

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012762.D
 Acq On : 02 Oct 2019 15:39
 Operator : JC/SP
 Sample : K5154-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 03 01:32:46 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	170440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295395	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88154	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	120810	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	5.49	113	90442	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	8.71	98	347765	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.14	95	112089	42.08	ug/l	0.00
Spiked Amount			Recovery	=	84.16%	

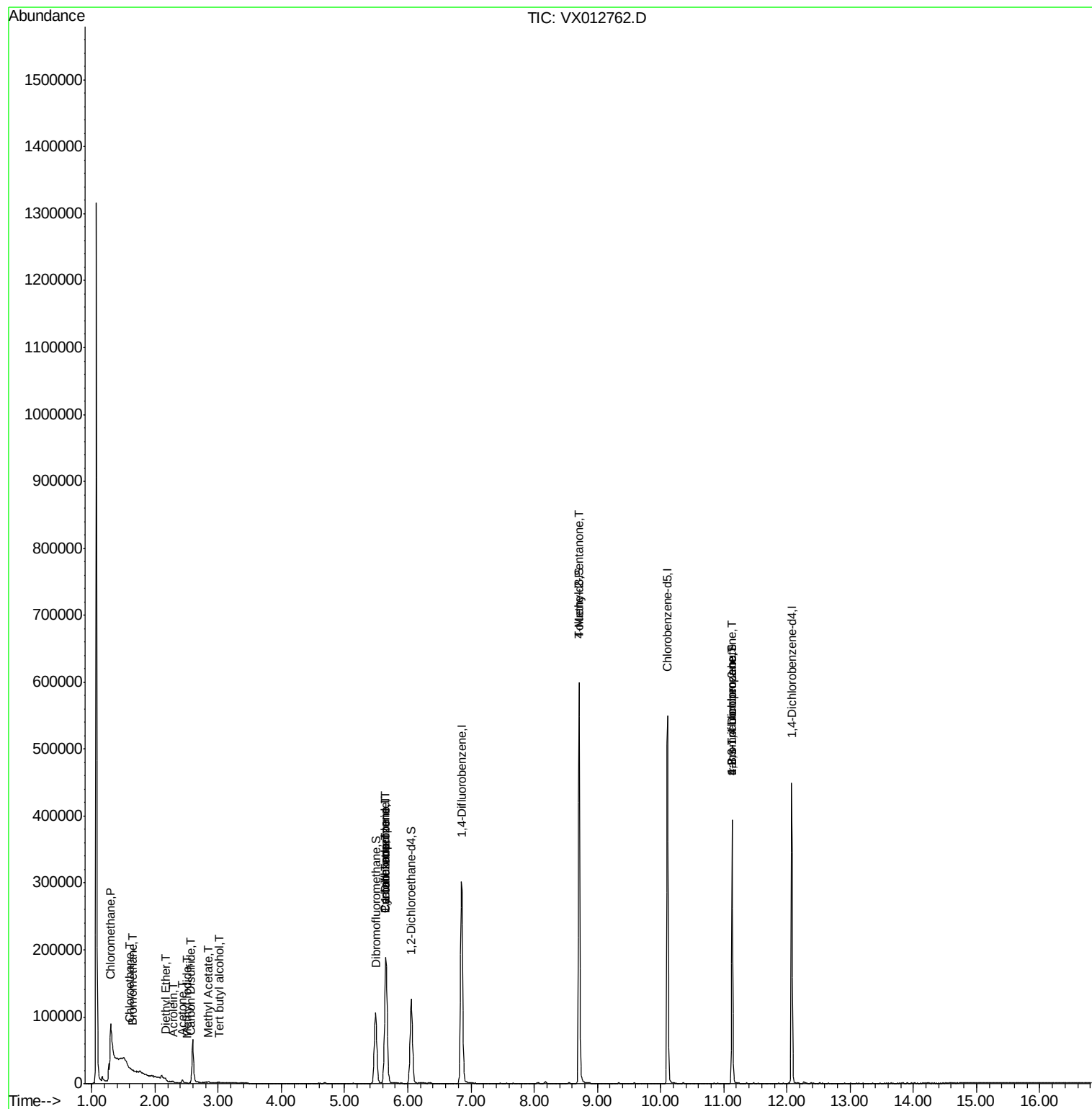
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.30	50	5748	2.611	ug/l #	43
5) Bromomethane	1.64	94	303	0.352	ug/l #	79
6) Chloroethane	1.61	64	8132	5.512	ug/l #	60
8) Diethyl Ether	2.17	74	290	0.230	ug/l #	18
10) Methyl Iodide	2.50	142	264	5.074	ug/l #	48
11) Tert butyl alcohol	3.03	59	737	1.189	ug/l #	72
13) Acrolein	2.29	56	78	10.449	ug/l #	24
16) Acetone	2.44	43	5356	4.074	ug/l	98
17) Carbon Disulfide	2.56	76	1785	0.347	ug/l #	75
18) Methyl Acetate	2.83	43	753	0.243	ug/l #	54
31) Cyclohexane	5.65	56	4023	1.164	ug/l #	2
36) 1,1-Dichloropropene	5.65	75	14230	4.998	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18593	6.428	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1736	0.505	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	56379	24.177	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	56379	69.287	ug/l #	8

