

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006185.D
 Acq On : 26 Nov 2018 19:38
 Operator : JC/MD
 Sample : PB115023ZHE#04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

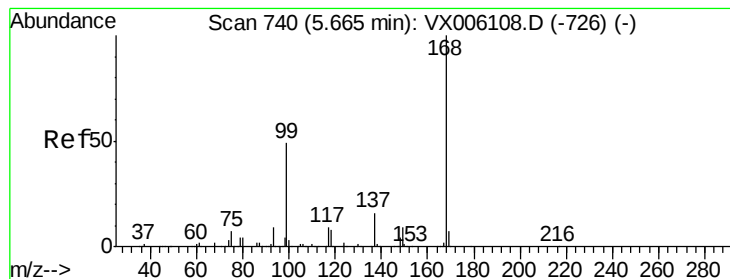
Quant Time: Nov 27 02:31:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	303908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	459532	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	451856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203622	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	194620	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	5.50	113	157626	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	
50) Toluene-d8	8.71	98	588201	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.14	95	193388	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	155	3.779	ug/l #	31
6) Chloroethane	1.70	64	1137	Below Cal	#	68
8) Diethyl Ether	2.19	74	427	0.266	ug/l	70
11) Tert butyl alcohol	3.07	59	409	0.546	ug/l #	71
16) Acetone	2.45	43	13675	8.751	ug/l	93
17) Carbon Disulfide	2.57	76	1511	0.255	ug/l #	93
18) Methyl Acetate	2.78	43	5481	1.368	ug/l #	84
20) Methylene Chloride	2.85	84	11884	4.709	ug/l	94
25) 2-Butanone	4.71	43	1902	0.656	ug/l	98
29) Tetrahydrofuran	5.17	42	932	0.515	ug/l #	59
36) 1,1-Dichloropropene	5.66	75	22051	5.275	ug/l #	51
38) Carbon Tetrachloride	5.67	117	27621	7.029	ug/l #	17
43) Isopropyl Acetate	6.46	43	19597	2.523	ug/l	96
48) Methyl methacrylate	7.68	41	9593	2.435	ug/l #	17
49) 1,4-Dioxane	7.73	88	81	0.867	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	94628	16.993	ug/l #	50
54) cis-1,3-Dichloropropene	8.62	75	41016	8.612	ug/l #	64
56) Ethyl methacrylate	9.18	69	108	2.885	ug/l #	23
57) 1,3-Dichloropropane	9.54	76	10753	1.977	ug/l #	45
58) 2-Chloroethyl Vinyl ether	8.29	63	97	6.754	ug/l #	48
59) 2-Hexanone	9.54	43	162593	36.792	ug/l #	53
74) N-amyl acetate	10.69	43	13576	4.259	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	96977	23.133	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	7300	0.703	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	96977	78.241	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	12.98	75	245	0.227	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :

MSVOA_X

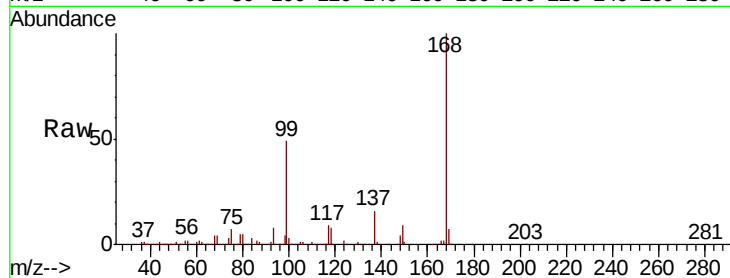
ClientSampleId :

Tot Ion:168 Resp: 303908

Ion Ratio Lower Upper

168 100

99 49.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

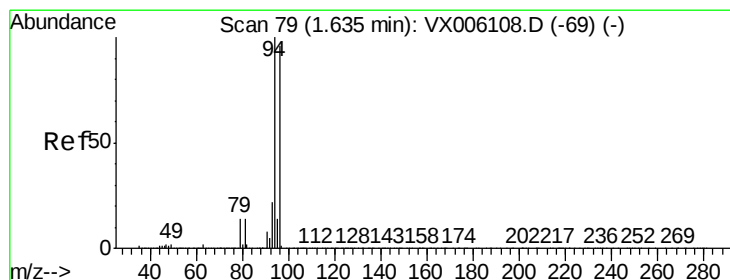
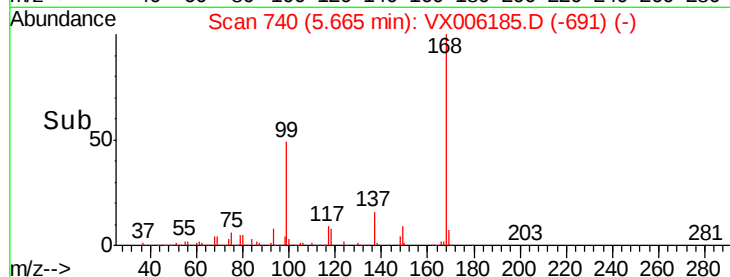
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 3.779 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX006185.D

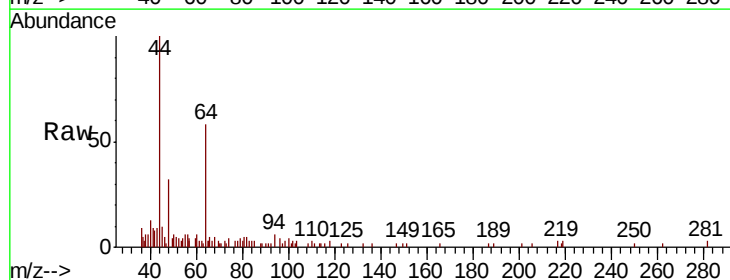
Acq: 26 Nov 2018 19:38

Tgt Ion: 94 Resp: 155

Ion Ratio Lower Upper

94 100

96 28.8 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

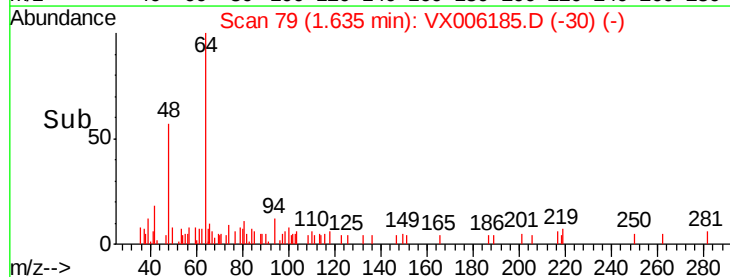
150

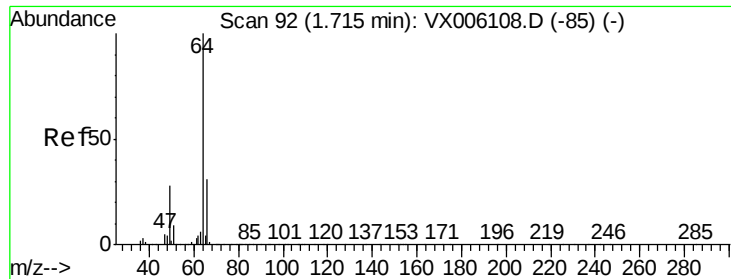
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :

MSVOA_X

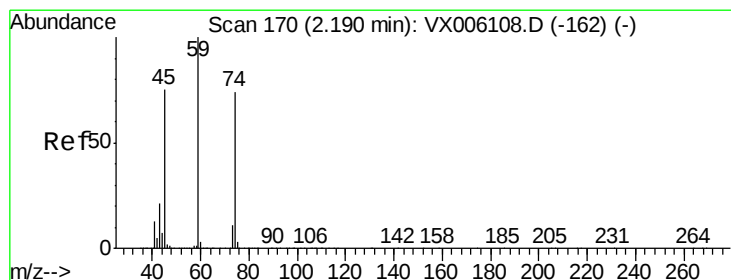
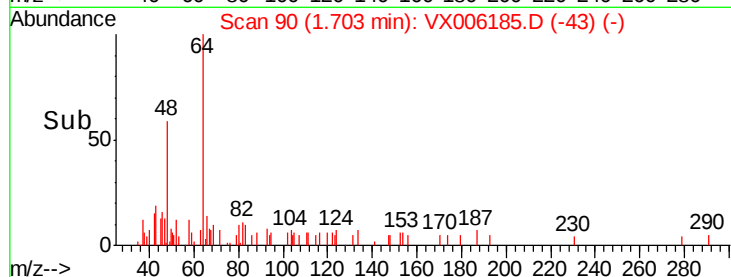
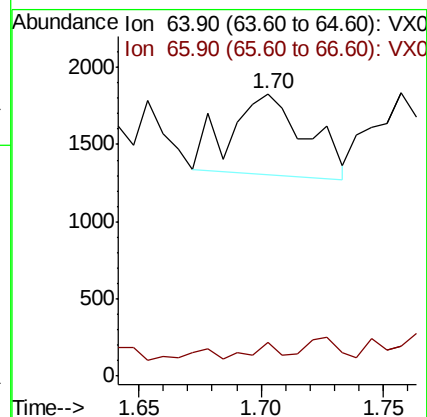
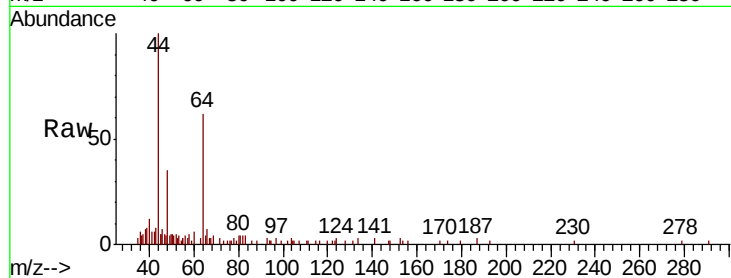
ClientSampleId :

Tot Ion: 64 Resp: 1137

Ion Ratio Lower Upper

64 100

66 13.7 25.1 37.7#



#8

Diethyl Ether

Concen: 0.266 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX006185.D

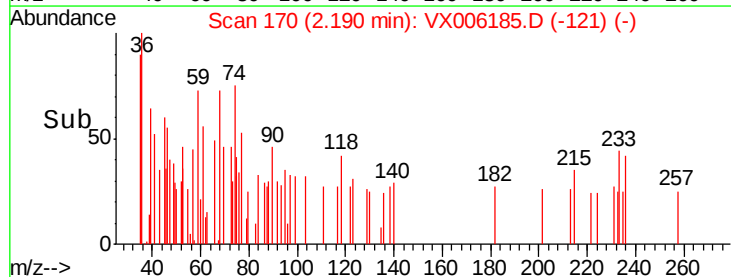
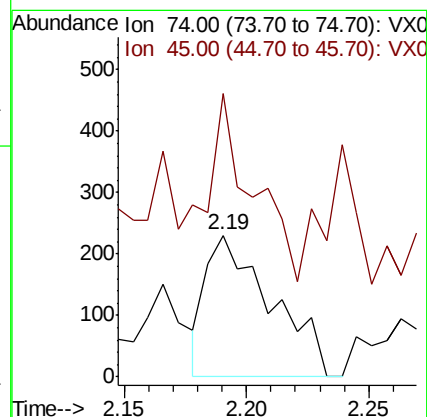
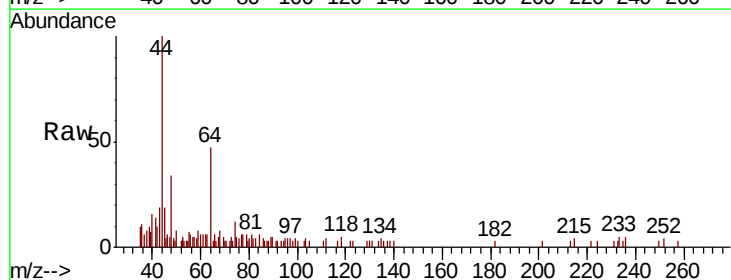
Acq: 26 Nov 2018 19:38

