

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
 Data File : VX011757.D
 Acq On : 22 Aug 2019 13:18
 Operator : JC/SP
 Sample : VX0822WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBL01

Quant Time: Aug 23 02:00:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	442812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	587871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	523487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	257918	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	206279	46.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.74%	
35) Dibromofluoromethane	5.49	113	177985	46.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.64%	
50) Toluene-d8	8.71	98	675342	50.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.13	95	236128	45.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.10%	

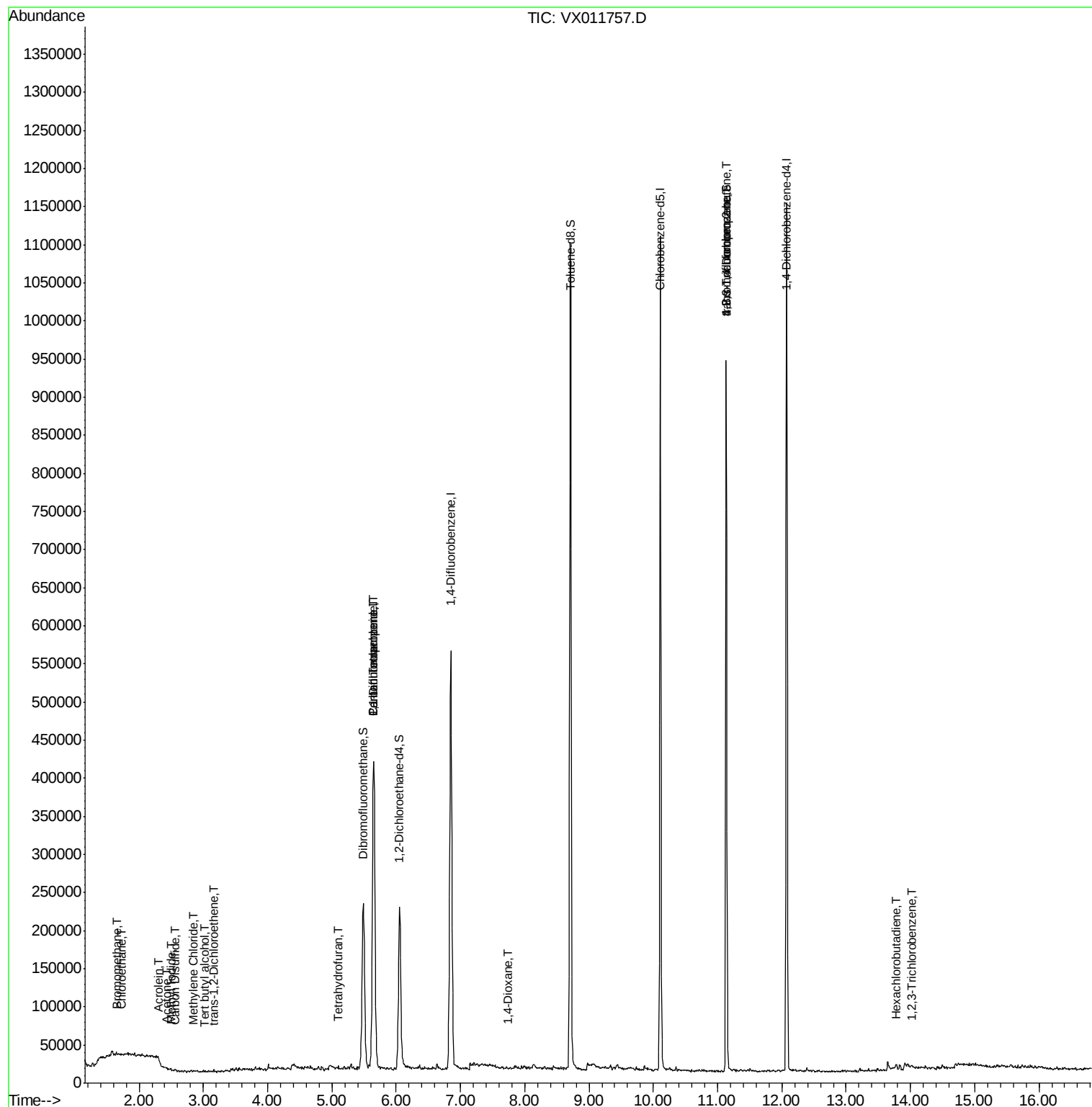
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	989	0.496	ug/l #	50
6) Chloroethane	1.72	64	793	0.374	ug/l #	44
10) Methyl Iodide	2.50	142	1330	0.305	ug/l #	64
11) Tert butyl alcohol	3.01	59	194	0.221	ug/l #	72
13) Acrolein	2.29	56	170	0.500	ug/l #	1
16) Acetone	2.44	43	512	0.265	ug/l	96
17) Carbon Disulfide	2.56	76	3528	0.401	ug/l #	92
20) Methylene Chloride	2.84	84	890	0.225	ug/l #	37
21) trans-1,2-Dichloroethene	3.15	96	751	0.200	ug/l #	54
29) Tetrahydrofuran	5.10	42	371	0.208	ug/l #	77
36) 1,1-Dichloropropene	5.65	75	25048	5.433	ug/l #	40
38) Carbon Tetrachloride	5.65	117	38515	7.372	ug/l #	15
49) 1,4-Dioxane	7.74	88	71	0.652	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	107327	23.715	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	107327	71.520	ug/l #	11
94) Hexachlorobutadiene	13.78	225	653	0.204	ug/l	95
96) 1,2,3-Trichlorobenzene	14.02	180	1283	0.218	ug/l	78

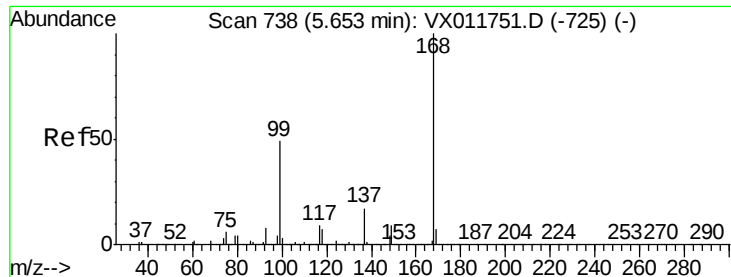
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

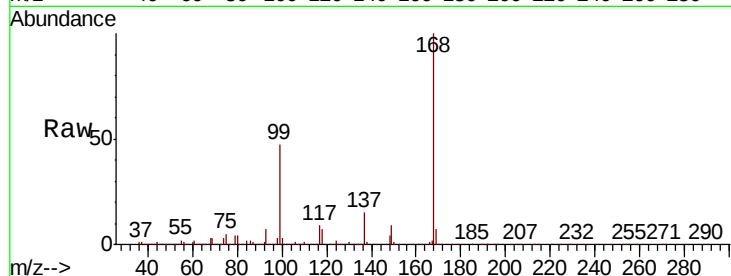
VX0822WBL01

Tgt Ion:168 Resp: 442812

Ion Ratio Lower Upper

168 100

99 46.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

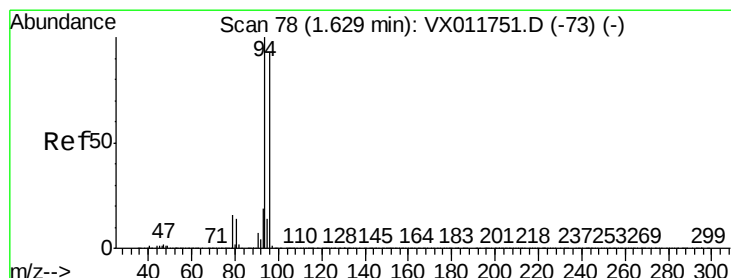
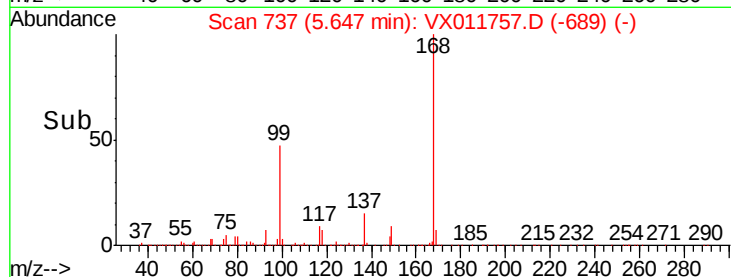
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.496 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX011757.D