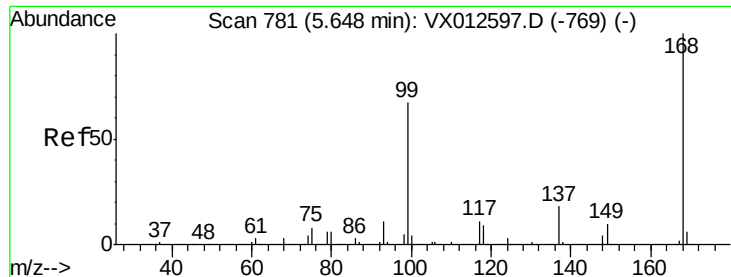
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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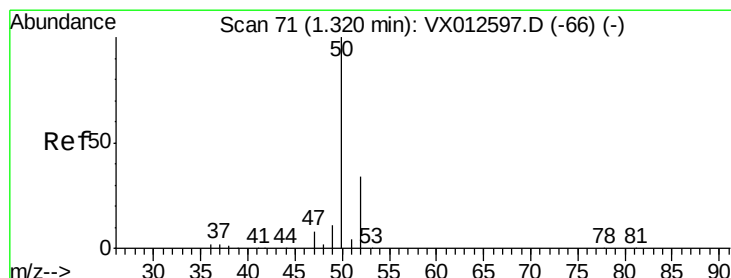
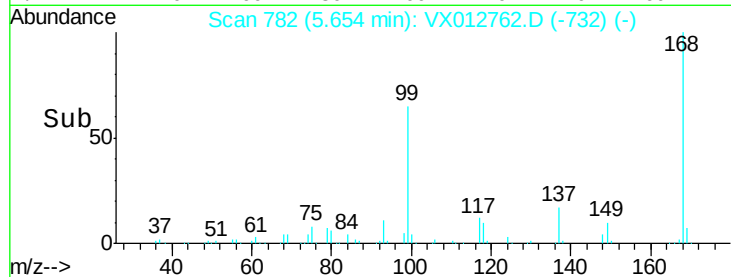
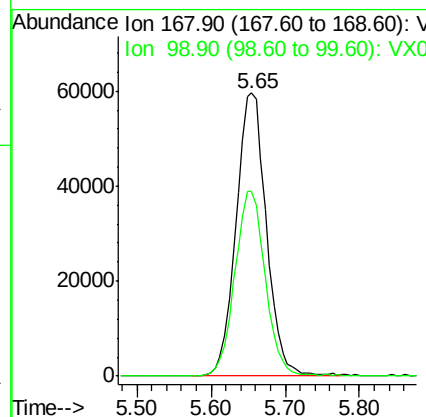
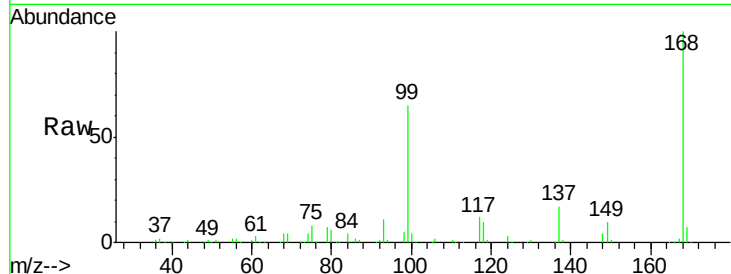




