

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012756.D
 Acq On : 02 Oct 2019 13:18
 Operator : JC/SP
 Sample : K5082-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 03 01:30:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	323450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	273317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107296	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	130554	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	5.49	113	97380	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	8.71	98	378605	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.13	95	127587	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

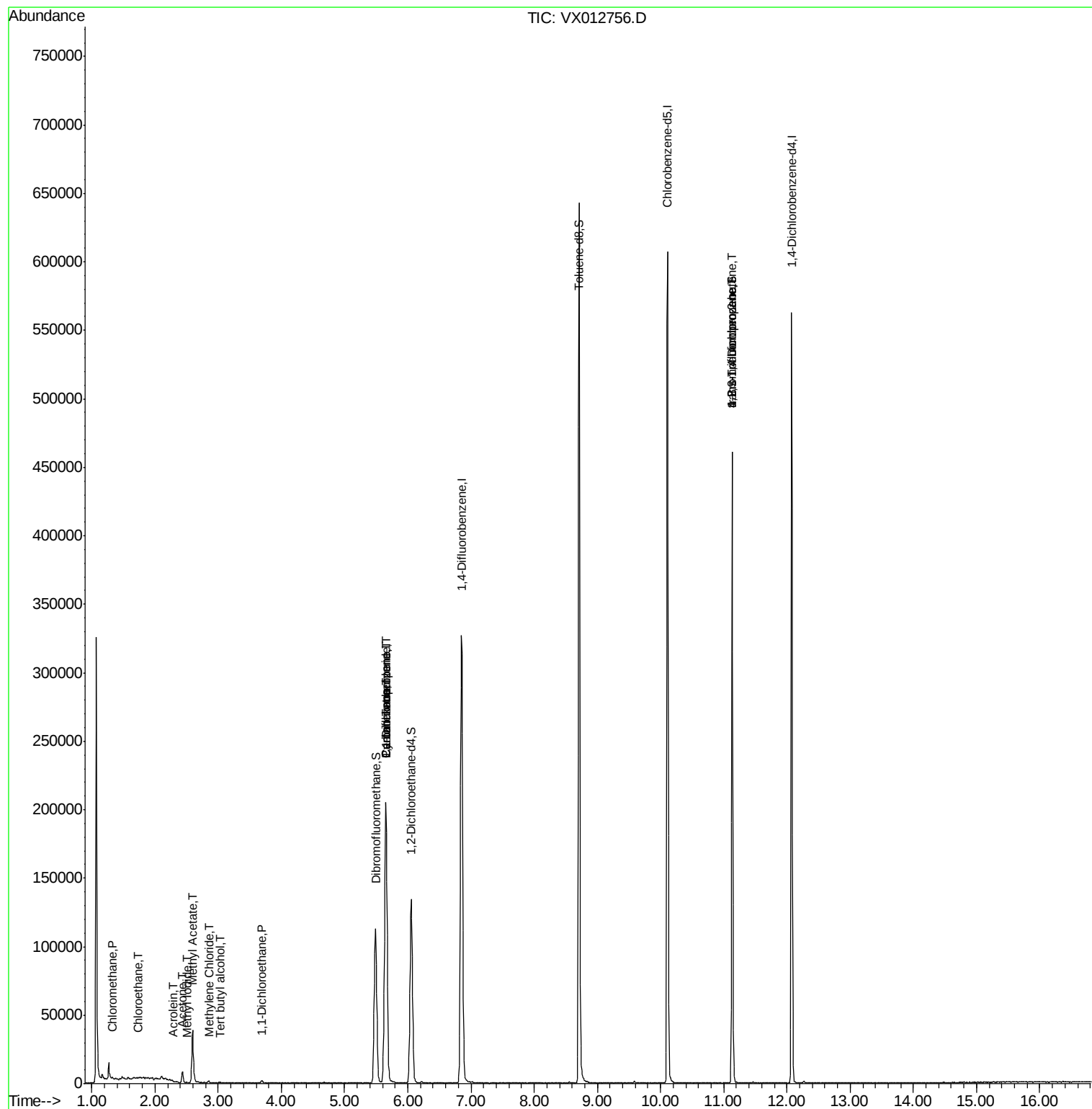
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	604	0.252	ug/l	91
6) Chloroethane	1.73	64	324	0.202	ug/l	97
10) Methyl Iodide	2.50	142	177	5.027	ug/l #	35
11) Tert butyl alcohol	3.03	59	671	0.994	ug/l	99
13) Acrolein	2.29	56	181	10.695	ug/l #	18
16) Acetone	2.44	43	8933	6.241	ug/l	96
18) Methyl Acetate	2.59	43	11023	3.271	ug/l #	54
20) Methylene Chloride	2.84	84	612	0.253	ug/l #	85
24) 1,1-Dichloroethane	3.69	63	2064	0.496	ug/l #	90
31) Cyclohexane	5.65	56	4295	1.142	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15227	4.884	ug/l #	52
38) Carbon Tetrachloride	5.65	117	20121	6.353	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	65649	23.130	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	65649	66.286	ug/l #	8

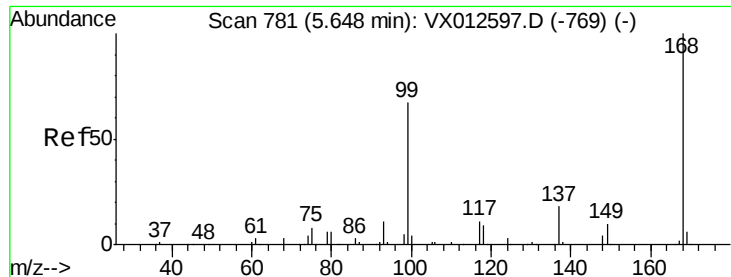
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012756.D

Acq: 02 Oct 2019 13:18

Instrument :

MSVOA_X

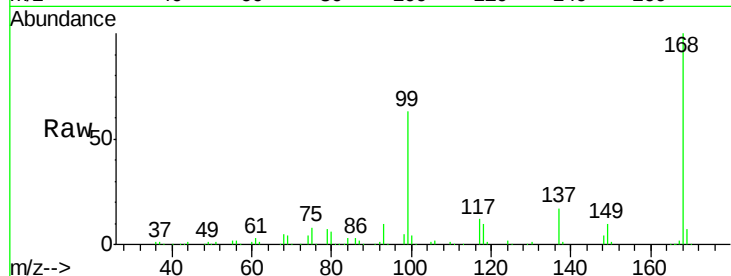
ClientSampleId :

Tot Ion:168 Resp: 185565

Ion Ratio Lower Upper

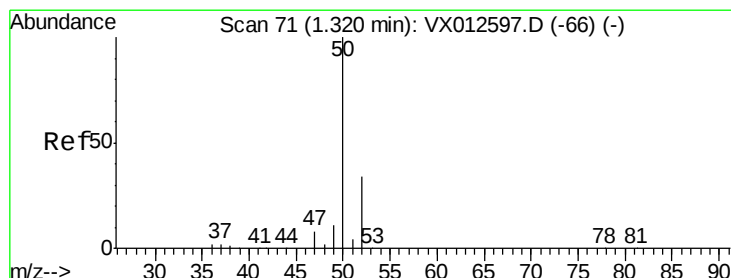
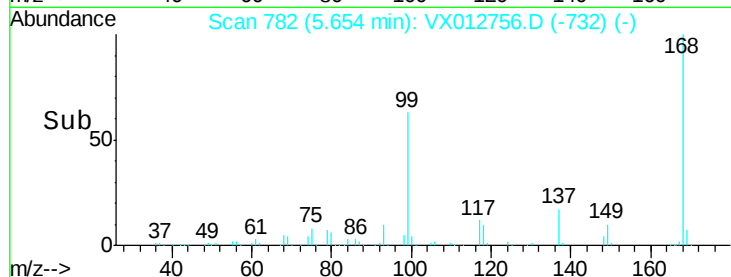
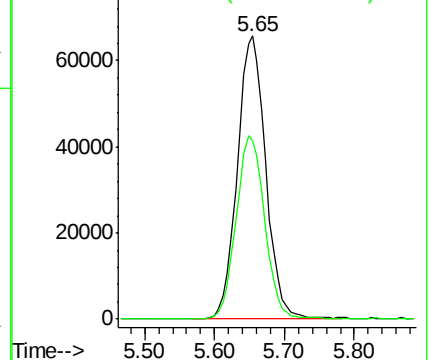
168 100