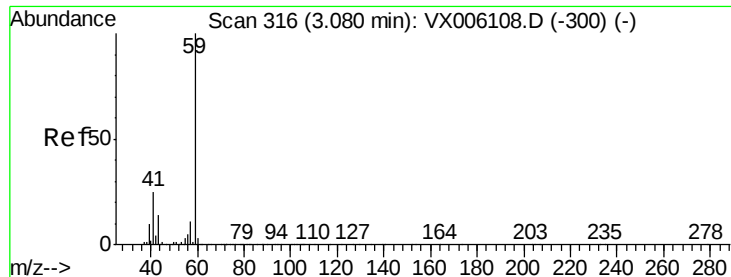
Tgt Ion: 74 Resp: 427

Ion Ratio Lower Upper

74 100

45 73.3 52.2 156.6



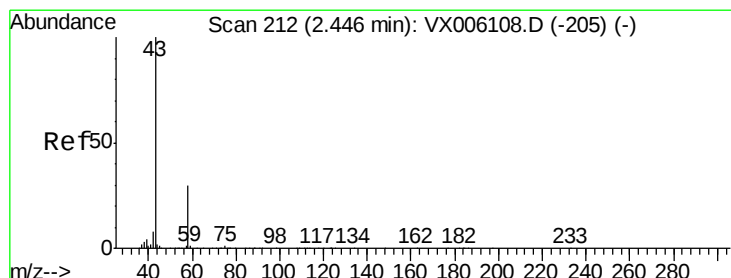
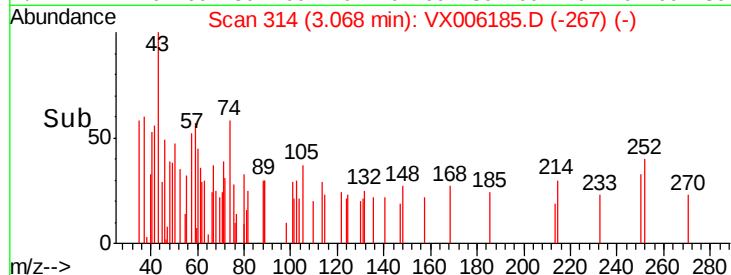
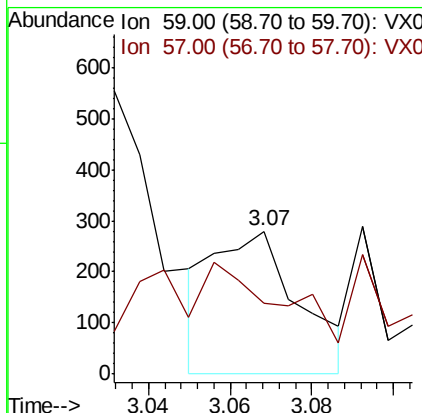
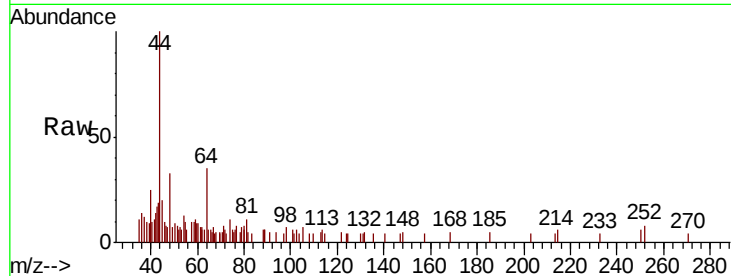


#11

Tert butyl alcohol
Concen: 0.546 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006185.D
Acq: 26 Nov 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :

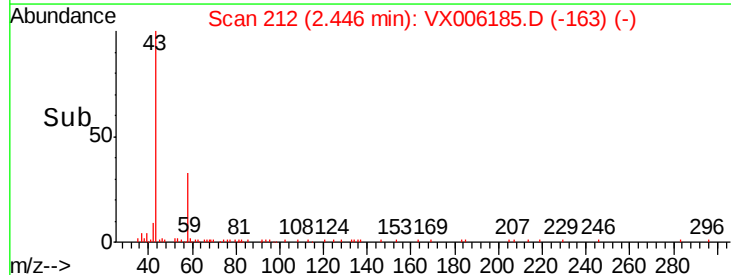
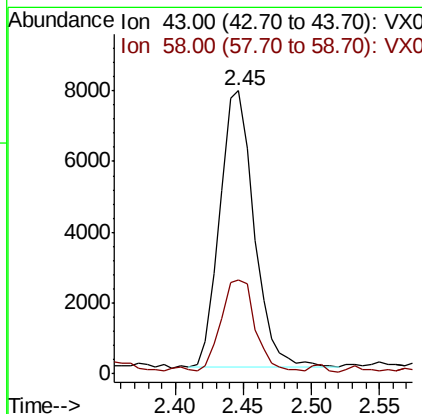
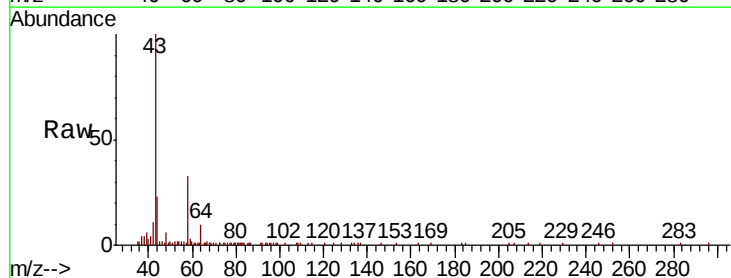
Tot Ion: 59 Resp: 409
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

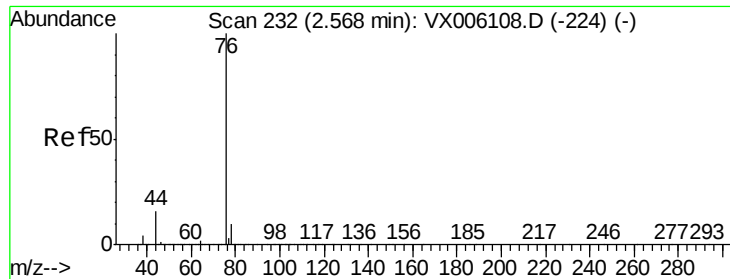


#16

Acetone
Concen: 8.751 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006185.D
Acq: 26 Nov 2018 19:38

Tgt Ion: 43 Resp: 13675
Ion Ratio Lower Upper
43 100
58 33.4 23.8 35.8





#17

Carbon Disulfide

Concen: 0.255 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :

MSVOA_X

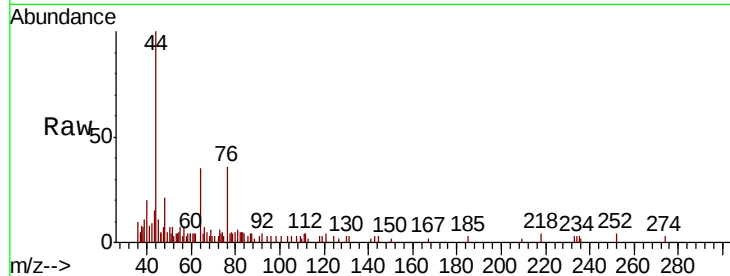
ClientSampleId :

Tot Ion: 76 Resp: 1511

Ion Ratio Lower Upper

76 100

78 7.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

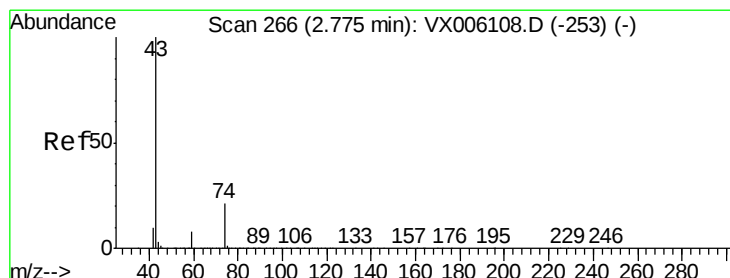
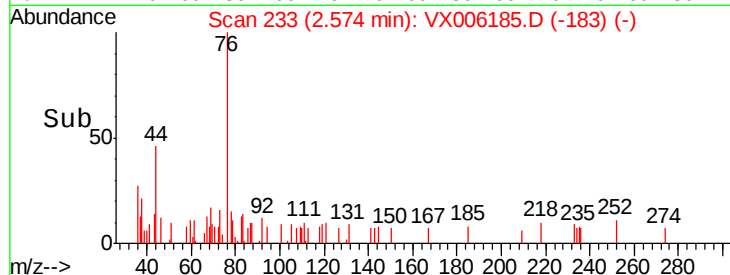
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 1.368 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006185.D

