

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012755.D
 Acq On : 02 Oct 2019 12:53
 Operator : JC/SP
 Sample : K5082-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 03 01:30:40 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	151189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	259721	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	75221	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	105684	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
35) Dibromofluoromethane	5.49	113	79341	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
50) Toluene-d8	8.71	98	302432	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.14	95	96678	41.28	ug/l	0.00
Spiked Amount			Recovery	=	82.56%	

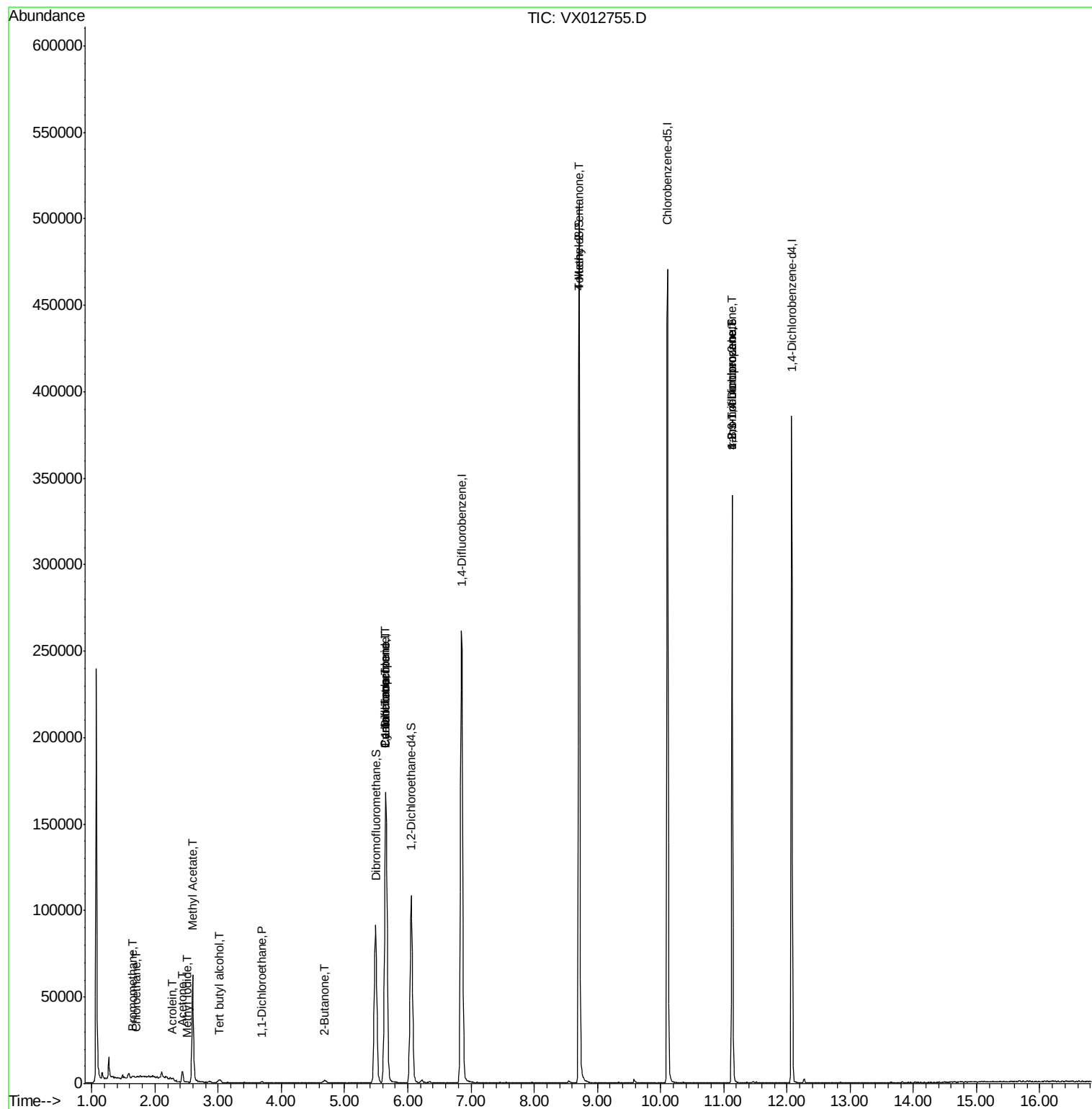
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	375	0.491	ug/l	85
6) Chloroethane	1.70	64	393	0.300	ug/l #	77
10) Methyl Iodide	2.51	142	193	5.052	ug/l #	75
11) Tert butyl alcohol	3.03	59	2245	4.082	ug/l	96
13) Acrolein	2.28	56	297	11.163	ug/l #	79
16) Acetone	2.43	43	7620	6.534	ug/l	94
18) Methyl Acetate	2.59	43	16657	6.066	ug/l #	54
24) 1,1-Dichloroethane	3.68	63	806	0.238	ug/l #	81
25) 2-Butanone	4.69	43	373	0.223	ug/l #	51
31) Cyclohexane	5.65	56	3608	1.177	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12322	4.922	ug/l #	52
38) Carbon Tetrachloride	5.65	117	16823	6.615	ug/l #	18
51) 4-Methyl-2-Pentanone	8.70	43	1527	0.505	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	49483	24.869	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	49483	71.268	ug/l #	8

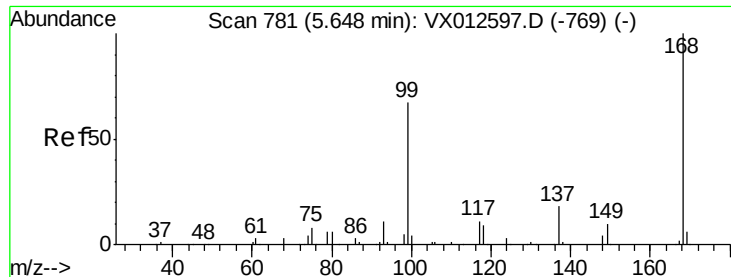
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100219\
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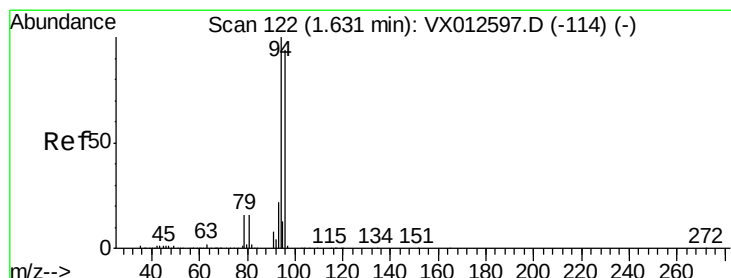
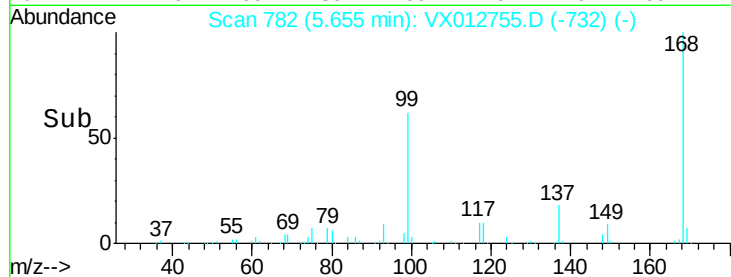
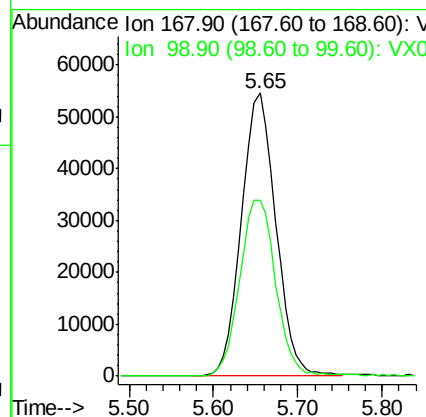
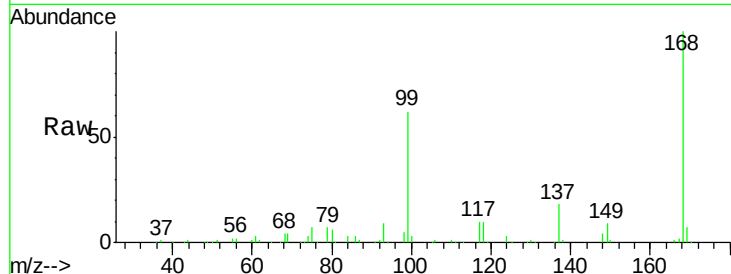