99 63.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012756.D

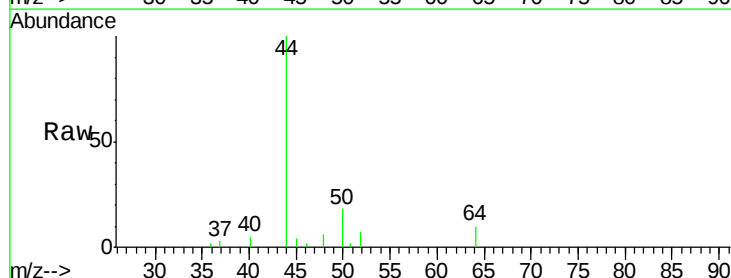
Acq: 02 Oct 2019 13:18

Tgt Ion: 50 Resp: 604

Ion Ratio Lower Upper

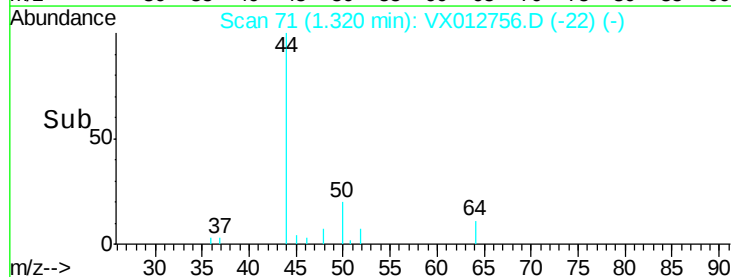
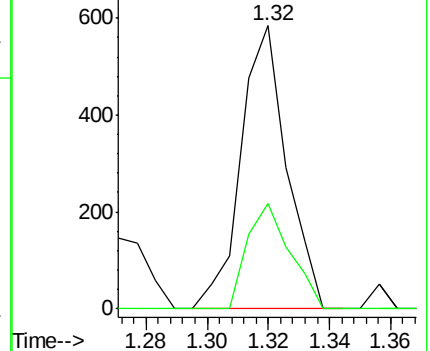
50 100

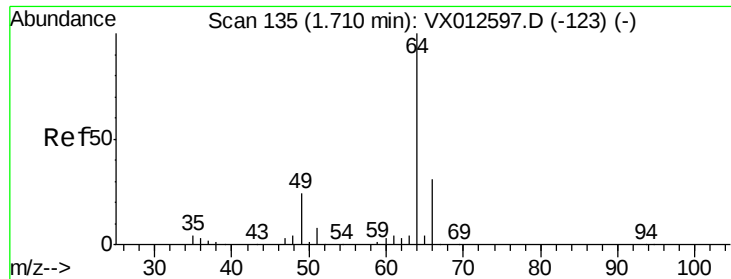
52 37.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.202 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012756.D

Acq: 02 Oct 2019 13:18

Instrument :

MSVOA_X

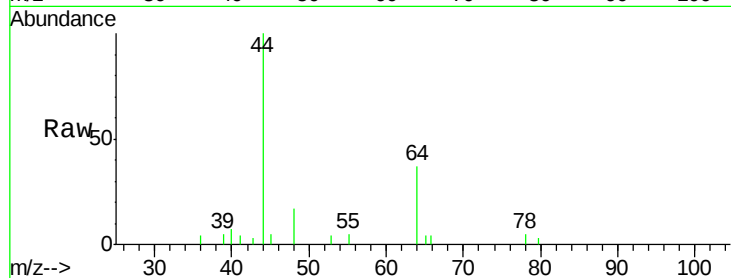
ClientSampled :

Tot Ion: 64 Resp: 324

Ion Ratio Lower Upper

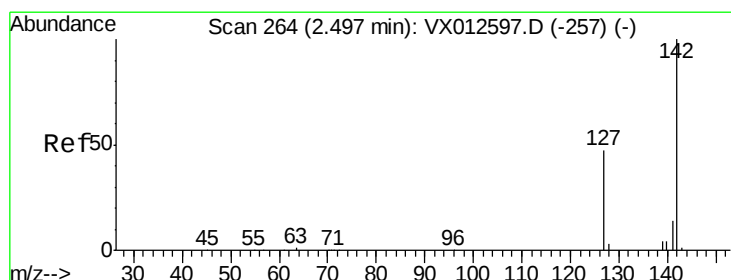
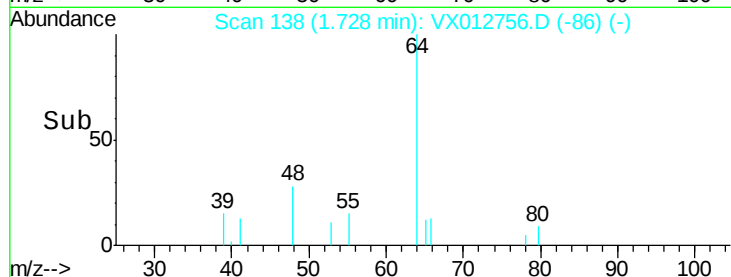
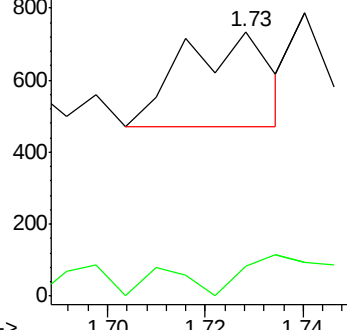
64 100

66 31.4 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.027 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012756.D

Acq: 02 Oct 2019 13:18

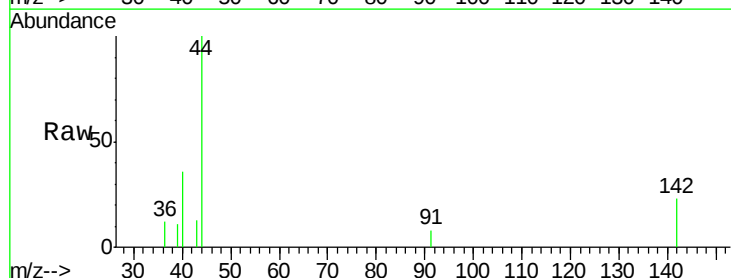
Tgt Ion: 142 Resp: 177

Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

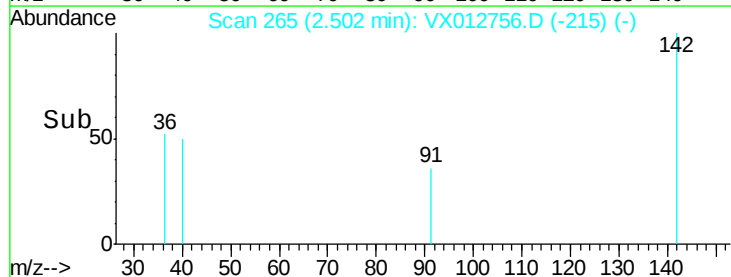
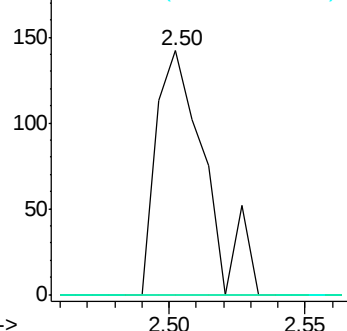
141 0.0 12.1 18.1#

