

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011020\
 Data File : VX014533.D
 Acq On : 10 Jan 2020 13:39
 Operator : JC/SP
 Sample : L1080-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Jan 10 14:06:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	496190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	759477	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	672729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	306974	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	275716	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	5.49	113	223050	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	8.71	98	891497	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.13	95	302622	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	

Target Compounds

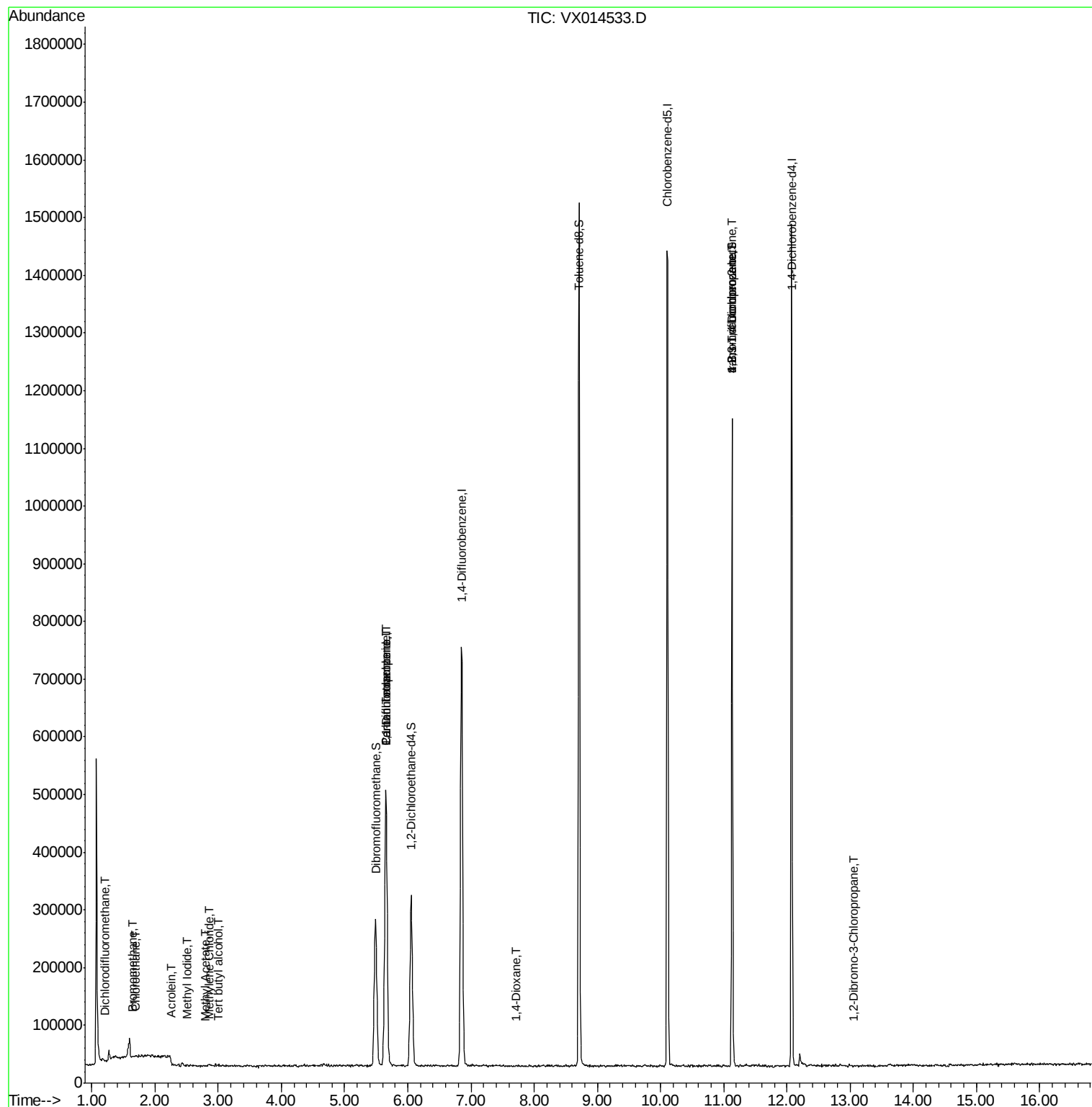
						Qvalue
2) Dichlorodifluoromethane	1.20	85	173	0.280	ug/l #	42
5) Bromomethane	1.65	94	952	0.204	ug/l #	63
6) Chloroethane	1.69	64	5812	0.231	ug/l #	43
10) Methyl Iodide	2.51	142	1173	0.201	ug/l #	75
11) Tert butyl alcohol	3.00	59	684	0.591	ug/l #	62
13) Acrolein	2.26	56	378	0.408	ug/l #	78
16) Acetone	2.44	43	5944	Below Cal	#	86
18) Methyl Acetate	2.80	43	1861	0.234	ug/l #	51
20) Methylene Chloride	2.85	84	2303	0.413	ug/l #	82
36) 1,1-Dichloropropene	5.65	75	33896	4.746	ug/l #	52
38) Carbon Tetrachloride	5.65	117	44874	6.828	ug/l #	18
49) 1,4-Dioxane	7.72	88	939	7.383	ug/l #	76
76) 1,2,3-Trichloropropane	11.13	75	147177	23.173	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	147177	61.264	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	649	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	13.06	75	637	0.410	ug/l	60
93) 1,2,4-Trichlorobenzene	13.64	180	423	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	14.01	180	670	Below Cal	#	72

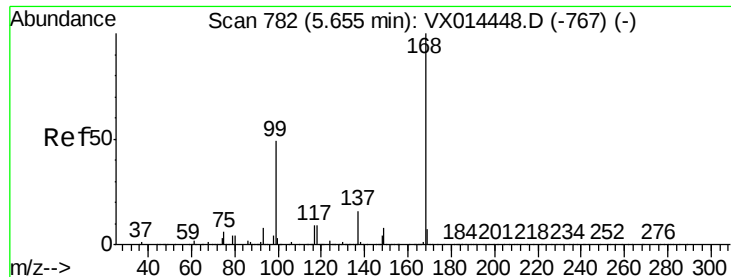
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

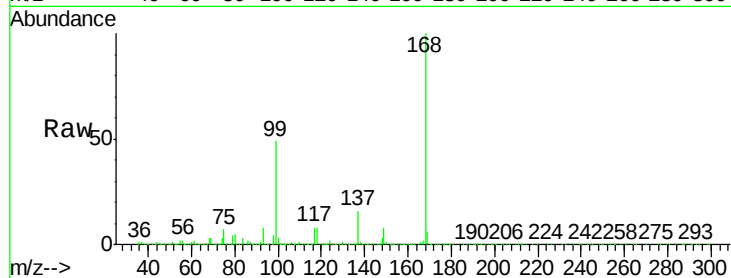
TB

Tgt Ion:168 Resp: 496190

Ion Ratio Lower Upper

168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

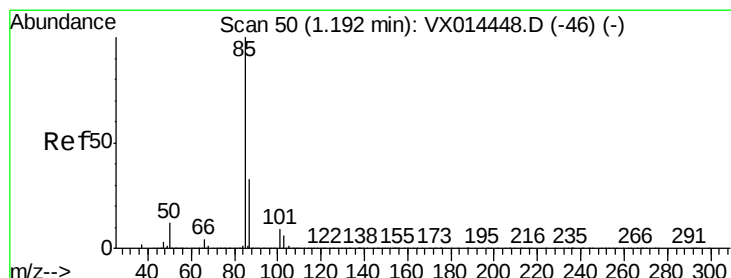
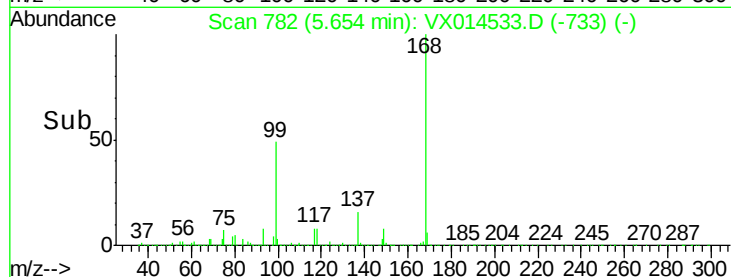
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.280 ug/l