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX012755.D
Acq: 02 Oct 2019 12:53

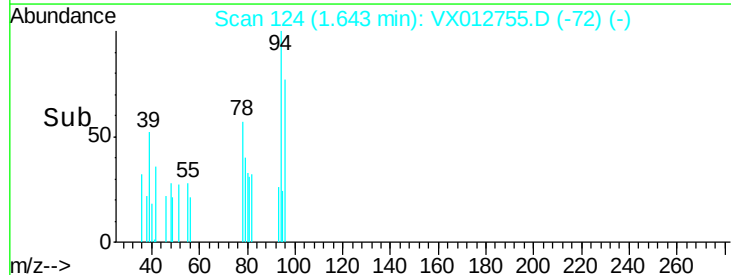
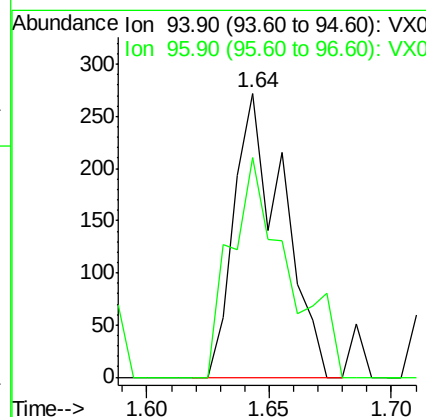
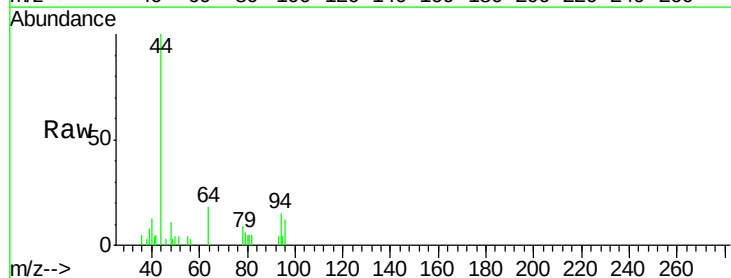
Instrument :
MSVOA_X
ClientSampled :

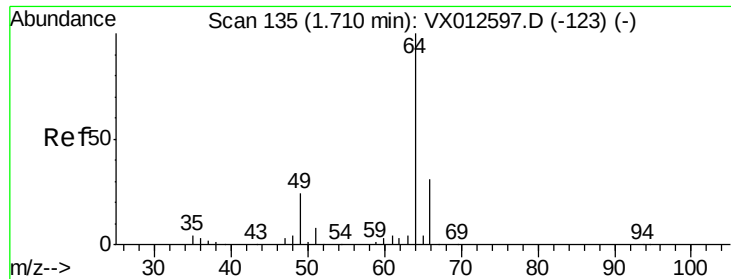
Tot Ion:168 Resp: 151189
Ion Ratio Lower Upper
168 100
99 62.2 51.4 77.2



#5
Bromomethane
Concen: 0.491 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.02 min
Lab File: VX012755.D
Acq: 02 Oct 2019 12:53

Tgt Ion: 94 Resp: 375
Ion Ratio Lower Upper
94 100
96 77.2 72.8 109.2





#6

Chloroethane

Concen: 0.300 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012755.D

Acq: 02 Oct 2019 12:53

Instrument :

MSVOA_X

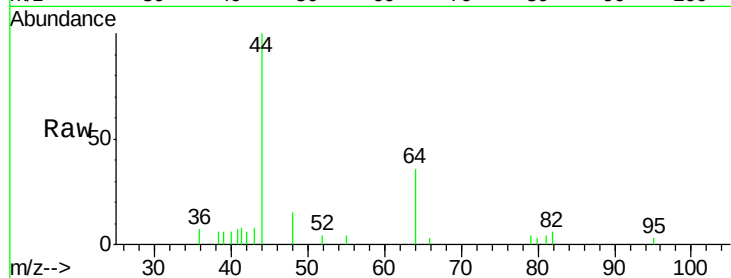
ClientSampleId :

Tot Ion: 64 Resp: 393

Ion Ratio Lower Upper

64 100

66 17.6 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX012597.D (-123) (-)

Ion 65.90 (65.60 to 66.60): VX012755.D (-86) (-)

1.70

600

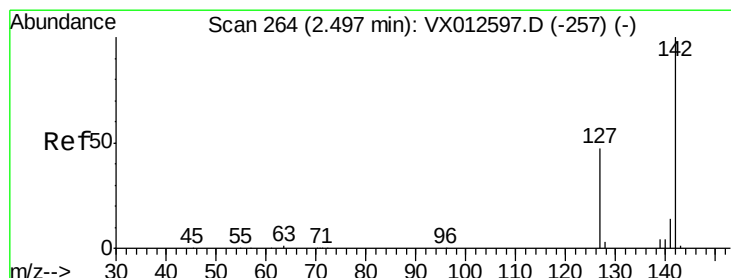
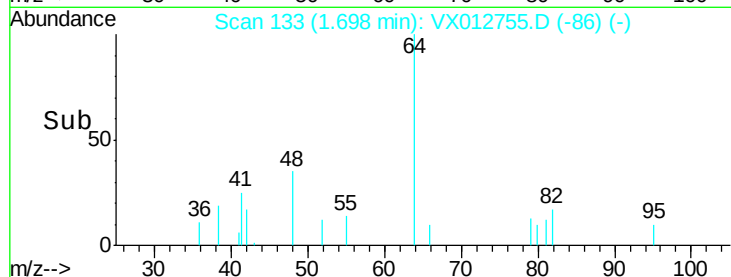
400

200

0

1.66 1.68 1.70 1.72

Time-->



#10

Methyl Iodide

Concen: 5.052 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012755.D

Acq: 02 Oct 2019 12:53

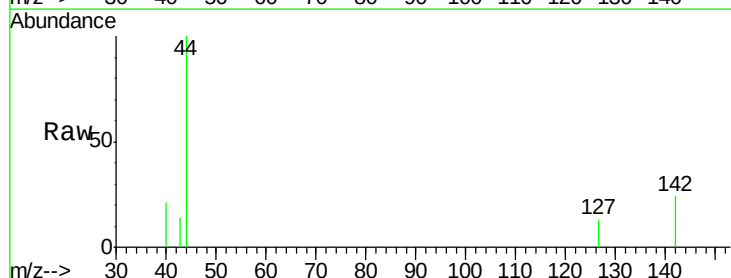
Tgt Ion: 142 Resp: 193

Ion Ratio Lower Upper

142 100

127 36.3 40.8 61.2#

141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): VX012597.D (-257) (-)

Ion 126.80 (126.50 to 127.50): VX012755.D (-215) (-)

Ion 140.80 (140.50 to 141.50): VX012755.D (-215) (-)