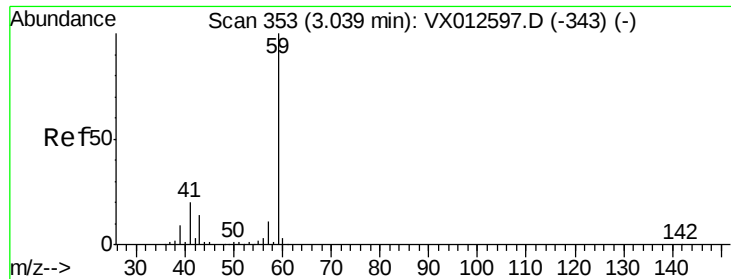


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



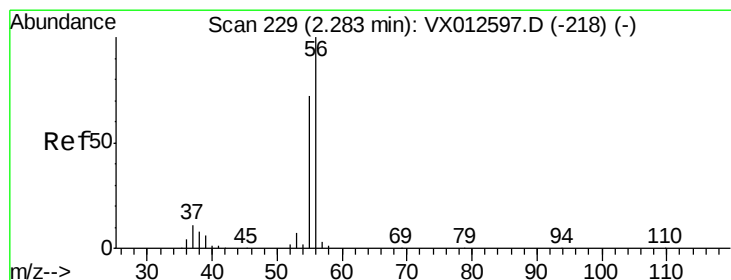
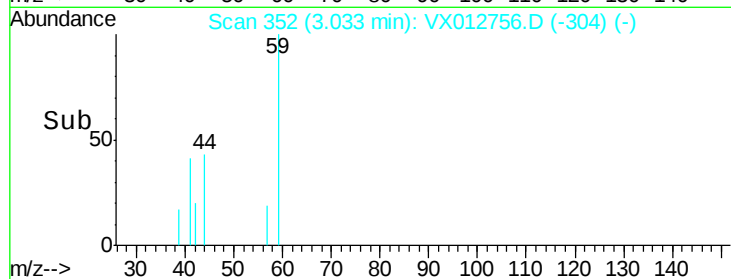
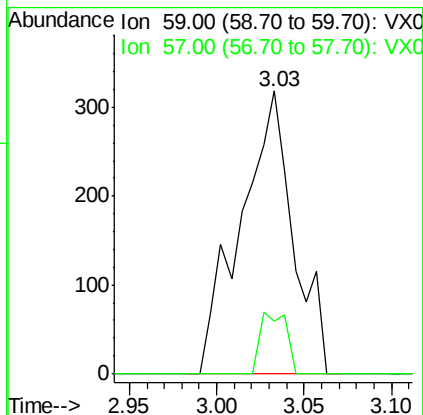
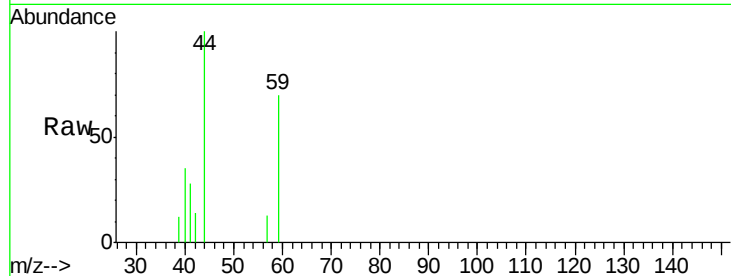


#11

Tert butyl alcohol
 Concen: 0.994 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012756.D
 Acq: 02 Oct 2019 13:18

Instrument :
 MSVOA_X
 ClientSampled :

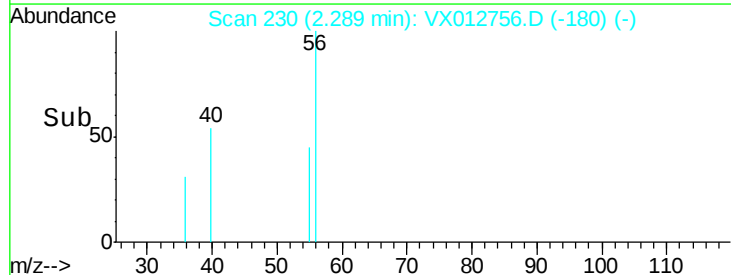
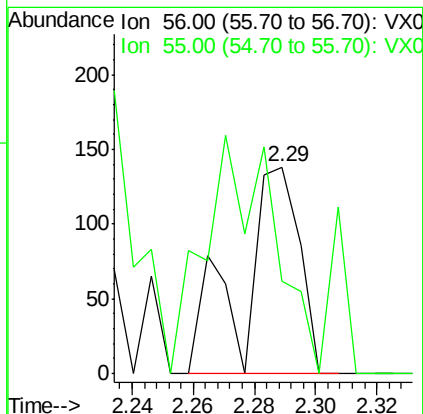
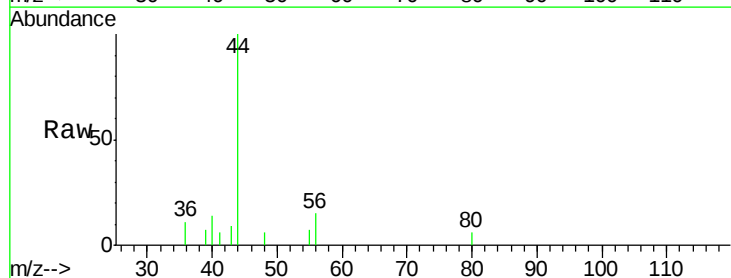
Tot Ion: 59 Resp: 671
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.3 12.5

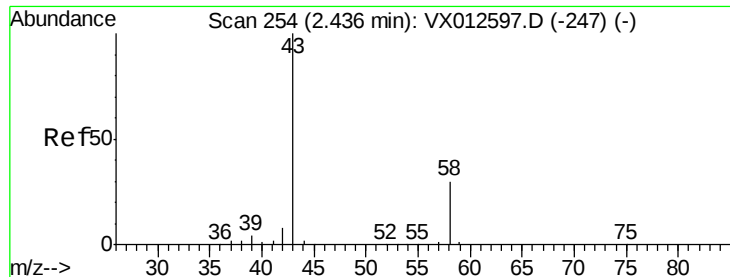


#13

Acrolein
 Concen: 10.695 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX012756.D
 Acq: 02 Oct 2019 13:18

Tgt Ion: 56 Resp: 181
 Ion Ratio Lower Upper
 56 100
 55 137.0 55.8 83.8#





#16

Acetone

Concen: 6.241 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012756.D

Acq: 02 Oct 2019 13:18

Instrument :

MSVOA_X

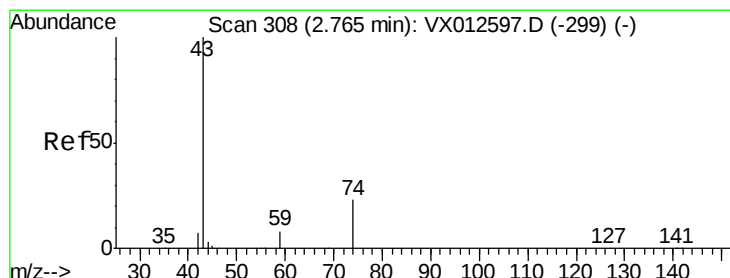
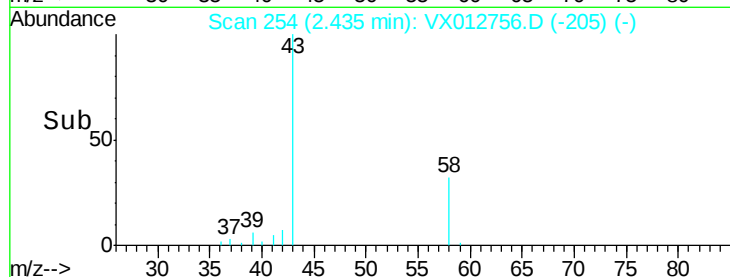
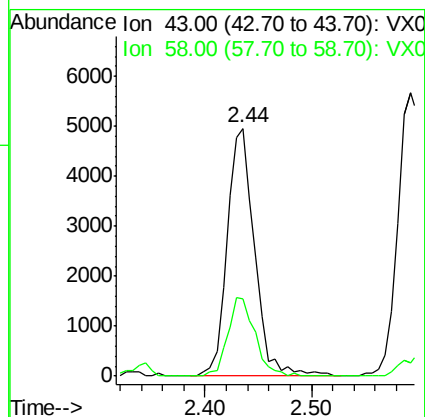
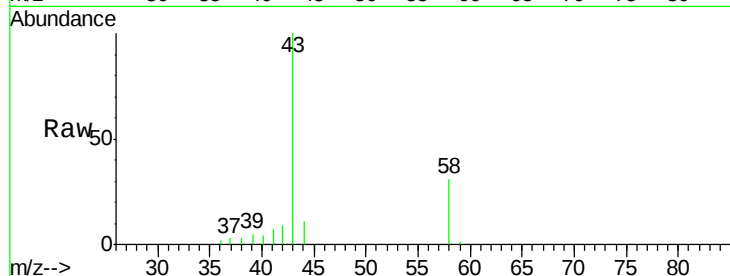
ClientSampled :