RT: 1.20 min Scan# 52

Delta R.T. 0.01 min

Lab File: VX014533.D

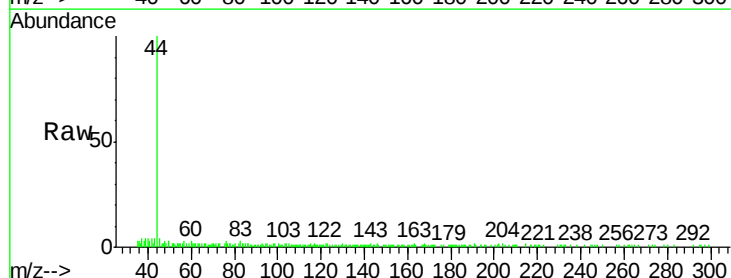
Acq: 10 Jan 2020 13:39

Tgt Ion: 85 Resp: 173

Ion Ratio Lower Upper

85 100

87 65.8 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

300

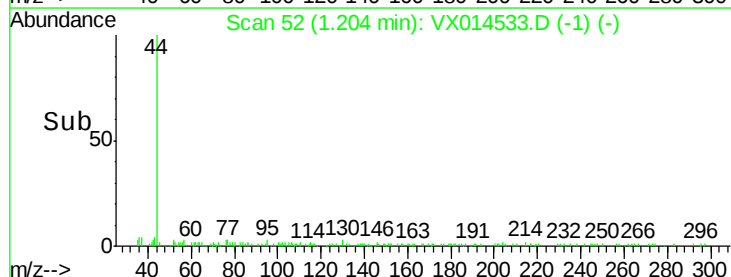
200

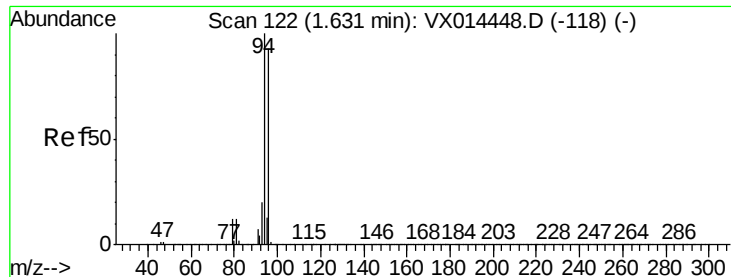
100

0

1.19 1.20 1.21

Time-->





#5

Bromomethane

Concen: 0.204 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampled :

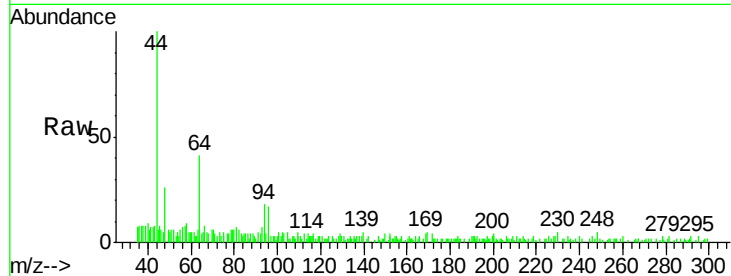
TB

Tgt Ion: 94 Resp: 952

Ion Ratio Lower Upper

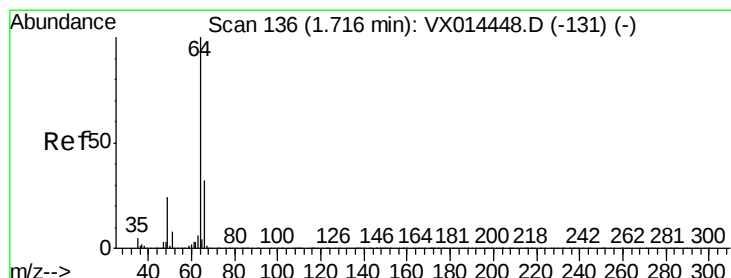
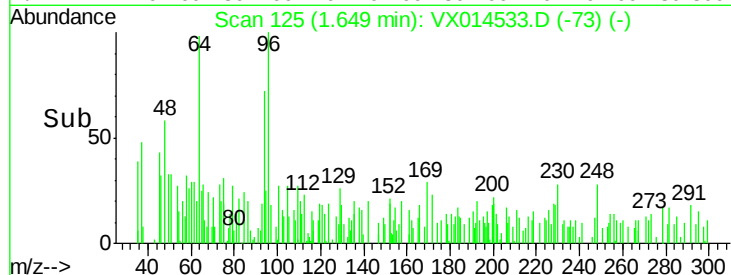
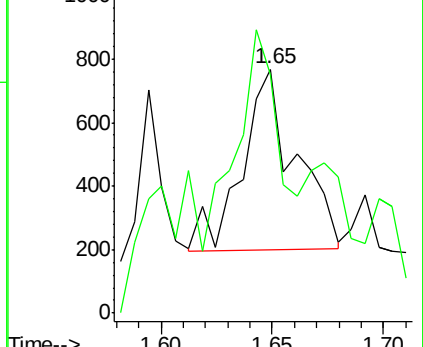
94 100

96 57.4 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.231 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.03 min

Lab File: VX014533.D

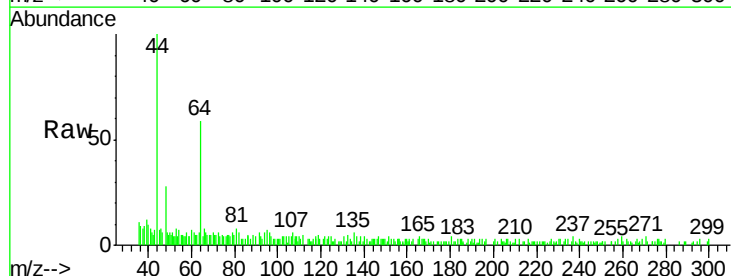
Acq: 10 Jan 2020 13:39

Tgt Ion: 64 Resp: 5812

Ion Ratio Lower Upper

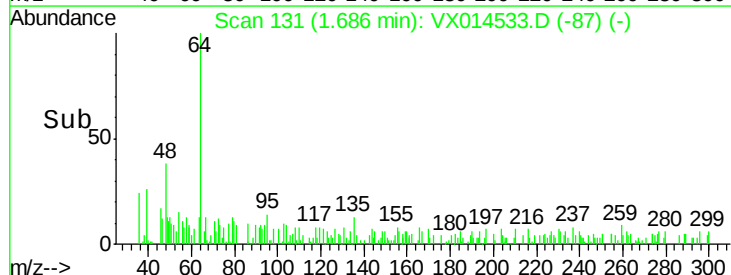
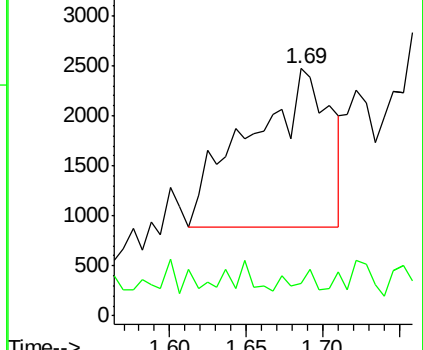
64 100

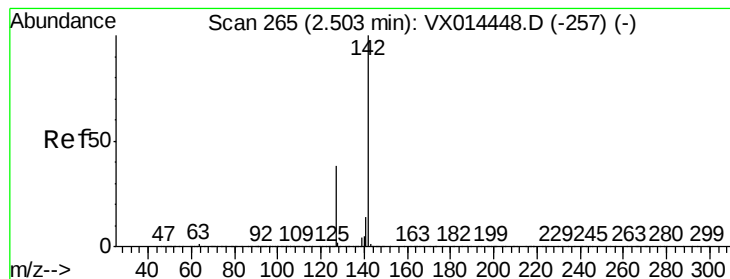
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 0.201 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampled :

TB

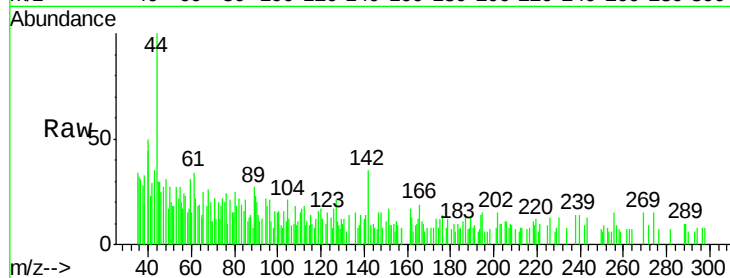
Tgt Ion: 142 Resp: 1173

Ion Ratio Lower Upper

142 100

127 28.9 31.2 46.8#

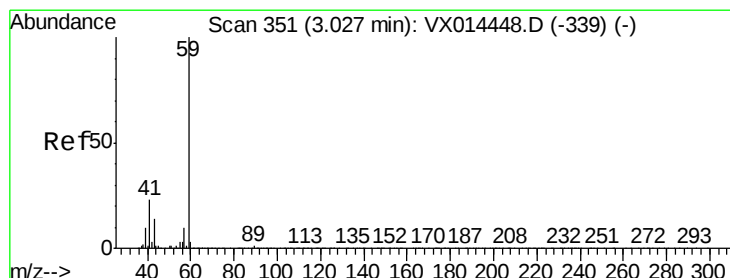
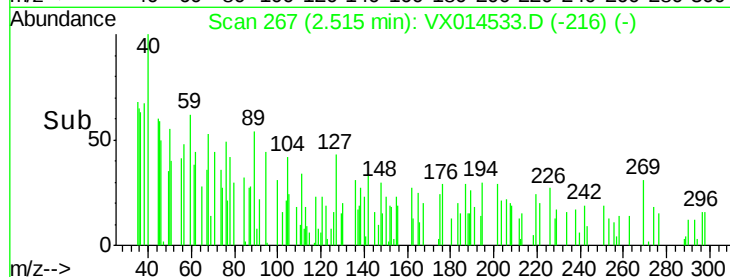
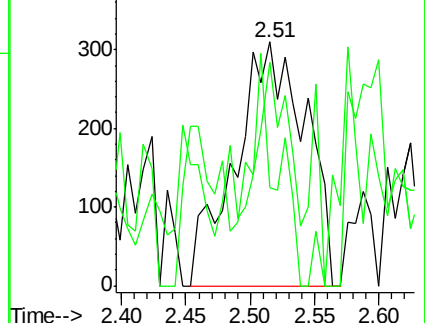
141 33.8 11.4 17.2#



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



#11

Tert butyl alcohol

Concen: 0.591 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.02 min

Lab File: VX014533.D

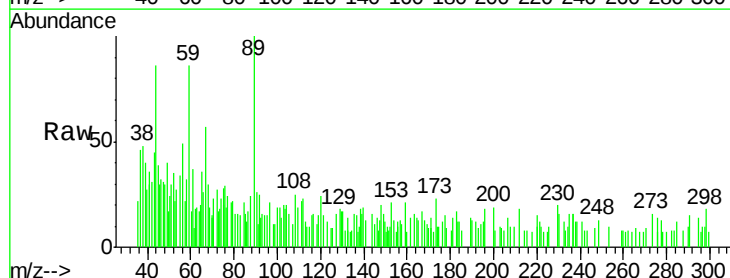
Acq: 10 Jan 2020 13:39

Tgt Ion: 59 Resp: 684

Ion Ratio Lower Upper

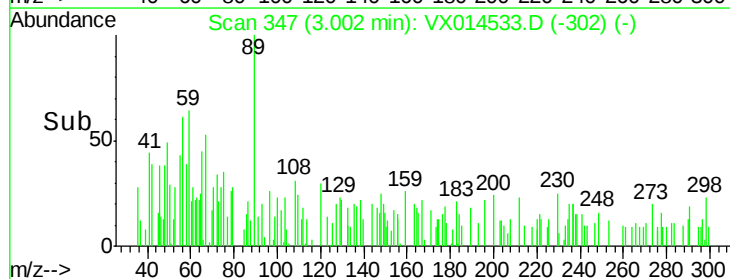
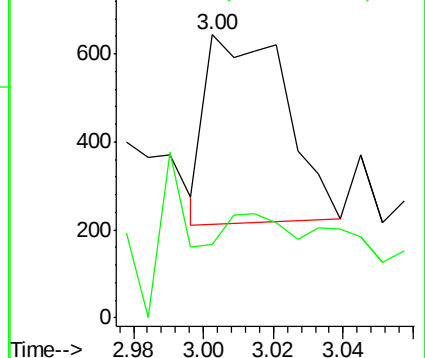
59 100

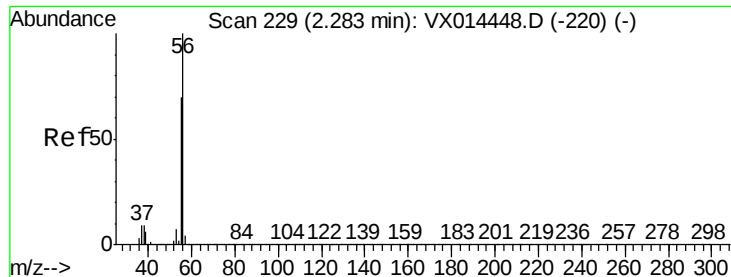
57 24.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.408 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampled :

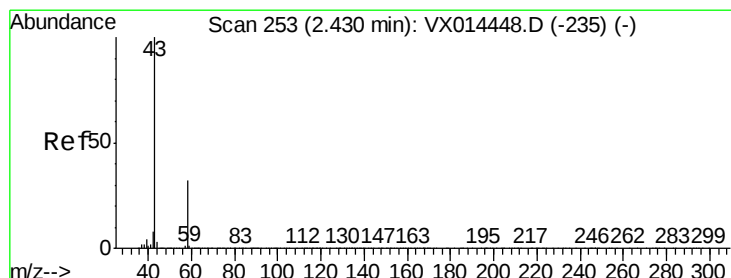
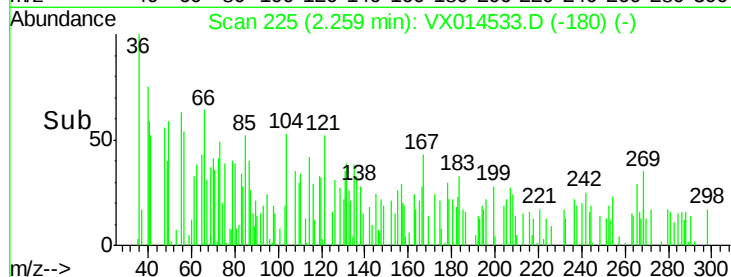
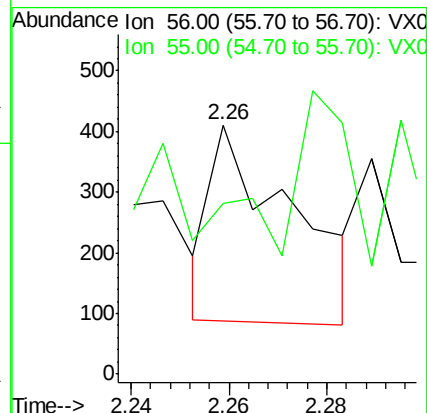
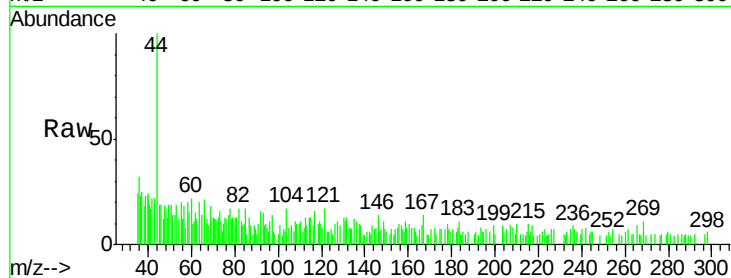
TB

Tgt Ion: 56 Resp: 378

Ion Ratio Lower Upper

56 100

55 51.1 55.0 82.6#



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014533.D

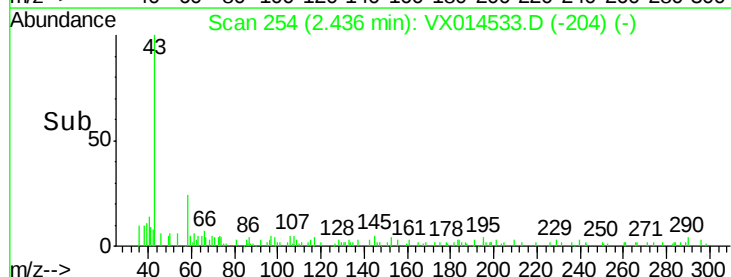
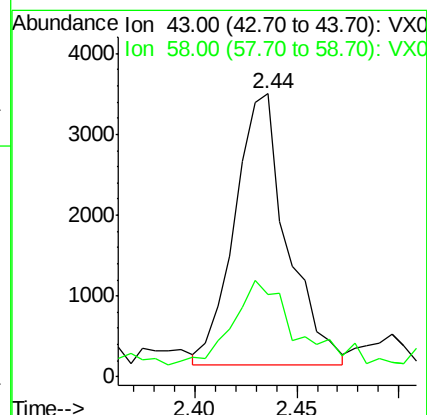
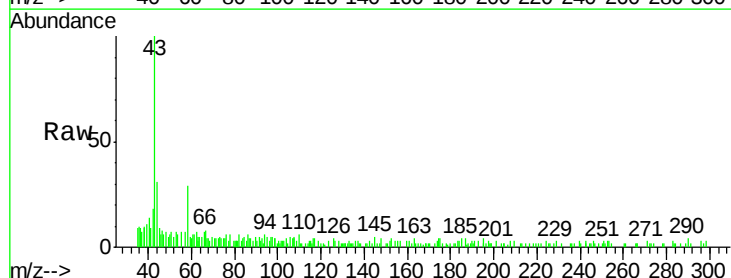
Acq: 10 Jan 2020 13:39