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX012762.D
Acq: 02 Oct 2019 15:39

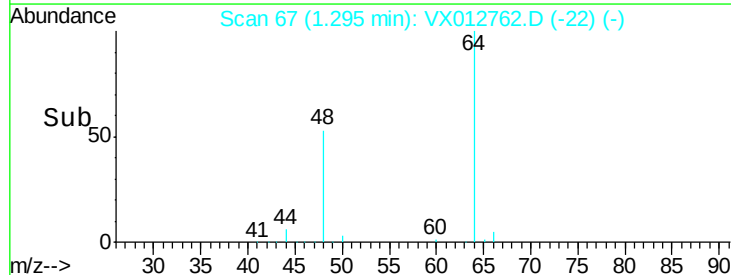
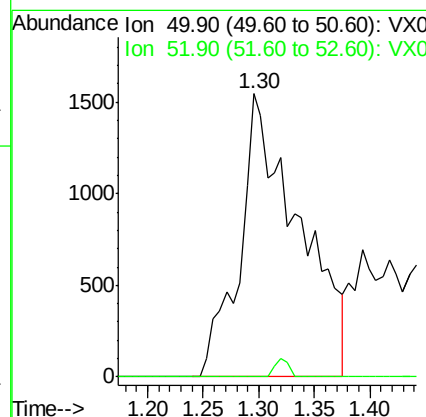
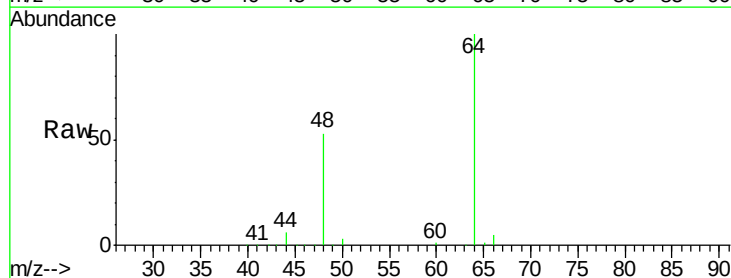
Instrument :
MSVOA_X
ClientSampleId :

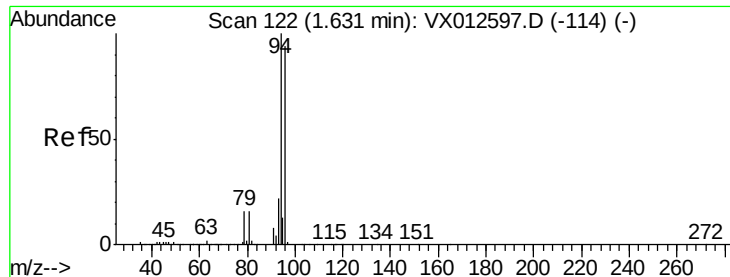
Tot Ion:168 Resp: 170440
Ion Ratio Lower Upper
168 100
99 65.1 51.4 77.2



#3
Chloromethane
Concen: 2.611 ug/l
RT: 1.30 min Scan# 67
Delta R.T. -0.02 min
Lab File: VX012762.D
Acq: 02 Oct 2019 15:39

Tgt Ion: 50 Resp: 5748
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: 0.352 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012762.D