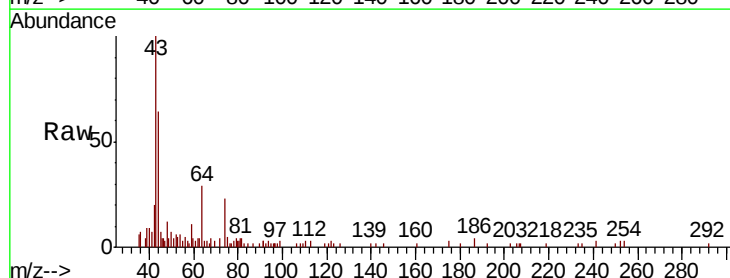
Acq: 26 Nov 2018 19:38

Tgt Ion: 43 Resp: 5481

Ion Ratio Lower Upper

43 100

74 29.2 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

3000

2500

2000

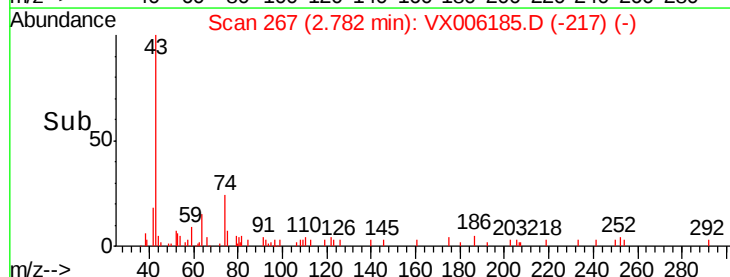
1500

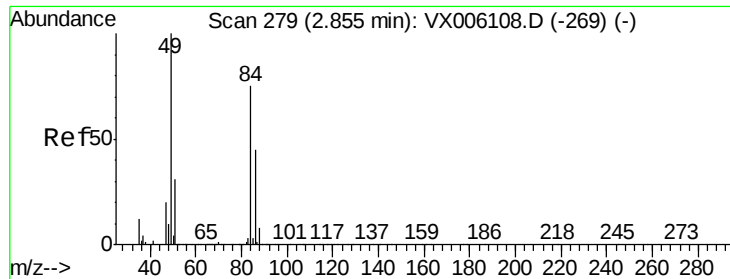
1000

500

0

Time-->

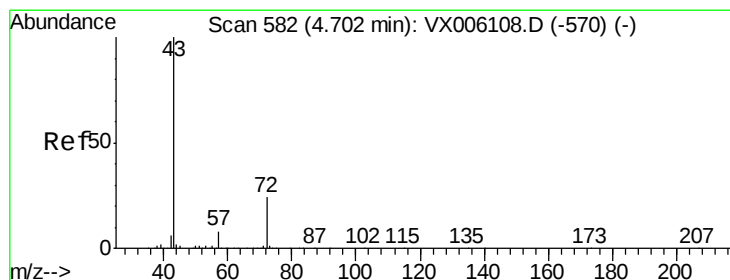
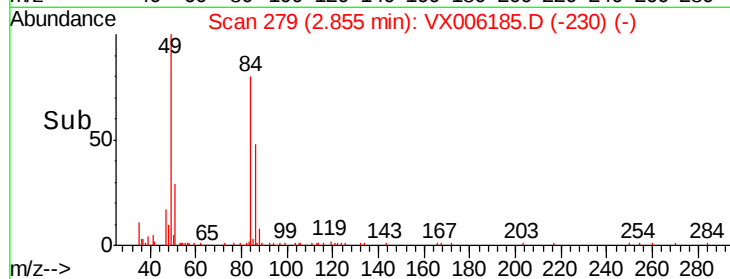
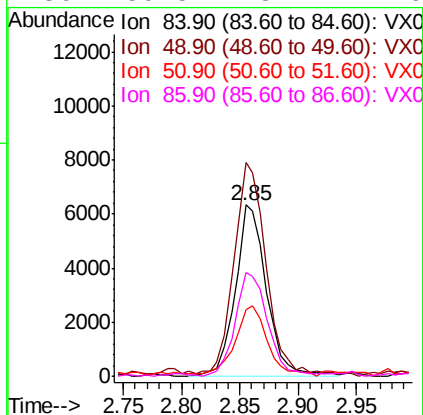
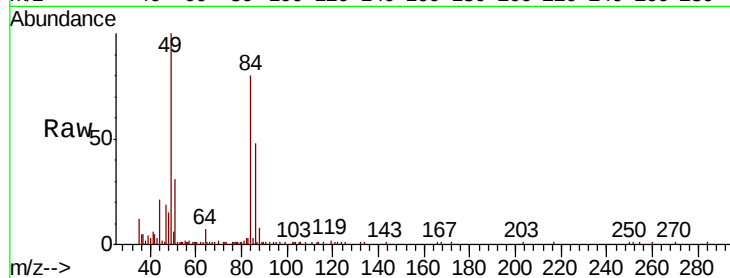




#20
Methvlene Chloride
Concen: 4.709 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX006185.D
Acq: 26 Nov 2018 19:38

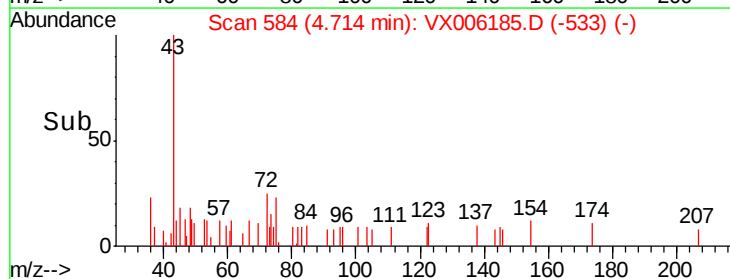
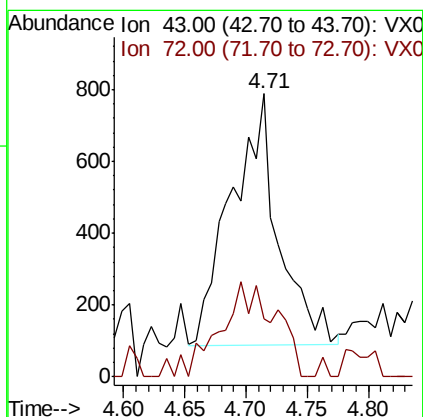
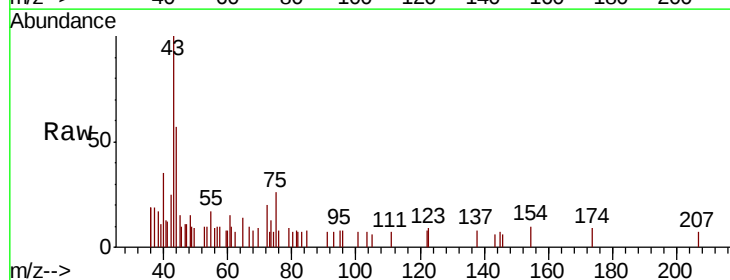
Instrument :
MSVOA_X
ClientSampleId :

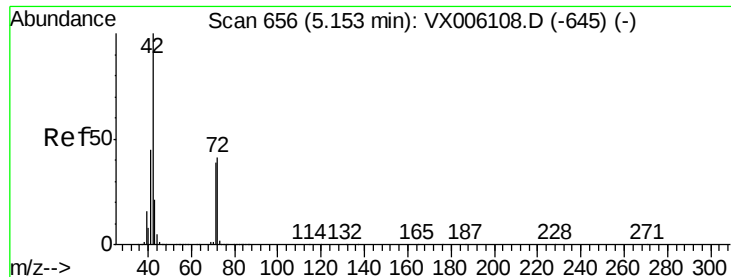
Tot Ion:	84	Resp:	11884
Ion	Ratio	Lower	Upper
84	100		
49	123.1	106.6	159.8
51	36.8	32.6	49.0
86	59.5	48.4	72.6



#25
2-Butanone
Concen: 0.656 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX006185.D
Acq: 26 Nov 2018 19:38

Tgt Ion:	43	Resp:	1902
Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.2	28.8





#29

Tetrahydrofuran

Concen: 0.515 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampled :

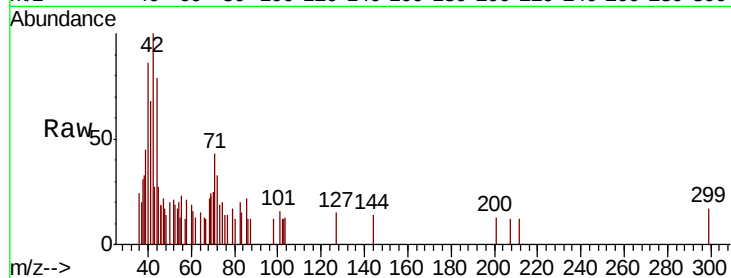
Tot Ion: 42 Resp: 932

Ion Ratio Lower Upper

42 100

72 0.0 33.0 49.6#

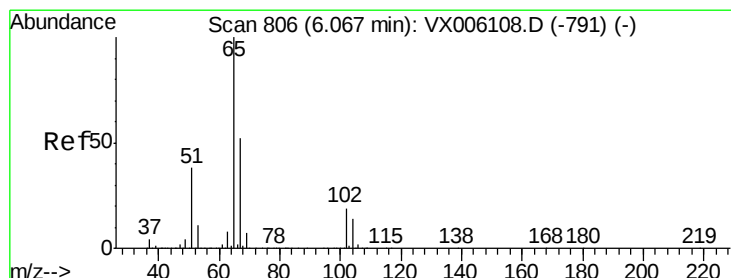
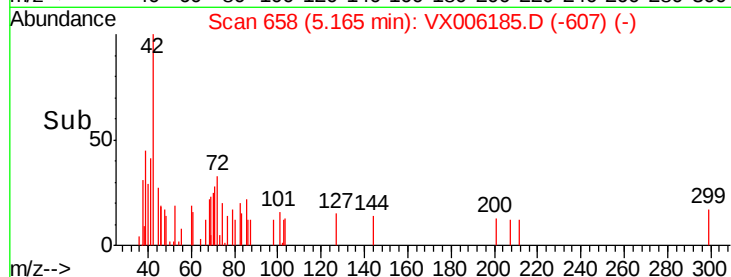
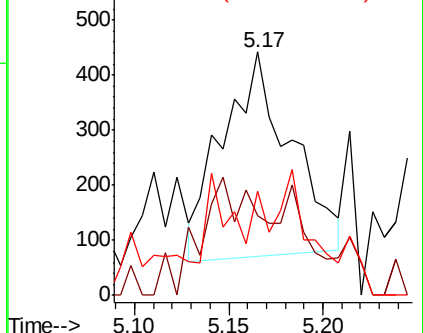
71 46.9 31.0 46.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 55.266 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006185.D

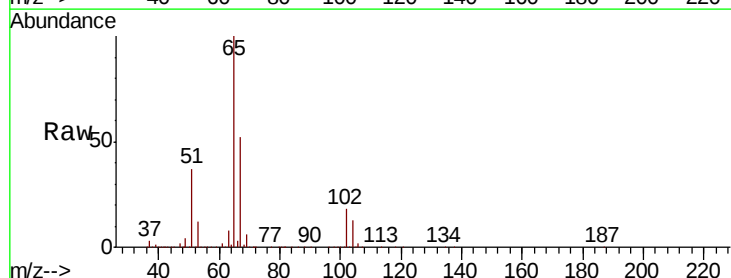
Acq: 26 Nov 2018 19:38

Tgt Ion: 65 Resp: 194620

Ion Ratio Lower Upper

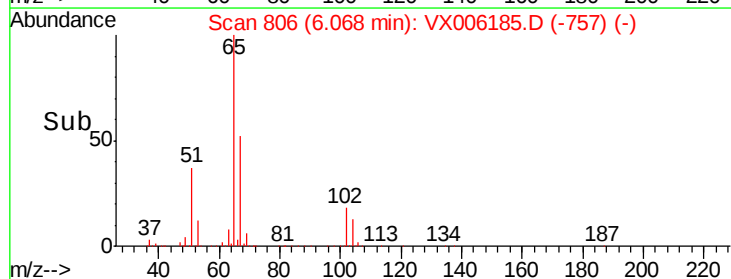
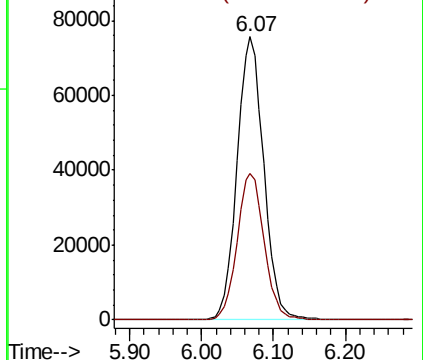
65 100

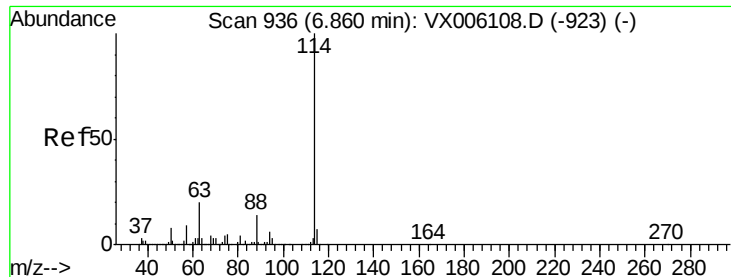
67 52.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampled :