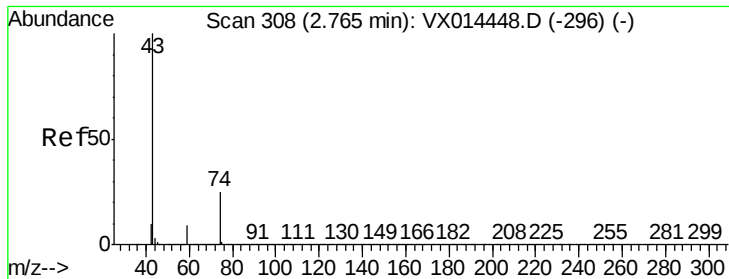
Tgt Ion: 43 Resp: 5944

Ion Ratio Lower Upper

43 100

58 23.9 25.4 38.0#





#18

Methyl Acetate

Concen: 0.234 ug/l

RT: 2.80 min Scan# 314

Delta R.T. 0.04 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampled :

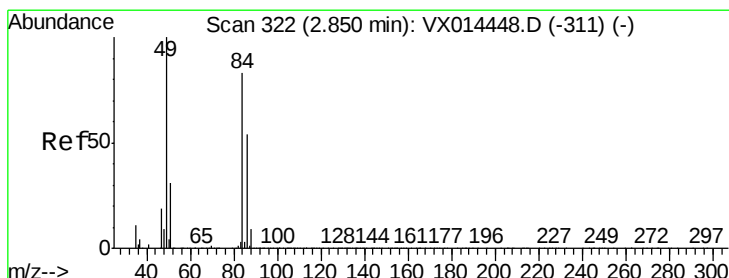
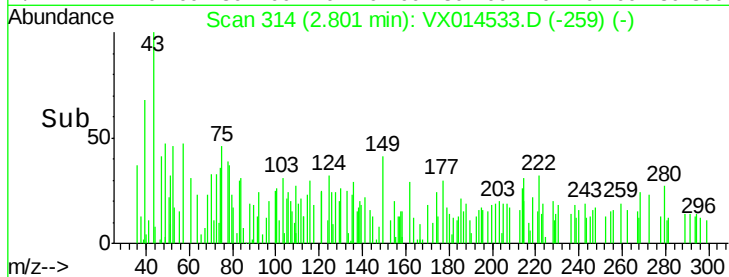
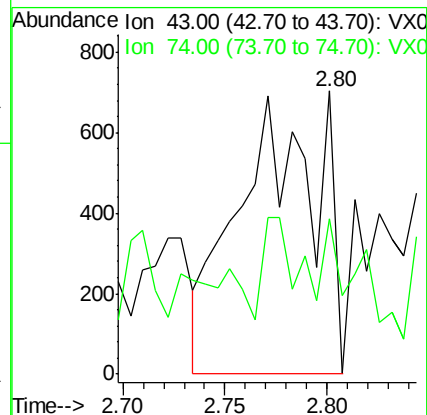
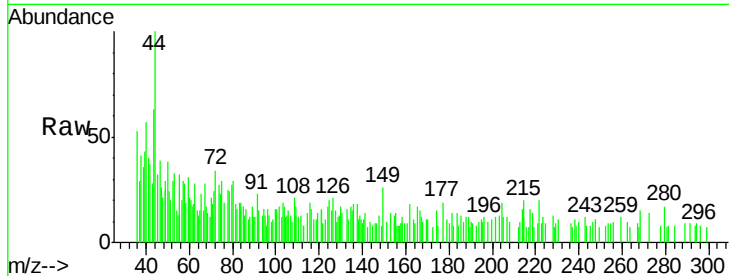
TB

Tgt Ion: 43 Resp: 1861

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



#20

Methylene Chloride

Concen: 0.413 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Tgt Ion: 84 Resp: 2303

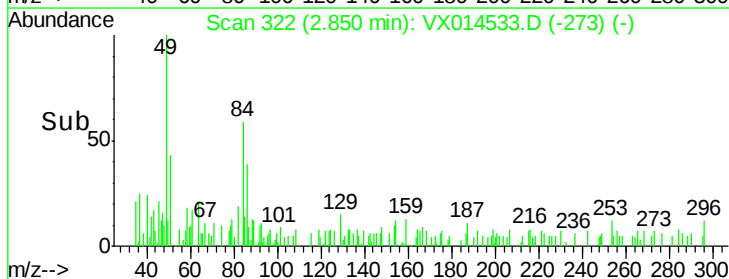
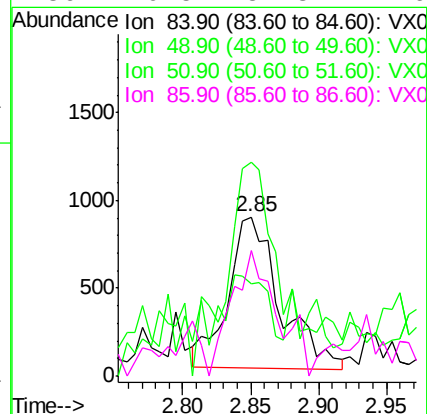
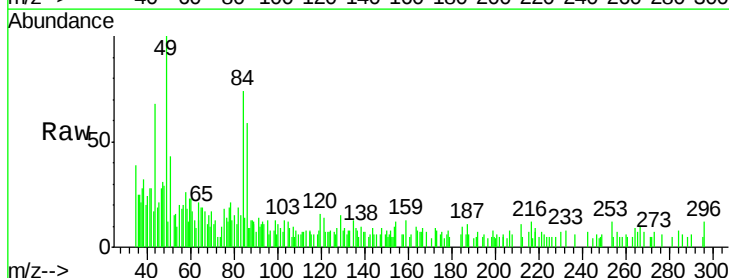
Ion Ratio Lower Upper

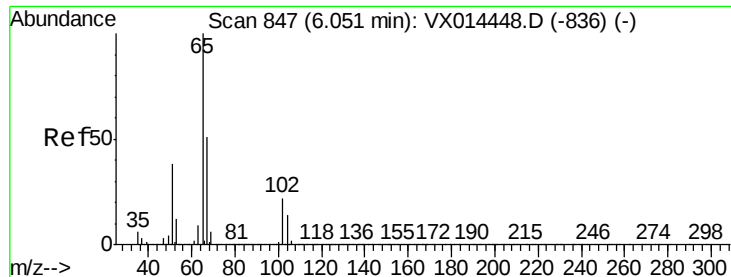
84 100

49 150.9 95.8 143.8#

51 42.1 30.2 45.4

86 70.5 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 49.776 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

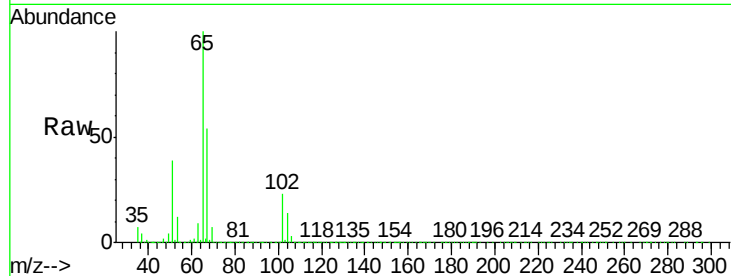
TB

Tgt Ion: 65 Resp: 275716

Ion Ratio Lower Upper

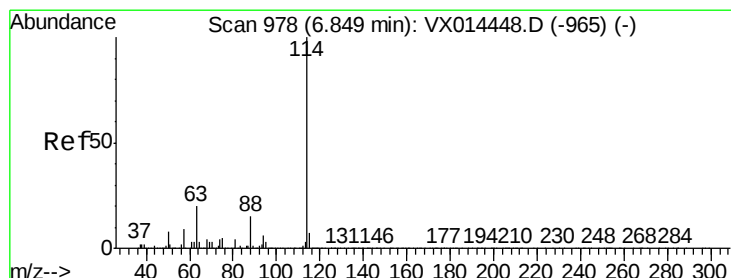
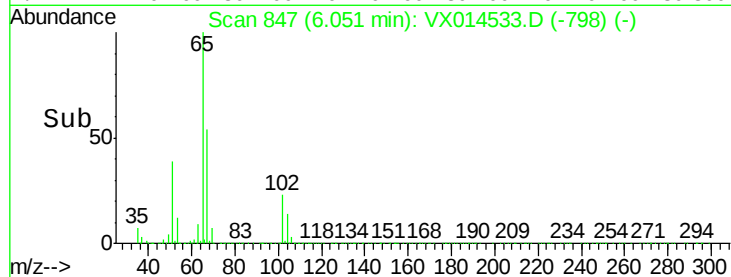
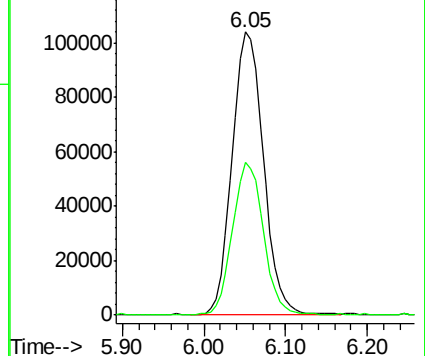
65 100