2.51

150

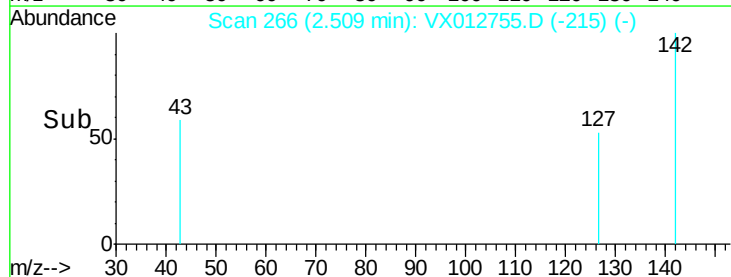
100

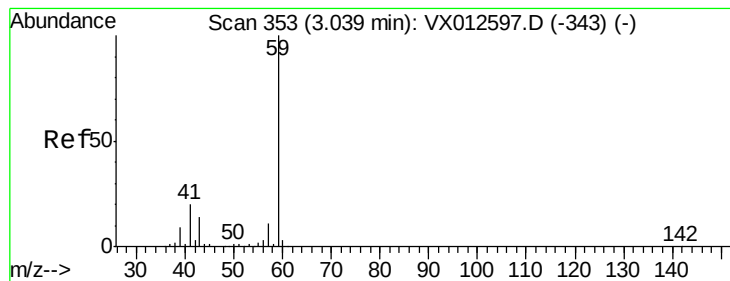
50

0

2.46 2.48 2.50 2.52 2.54

Time-->



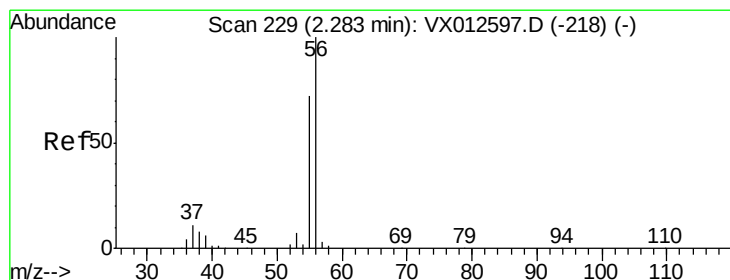
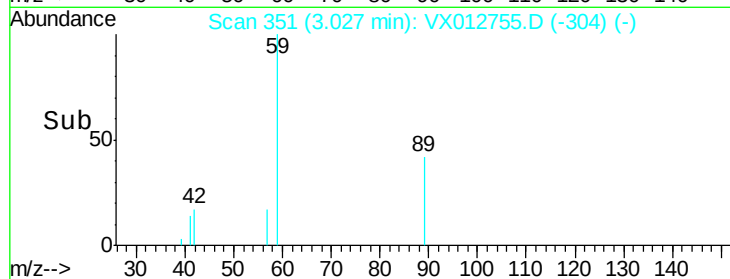
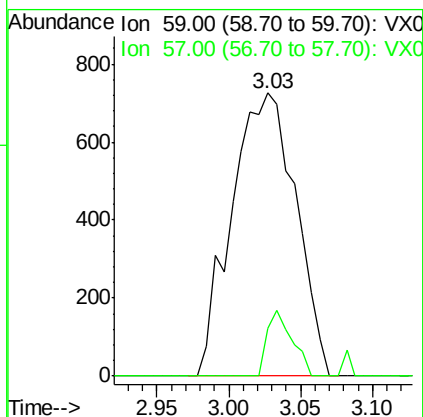
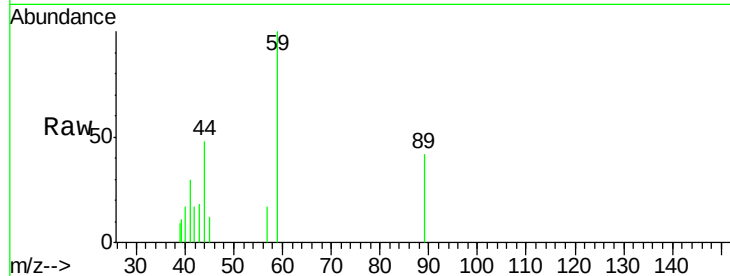


#11

Tert butyl alcohol
 Concen: 4.082 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012755.D
 Acq: 02 Oct 2019 12:53

Instrument :
 MSVOA_X
 ClientSampled :

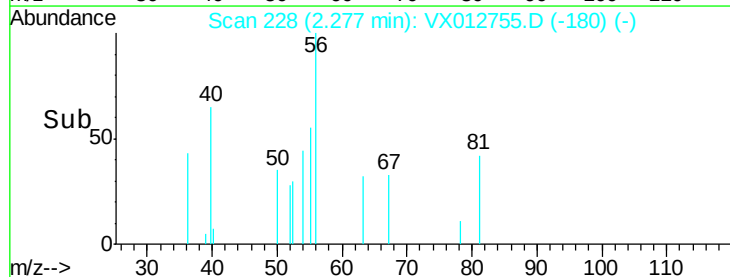
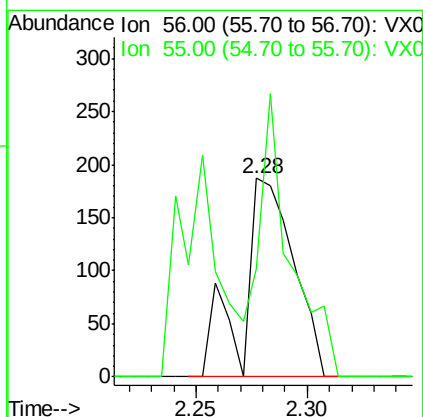
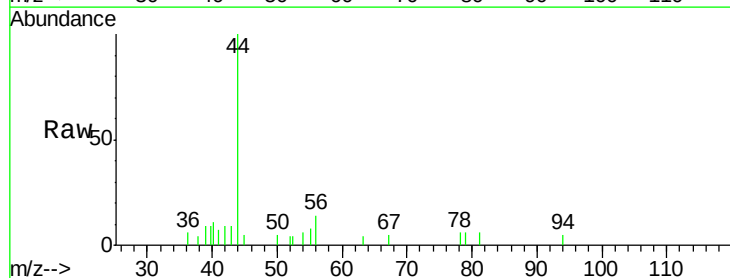
Tot Ion: 59 Resp: 2245
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.3 12.5

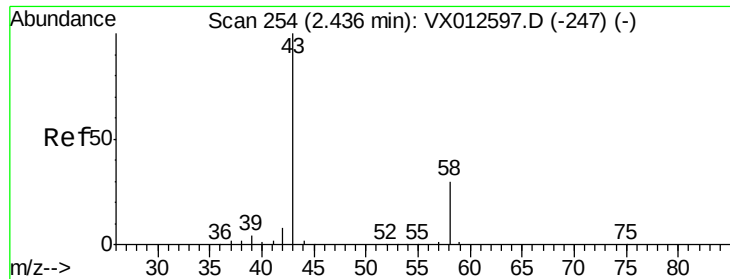


#13

Acrolein
 Concen: 11.163 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX012755.D
 Acq: 02 Oct 2019 12:53

Tgt Ion: 56 Resp: 297
 Ion Ratio Lower Upper
 56 100
 55 87.2 55.8 83.8#





#16

Acetone

Concen: 6.534 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012755.D

Acq: 02 Oct 2019 12:53

Instrument :

MSVOA_X

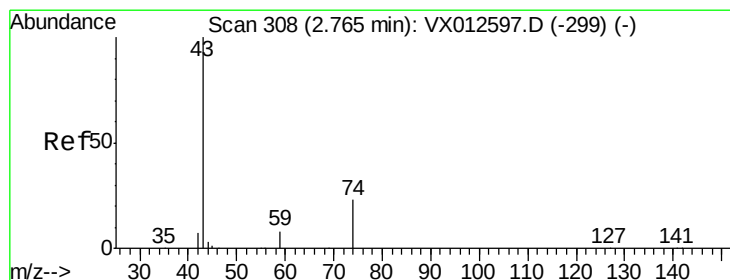
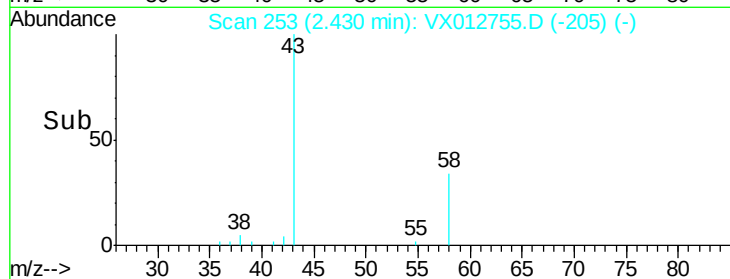
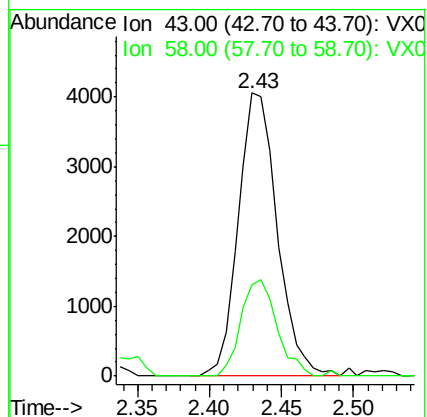
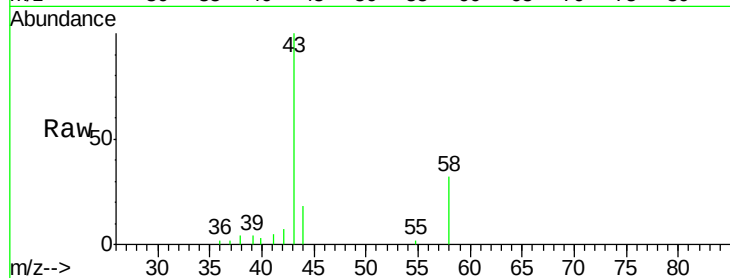
ClientSampled :

