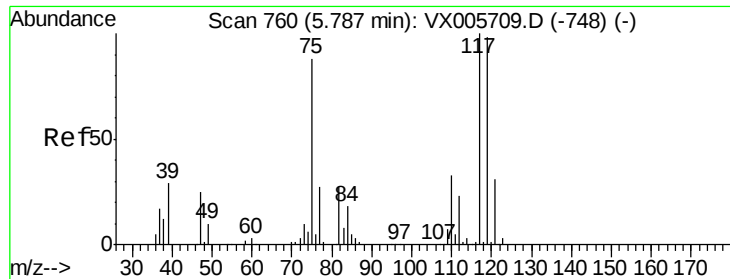


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.751 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX1102WBL01

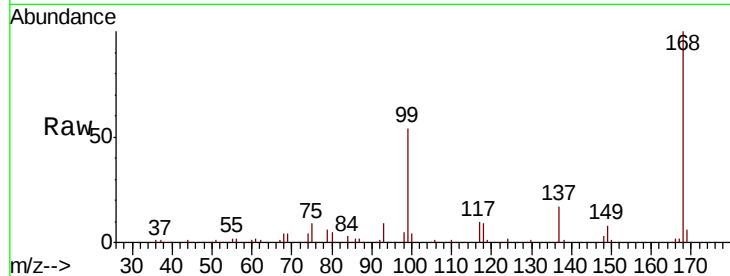
Tot Ion:117 Resp: 12196

Ion Ratio Lower Upper

117 100

119 5.7 78.1 117.1#

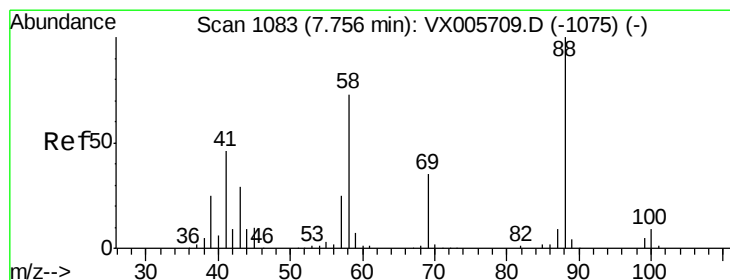
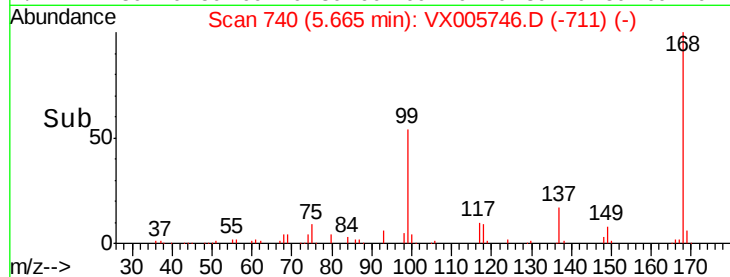
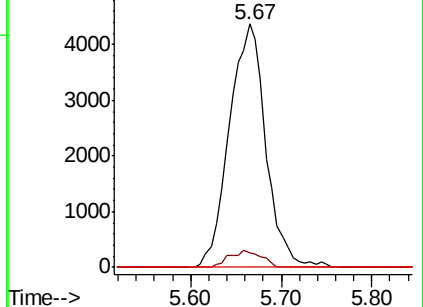
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.551 ug/l

RT: 8.02 min Scan# 1126

Delta R.T. 0.26 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

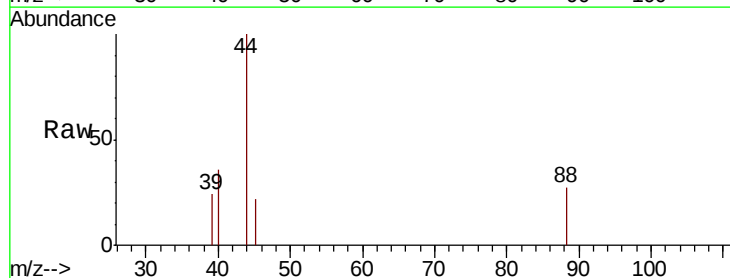
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 122.7 27.4 41.0#