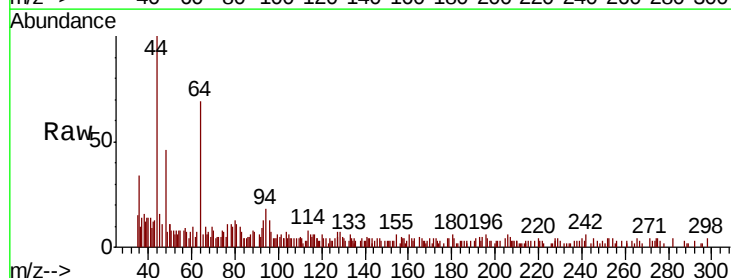
Acq: 22 Aug 2019 13:18

Tgt Ion: 94 Resp: 989

Ion Ratio Lower Upper

94 100

96 45.1 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

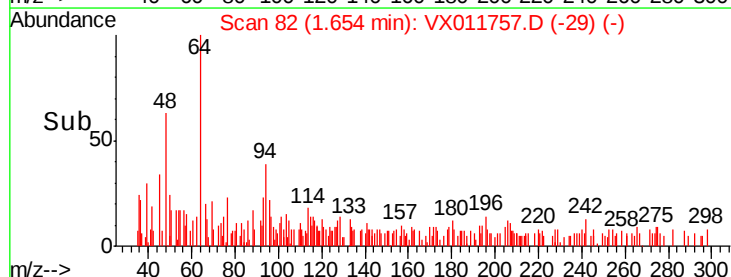
300

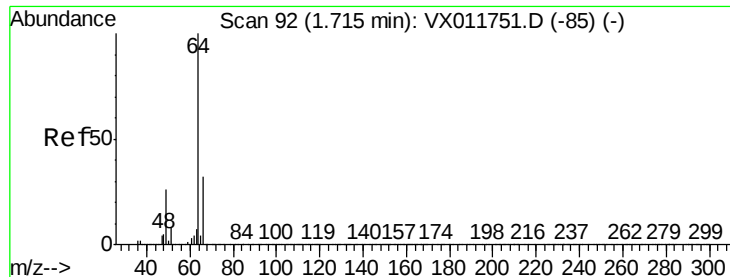
200

100

0

Time-->





#6

Chloroethane

Concen: 0.374 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

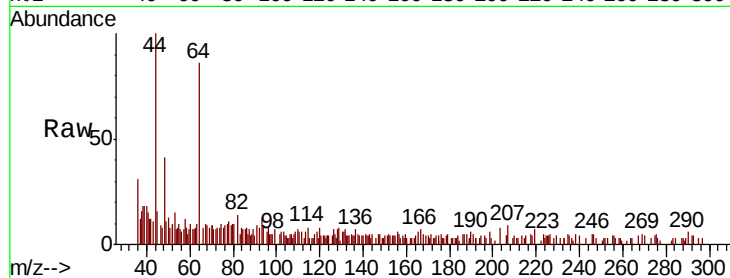
VX0822WBL01

Tgt Ion: 64 Resp: 793

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

2000

1500

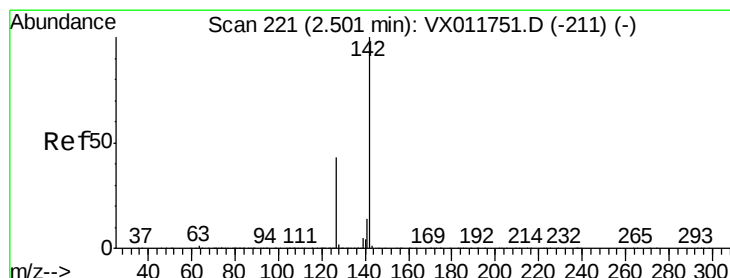
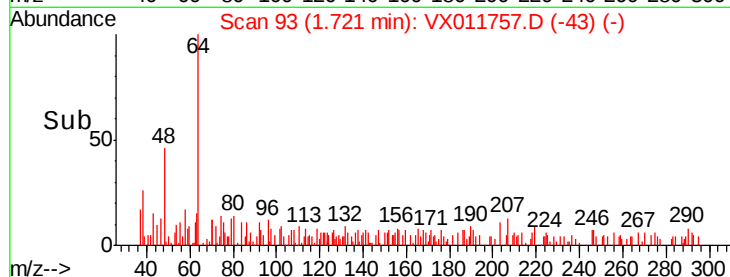
1000

500

0

Time-->

1.70 1.72 1.74 1.76



#10

Methyl Iodide

Concen: 0.305 ug/l

RT: 2.50 min Scan# 220

Delta R.T. -0.01 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

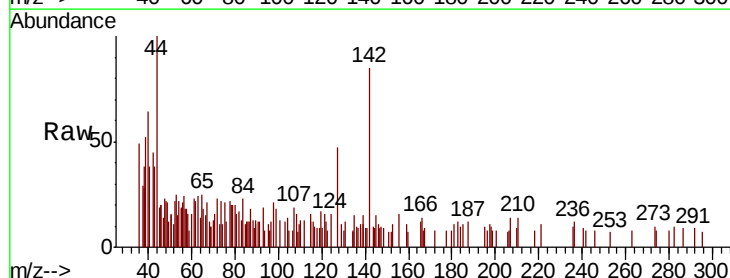
Tgt Ion: 142 Resp: 1330

Ion Ratio Lower Upper

142 100

127 65.1 33.5 50.3#

141 0.0 11.4 17.2#



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

2.50

800

600

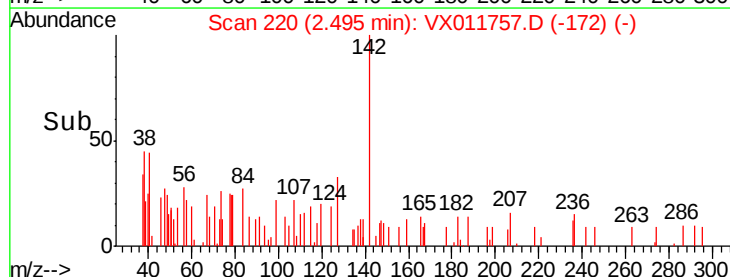
400

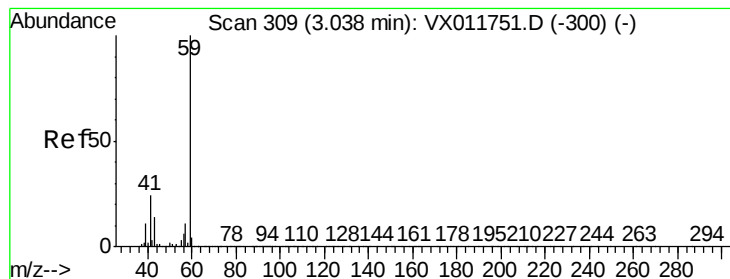
200

0

Time-->

2.45 2.50 2.55



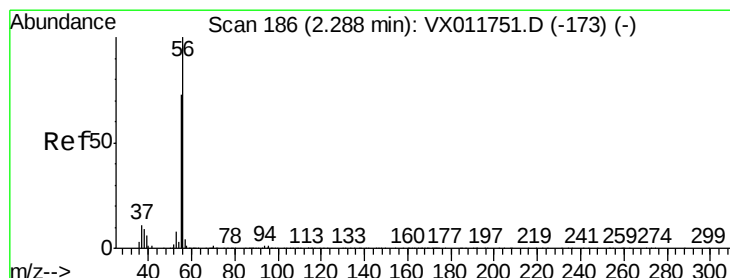
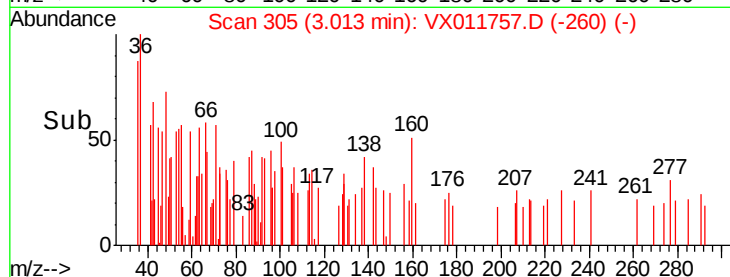
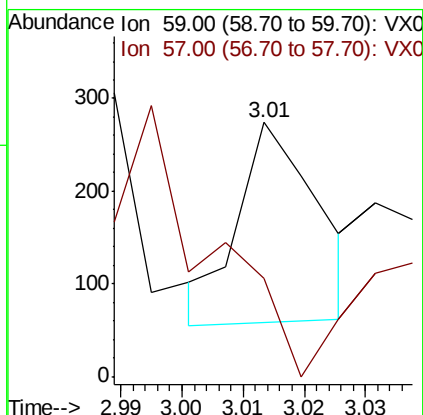
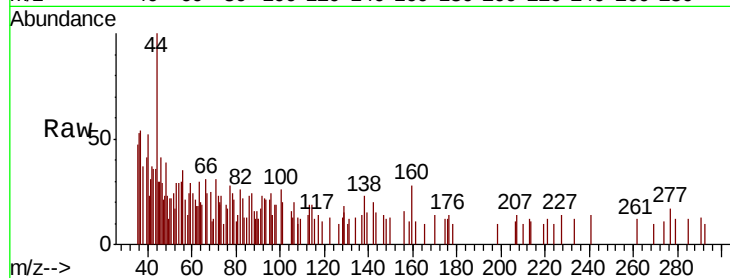