Tot Ion: 43 Resp: 7620

Ion Ratio Lower Upper

43 100

58 32.4 23.3 34.9



#18

Methyl Acetate

Concen: 6.066 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012755.D

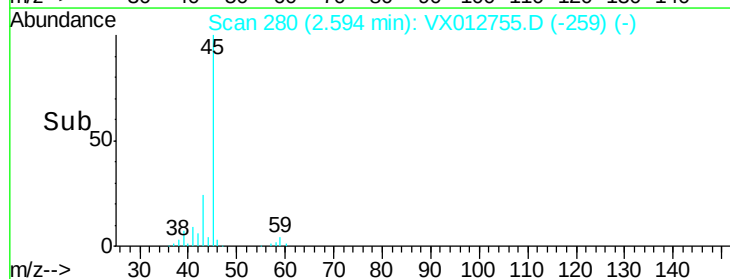
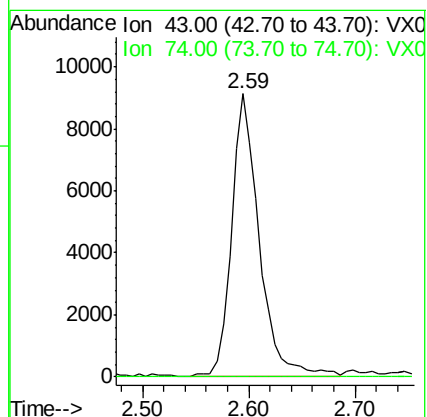
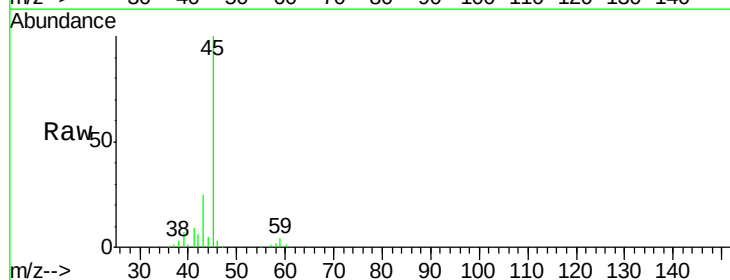
Acq: 02 Oct 2019 12:53

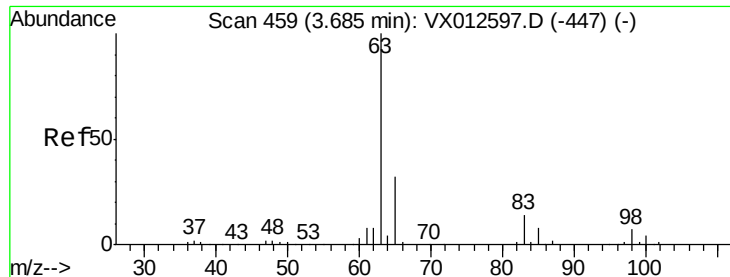
Tgt Ion: 43 Resp: 16657

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#24

1,1-Dichloroethane

Concen: 0.238 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012755.D

Acq: 02 Oct 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

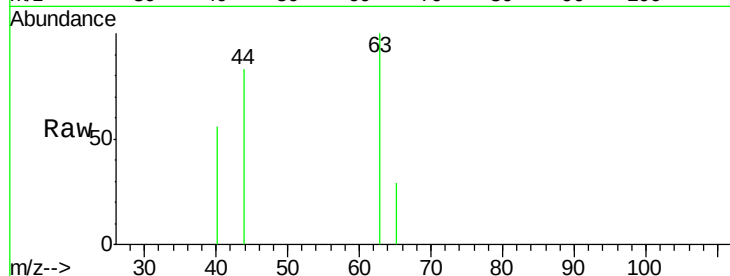
Tot Ion: 63 Resp: 806

Ion Ratio Lower Upper

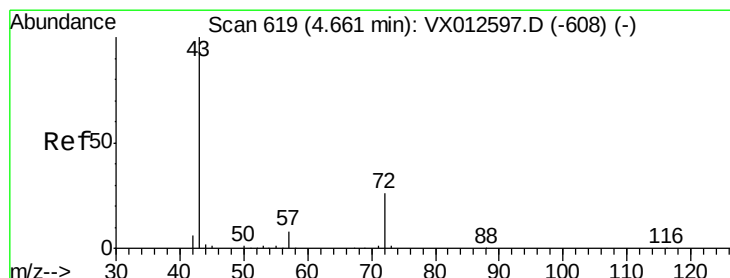
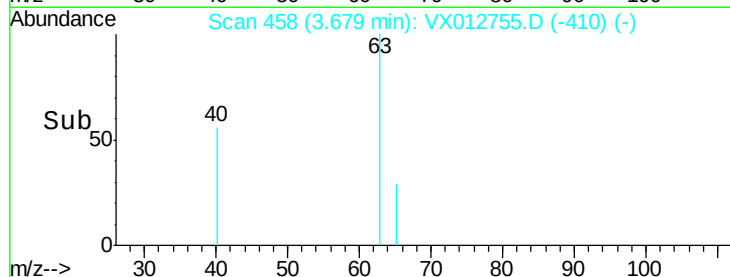
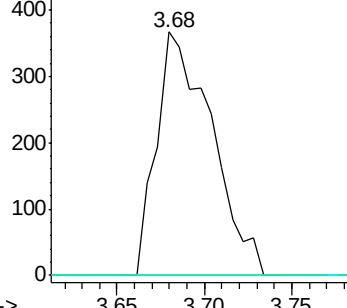
63 100

98 0.0 3.9 11.7#

100 0.0 2.3 6.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 0.223 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX012755.D

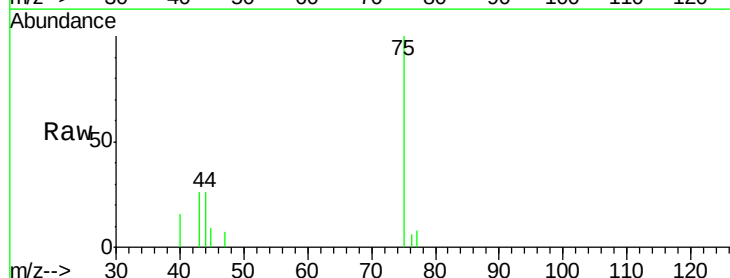
Acq: 02 Oct 2019 12:53

Tgt Ion: 43 Resp: 373

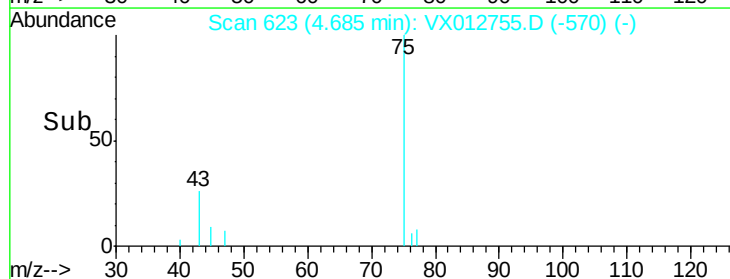
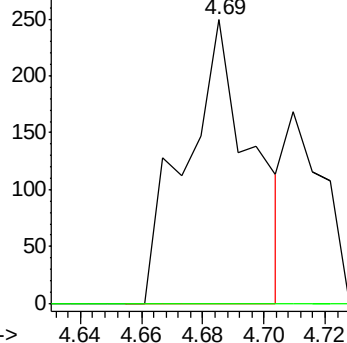
Ion Ratio Lower Upper

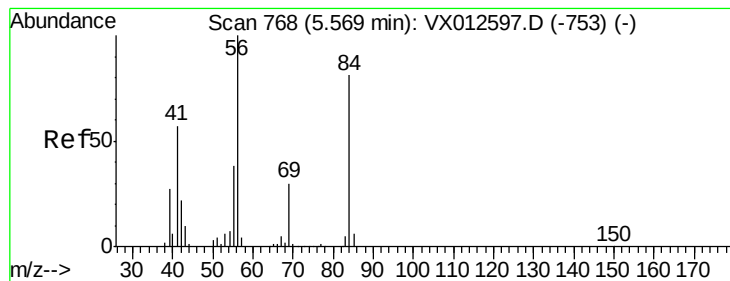
43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.177 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012755.D

Acq: 02 Oct 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :

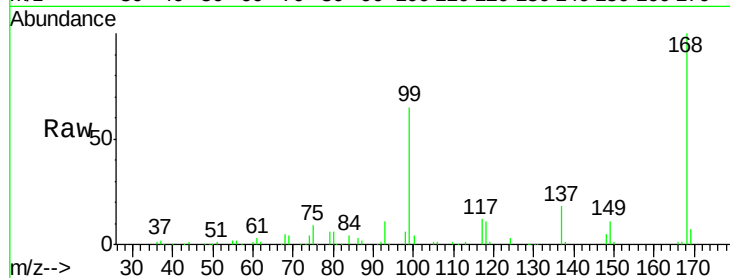
Tot Ion: 56 Resp: 3608

Ion Ratio Lower Upper

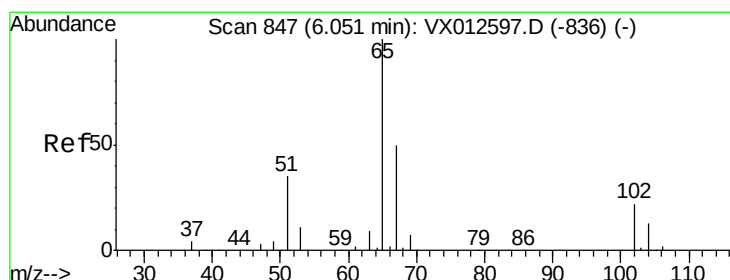
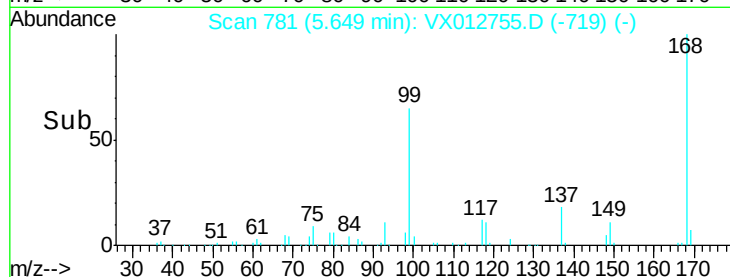
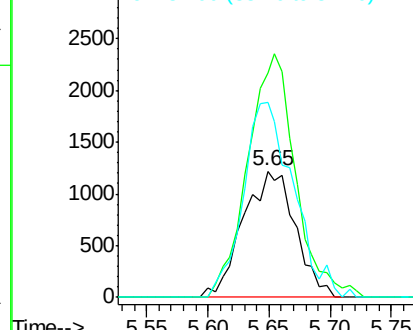
56 100

69 178.1 25.0 37.6#

84 154.6 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: 48.003 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012755.D

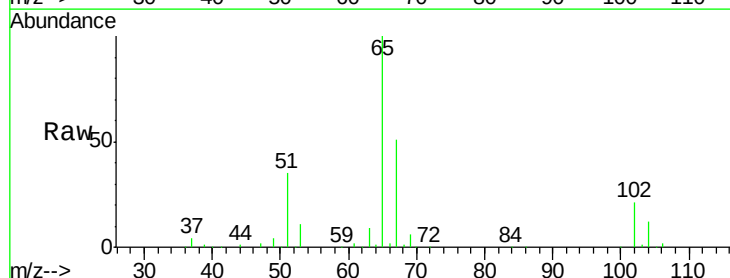
Acq: 02 Oct 2019 12:53

Tgt Ion: 65 Resp: 105684

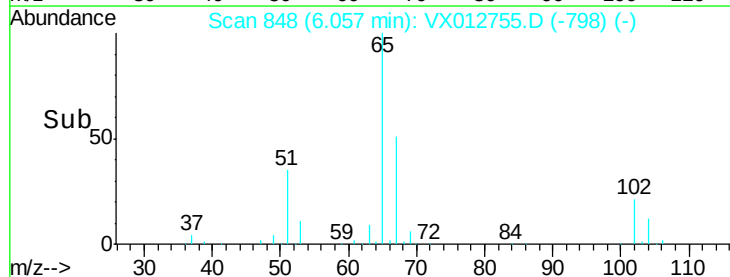
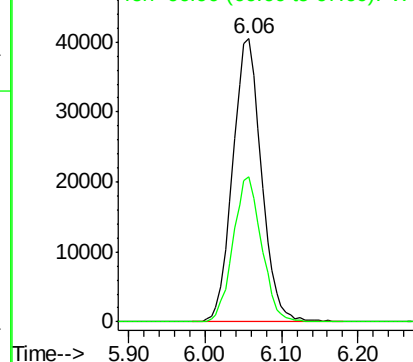
Ion Ratio Lower Upper

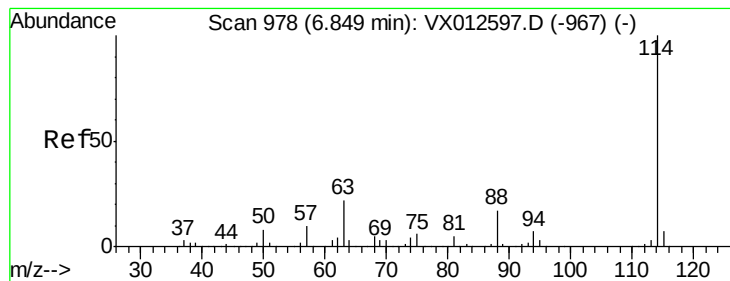
65 100

67 50.4 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: VX012755.D

Acq: 02 Oct 2019 12:53

Instrument :

MSVOA_X

ClientSampled :

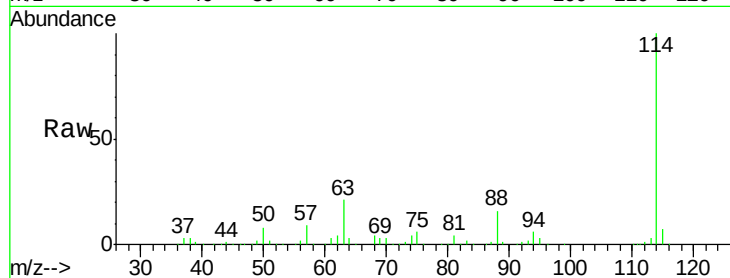
Tot Ion:114 Resp: 259721

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

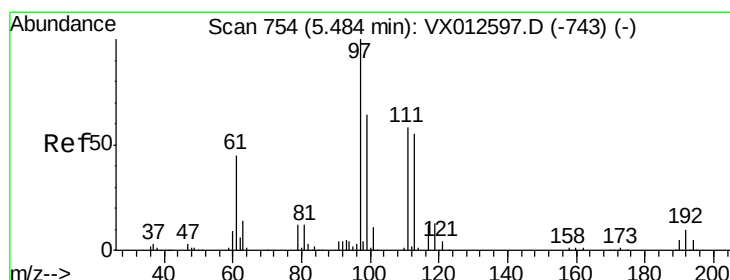
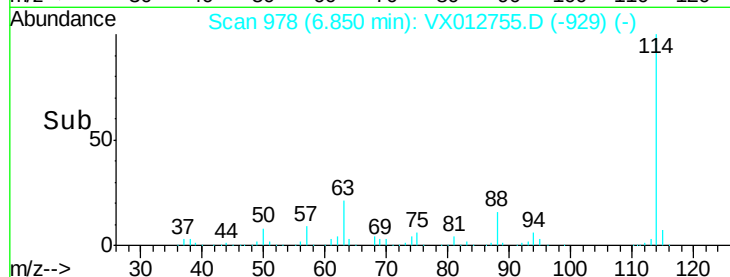
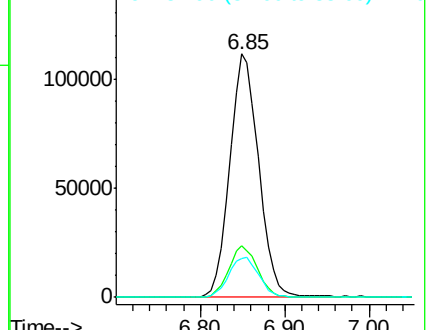
88 16.0 0.0 33.2



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: 51.295 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012755.D