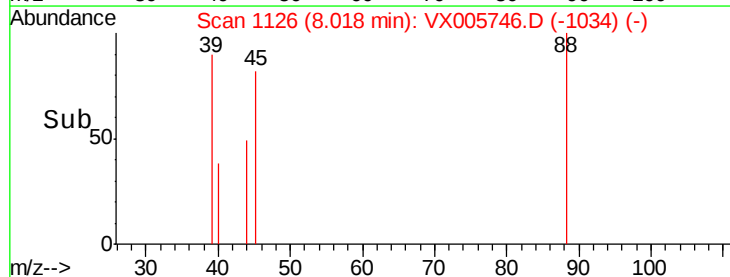
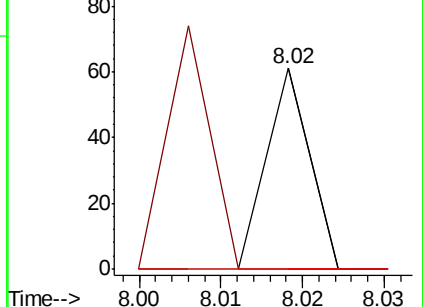
58 0.0 59.4 89.2#

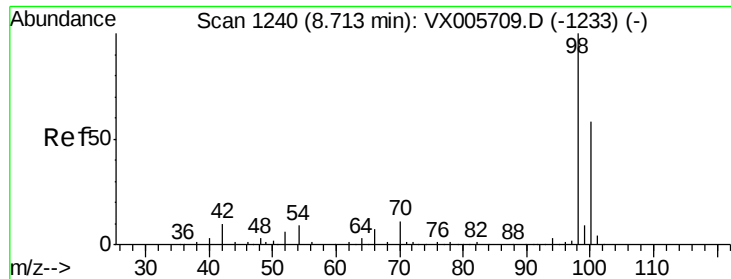


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

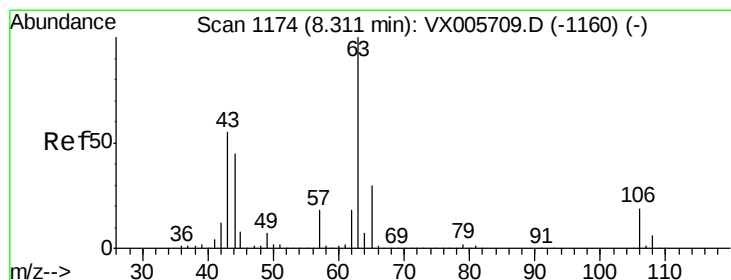
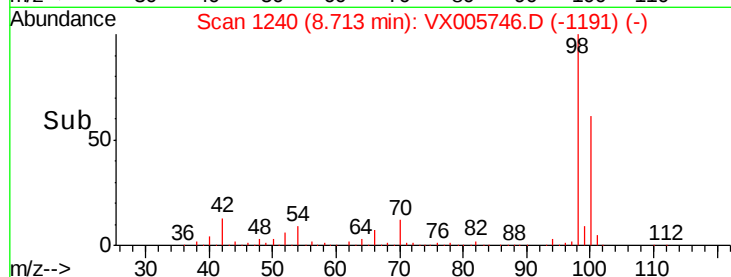
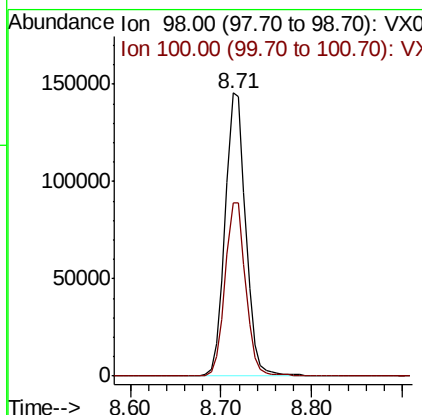
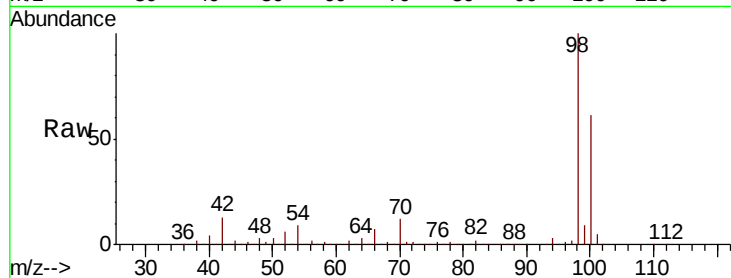