#11

Tert butyl alcohol
 Concen: 0.221 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.02 min
 Lab File: VX011757.D
 Acq: 22 Aug 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBL01

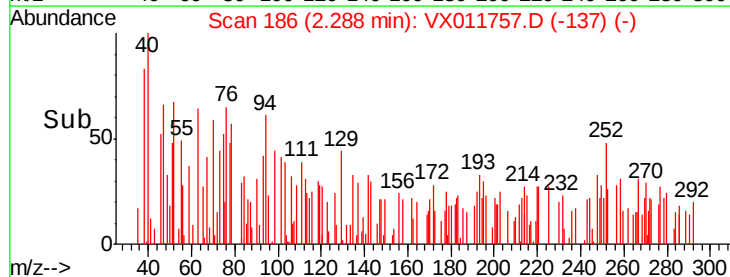
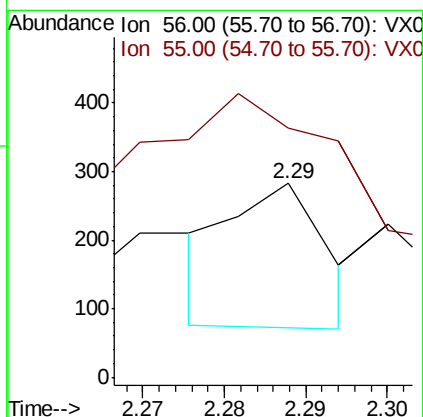
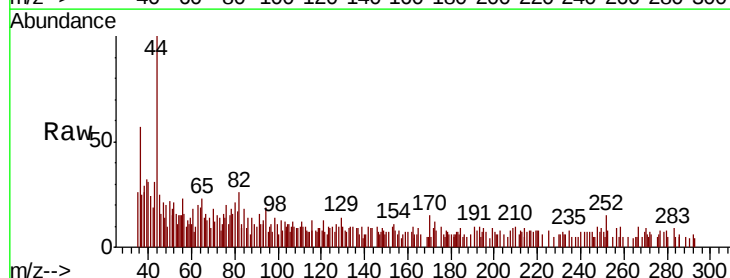
Tgt Ion: 59 Resp: 194
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

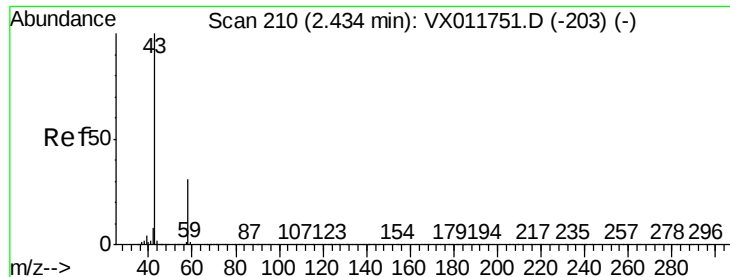


#13

Acrolein
 Concen: 0.500 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.00 min
 Lab File: VX011757.D
 Acq: 22 Aug 2019 13:18

Tgt Ion: 56 Resp: 170
 Ion Ratio Lower Upper
 56 100
 55 588.8 54.8 82.2#





#16

Acetone

Concen: 0.265 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

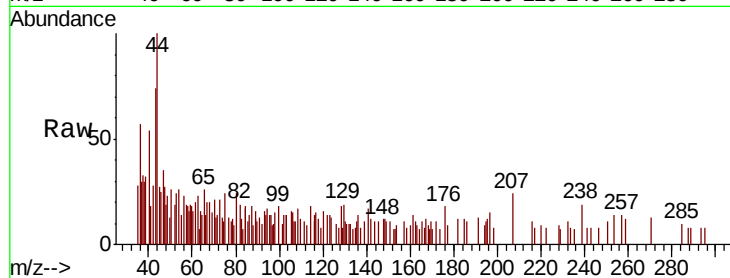
VX0822WBL01

Tgt Ion: 43 Resp: 512

Ion Ratio Lower Upper

43 100

58 32.9 24.4 36.6



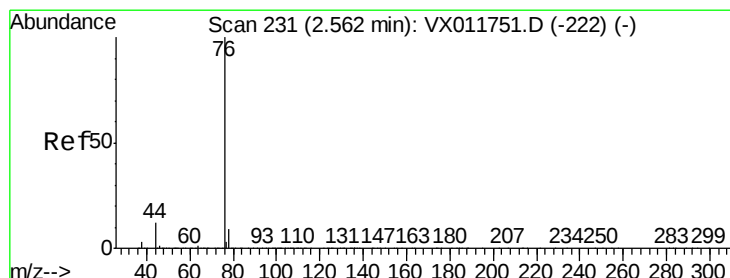
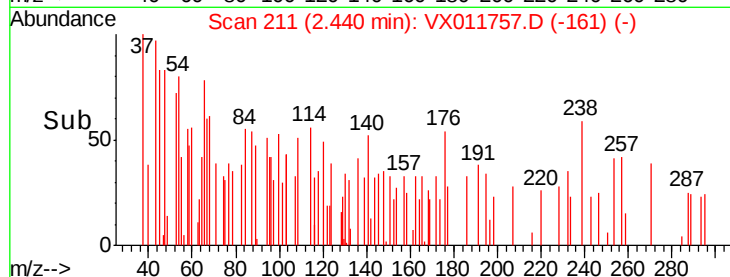
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

2.42 2.44 2.46 2.48

Time-->



#17

Carbon Disulfide

Concen: 0.401 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX011757.D

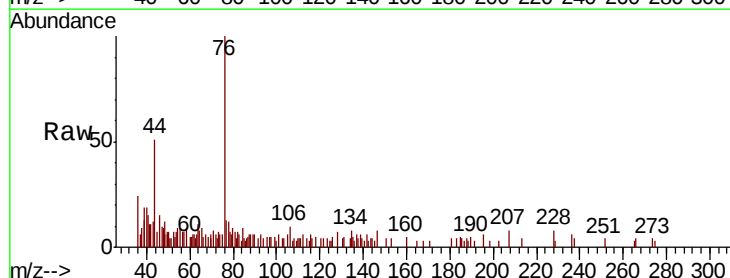
Acq: 22 Aug 2019 13:18

Tgt Ion: 76 Resp: 3528

Ion Ratio Lower Upper

76 100

78 12.2 7.4 11.0#



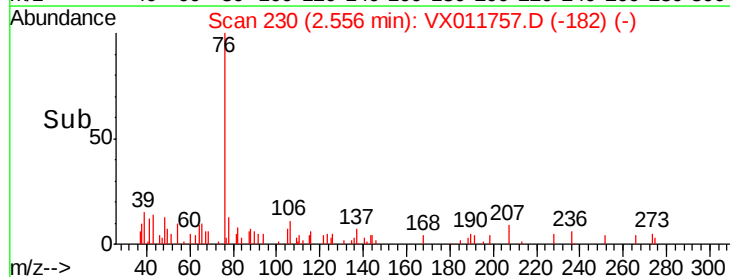
Abundance Ion 75.90 (75.60 to 76.60): VX0