Tot Ion: 43 Resp: 8933

Ion Ratio Lower Upper

43 100

58 31.3 23.3 34.9



#18

Methyl Acetate

Concen: 3.271 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012756.D

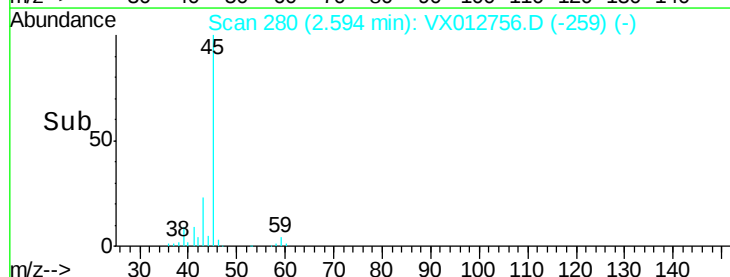
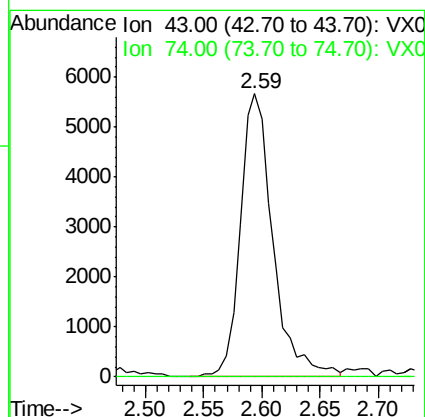
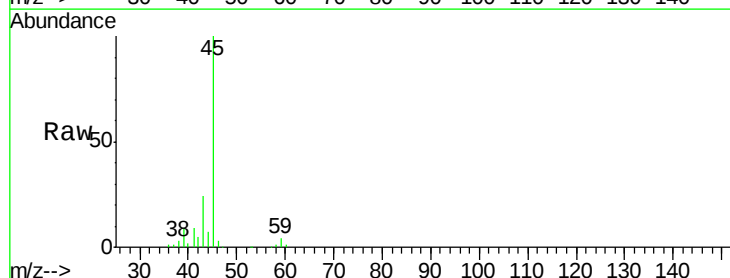
Acq: 02 Oct 2019 13:18

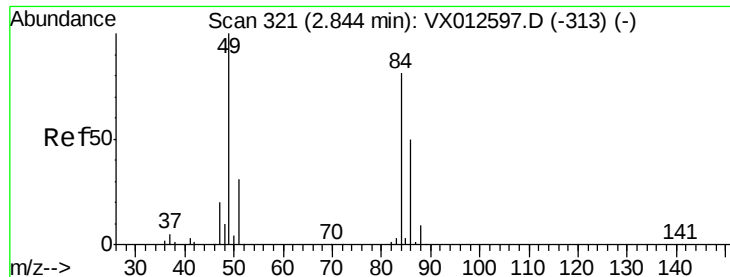
Tgt Ion: 43 Resp: 11023

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#

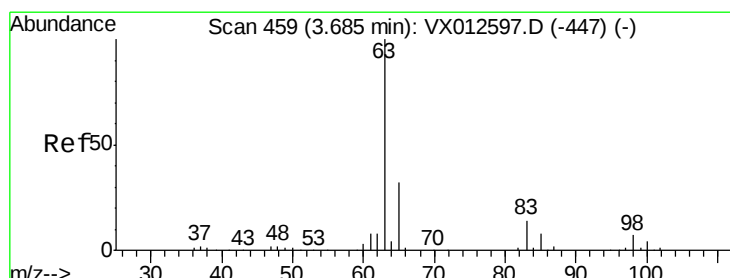
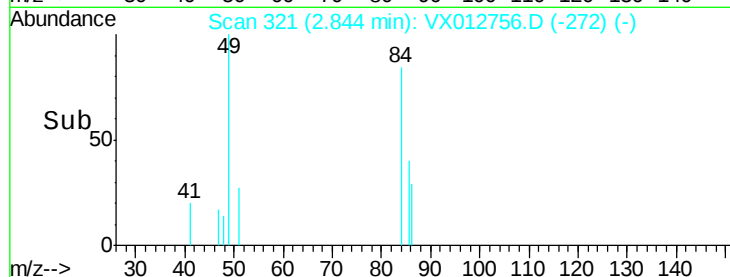
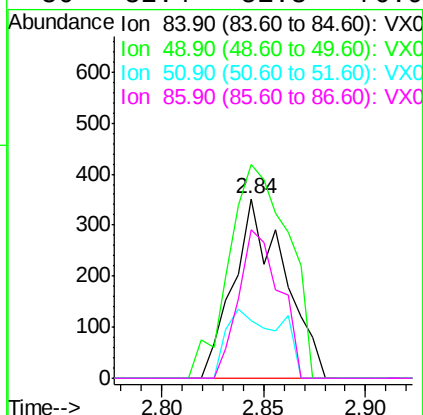
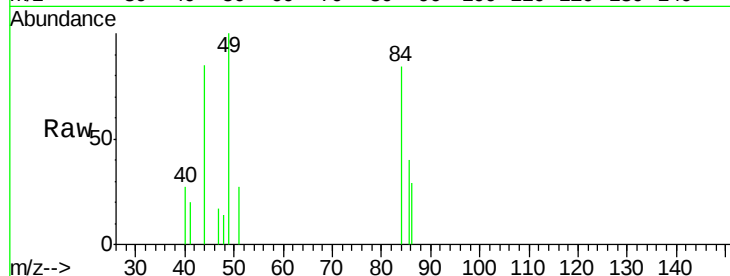




#20
Methvlene Chloride
Concen: 0.253 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012756.D
Acq: 02 Oct 2019 13:18

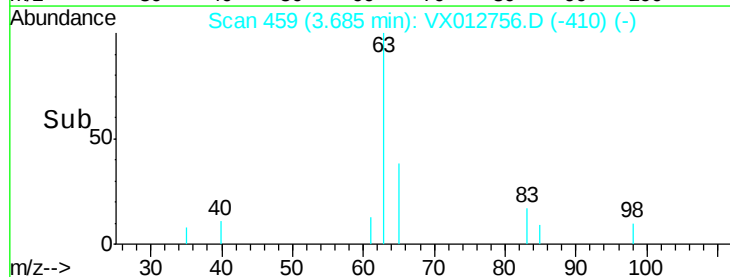
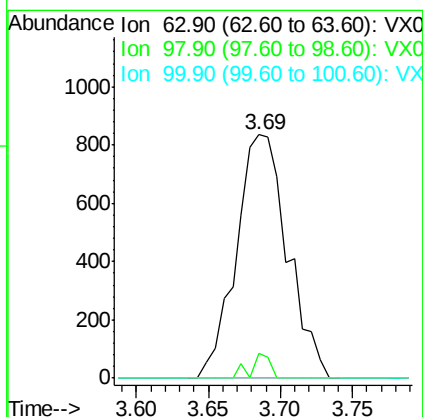
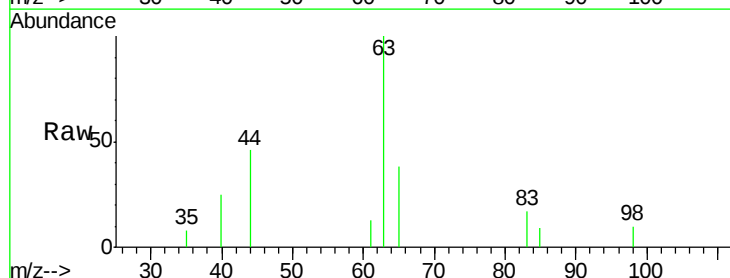
Instrument :
MSVOA_X
ClientSampleId :