#50
Toluene-d8
Concen: 50.683 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

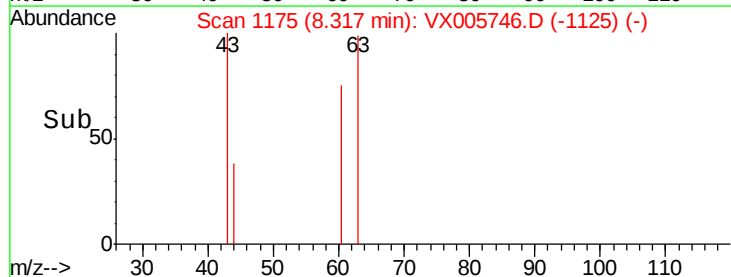
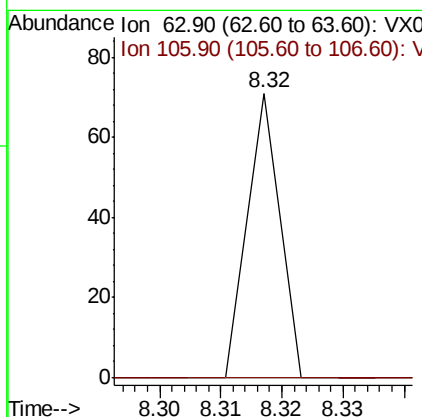
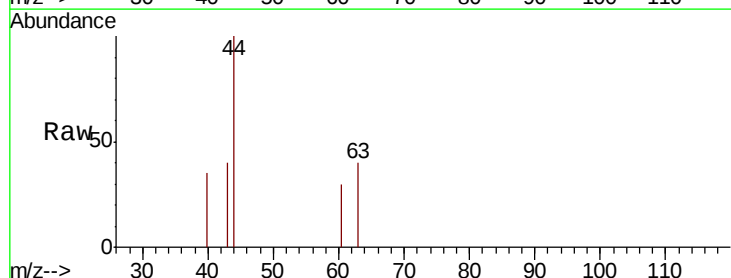
Instrument :
MSVOA_X
ClientSampleId :
VX1102WBL01

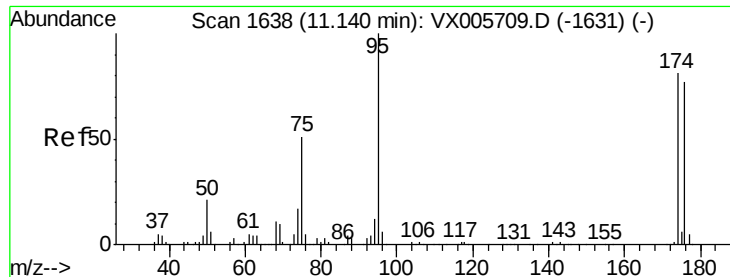
Tot Ion: 98 Resp: 230988
Ion Ratio Lower Upper
98 100
100 61.5 51.3 76.9



#58
2-Chloroethyl Vinyl ether
Concen: 10.356 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 21.3 31.9#