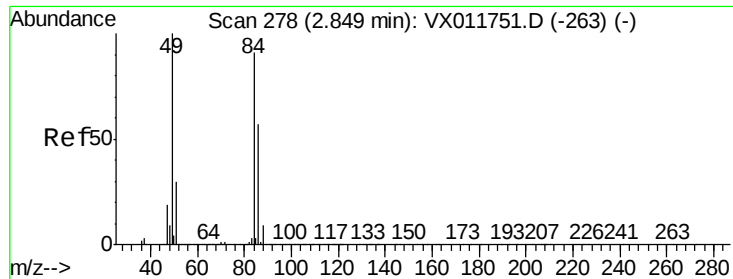
Ion 77.90 (77.60 to 78.60): VX0

2.56

2.50 2.55 2.60

Time-->

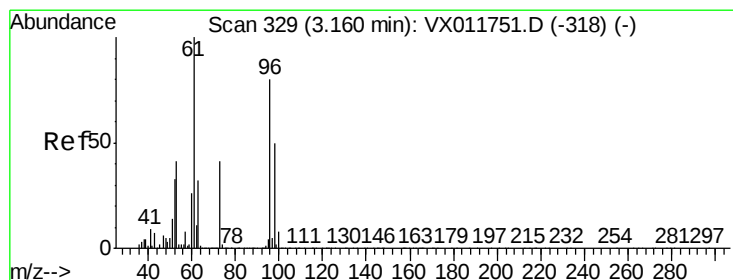
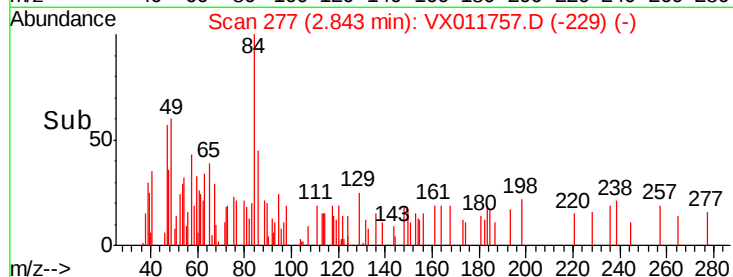
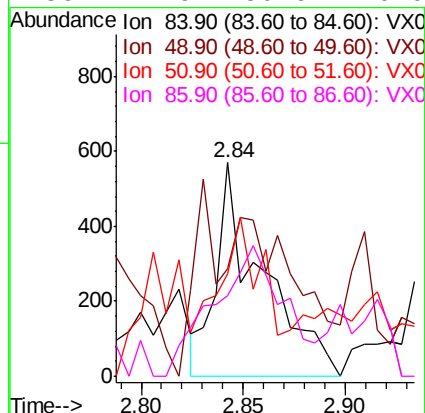
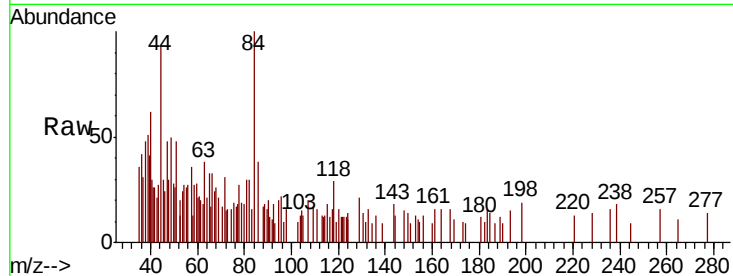




#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011757.D
Acq: 22 Aug 2019 13:18

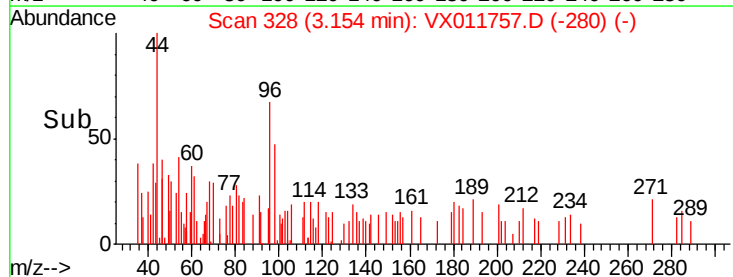
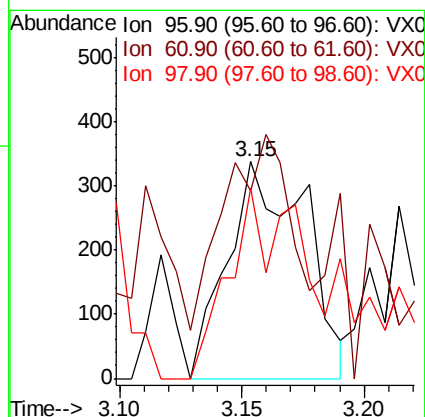
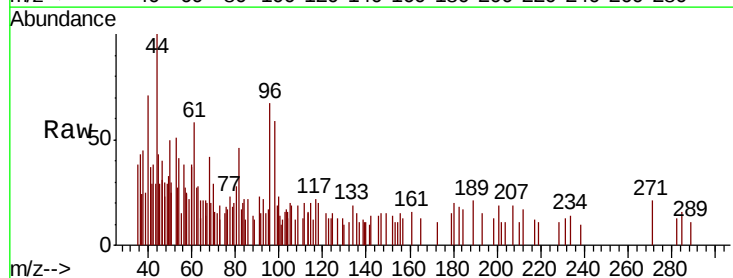
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

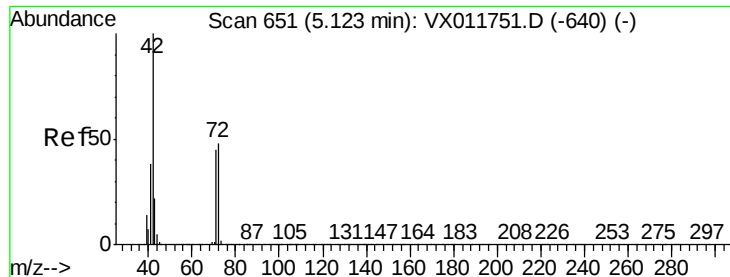
Tgt Ion:	84	Resp:	890
Ion	Ratio	Lower	Upper
84	100		
49	26.1	88.3	132.5#
51	27.9	26.2	39.2
86	14.6	50.6	76.0#



#21
trans-1,2-Dichloroethene
Concen: 0.200 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.01 min
Lab File: VX011757.D
Acq: 22 Aug 2019 13:18

Tgt Ion:	96	Resp:	751
Ion	Ratio	Lower	Upper
96	100		
61	64.4	99.8	149.8#
98	87.5	50.3	75.5#





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 5.10 min Scan# 647

Delta R.T. -0.02 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01

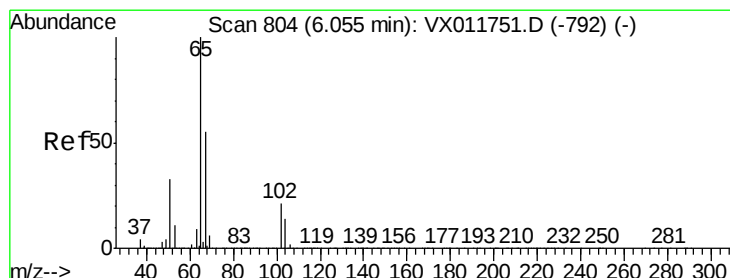
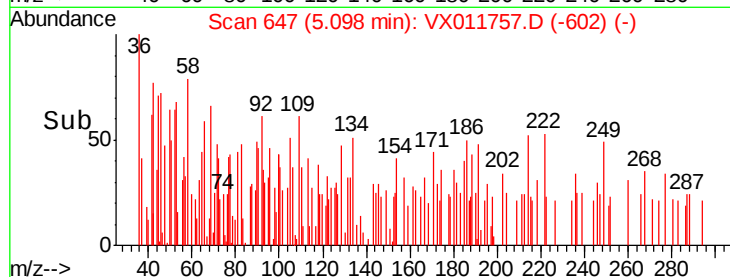
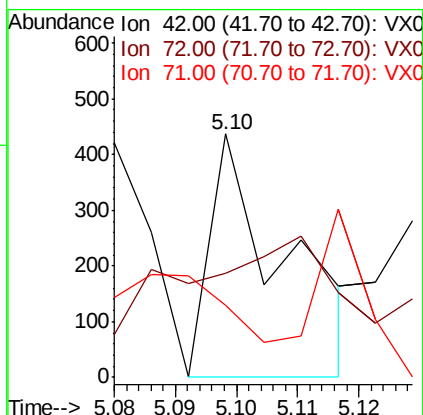
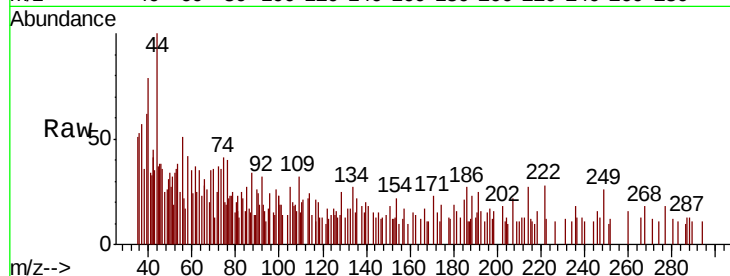
Tgt Ion: 42 Resp: 371

Ion Ratio Lower Upper

42 100

72 72.0 37.6 56.4#

71 47.4 34.6 51.8



#33

1,2-Dichloroethane-d4

Concen: 46.372 ug/l

RT: 6.05 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX011757.D

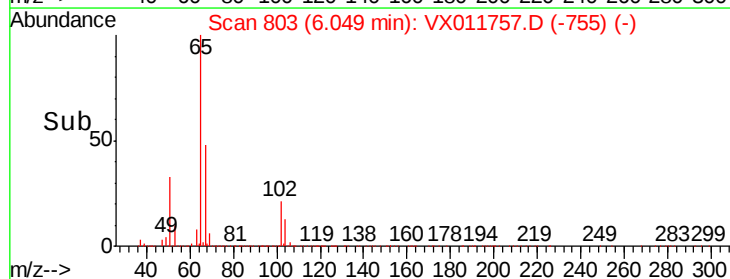
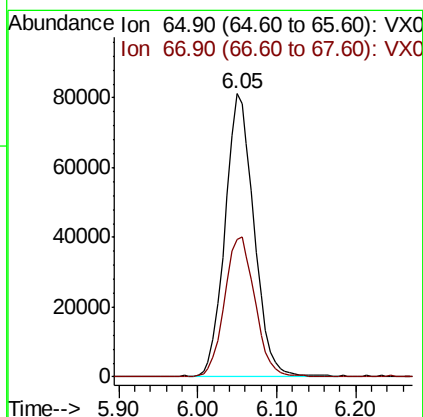
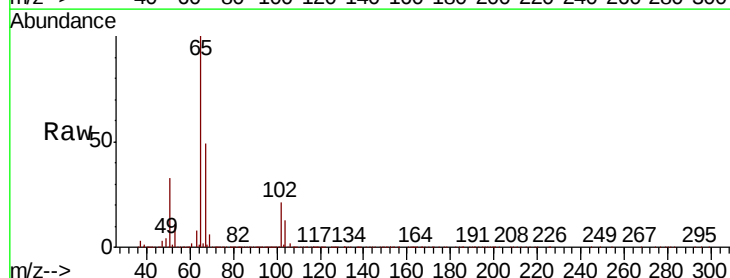
Acq: 22 Aug 2019 13:18