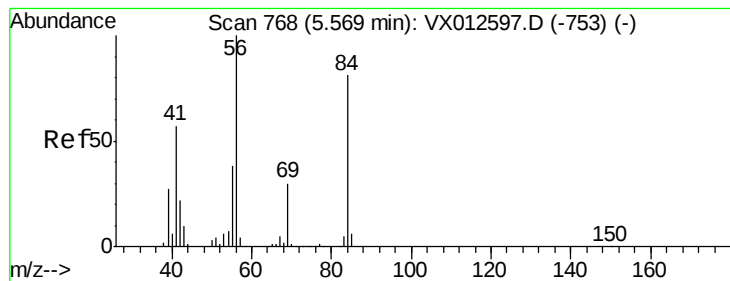
Tot Ion: 84 Resp: 612
Ion Ratio Lower Upper
84 100
49 119.0 106.8 160.2
51 31.8 32.3 48.5#
86 82.4 51.3 76.9#



#24
1,1-Dichloroethane
Concen: 0.496 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.00 min
Lab File: VX012756.D
Acq: 02 Oct 2019 13:18

Tgt Ion: 63 Resp: 2064
Ion Ratio Lower Upper
63 100
98 10.4 3.9 11.7
100 0.0 2.3 6.9#





#31

Cyclohexane

Concen: 1.142 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012756.D

Acq: 02 Oct 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

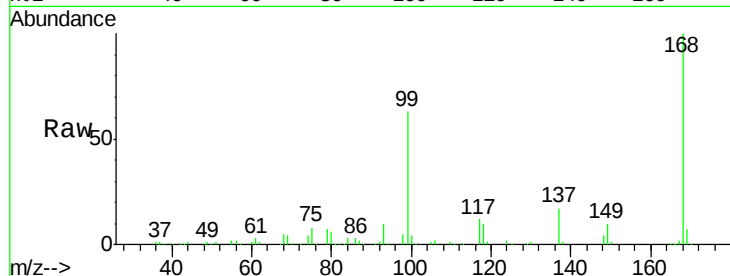
Tot Ion: 56 Resp: 4295

Ion Ratio Lower Upper

56 100

69 161.6 25.0 37.6#

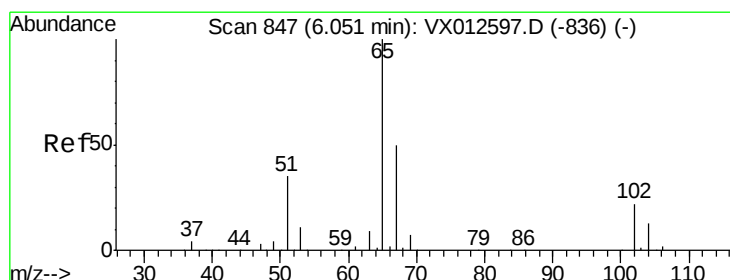
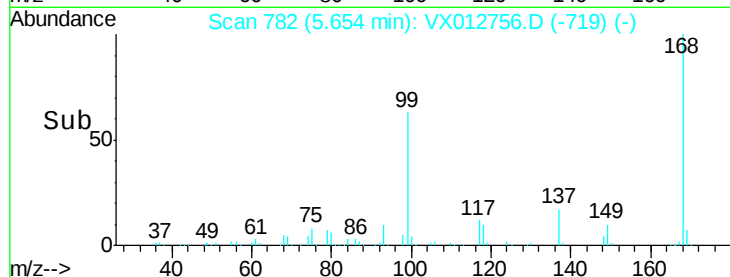
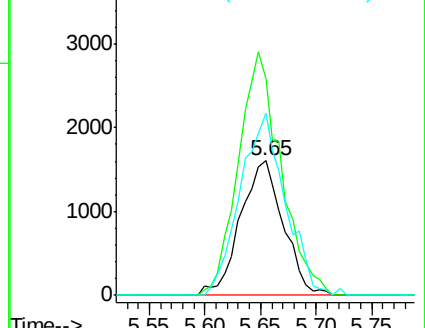
84 135.5 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.314 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012756.D

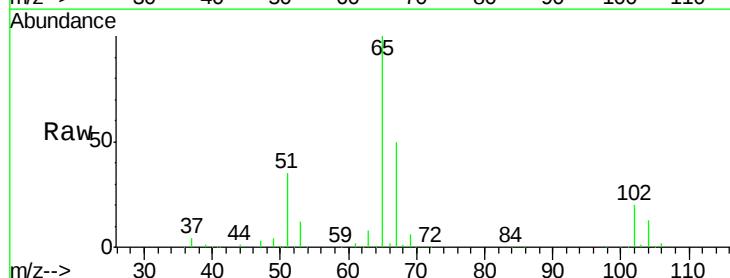
Acq: 02 Oct 2019 13:18

Tgt Ion: 65 Resp: 130554

Ion Ratio Lower Upper

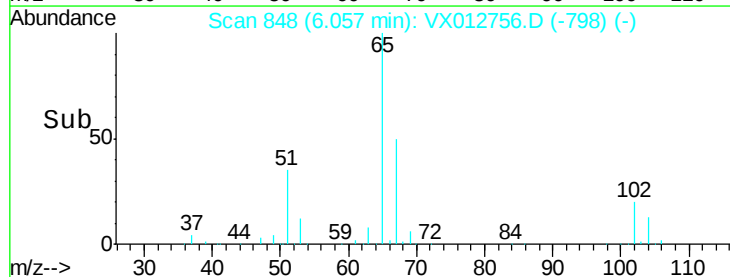
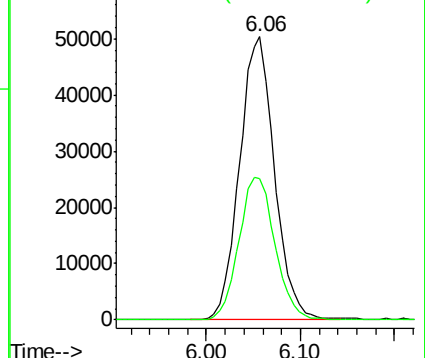
65 100

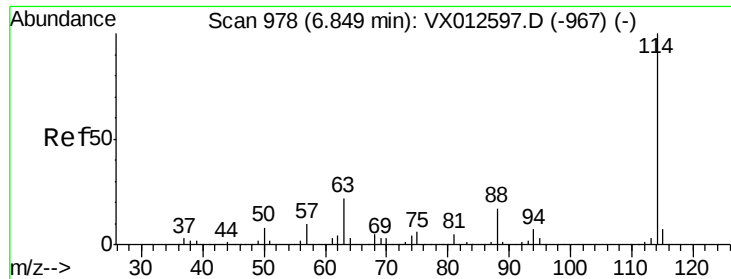
67 52.1 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