67 52.7 0.0 106.2



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

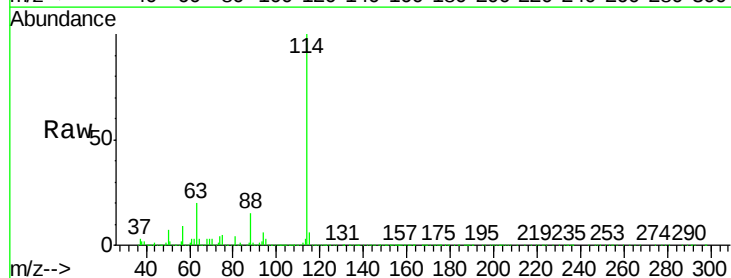
Tgt Ion: 114 Resp: 759477

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

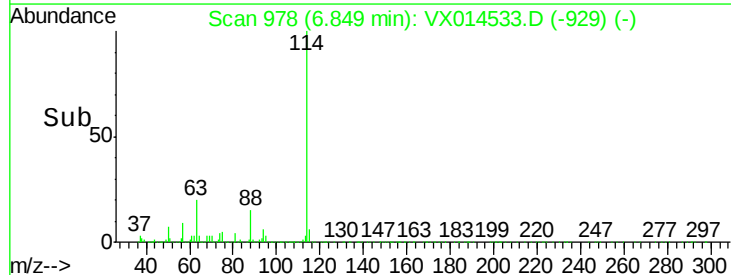
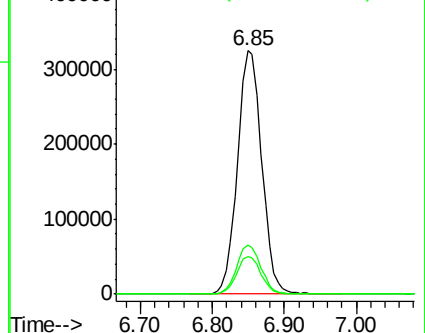
88 15.4 0.0 30.8

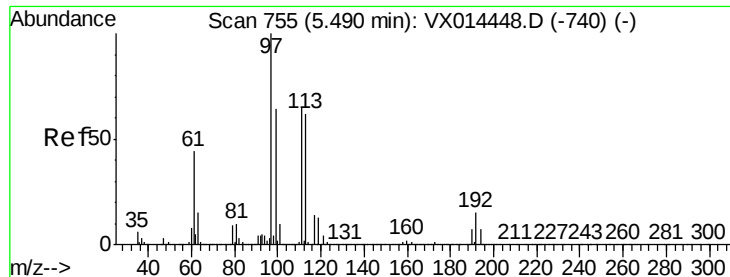


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.516 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampled :

TB

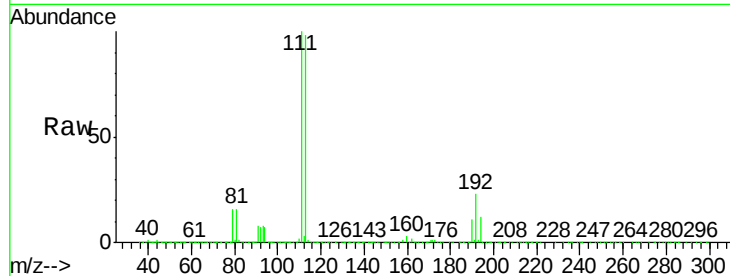
Tgt Ion:113 Resp: 223050

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

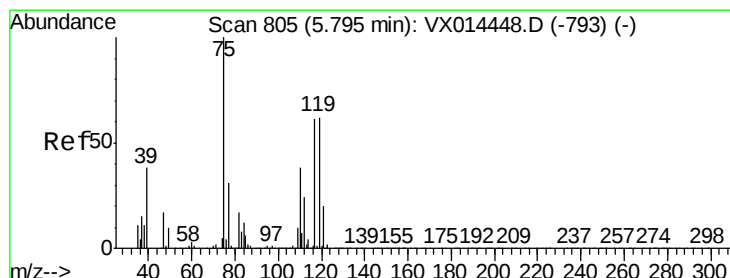
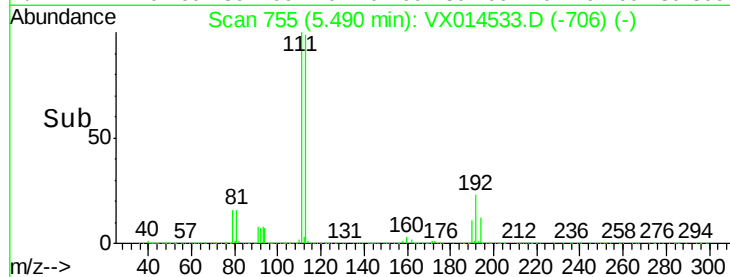
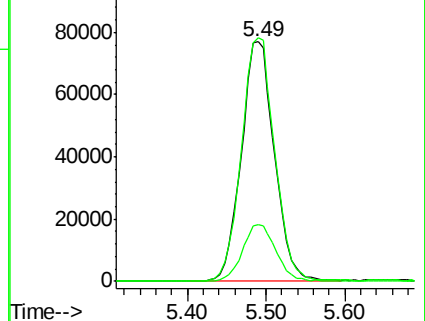
192 24.1 19.2 28.8



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: 4.746 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

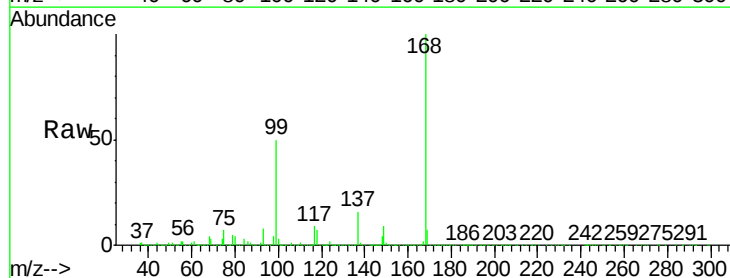
Tgt Ion: 75 Resp: 33896

Ion Ratio Lower Upper

75 100

110 11.6 18.6 55.8#

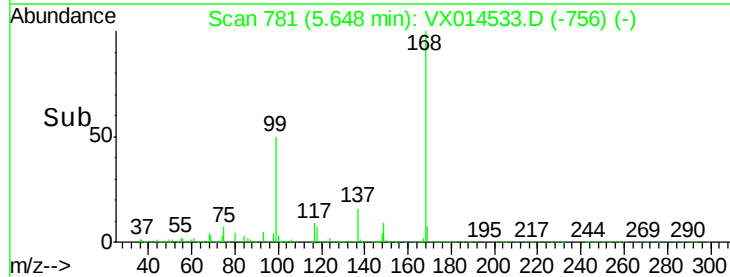
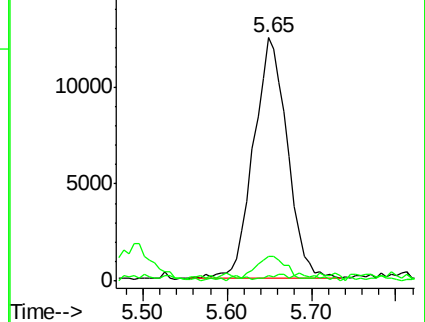
77 1.2 24.5 36.7#

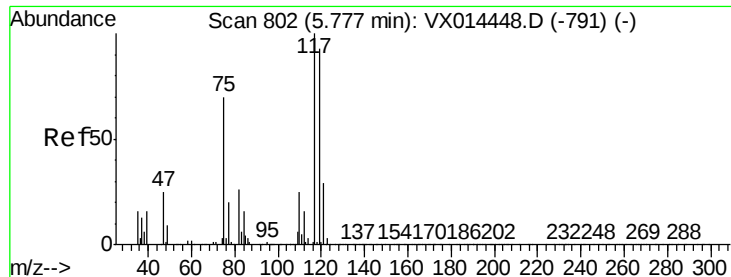


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.828 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampled :

TB

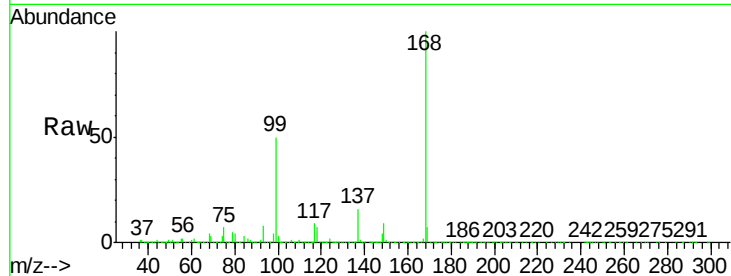
Tgt Ion:117 Resp: 44874

Ion Ratio Lower Upper

117 100

119 5.0 73.8 110.8#

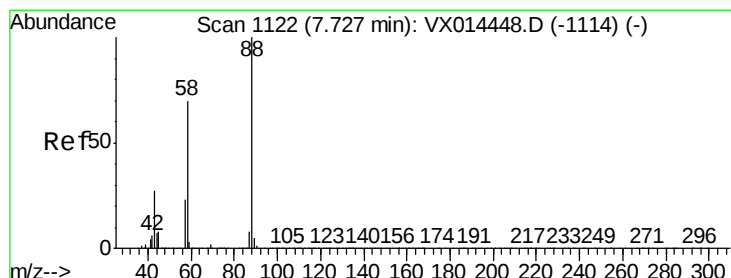
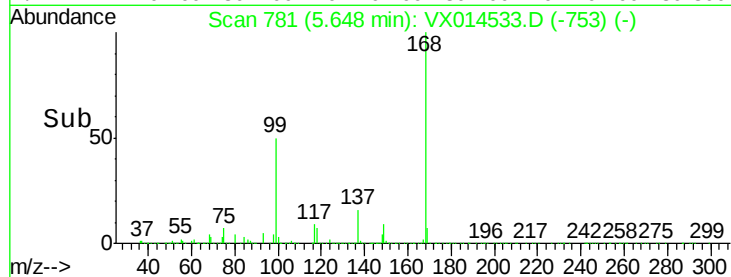
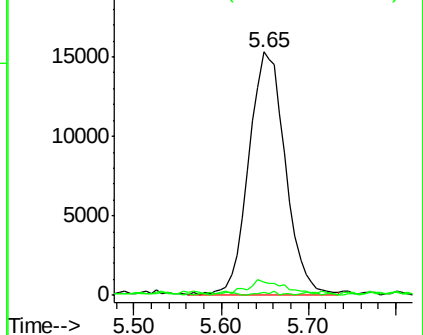
121 1.1 23.4 35.0#



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: 7.383 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

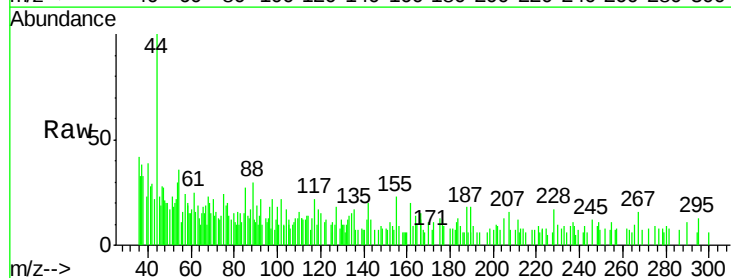
Tgt Ion: 88 Resp: 939

Ion Ratio Lower Upper

88 100

43 4.4 27.4 41.0#

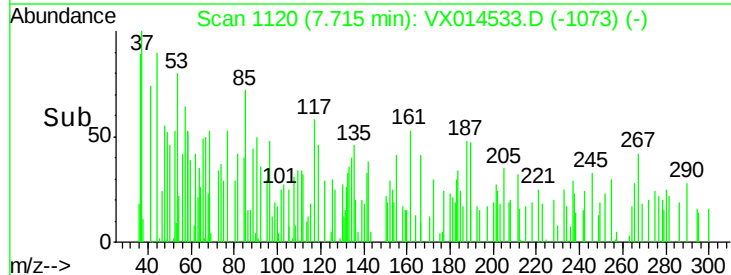
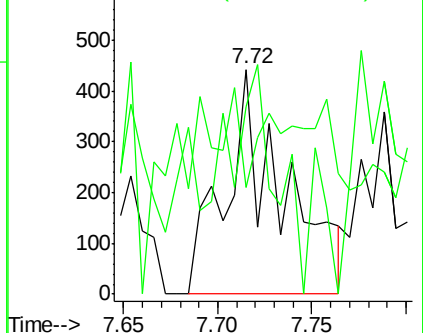
58 79.8 57.1 85.7

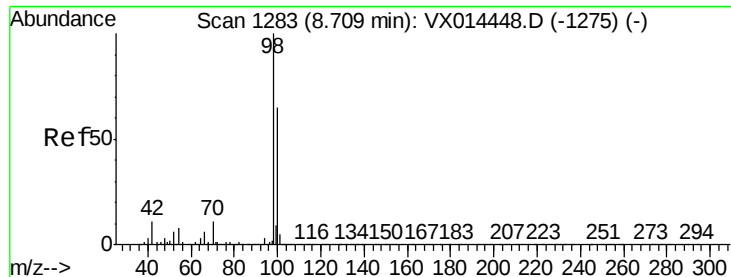


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

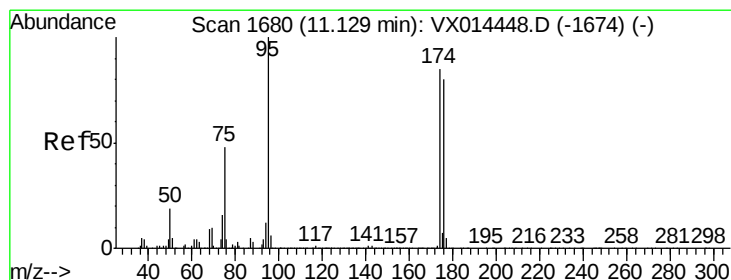
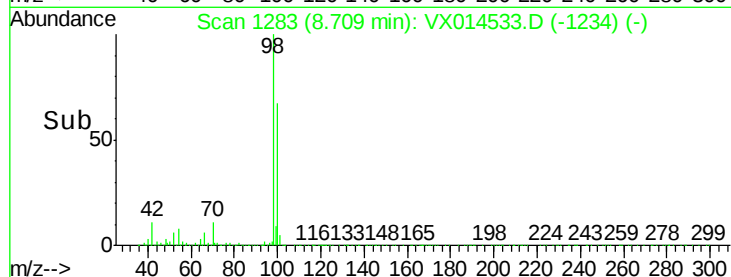
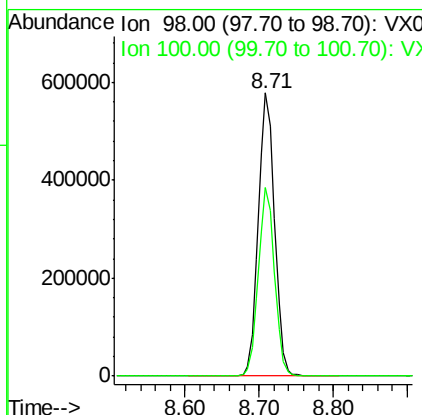
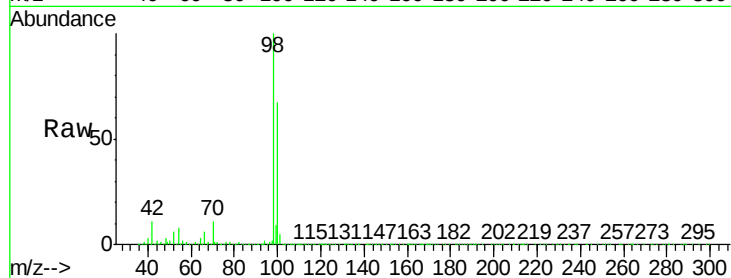




#50
Toluene-d8
Concen: 49.969 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014533.D
Acq: 10 Jan 2020 13:39