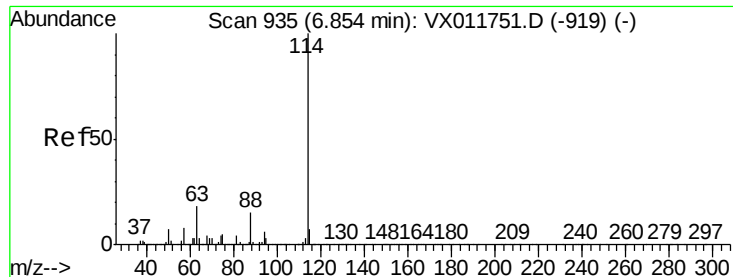
Tgt Ion: 65 Resp: 206279

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.01 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01

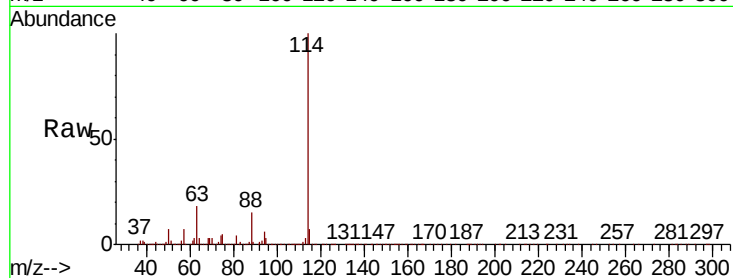
Tgt Ion:114 Resp: 587871

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

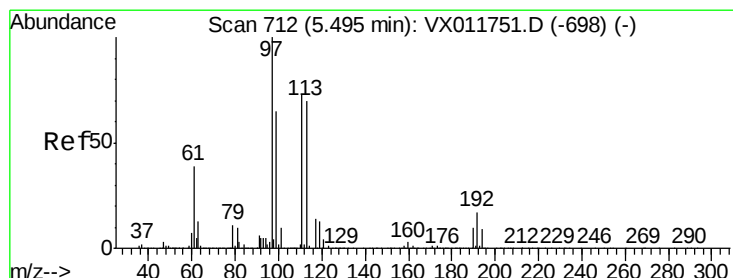
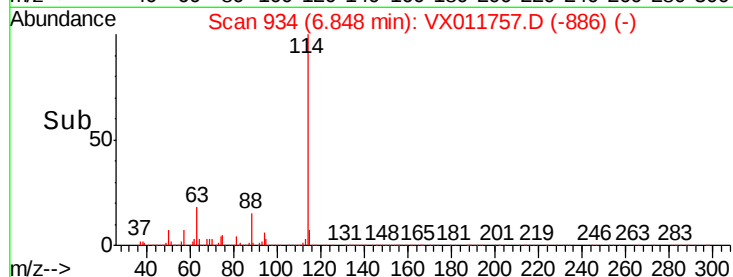
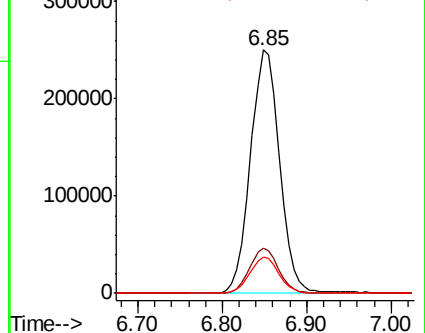
88 14.9 0.0 30.2



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



#35

Dibromofluoromethane

Concen: 46.821 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

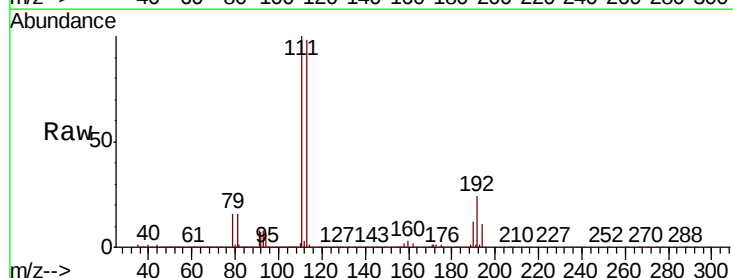
Tgt Ion:113 Resp: 177985

Ion Ratio Lower Upper

113 100

111 103.6 81.0 121.4

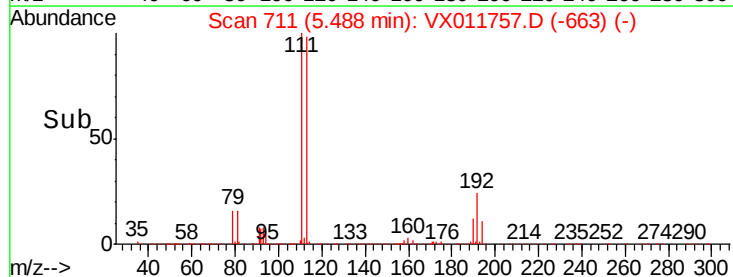
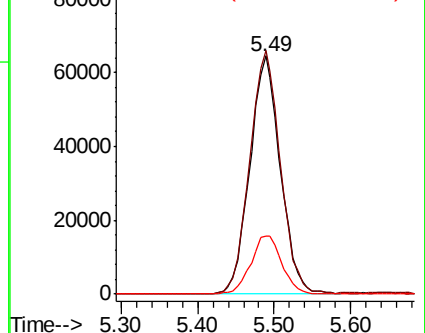
192 24.7 19.9 29.9

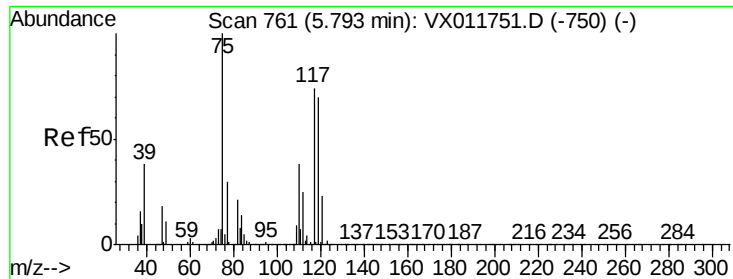


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

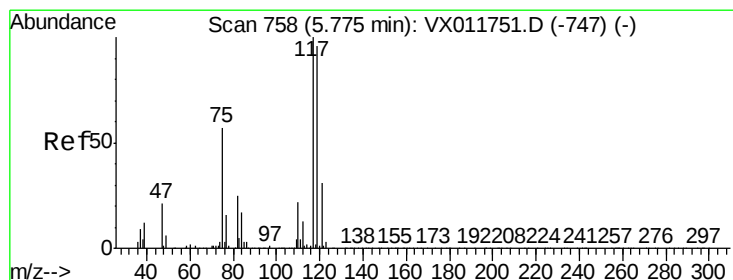
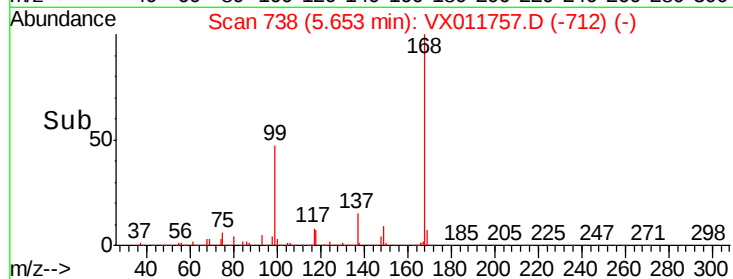
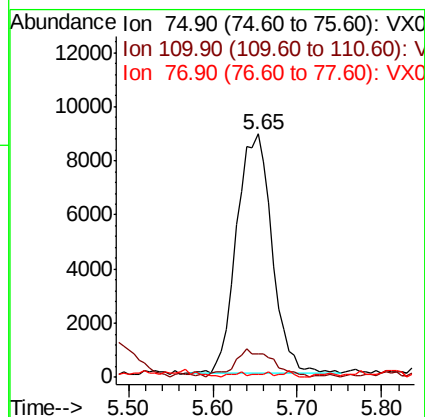
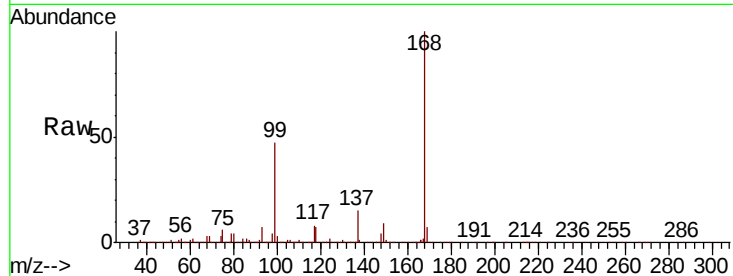