Acq: 02 Oct 2019 15:39

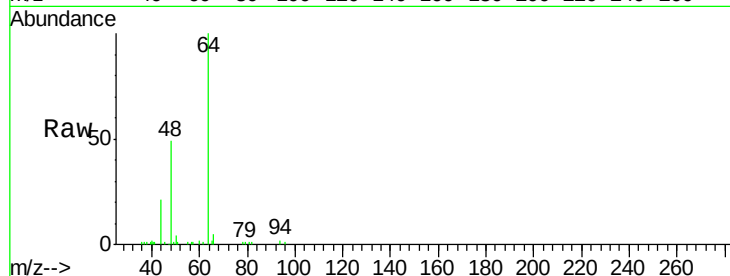
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 303

Ion Ratio Lower Upper

94 100

96 70.9 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

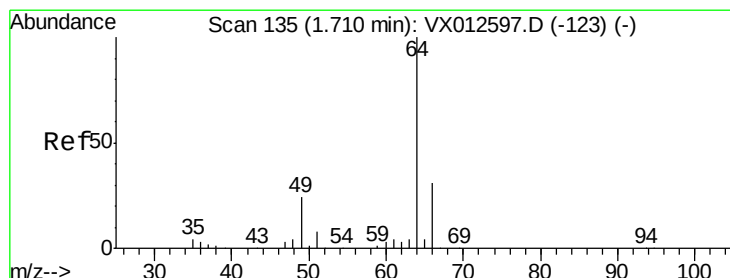
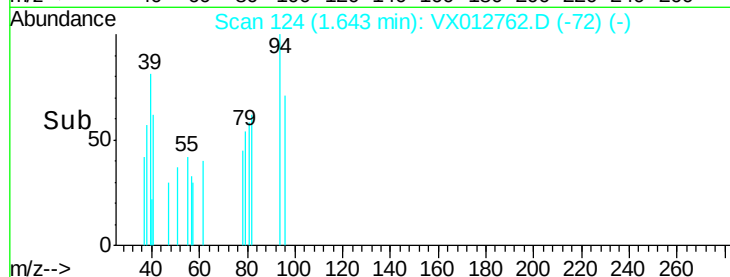
150