Acq: 02 Oct 2019 12:53

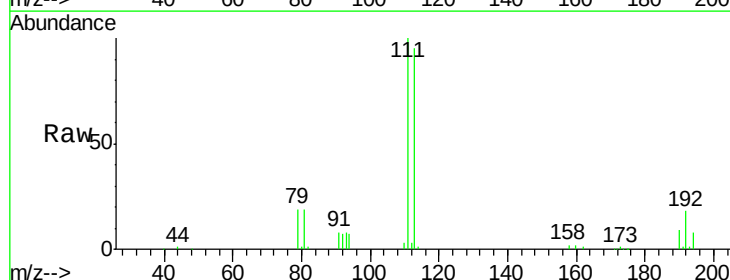
Tgt Ion:113 Resp: 79341

Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.2

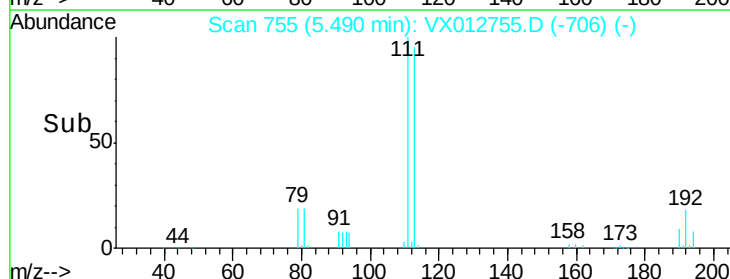
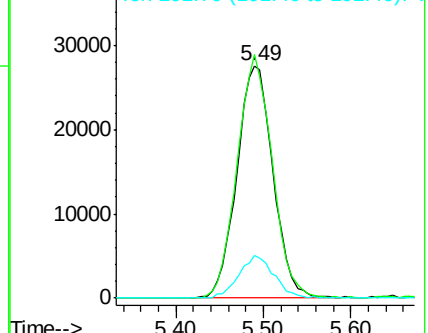
192 17.8 14.4 21.6

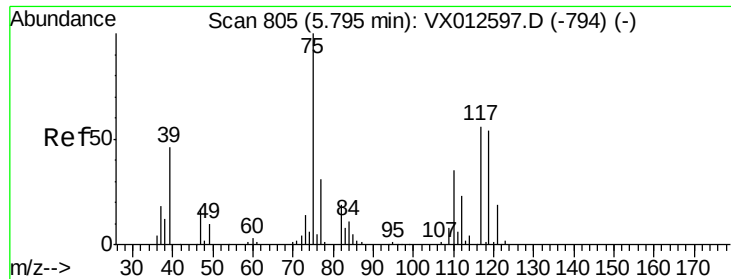


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

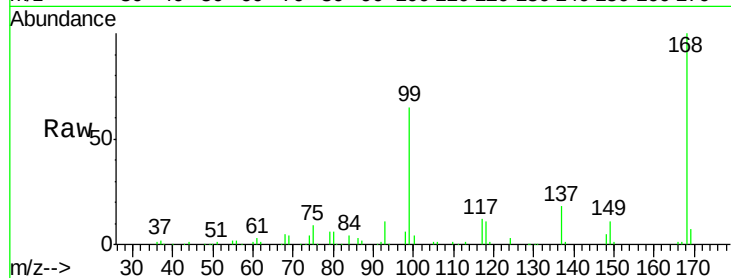




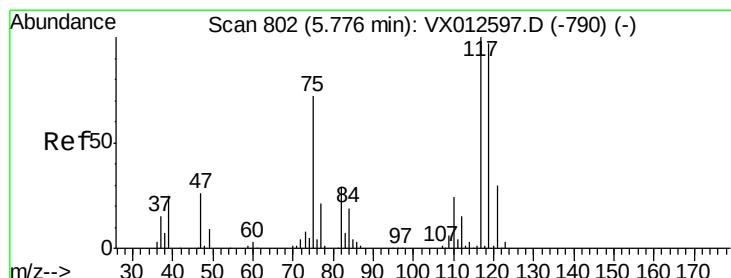
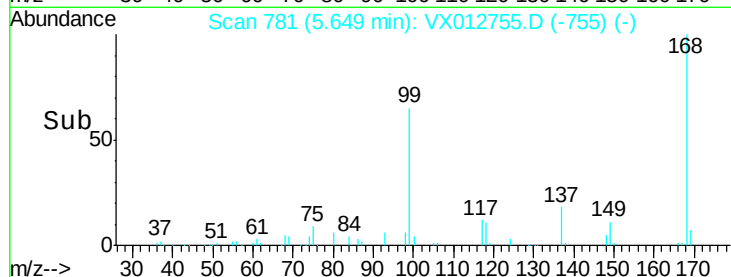
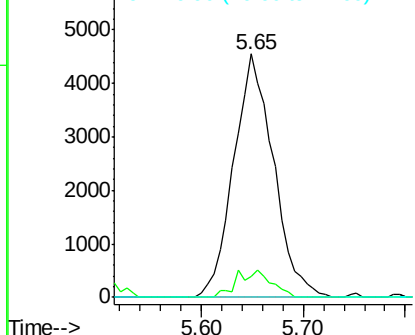
#36
 1,1-Dichloropropene
 Concen: 4.922 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012755.D
 Acq: 02 Oct 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 12322
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.7 50.0#
 77 0.0 24.2 36.2#

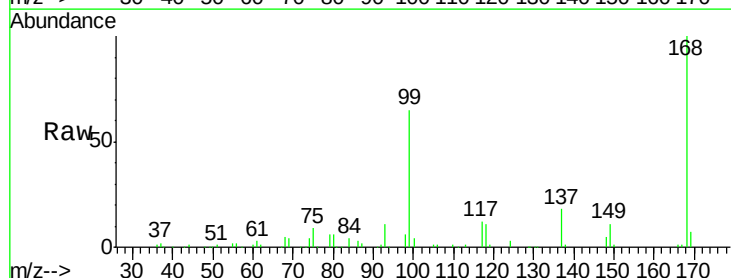


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

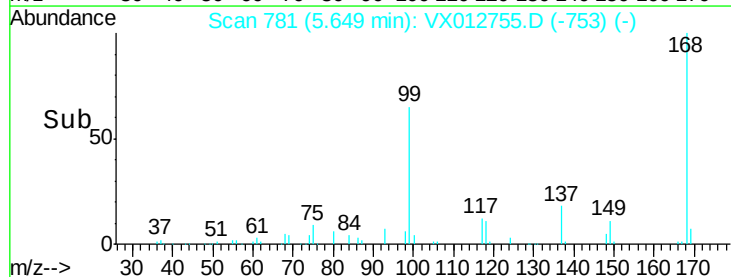
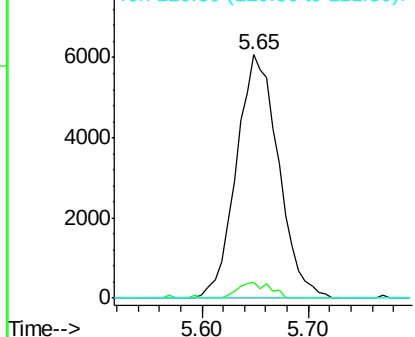


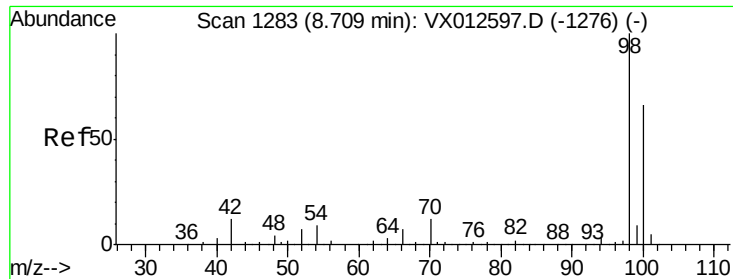
#38
 Carbon Tetrachloride
 Concen: 6.615 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012755.D
 Acq: 02 Oct 2019 12:53

Tgt Ion: 117 Resp: 16823
 Ion Ratio Lower Upper
 117 100
 119 6.6 75.7 113.5#
 121 0.0 24.2 36.4#