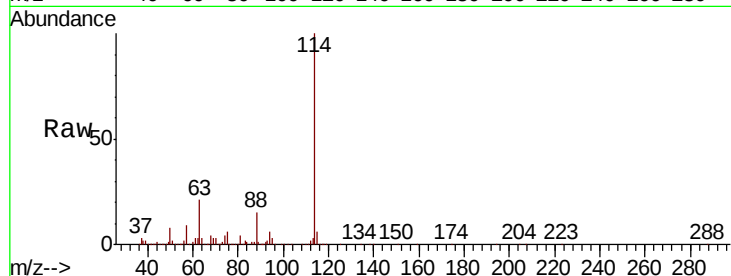
Tot Ion:114 Resp: 459532

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.2

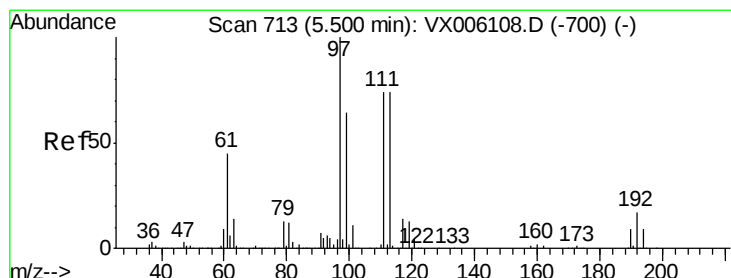
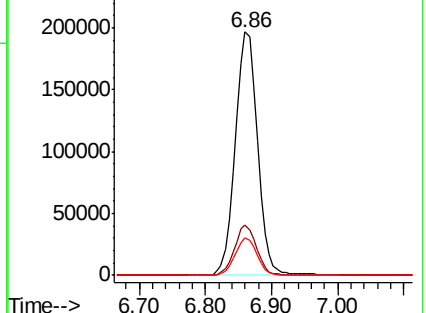
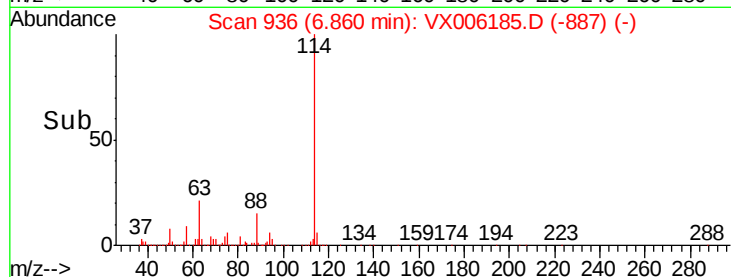
88 15.2 0.0 28.6



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: 53.436 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

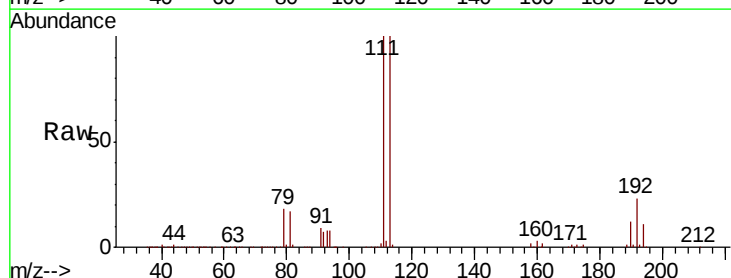
Tgt Ion:113 Resp: 157626

Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

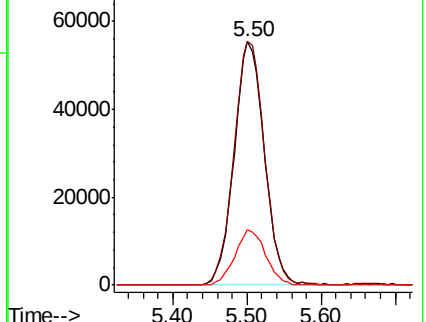
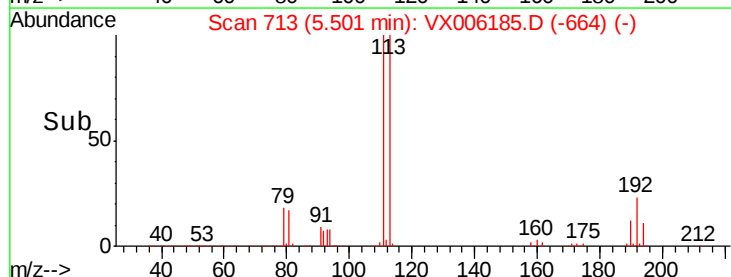
192 23.0 18.6 28.0

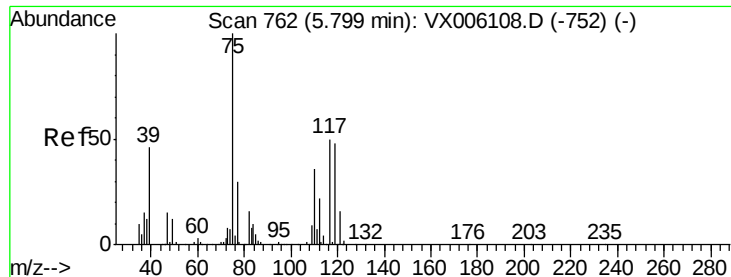


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.275 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampled :

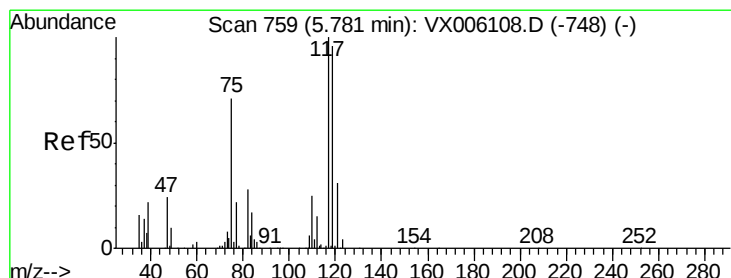
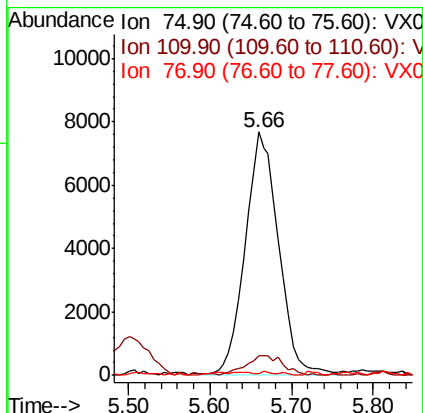
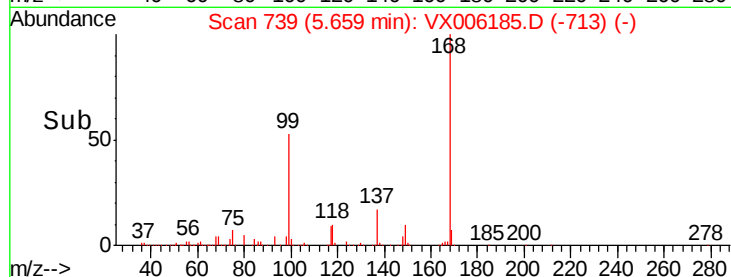
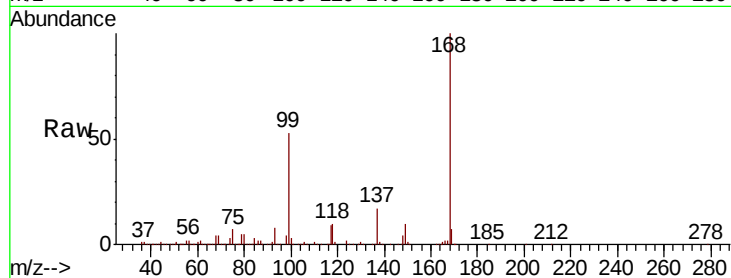
Tot Ion: 75 Resp: 22051

Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.3#

77 0.8 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 7.029 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

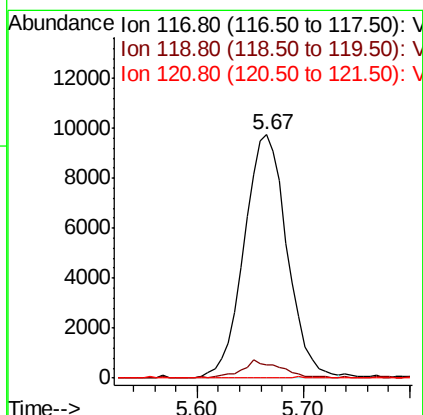
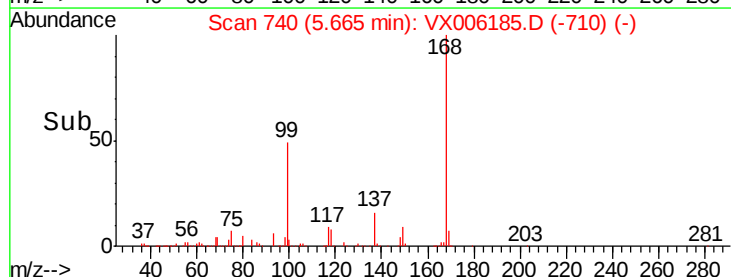
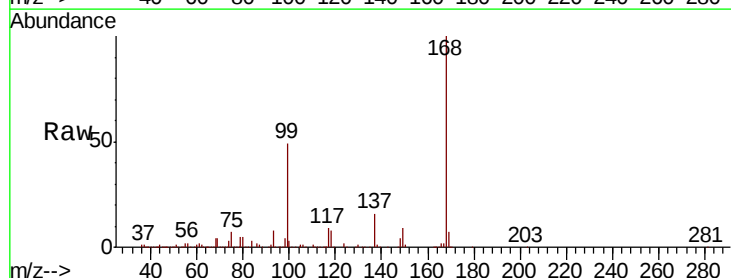
Tgt Ion: 117 Resp: 27621

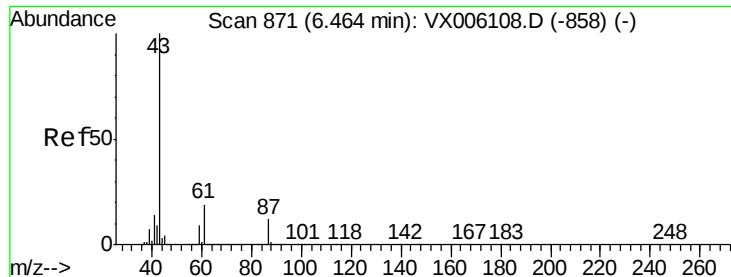
Ion Ratio Lower Upper

117 100

119 5.6 76.3 114.5#

121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 2.523 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampled :

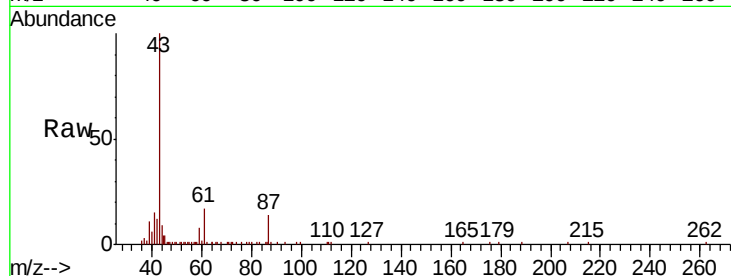
Tot Ion: 43 Resp: 19597

Ion Ratio Lower Upper

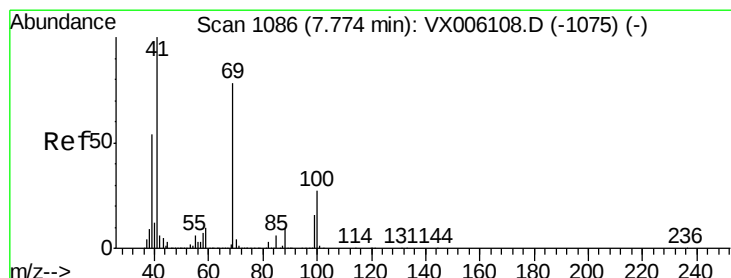
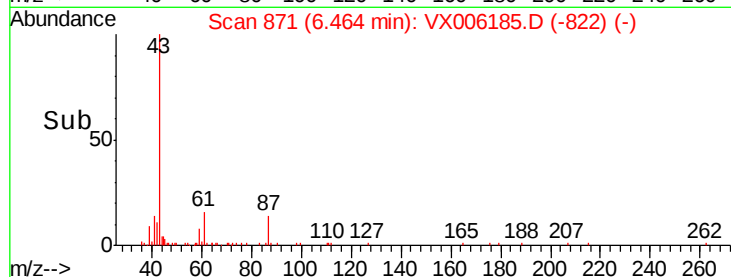
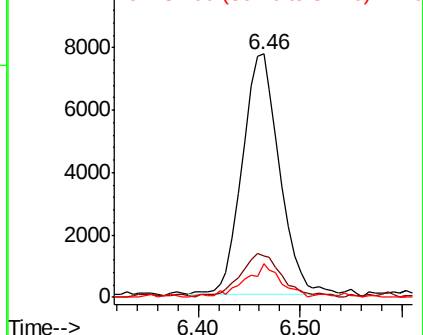
43 100