#36
 1,1-Dichloropropene
 Concen: 5.433 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011757.D
 Acq: 22 Aug 2019 13:18

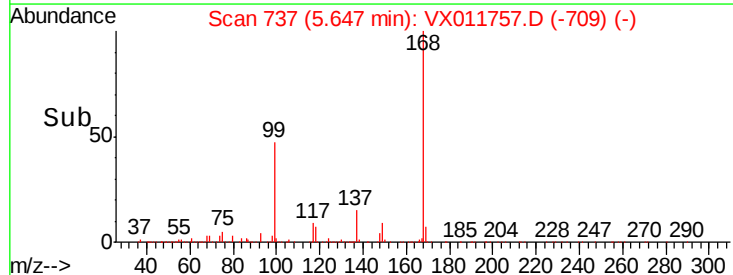
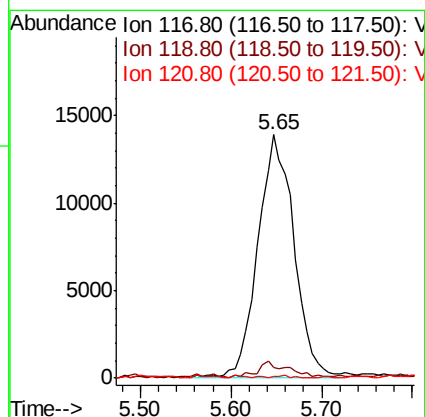
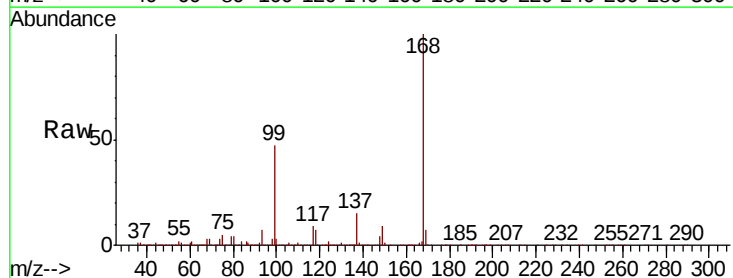
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBL01

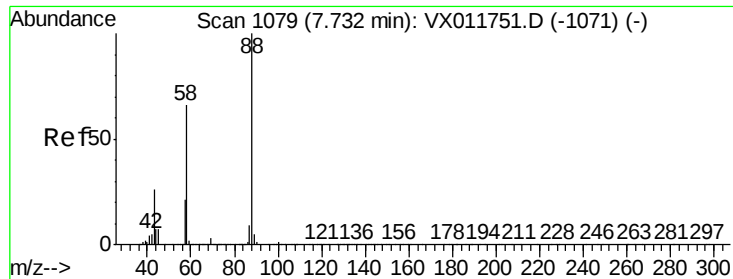
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.0	57.0#
77	0.2	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.372 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.13 min
 Lab File: VX011757.D
 Acq: 22 Aug 2019 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	76.6	114.8#
121	0.5	25.2	37.8#

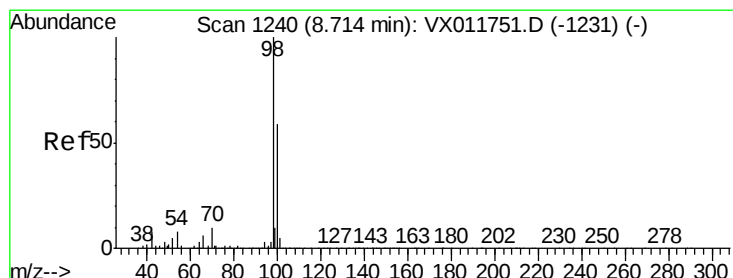
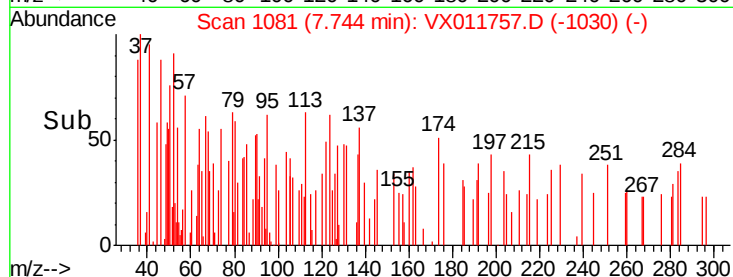
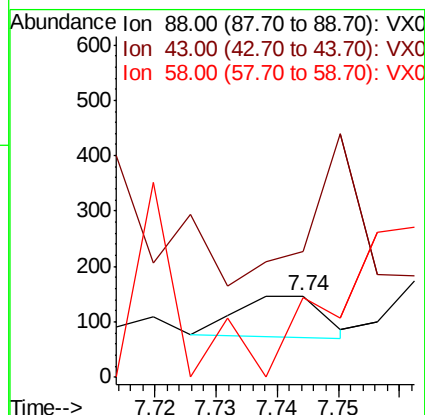
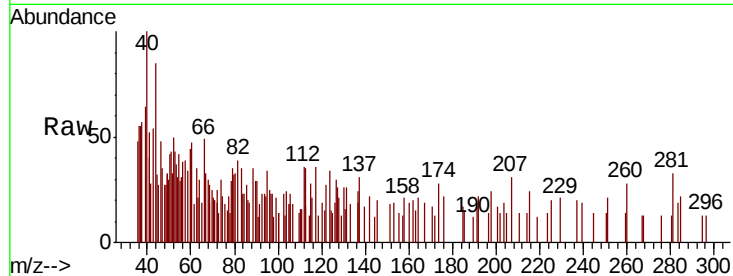




#49
1,4-Dioxane
Concen: 0.652 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011757.D
Acq: 22 Aug 2019 13:18

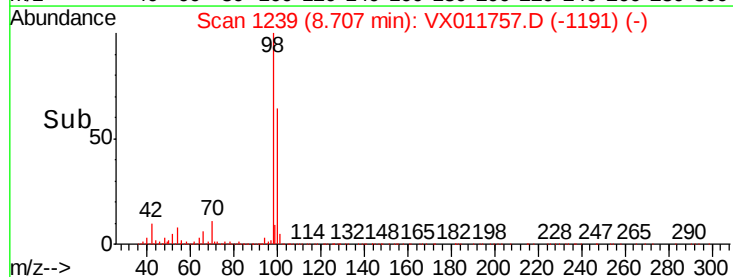
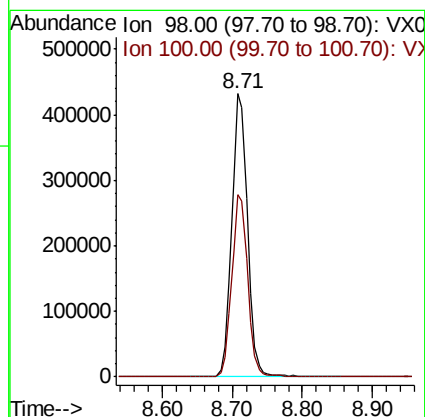
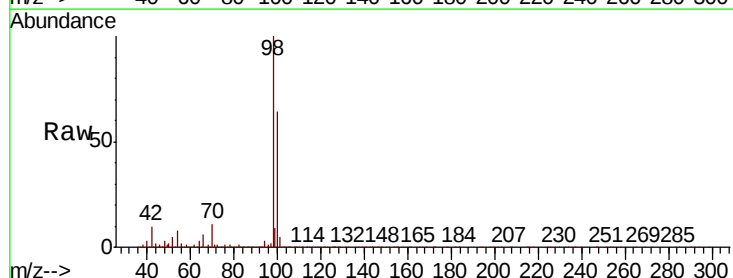
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

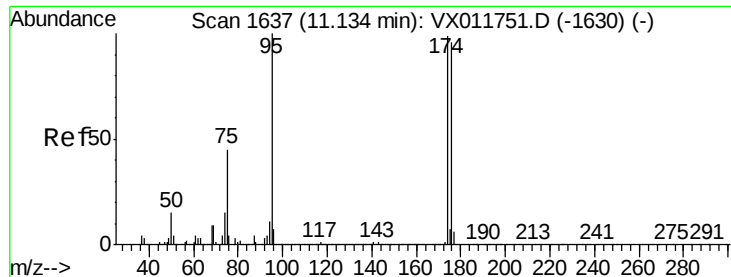
Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 773.2 24.6 37.0#
58 0.0 51.4 77.2#