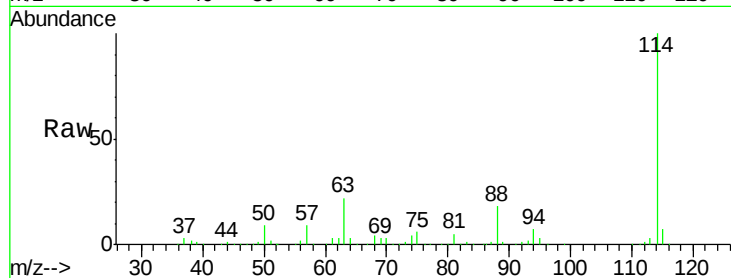




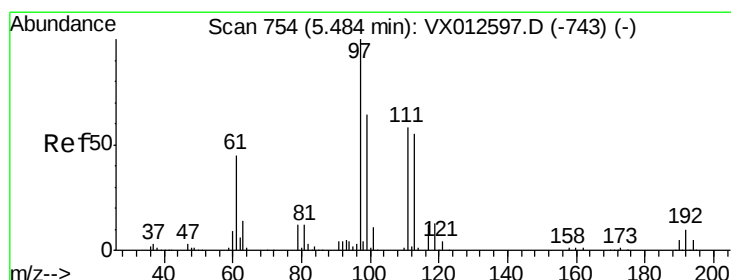
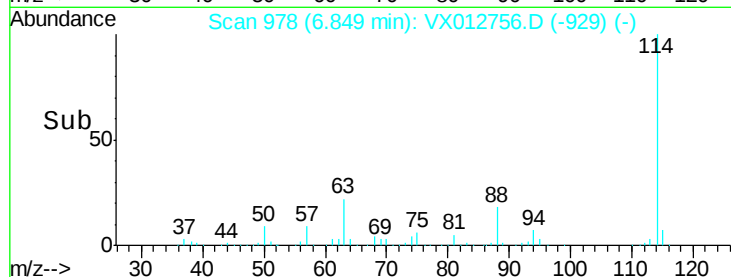
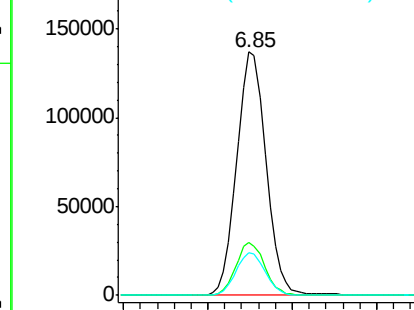
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX012756.D
Acq: 02 Oct 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 323450
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.2
88 17.6 0.0 33.2

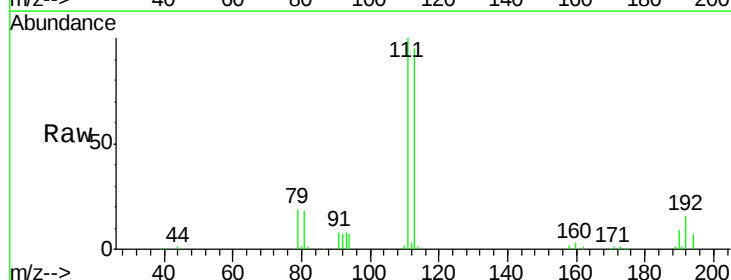


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

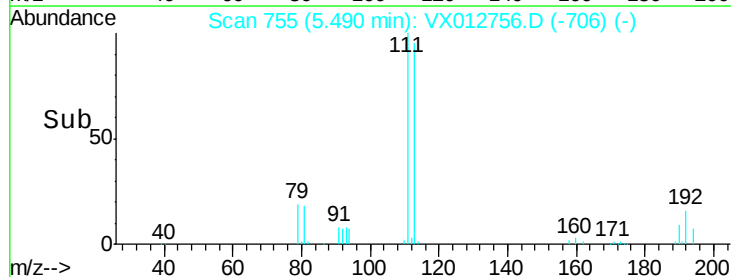
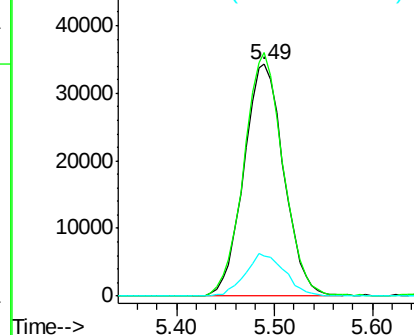


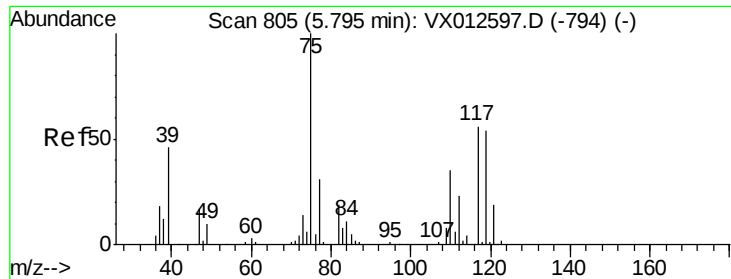
#35
Dibromofluoromethane
Concen: 50.553 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX012756.D
Acq: 02 Oct 2019 13:18

Tgt Ion:113 Resp: 97380
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 18.0 14.4 21.6



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

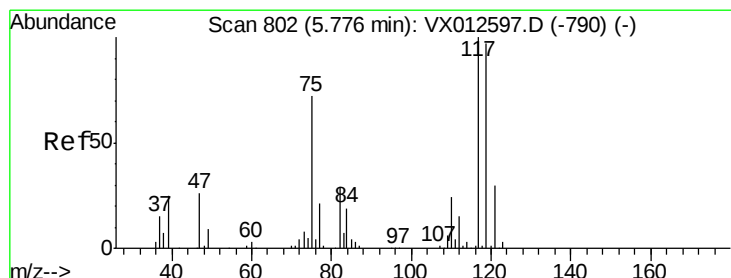
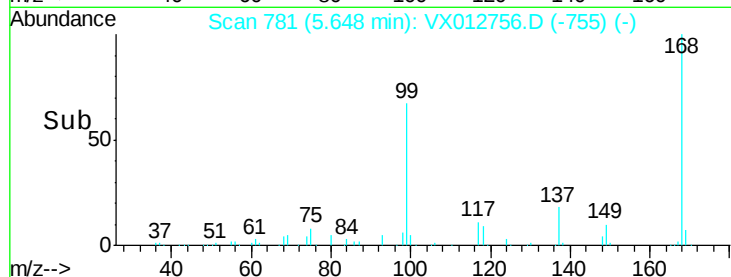
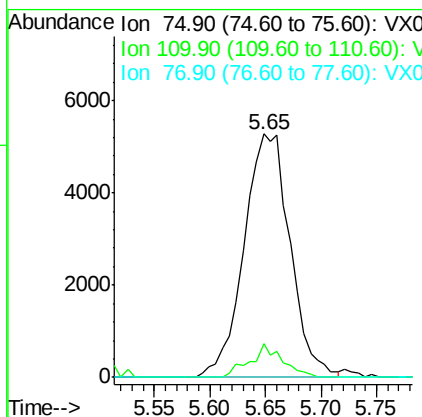
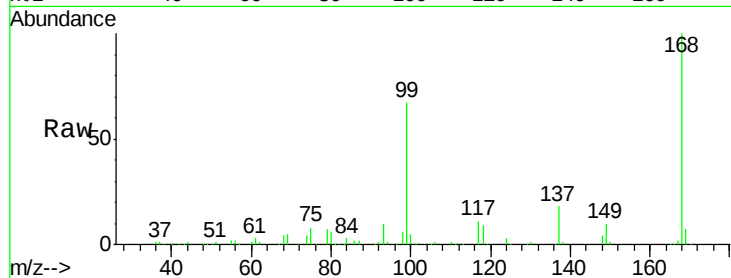




#36
 1,1-Dichloropropene
 Concen: 4.884 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012756.D
 Acq: 02 Oct 2019 13:18