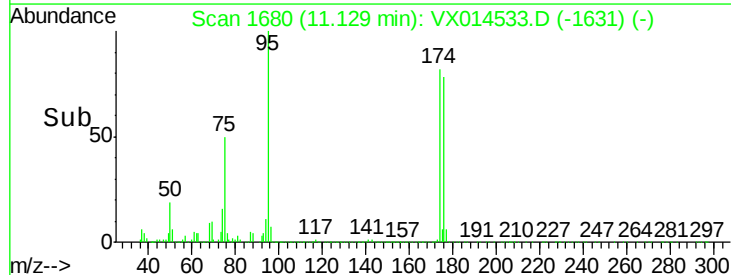
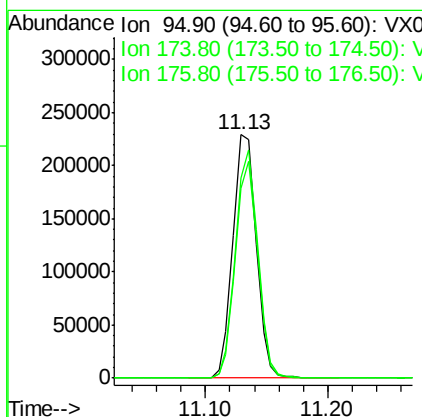
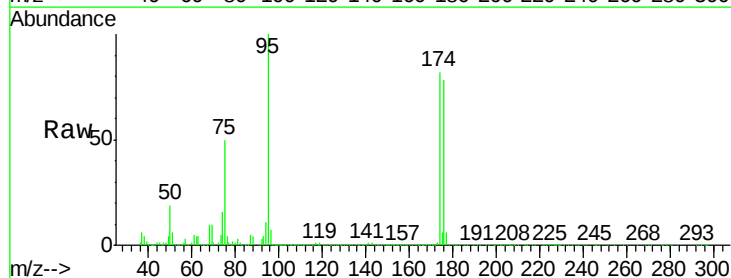
Instrument :
MSVOA_X
ClientSampleId :
TB

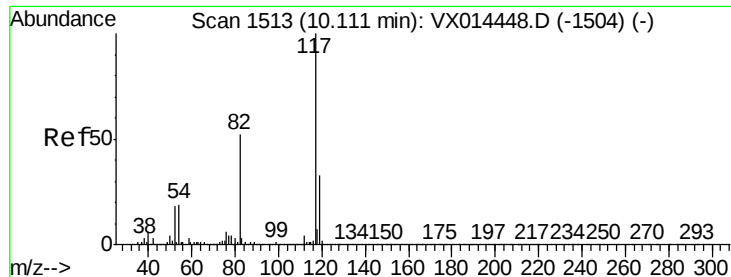
Tgt Ion: 98 Resp: 891497
Ion Ratio Lower Upper
98 100
100 66.0 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 46.204 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014533.D
Acq: 10 Jan 2020 13:39

Tgt Ion: 95 Resp: 302622
Ion Ratio Lower Upper
95 100
174 89.9 0.0 180.8
176 85.3 0.0 172.8

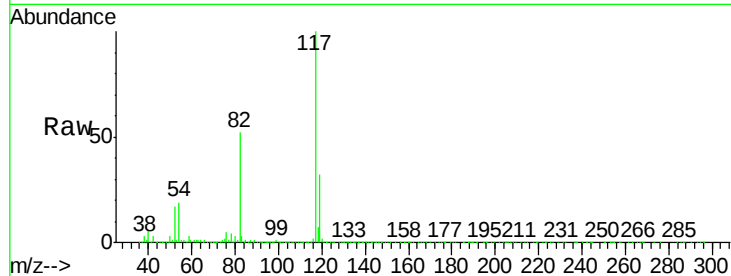




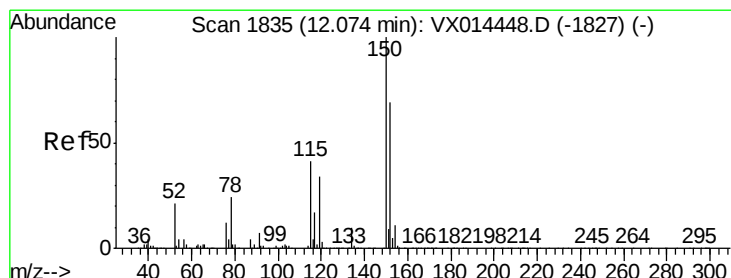
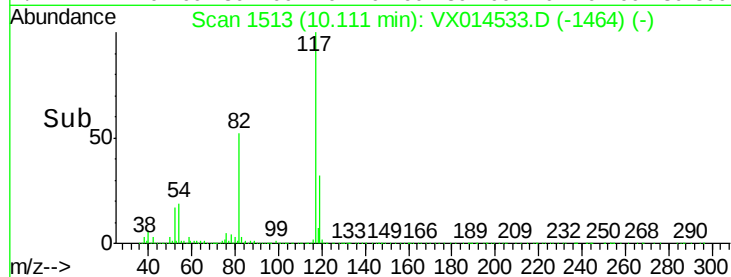
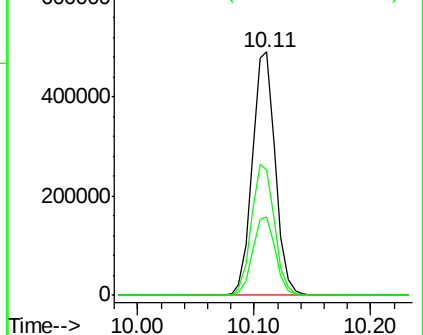
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014533.D
Acq: 10 Jan 2020 13:39

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:117 Resp: 672729
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.6
119 31.9 26.2 39.4

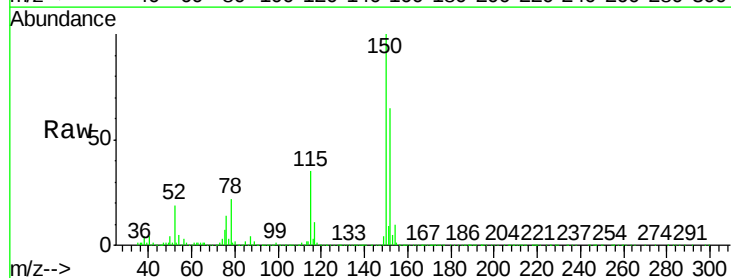


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

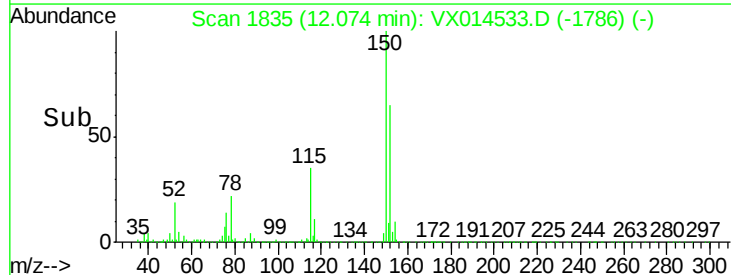
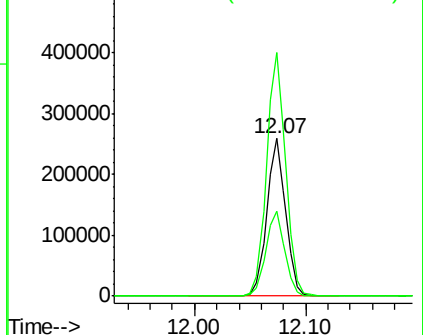


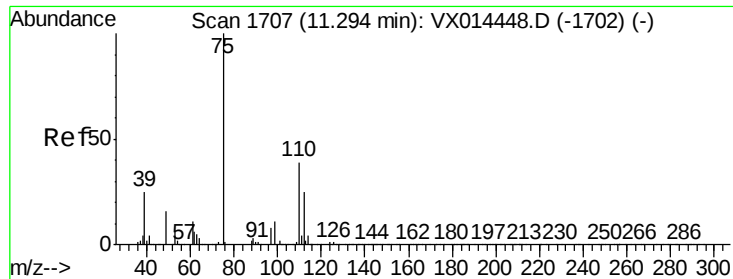
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014533.D
Acq: 10 Jan 2020 13:39

Tgt Ion:152 Resp: 306974
Ion Ratio Lower Upper
152 100
115 54.5 39.5 118.3
150 156.5 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.173 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