61 20.9 15.2 22.8

87 13.5 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 2.435 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

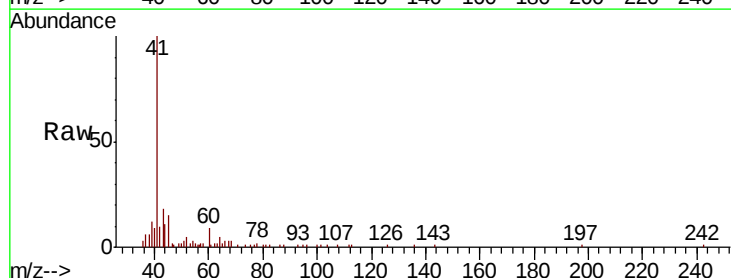
Tgt Ion: 41 Resp: 9593

Ion Ratio Lower Upper

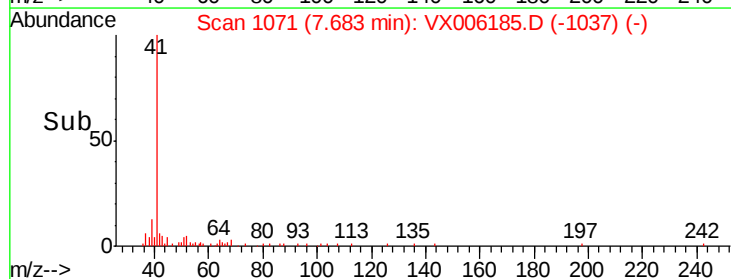
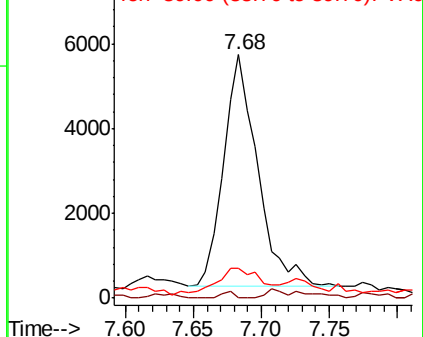
41 100

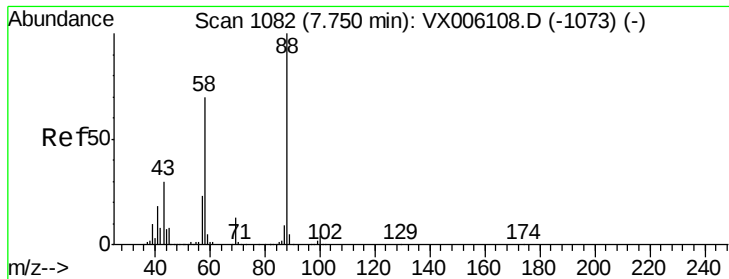
69 1.0 62.8 94.2#

39 0.0 43.8 65.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.867 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.02 min

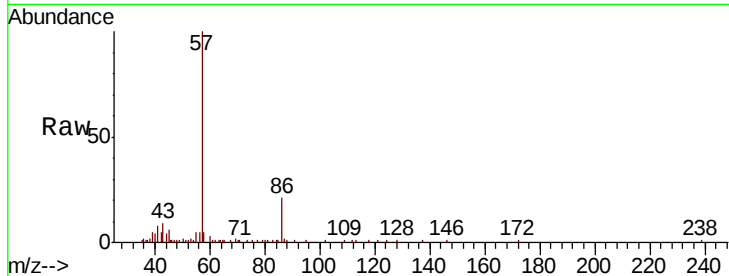
Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 81

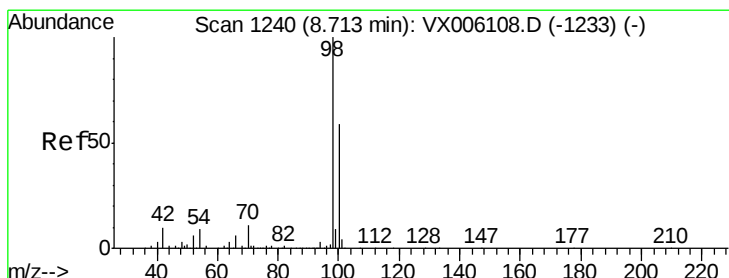
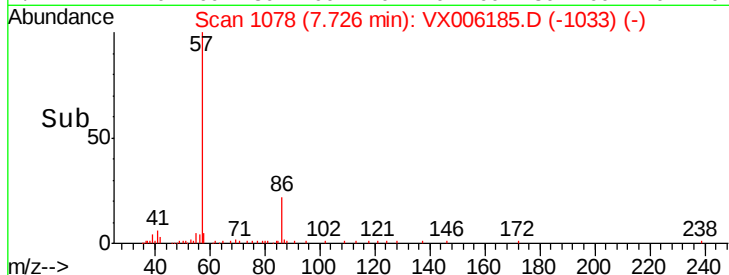
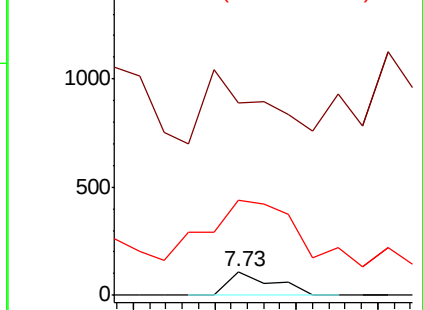
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.7	40.1#
58	1391.4	58.5	87.7#



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: 52.279 ug/l

RT: 8.71 min Scan# 1240

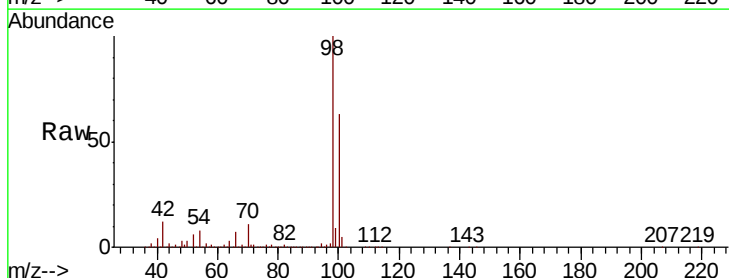
Delta R.T. 0.00 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

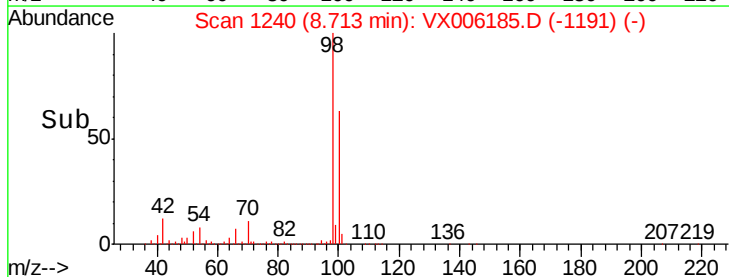
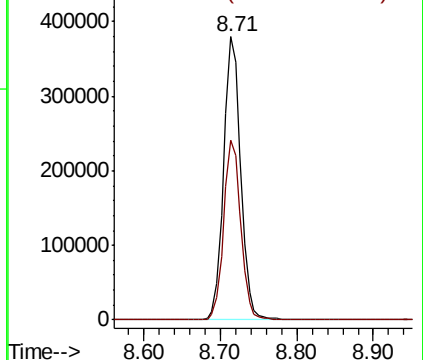
Tgt Ion: 98 Resp: 588201

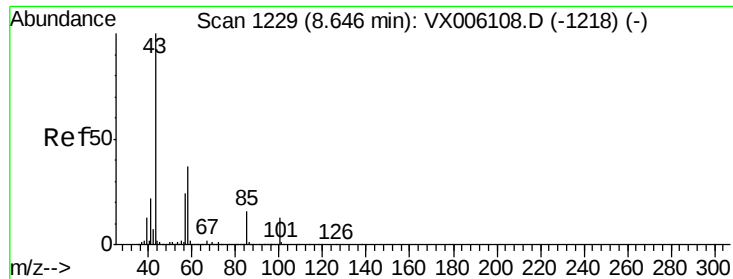
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.0	76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

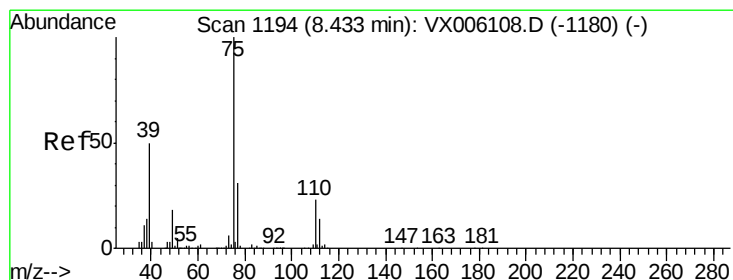
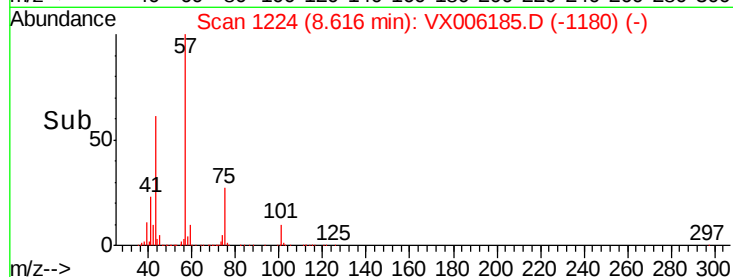
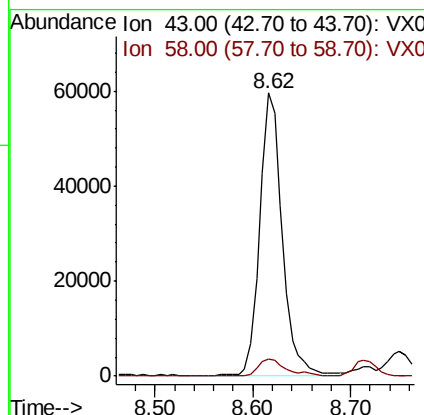
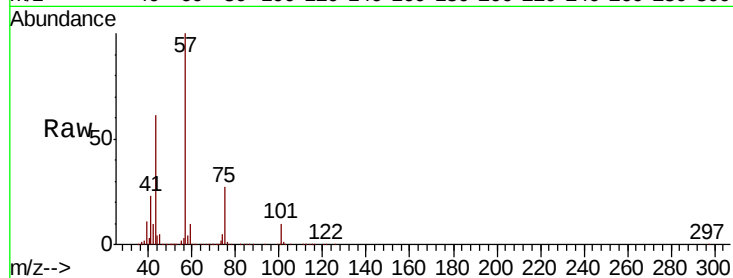