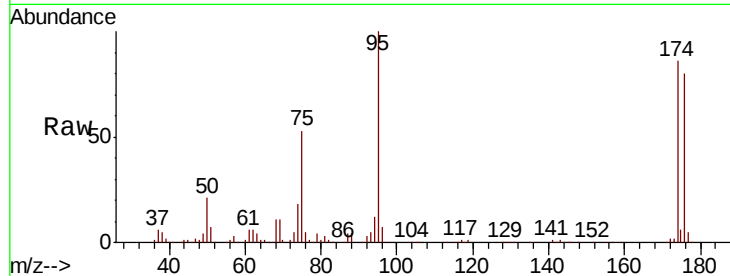




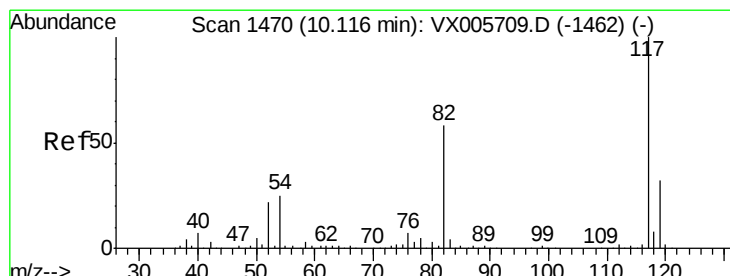
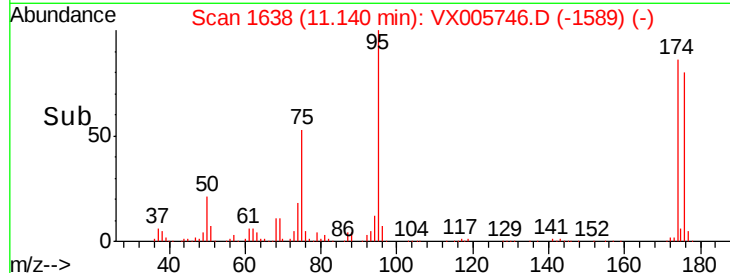
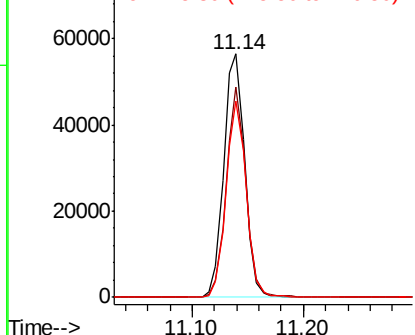
#62
4-Bromofluorobenzene
Concen: 43.556 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VX1102WBL01

Tot Ion: 95 Resp: 73263
Ion Ratio Lower Upper
95 100
174 80.6 0.0 184.4
176 77.3 0.0 177.4

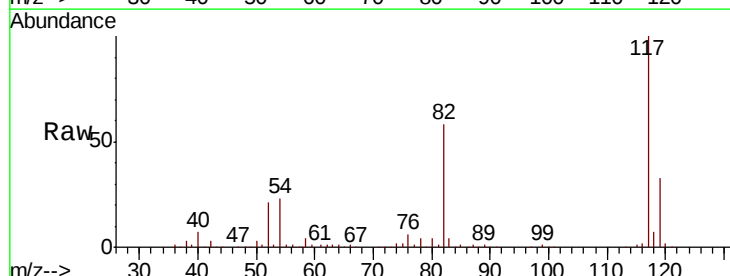


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

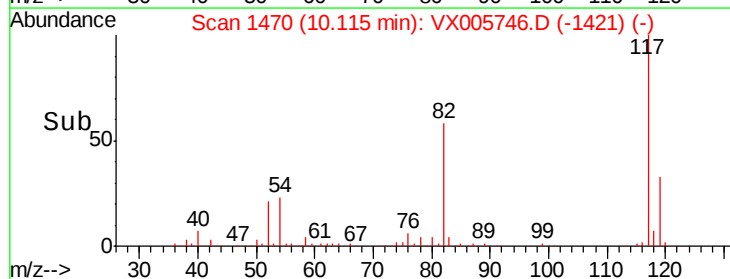
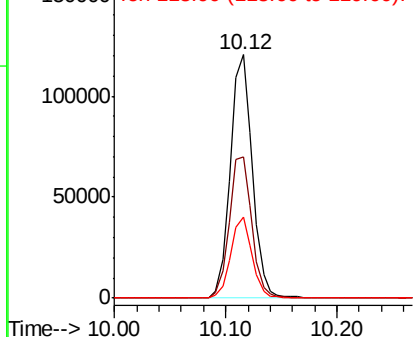