100

50

0

Time-->



#6

Chloroethane

Concen: 5.512 ug/l

RT: 1.61 min Scan# 118

Delta R.T. -0.10 min

Lab File: VX012762.D

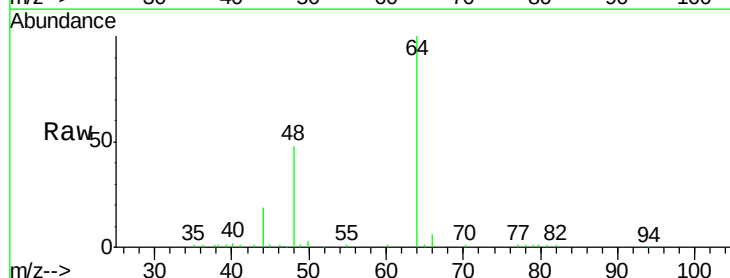
Acq: 02 Oct 2019 15:39

Tgt Ion: 64 Resp: 8132

Ion Ratio Lower Upper

64 100

66 8.4 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

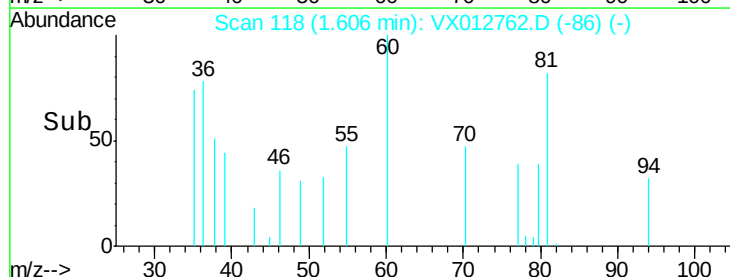
15000

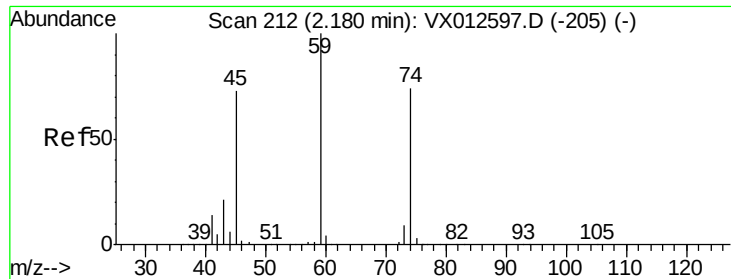
10000

5000

0

Time-->

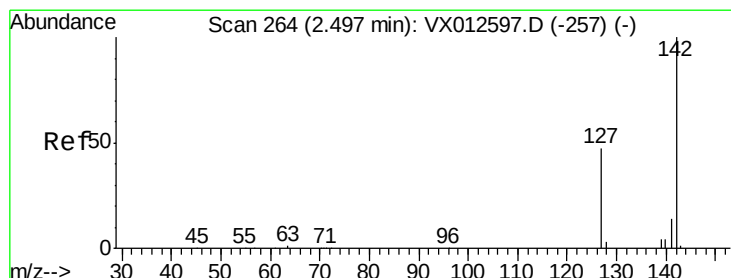
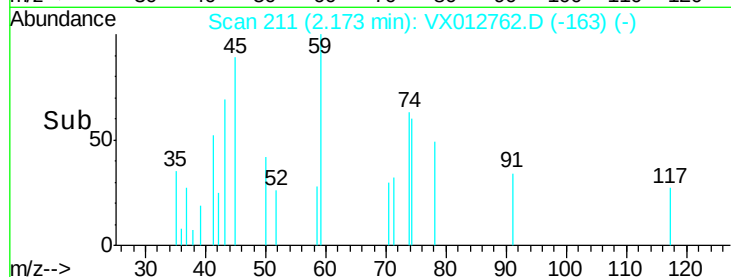
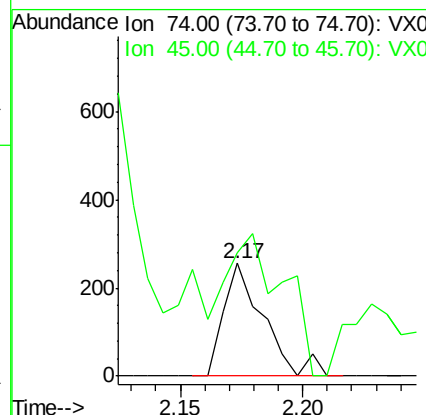
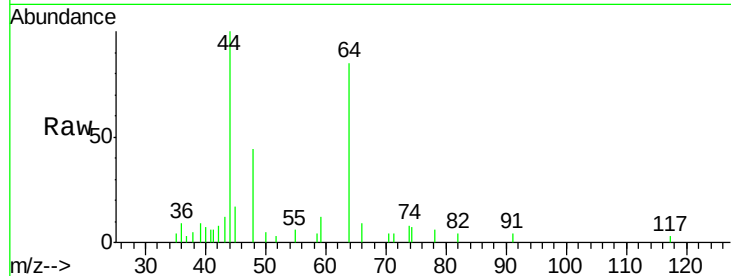




#8
 Diethyl Ether
 Concen: 0.230 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX012762.D
 Acq: 02 Oct 2019 15:39