#50
Toluene-d8
Concen: 50.933 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011757.D
Acq: 22 Aug 2019 13:18

Tgt Ion: 98 Resp: 675342
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 45.055 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01

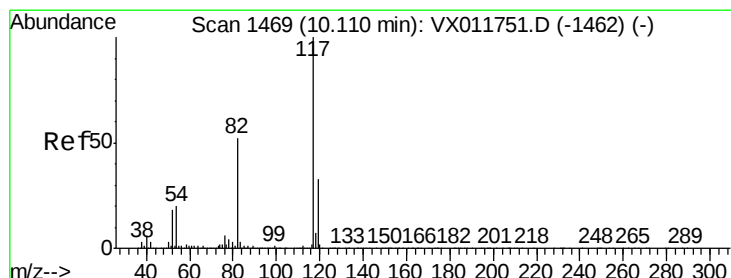
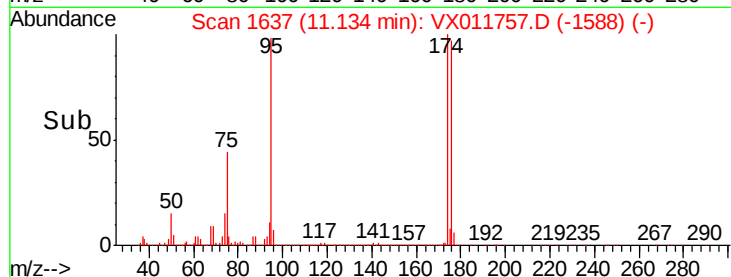
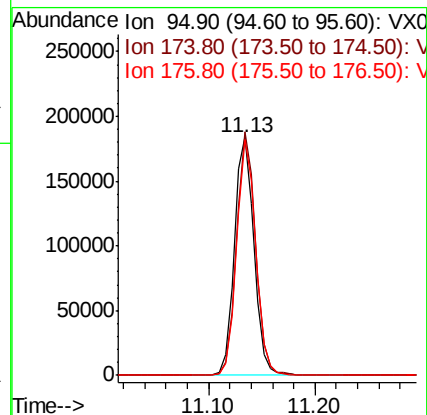
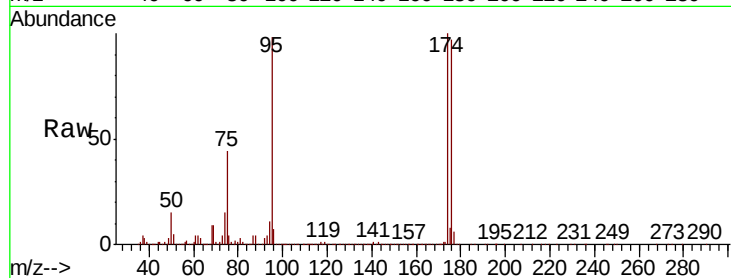
Tgt Ion: 95 Resp: 236128

Ion Ratio Lower Upper

95 100

174 100.4 0.0 197.4

176 97.3 0.0 194.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

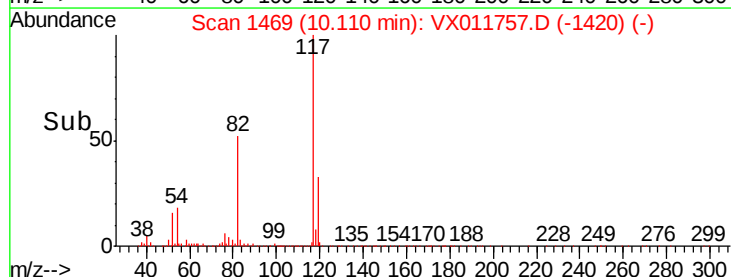
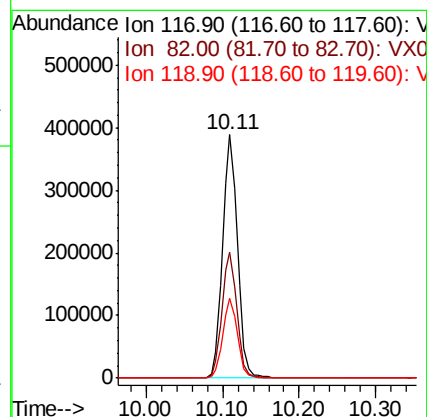
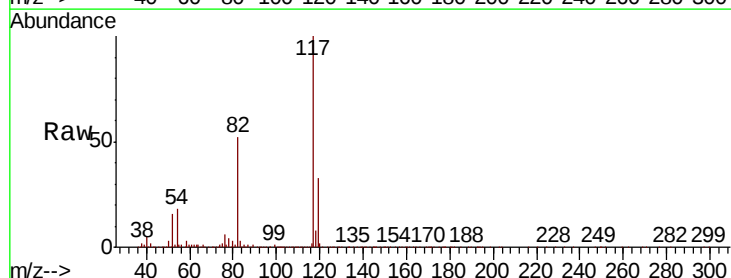
Tgt Ion: 117 Resp: 523487

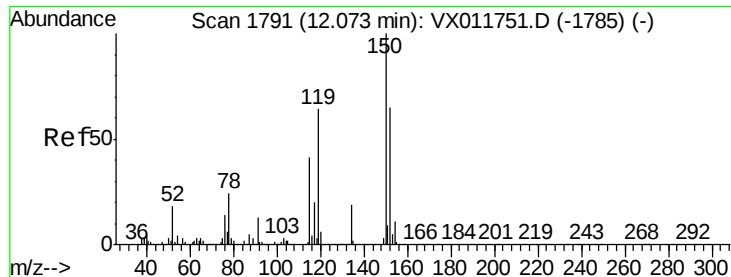
Ion Ratio Lower Upper

117 100

82 51.7 41.7 62.5

119 32.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01

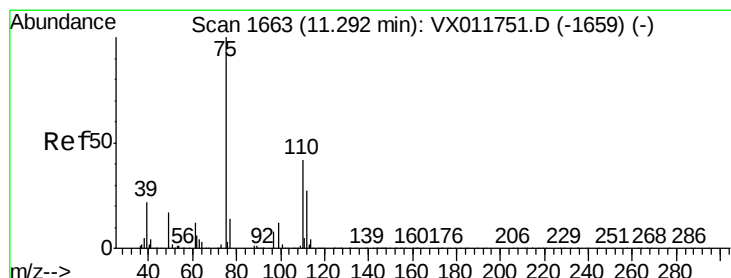
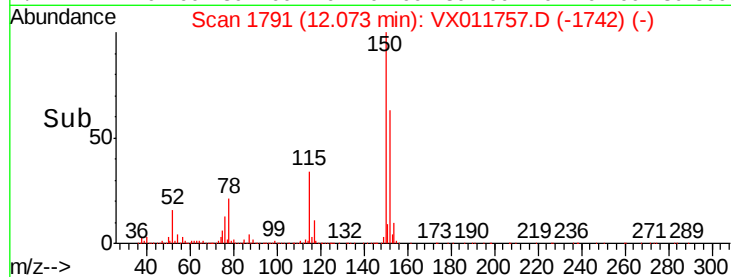
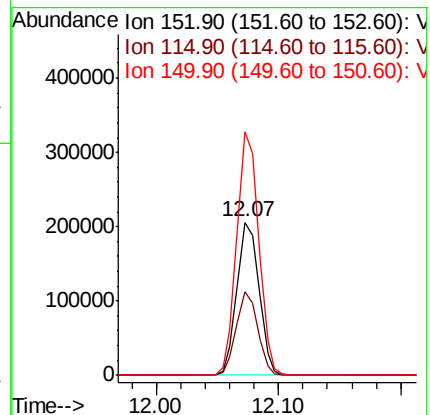
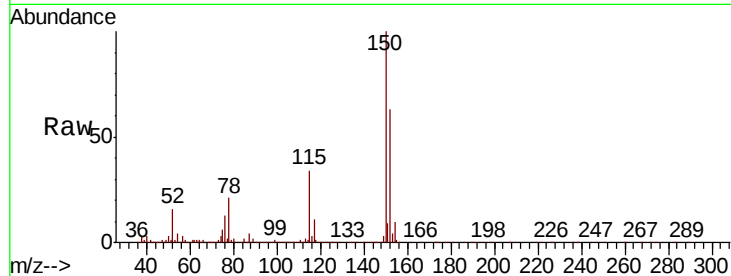
Tgt Ion: 152 Resp: 257918