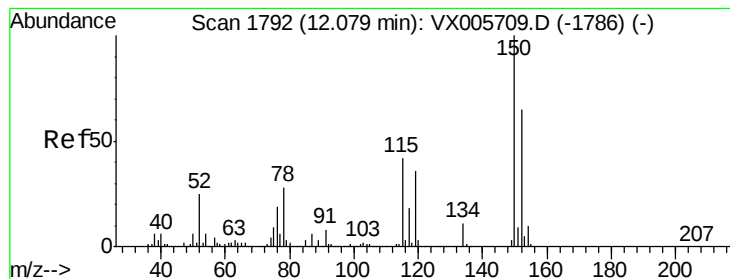
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005746.D
Acq: 02 Nov 2018 10:41

Tgt Ion: 117 Resp: 164762
Ion Ratio Lower Upper
117 100
82 58.0 44.1 66.1
119 33.0 26.2 39.2



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX1102WBL01

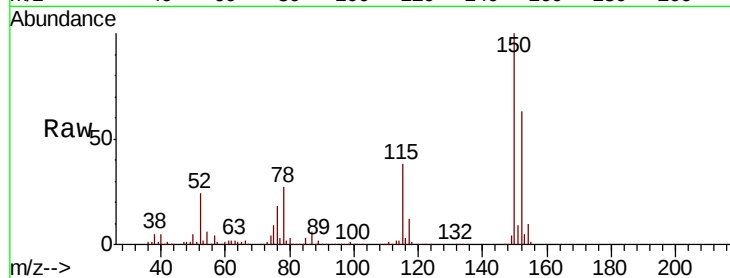
Tot Ion:152 Resp: 72869

Ion Ratio Lower Upper

152 100

115 60.1 39.4 118.1

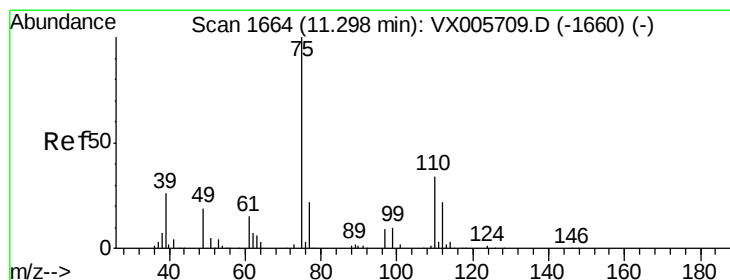
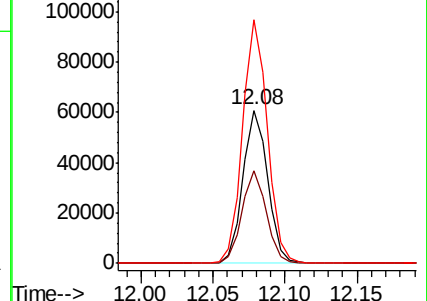
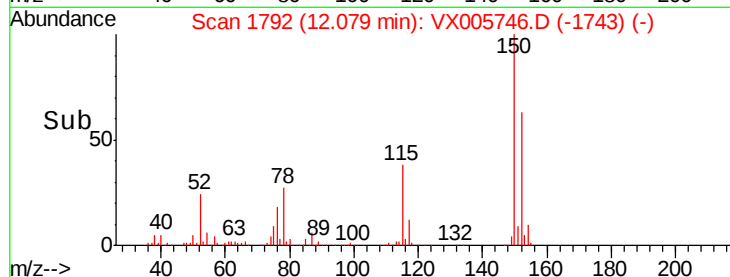
150 159.0 0.0 346.4



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: 21.427 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005746.D