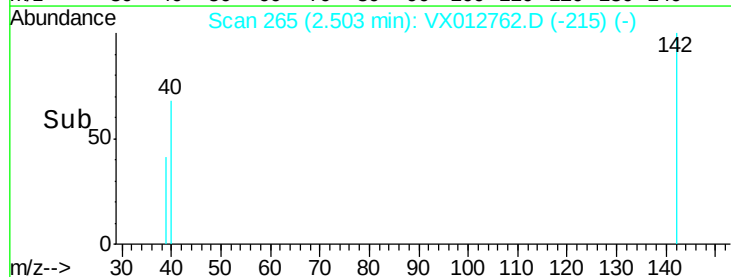
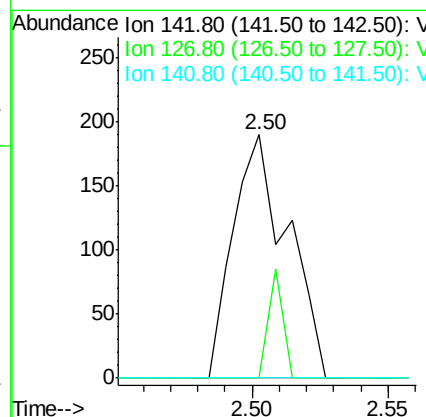
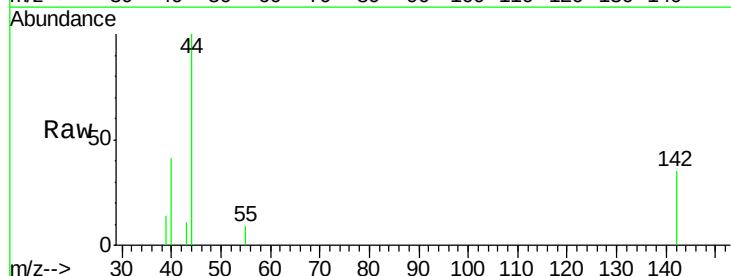
Instrument :
 MSVOA_X
 ClientSampleId :

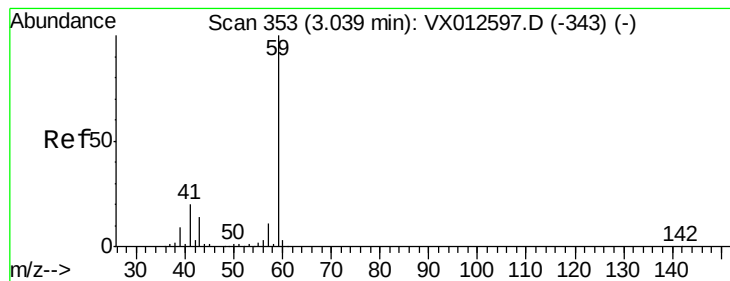
Tot Ion: 74 Resp: 290
 Ion Ratio Lower Upper
 74 100
 45 181.7 49.9 149.7#



#10
 Methyl Iodide
 Concen: 5.074 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VX012762.D
 Acq: 02 Oct 2019 15:39

Tgt Ion: 142 Resp: 264
 Ion Ratio Lower Upper
 142 100
 127 11.7 40.8 61.2#
 141 0.0 12.1 18.1#



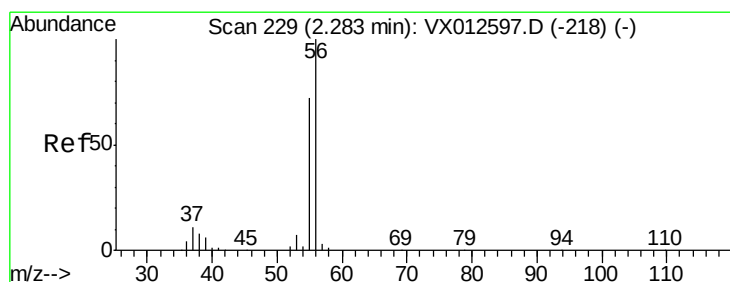
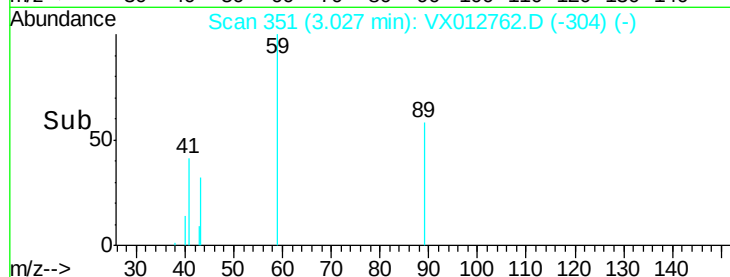
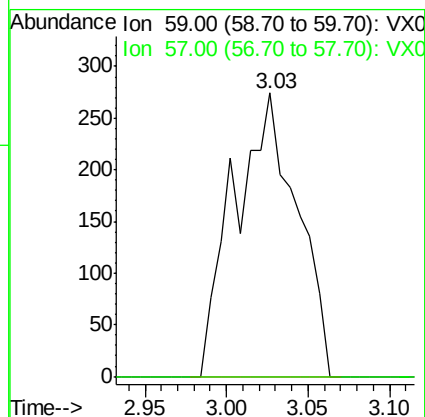
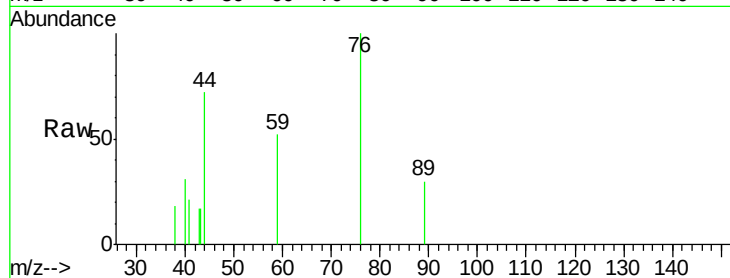