#51
 4-Methyl-2-Pentanone
 Concen: 16.993 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. -0.03 min
 Lab File: VX006185.D
 Acq: 26 Nov 2018 19:38

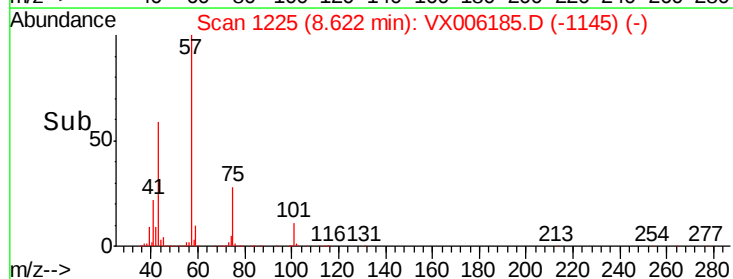
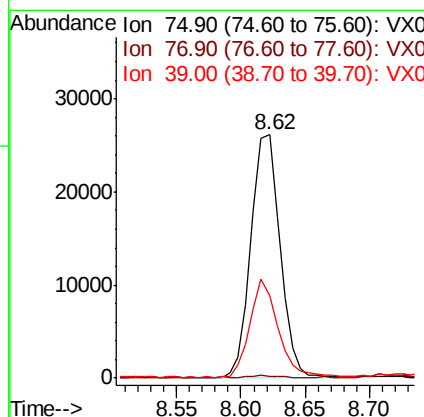
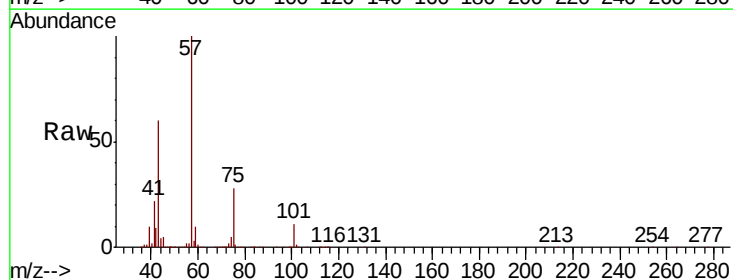
Instrument :
 MSVOA_X
 ClientSampleId :

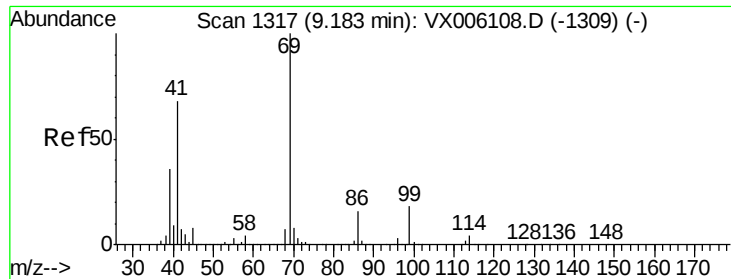
Tot Ion: 43 Resp: 94628
 Ion Ratio Lower Upper
 43 100
 58 7.4 29.9 44.9#



#54
 cis-1,3-Dichloropropene
 Concen: 8.612 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.19 min
 Lab File: VX006185.D
 Acq: 26 Nov 2018 19:38

Tgt Ion: 75 Resp: 41016
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.7 37.1#
 39 33.5 40.3 60.5#





#56

Ethyl methacrylate

Concen: 2.885 ug/l

RT: 9.18 min Scan# 1317

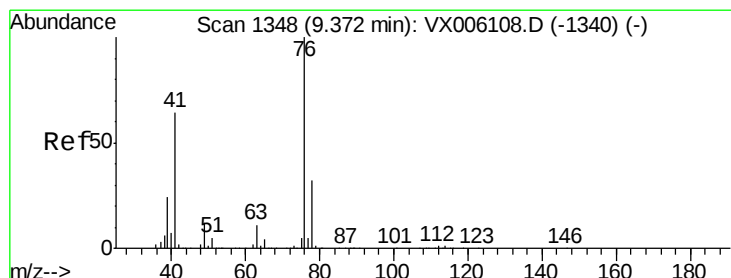
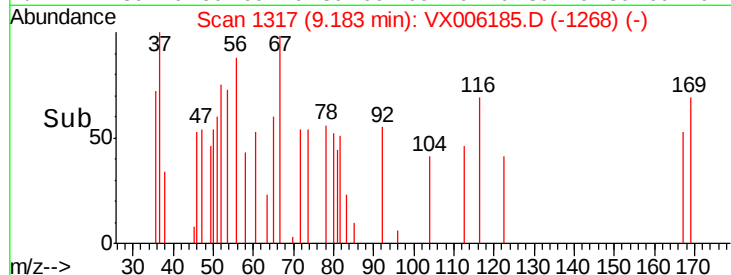
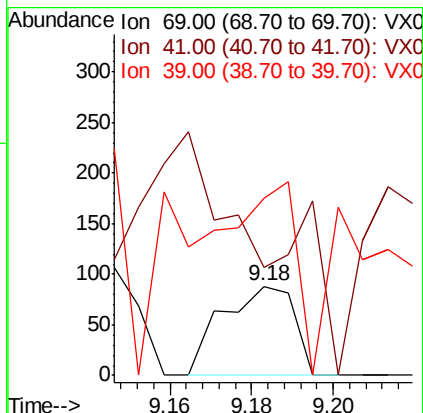
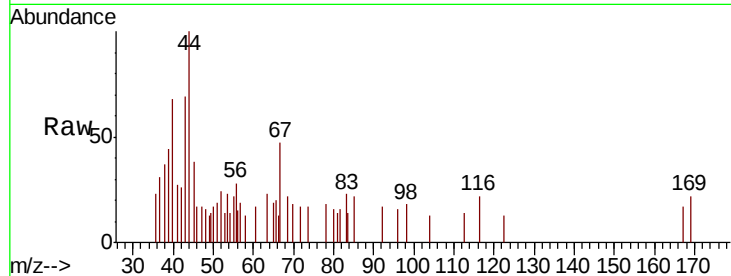
Delta R.T. 0.00 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69	Resp:	108
Ion	Ratio	Lower	Upper
69	100		
41	0.0	56.2	84.4#
39	0.0	29.4	44.0#



#57

1,3-Dichloropropane

Concen: 1.977 ug/l

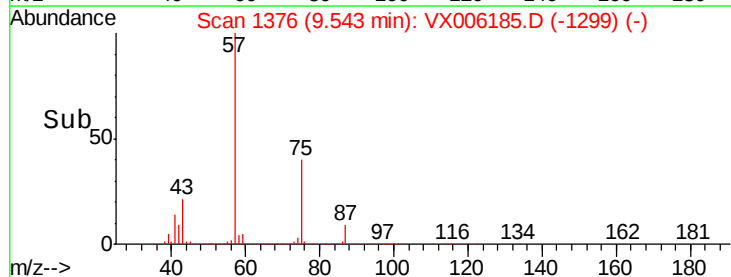
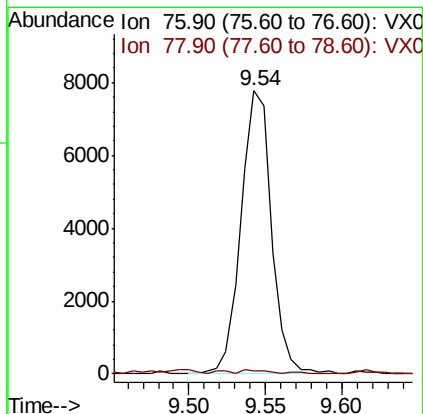
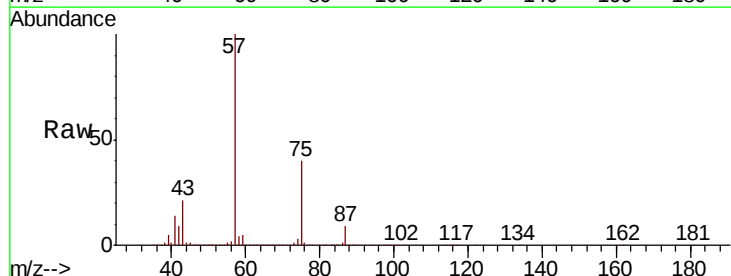
RT: 9.54 min Scan# 1376

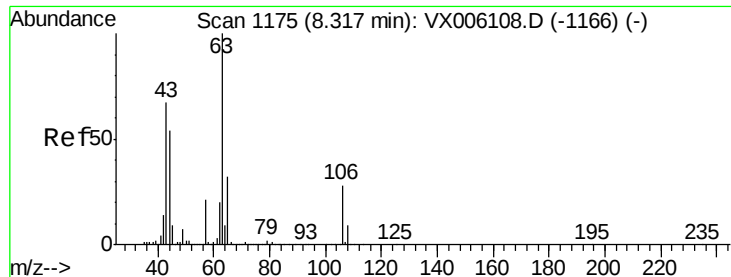
Delta R.T. 0.17 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Tgt Ion:	76	Resp:	10753
Ion	Ratio	Lower	Upper
76	100		
78	1.2	25.7	38.5#

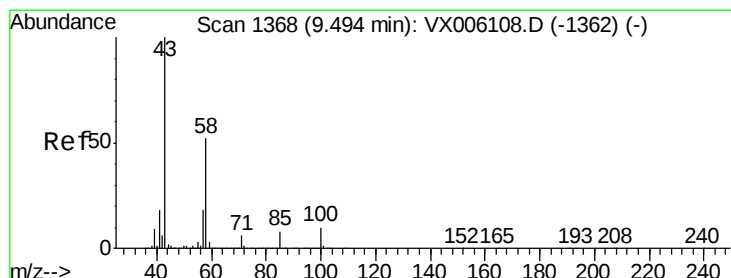
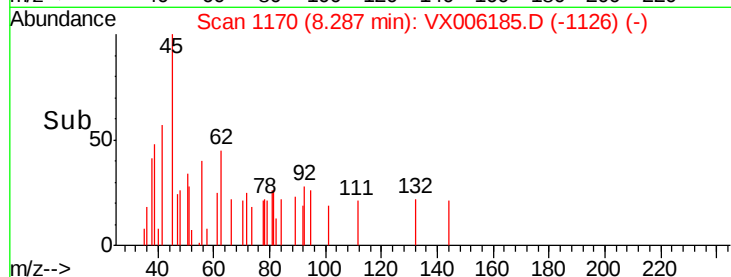
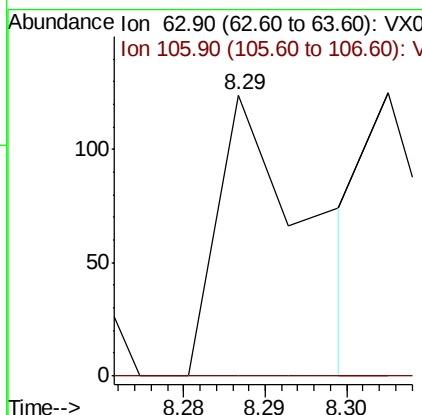
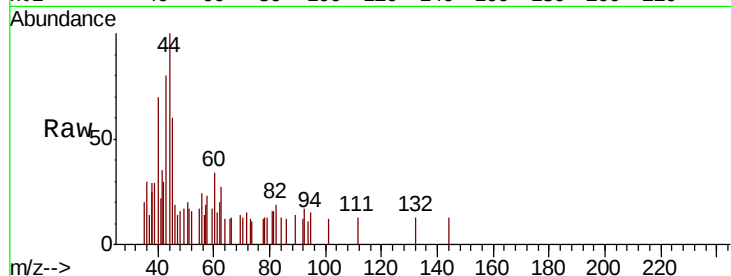