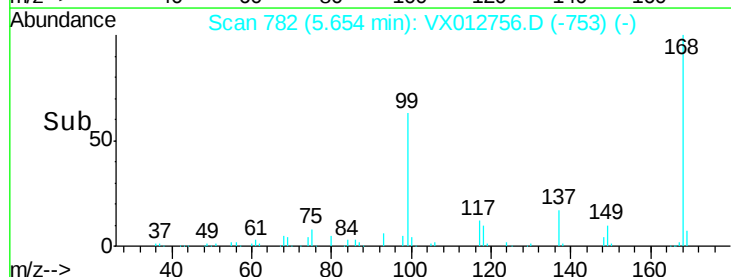
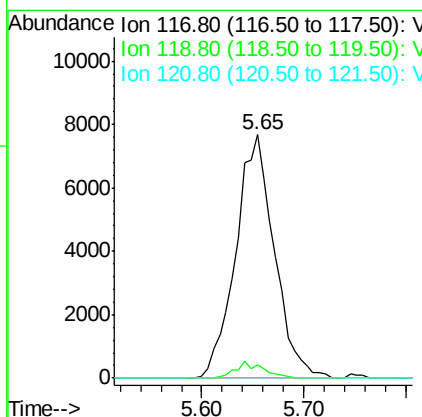
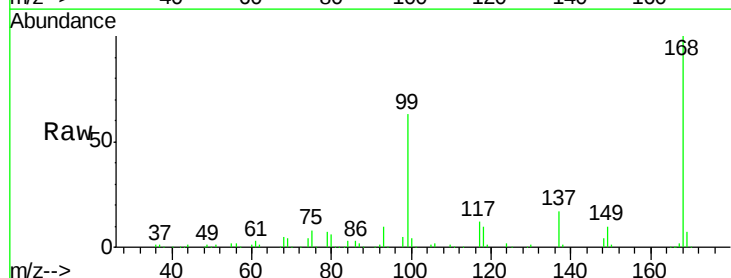
Instrument :
 MSVOA_X
 ClientSampleId :

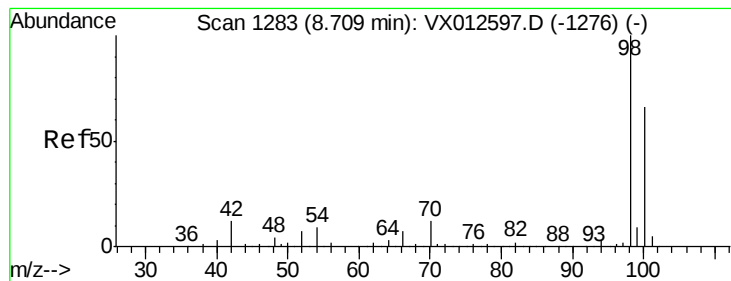
Tot Ion: 75 Resp: 15227
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.353 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012756.D
 Acq: 02 Oct 2019 13:18

Tgt Ion: 117 Resp: 20121
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.7 113.5#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 51.037 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012756.D

Acq: 02 Oct 2019 13:18

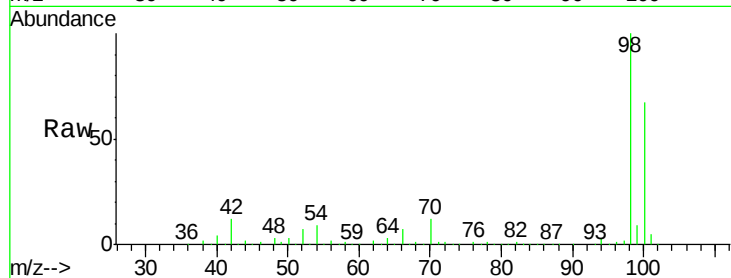
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 378605

Ion Ratio Lower Upper

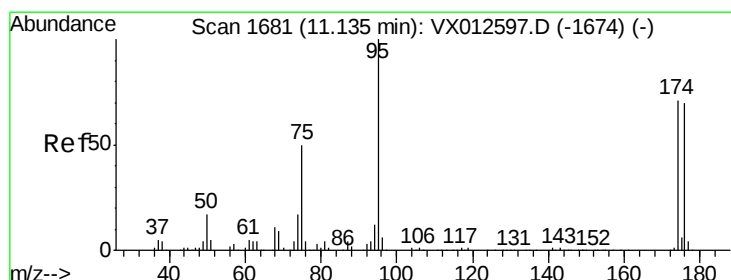
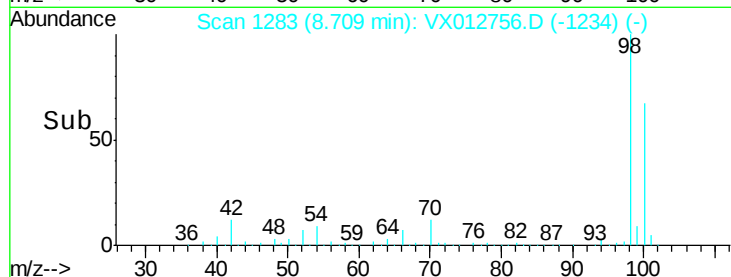
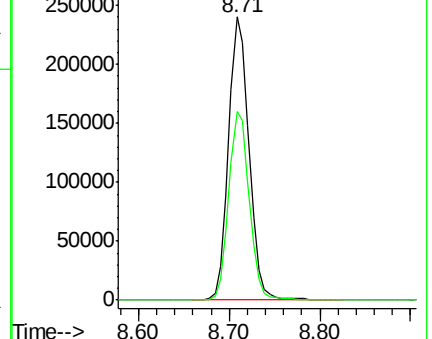
98 100

100 67.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.741 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012756.D

Acq: 02 Oct 2019 13:18

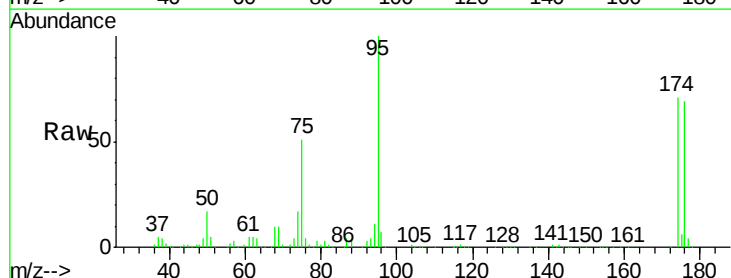
Tgt Ion: 95 Resp: 127587

Ion Ratio Lower Upper

95 100

174 70.6 0.0 140.0

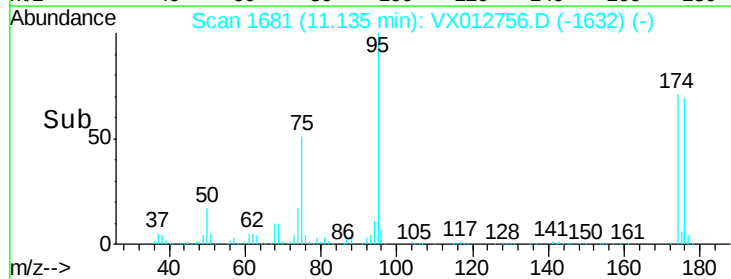
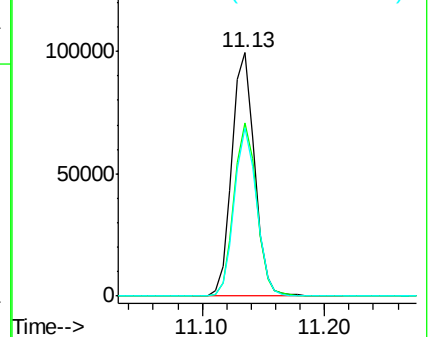
176 68.2 0.0 135.4

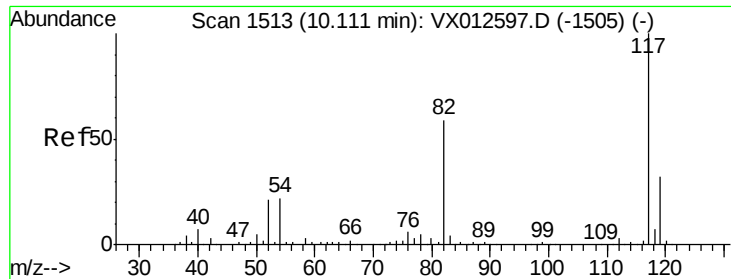


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012756.D

Acq: 02 Oct 2019 13:18

Instrument :

MSVOA_X

ClientSampled :