Ion Ratio Lower Upper

152 100

115 53.0 37.3 111.8

150 157.4 0.0 343.0



#76

1,2,3-Trichloropropane

Concen: 23.715 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011757.D

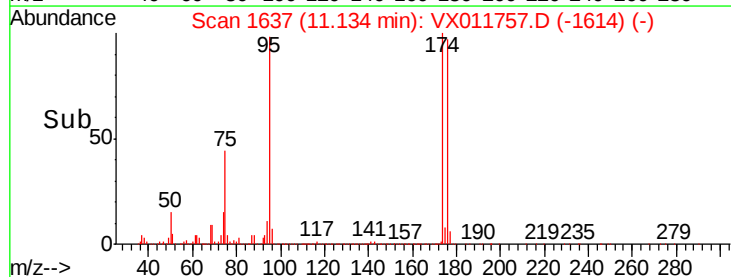
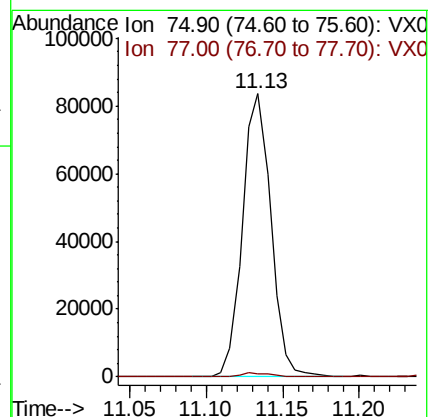
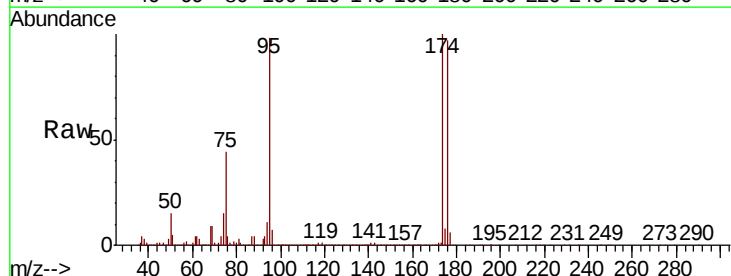
Acq: 22 Aug 2019 13:18

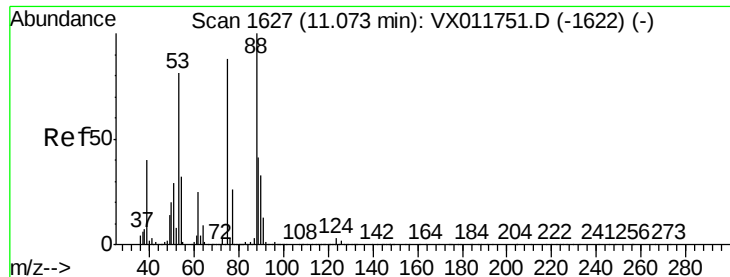
Tgt Ion: 75 Resp: 107327

Ion Ratio Lower Upper

75 100

77 1.4 21.1 63.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.520 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01

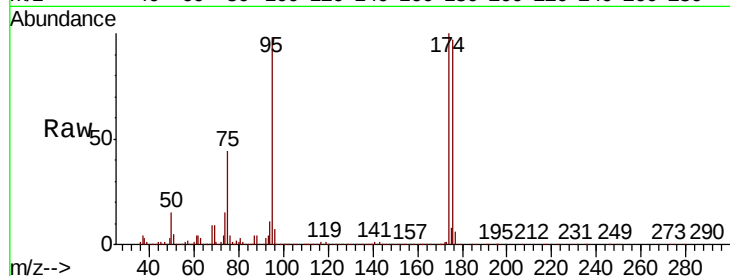
Tgt Ion: 75 Resp: 107327

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

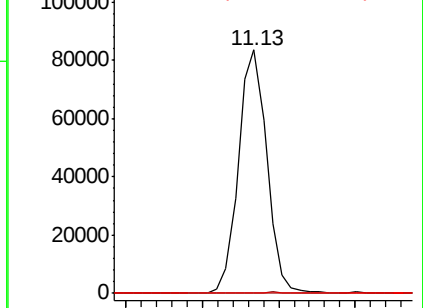
89 0.5 38.5 57.7#



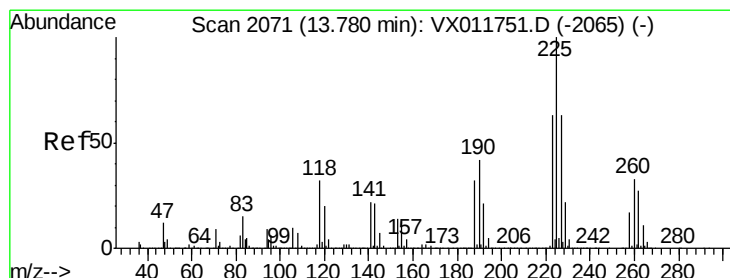
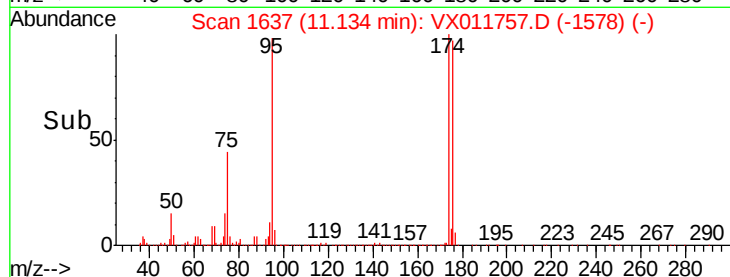
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->



#94

Hexachlorobutadiene

Concen: 0.204 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX011757.D

Acq: 22 Aug 2019 13:18

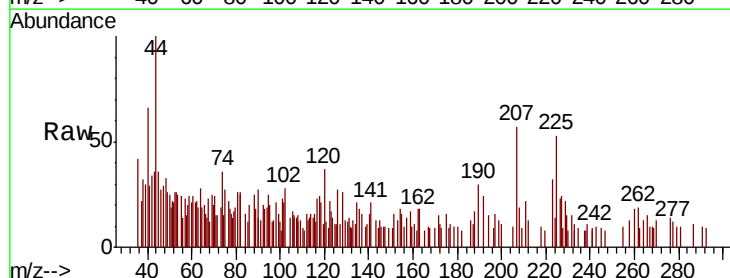
Tgt Ion: 225 Resp: 653

Ion Ratio Lower Upper

225 100

223 66.2 31.0 93.0

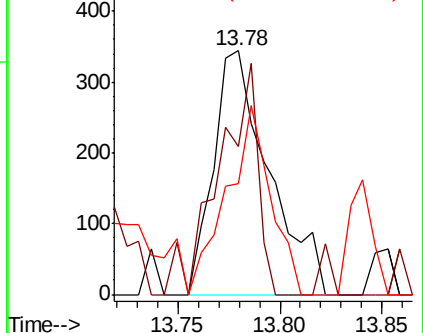
227 60.3 31.8 95.3



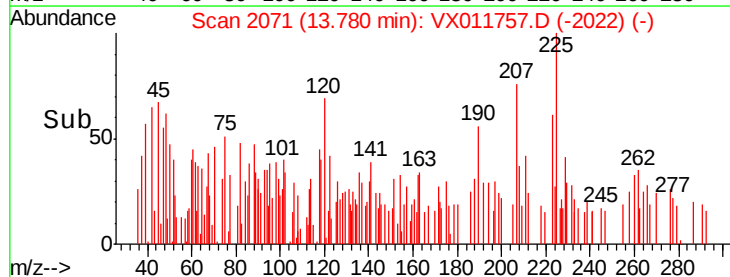
Abundance Ion 224.70 (224.40 to 225.40): V

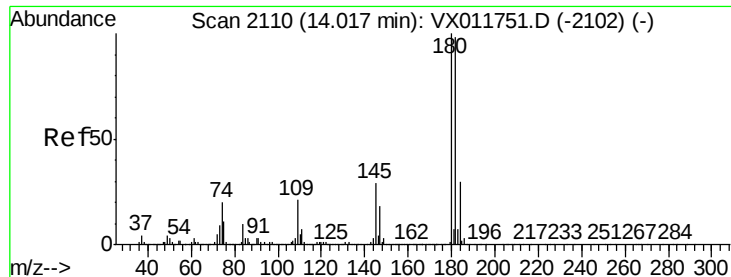
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->

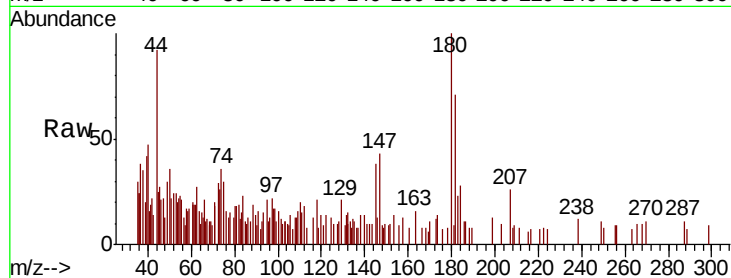




#96
 1,2,3-Trichlorobenzene
 Concen: 0.218 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX011757.D
 Acq: 22 Aug 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	73.7	48.5	145.5
145	37.8	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