#58
2-Chloroethyl Vinyl ether
Concen: 6.754 ug/l
RT: 8.29 min Scan# 1170
Delta R.T. -0.03 min
Lab File: VX006185.D
Acq: 26 Nov 2018 19:38

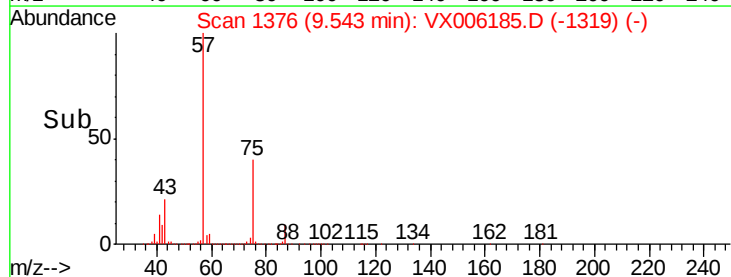
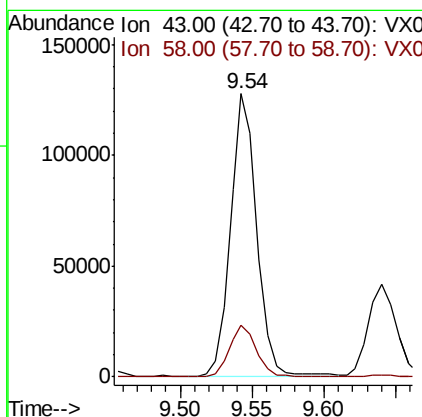
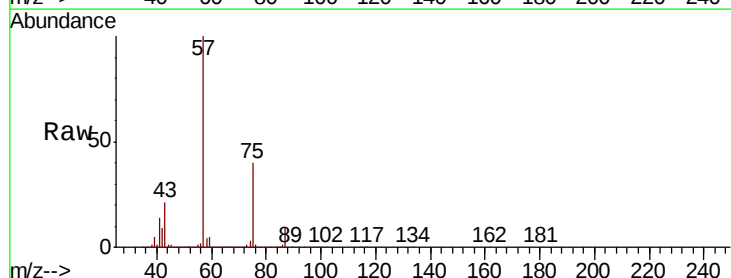
Instrument :
MSVOA_X
ClientSampleId :

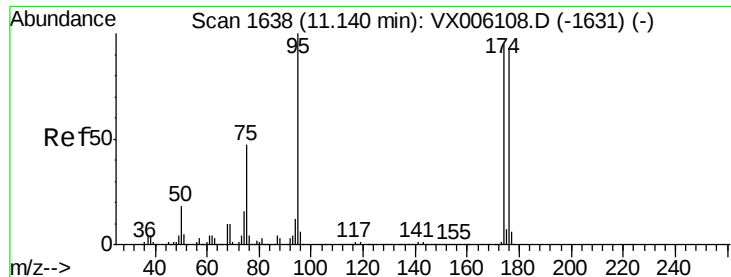
Tot Ion: 63 Resp: 97
Ion Ratio Lower Upper
63 100
106 0.0 21.7 32.5#



#59
2-Hexanone
Concen: 36.792 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006185.D
Acq: 26 Nov 2018 19:38

Tgt Ion: 43 Resp: 162593
Ion Ratio Lower Upper
43 100
58 19.1 26.3 78.9#

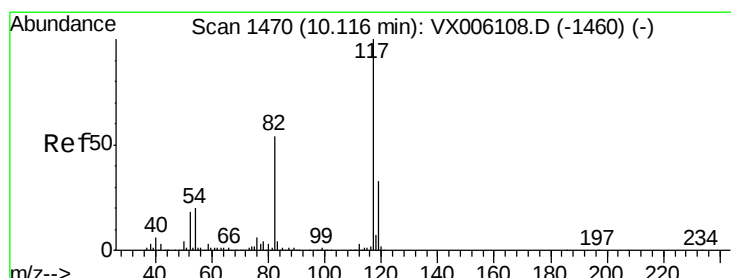
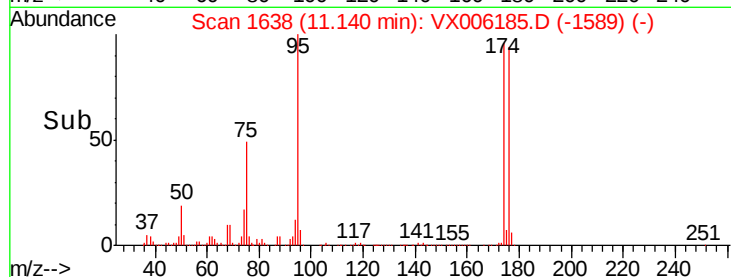
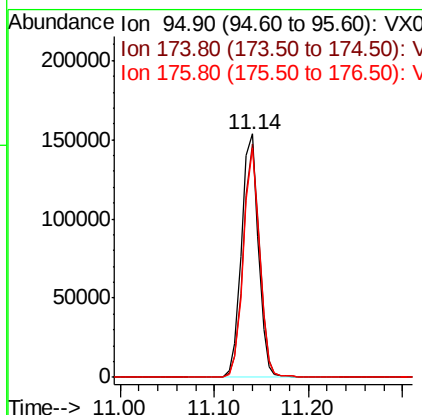
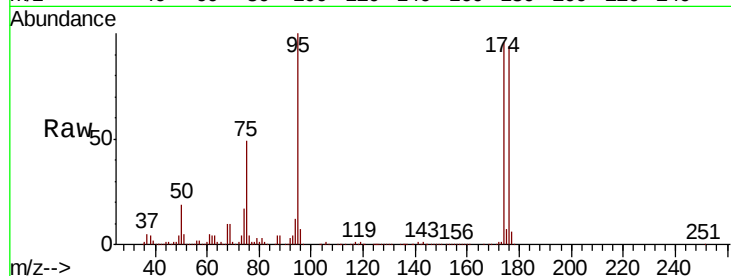




#62
4-Bromofluorobenzene
Concen: 45.811 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX006185.D
Acq: 26 Nov 2018 19:38

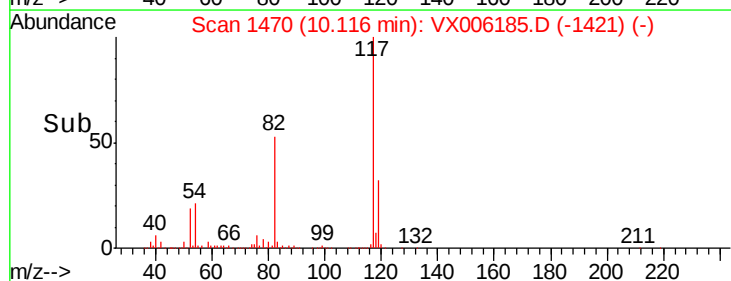
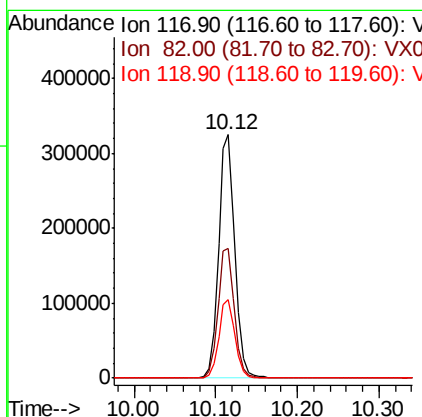
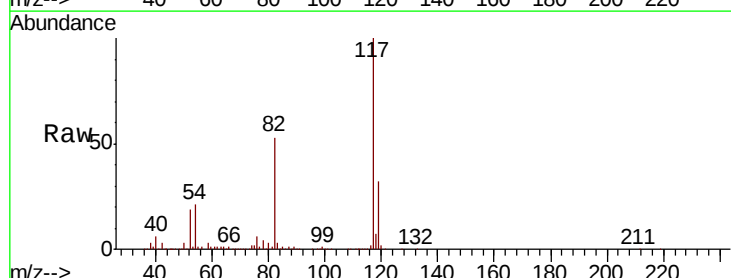
Instrument :
MSVOA_X
ClientSampleId :

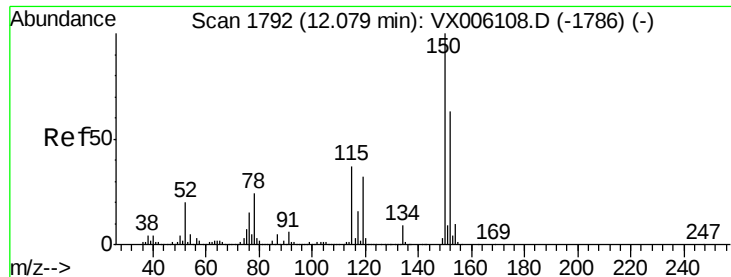
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	184.4
176	90.3	0.0	179.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006185.D
Acq: 26 Nov 2018 19:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.0	64.4
119	32.3	26.1	39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

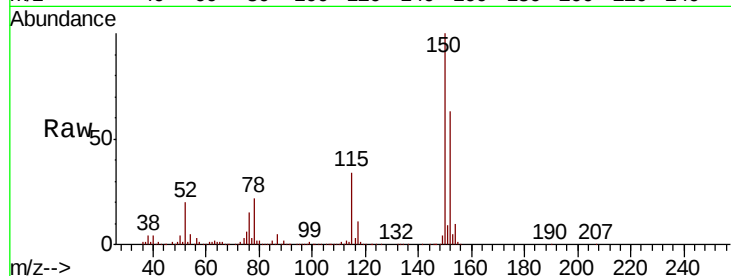
Tot Ion:152 Resp: 203622

Ion Ratio Lower Upper

152 100

115 54.7 39.0 116.9

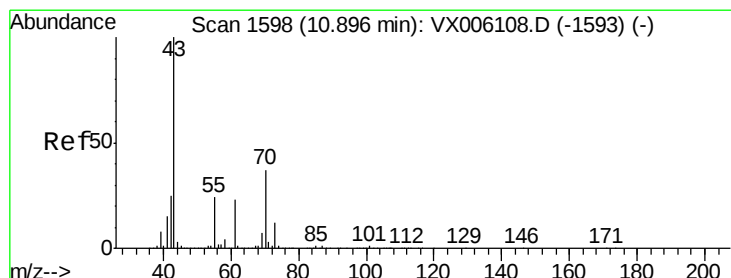
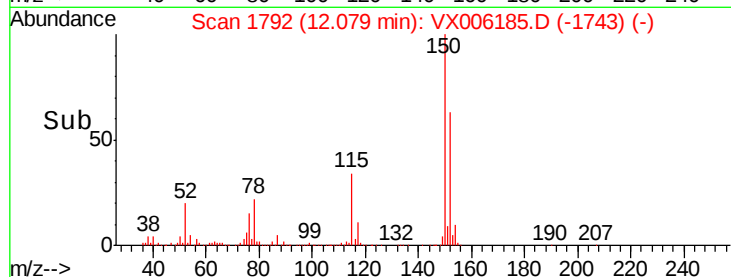
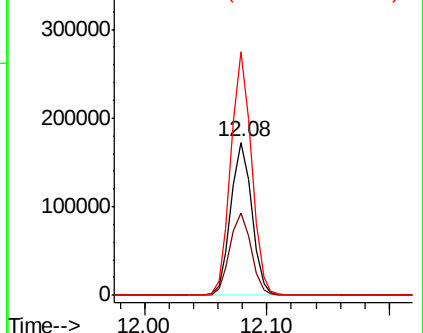
150 156.9 0.0 346.6