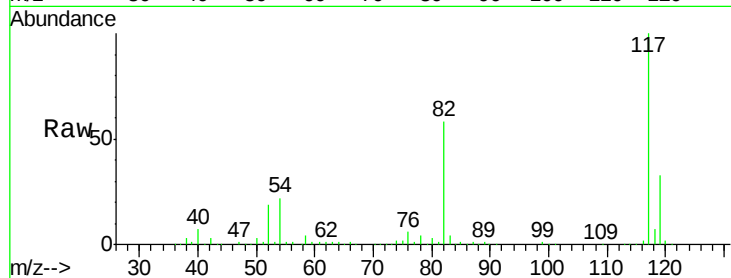
Tot Ion:117 Resp: 273317

Ion Ratio Lower Upper

117 100

82 58.1 45.9 68.9

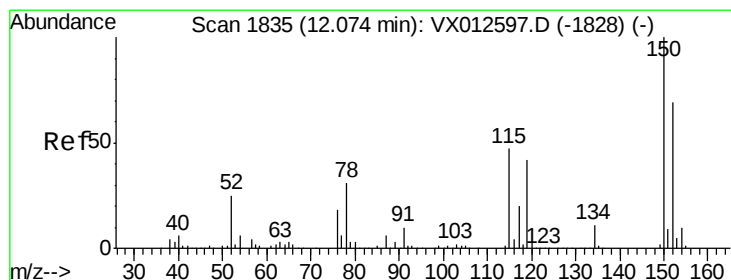
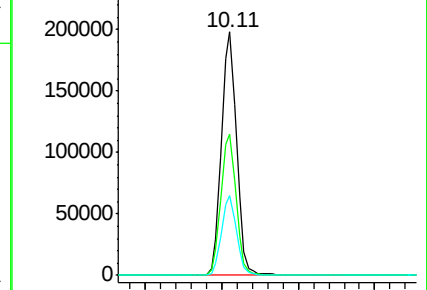
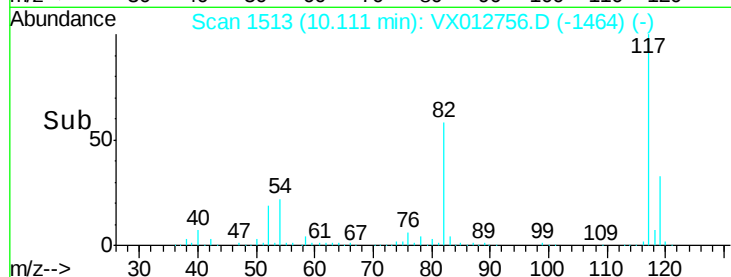
119 32.9 25.3 37.9



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: VX012756.D

Acq: 02 Oct 2019 13:18

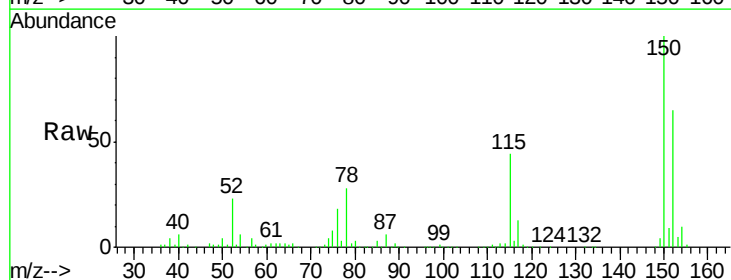
Tgt Ion:152 Resp: 107296

Ion Ratio Lower Upper

152 100

115 65.3 44.1 132.3

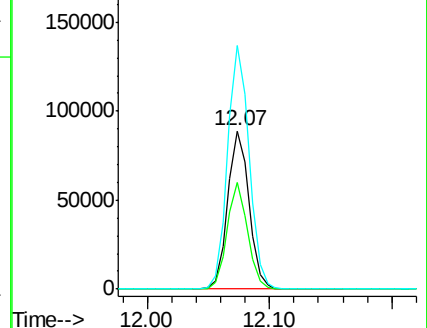
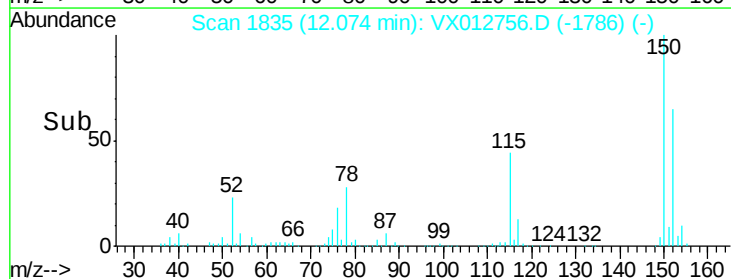
150 155.7 0.0 343.8

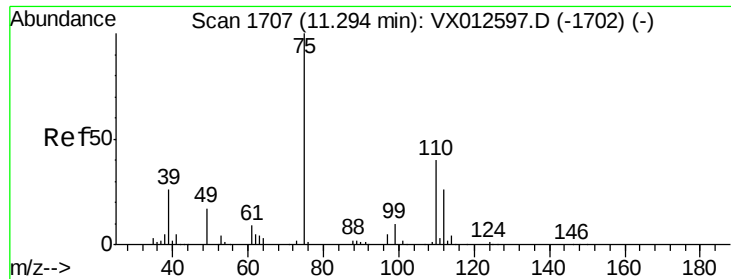


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.130 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012756.D

Acq: 02 Oct 2019 13:18

Instrument :

MSVOA_X

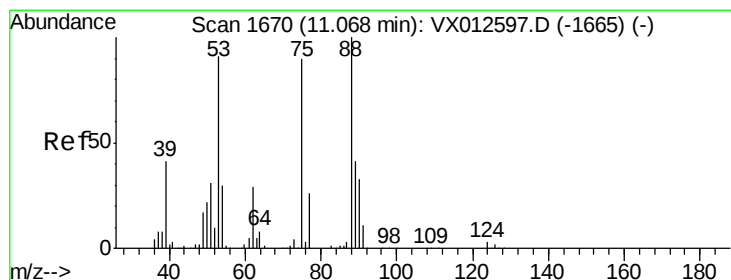
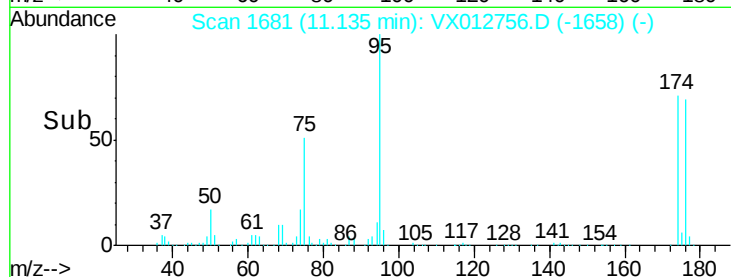
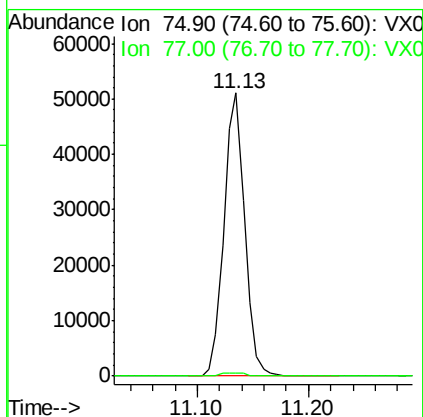
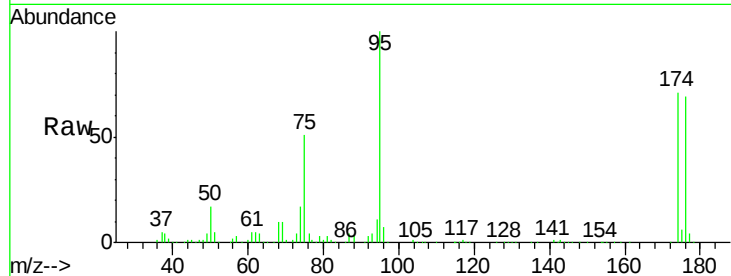
ClientSampled :

Tot Ion: 75 Resp: 65649

Ion Ratio Lower Upper

75 100

77 1.3 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.286 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012756.D

Acq: 02 Oct 2019 13:18

Tgt Ion: 75 Resp: 65649

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