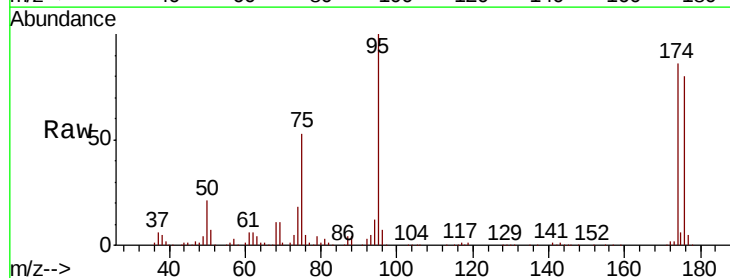
Acq: 02 Nov 2018 10:41

Tgt Ion: 75 Resp: 38887

Ion Ratio Lower Upper

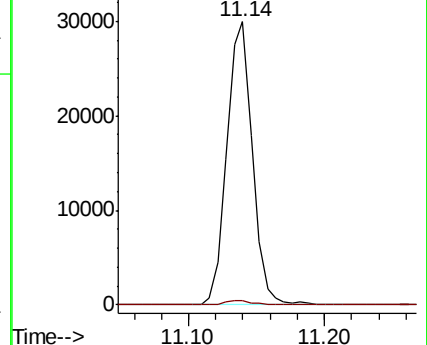
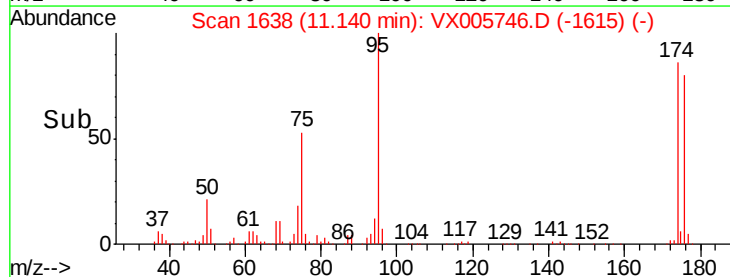
75 100

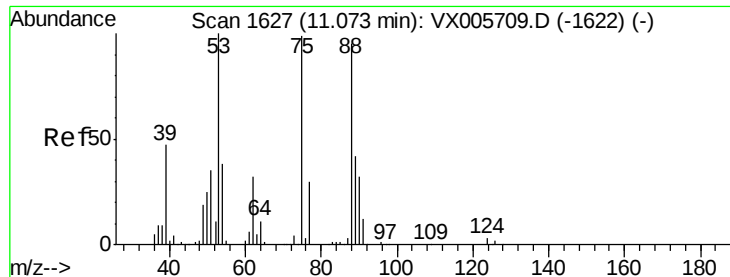
77 1.3 20.5 61.6#



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: 69.228 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005746.D

Acq: 02 Nov 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX1102WBL01

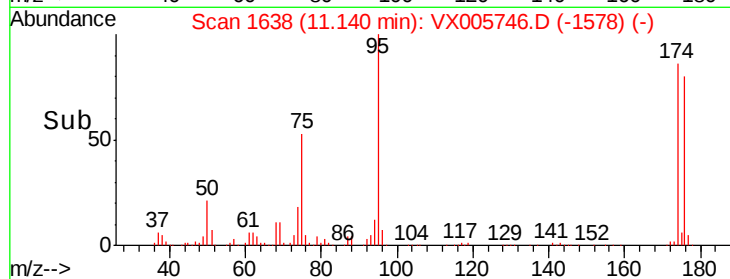
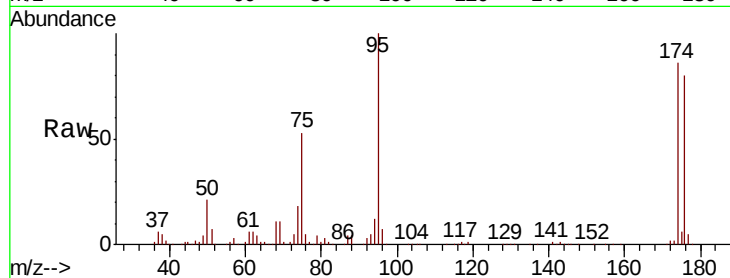
Tot Ion: 75 Resp: 38887

Ion Ratio Lower Upper

75 100

53 0.0 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