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

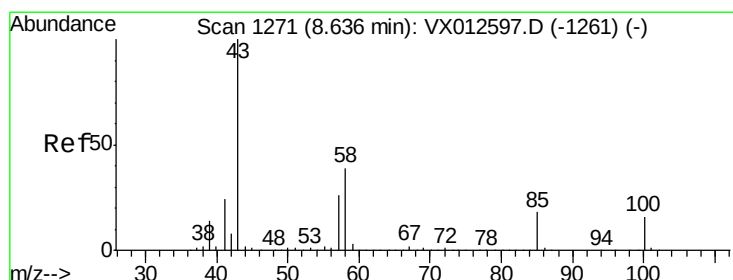
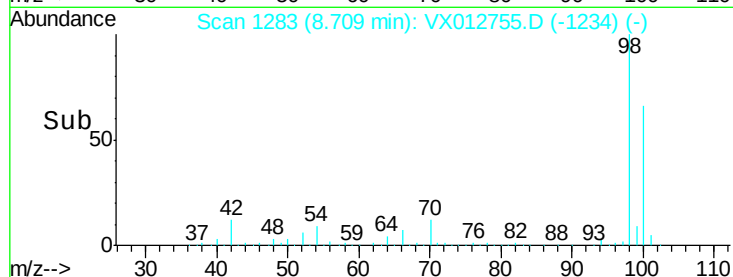
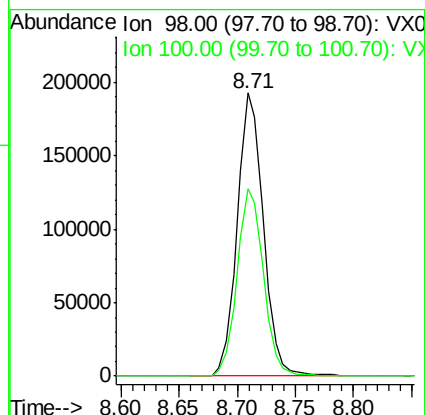
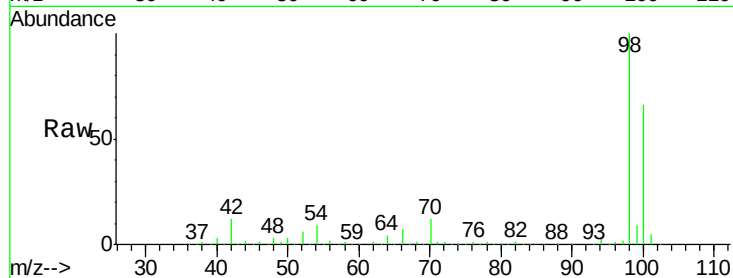




#50
Toluene-d8
Concen: 50.772 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012755.D
Acq: 02 Oct 2019 12:53

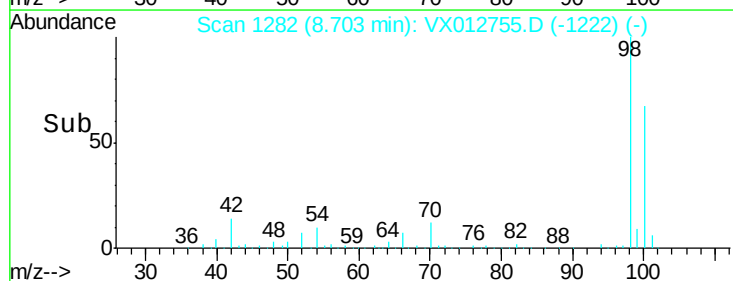
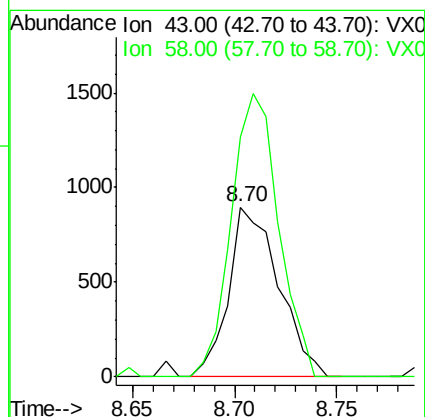
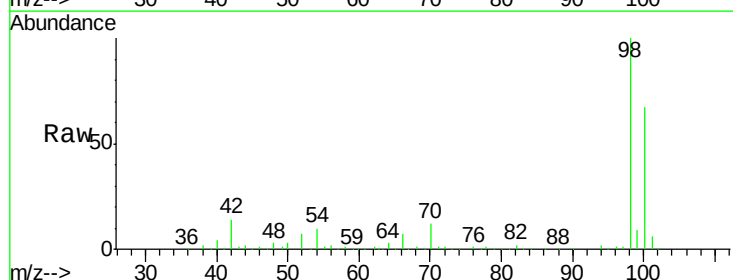
Instrument :
MSVOA_X
ClientSampleId :

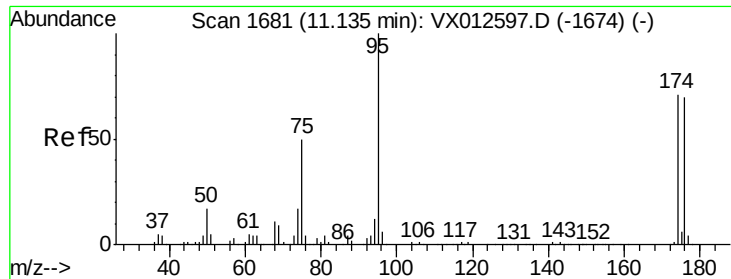
Tot Ion: 98 Resp: 302432
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.505 ug/l
RT: 8.70 min Scan# 1282
Delta R.T. 0.07 min
Lab File: VX012755.D
Acq: 02 Oct 2019 12:53

Tgt Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
58 158.3 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 41.277 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012755.D

Acq: 02 Oct 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

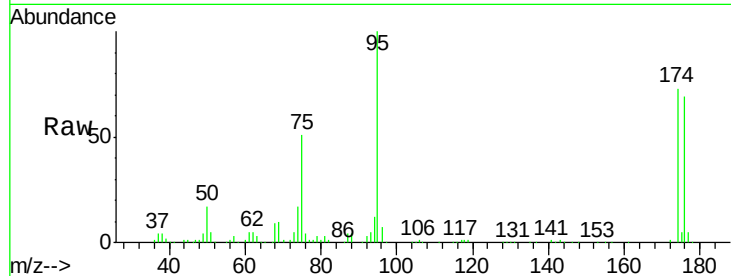
Tot Ion: 95 Resp: 96678

Ion Ratio Lower Upper

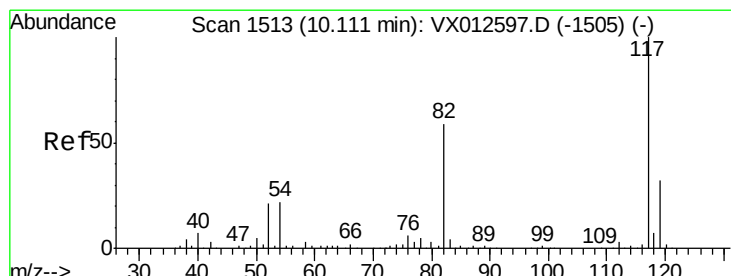
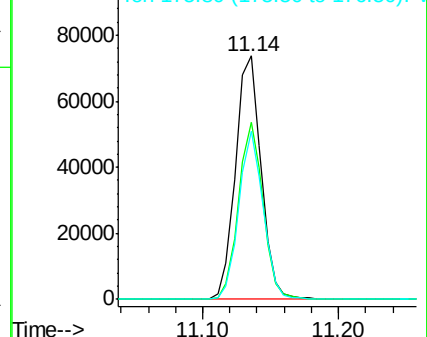
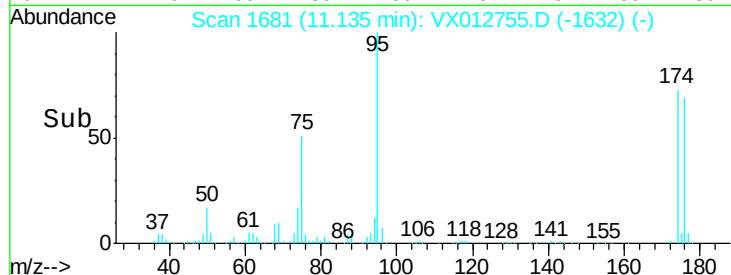
95 100

174 69.6 0.0 140.0

176 65.8 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012755.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012755.D