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



#74

N-amil acetate

Concen: 4.259 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Tgt Ion: 43 Resp: 13576

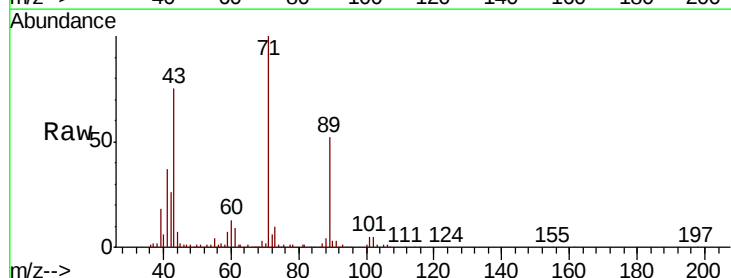
Ion Ratio Lower Upper

43 100

70 4.4 31.8 47.6#

55 5.9 19.5 29.3#

61 12.7 18.6 27.8#

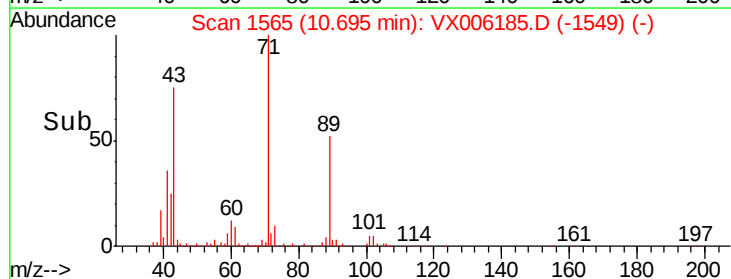
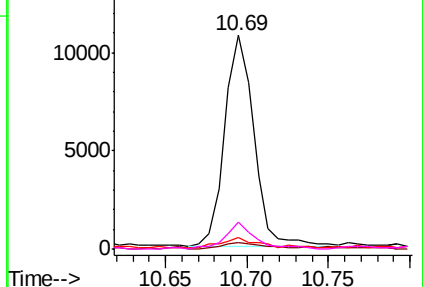


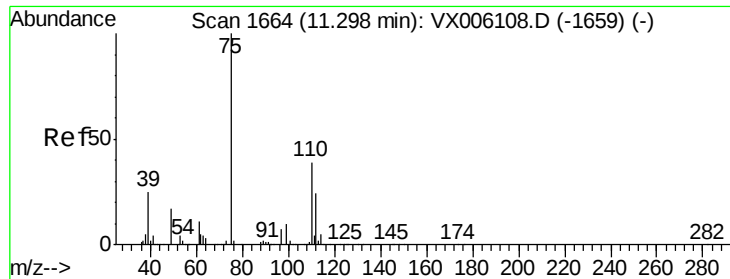
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 23.133 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :

MSVOA_X

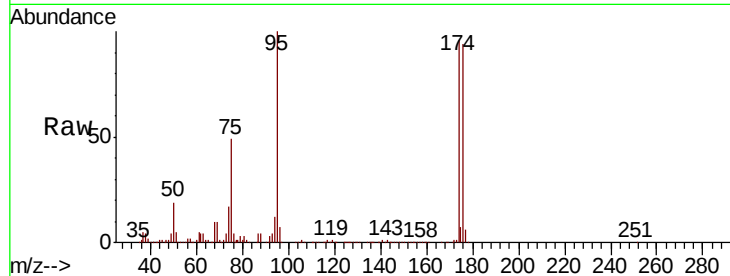
ClientSampleId :

Tot Ion: 75 Resp: 96977

Ion Ratio Lower Upper

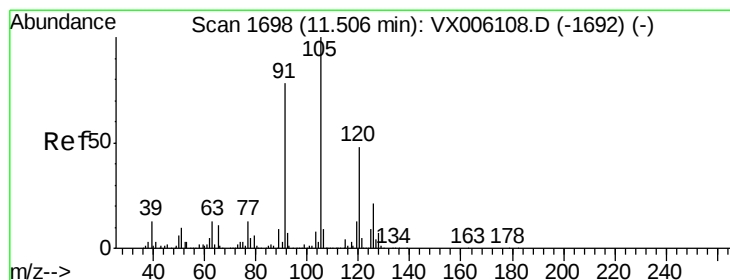
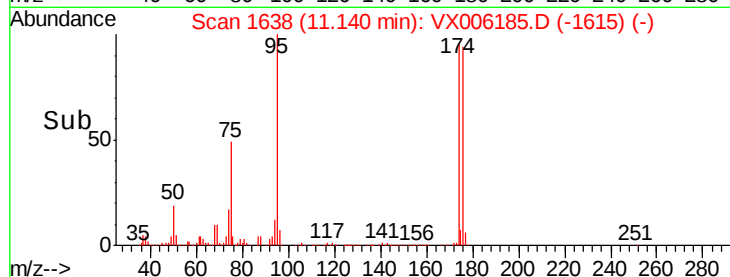
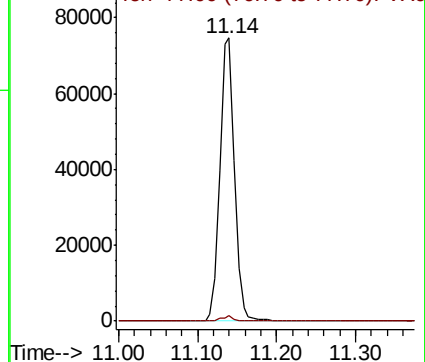
75 100

77 1.7 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.703 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006185.D

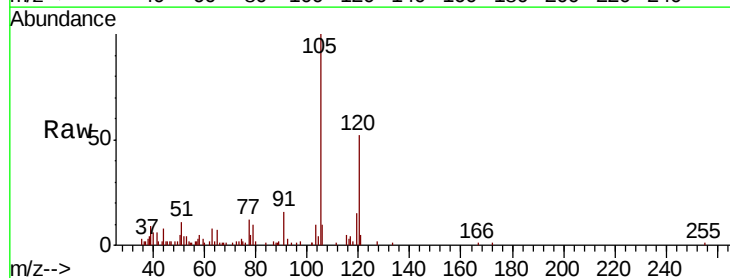
Acq: 26 Nov 2018 19:38

Tgt Ion: 105 Resp: 7300

Ion Ratio Lower Upper

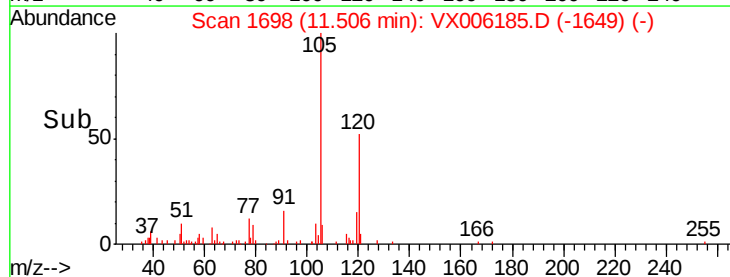
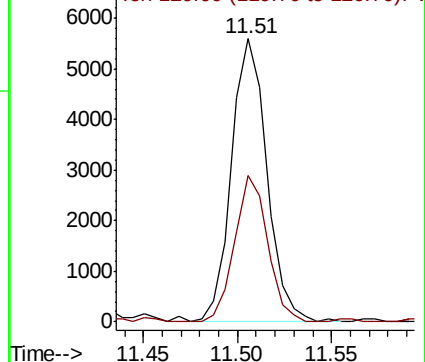
105 100

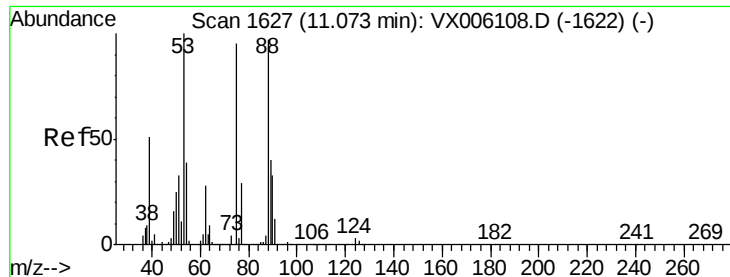
120 48.2 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 78.241 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

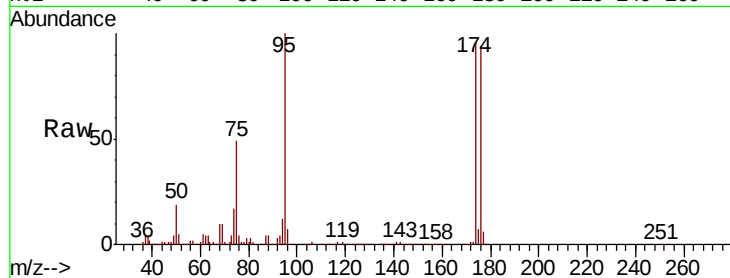
Tot Ion: 75 Resp: 96977

Ion Ratio Lower Upper

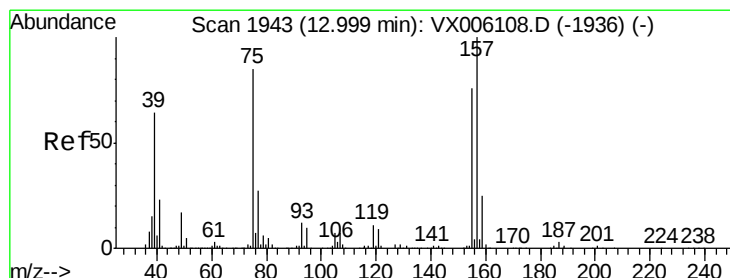
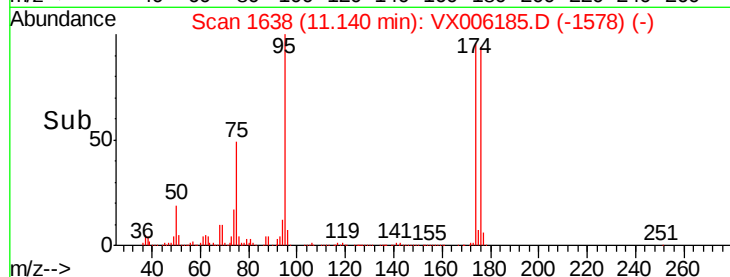
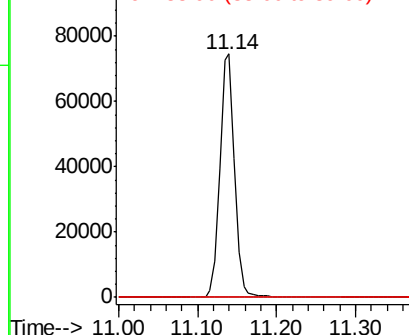
75 100

53 0.5 85.3 127.9#

89 0.0 37.2 55.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.227 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX006185.D

Acq: 26 Nov 2018 19:38

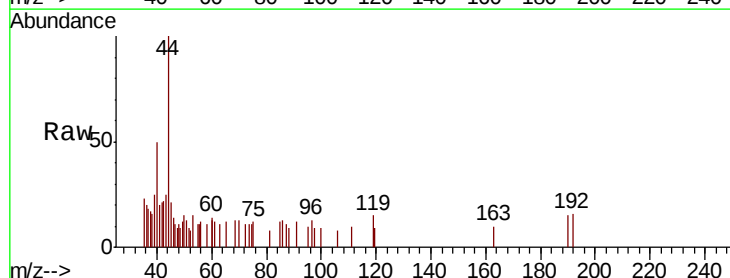
Tgt Ion: 75 Resp: 245

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 0.0 59.8 179.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