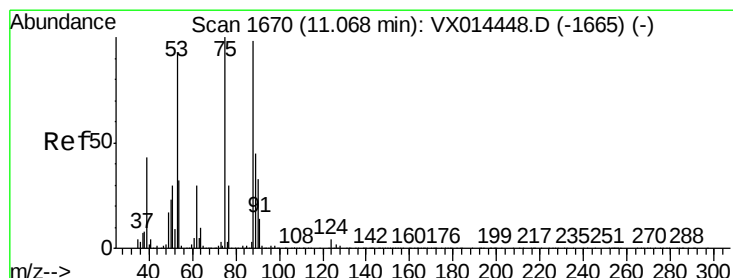
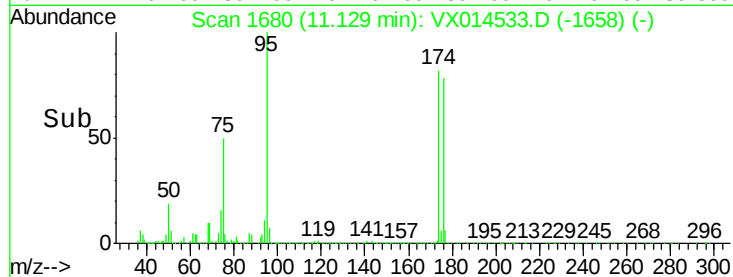
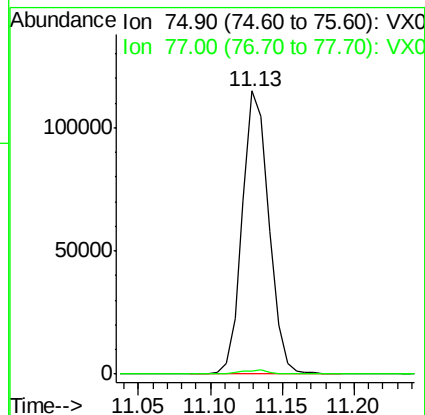
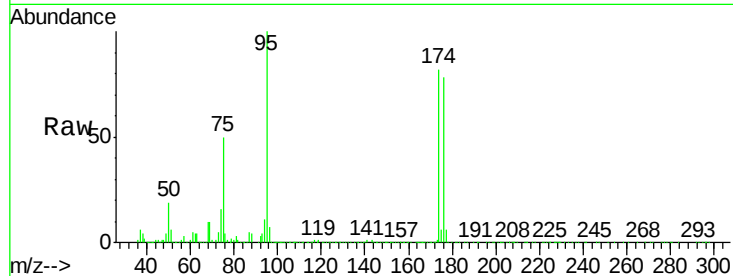
TB

Tgt Ion: 75 Resp: 147177

Ion Ratio Lower Upper

75 100

77 1.5 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.264 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

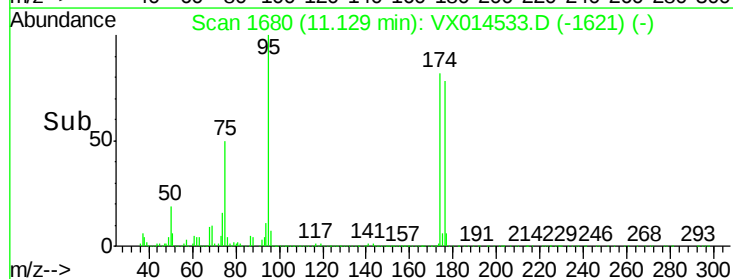
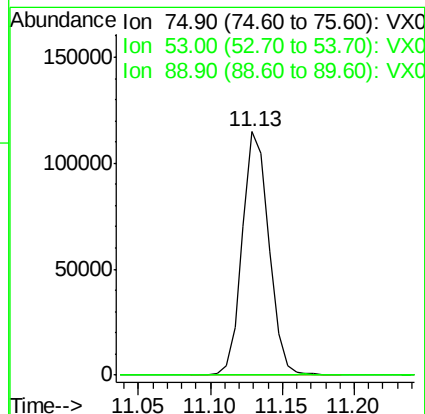
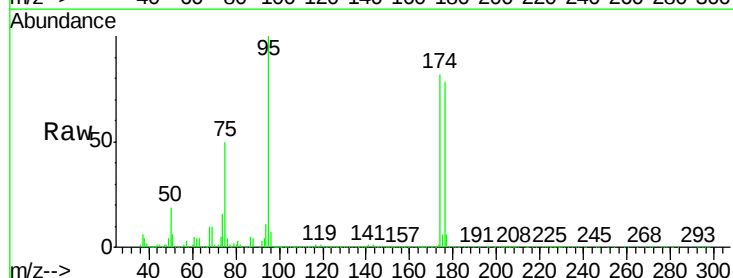
Tgt Ion: 75 Resp: 147177

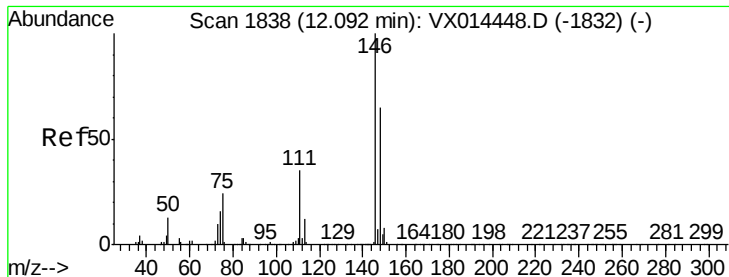
Ion Ratio Lower Upper

75 100

53 0.5 74.8 112.2#

89 0.1 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.09 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

TB

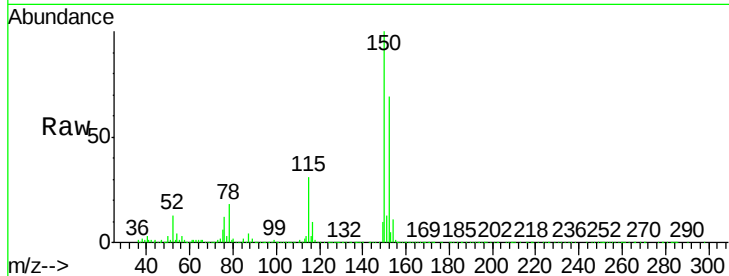
Tgt Ion:146 Resp: 649

Ion Ratio Lower Upper

146 100

111 665.0 18.1 54.1#

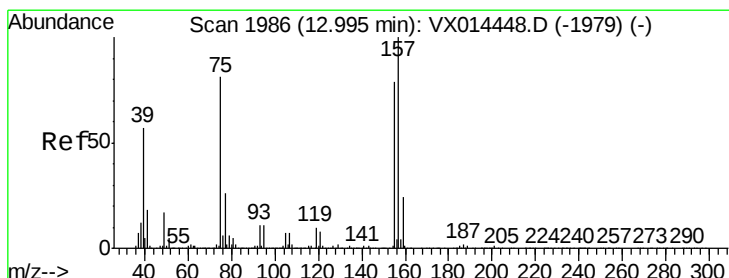
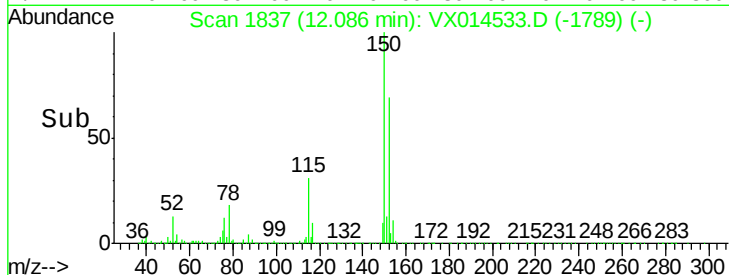
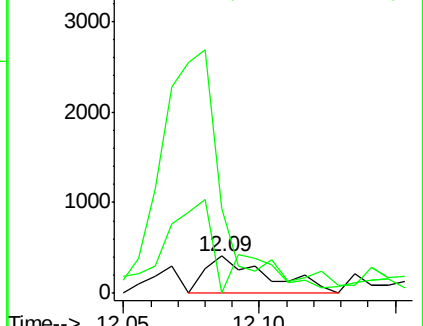
148 210.6 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.410 ug/l

RT: 13.06 min Scan# 1996

Delta R.T. 0.06 min

Lab File: VX014533.D

Acq: 10 Jan 2020 13:39

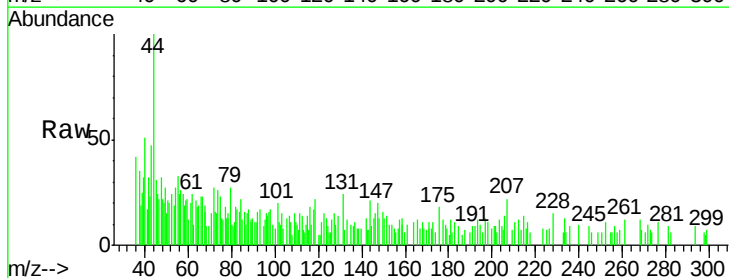
Tgt Ion: 75 Resp: 637

Ion Ratio Lower Upper

75 100

155 74.1 48.7 146.1

157 64.1 62.0 185.9



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