Acq: 02 Oct 2019 12:53

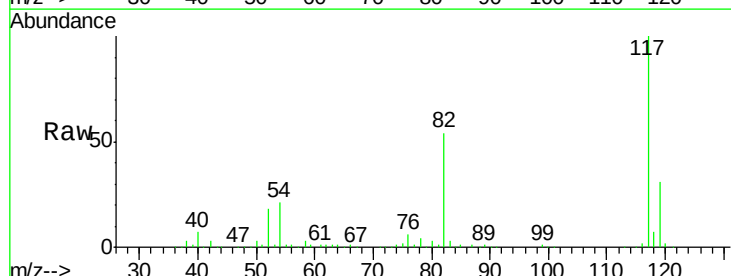
Tgt Ion: 117 Resp: 215983

Ion Ratio Lower Upper

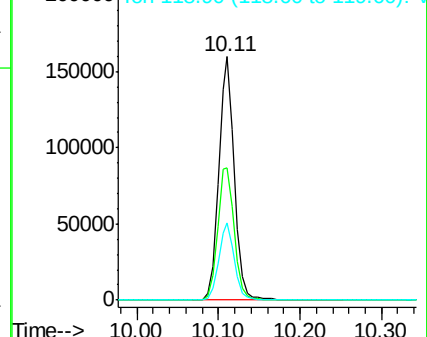
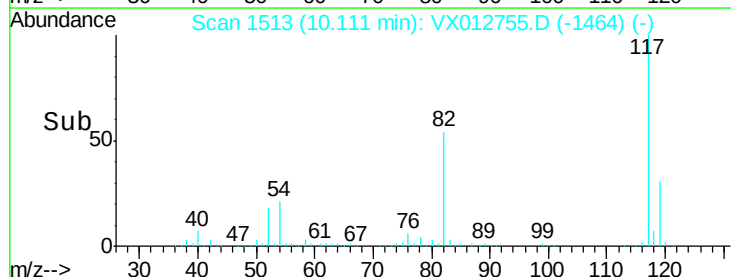
117 100

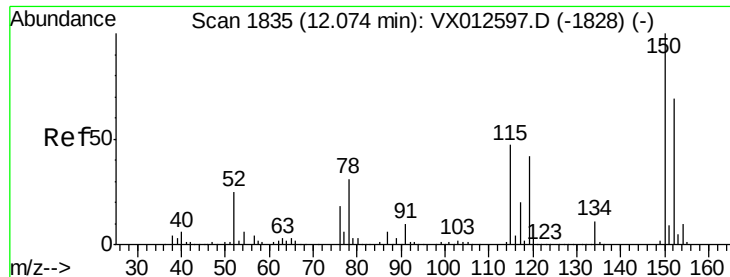
82 54.4 45.9 68.9

119 31.5 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX012755.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012755.D

Acq: 02 Oct 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

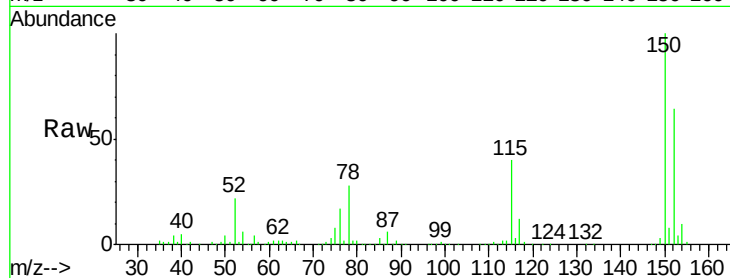
Tot Ion:152 Resp: 75221

Ion Ratio Lower Upper

152 100

115 64.3 44.1 132.3

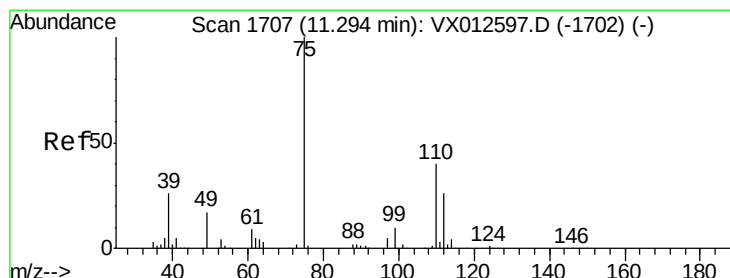
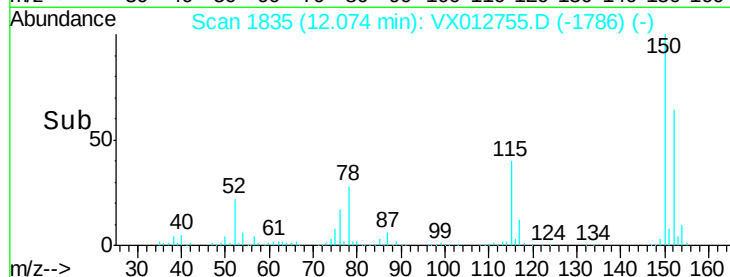
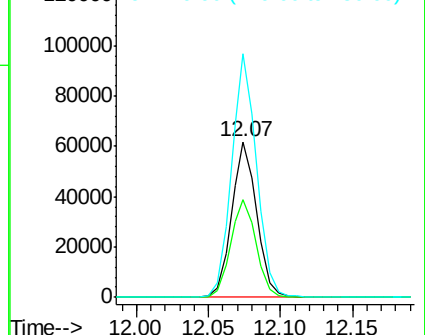
150 156.5 0.0 343.8



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: 24.869 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012755.D

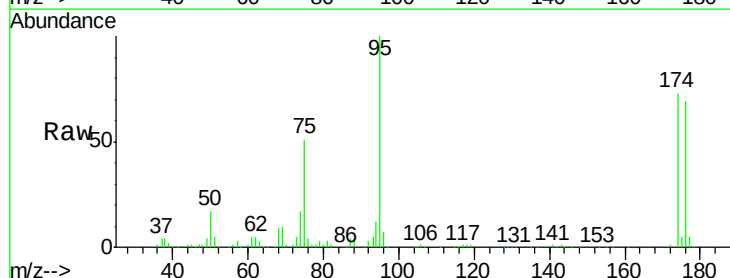
Acq: 02 Oct 2019 12:53

Tgt Ion: 75 Resp: 49483

Ion Ratio Lower Upper

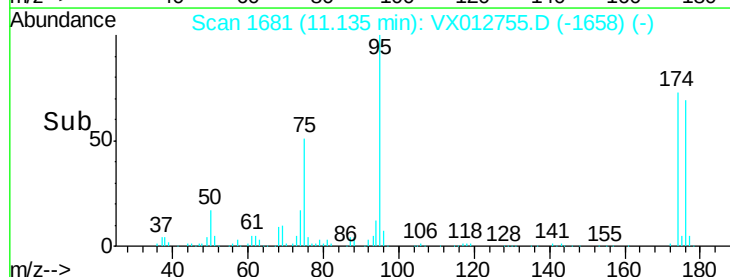
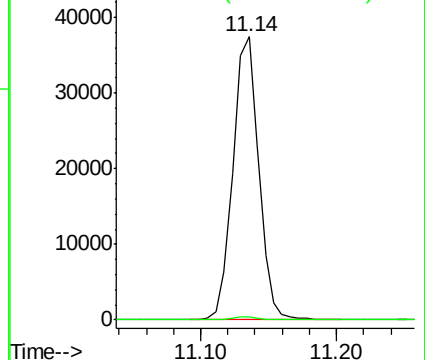
75 100

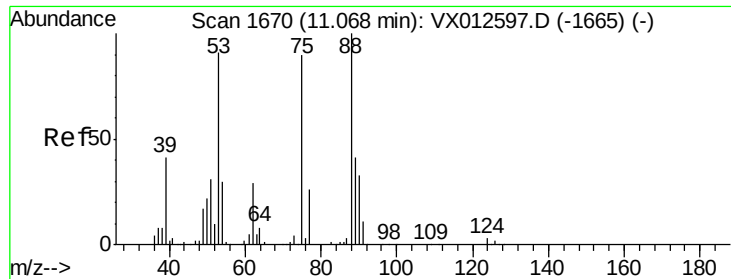
77 1.2 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.268 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012755.D

Acq: 02 Oct 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

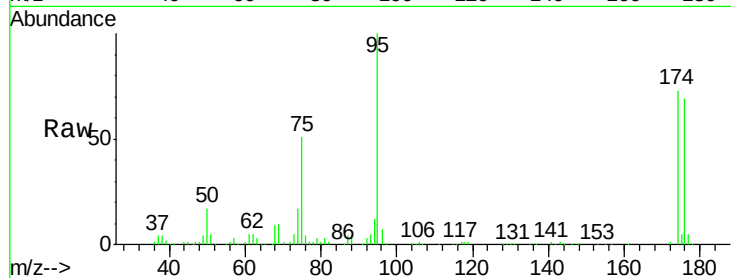
Tot Ion: 75 Resp: 49483

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