#11

Tert butyl alcohol
Concen: 1.189 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012762.D
Acq: 02 Oct 2019 15:39

Instrument :
MSVOA_X
ClientSampled :

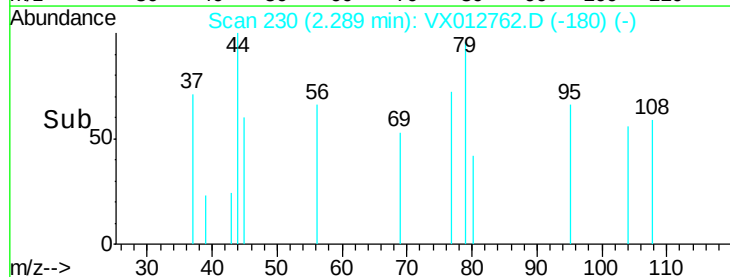
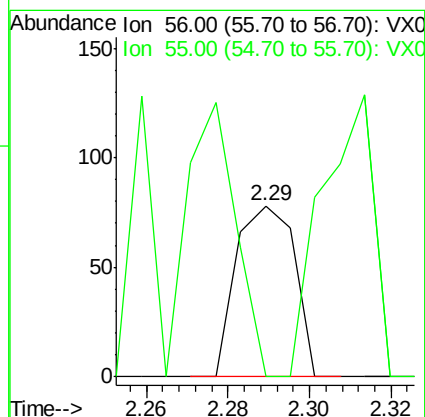
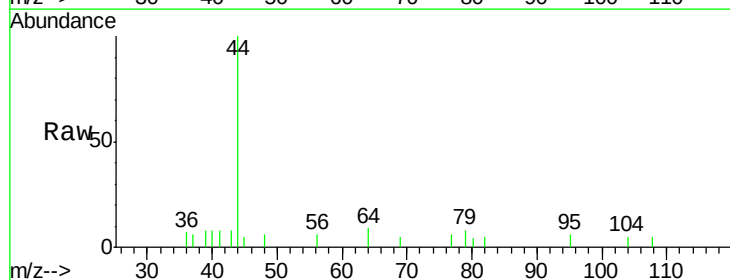
Tot Ion: 59 Resp: 737
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

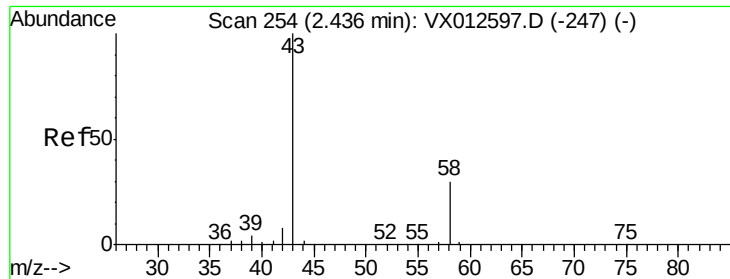


#13

Acrolein
Concen: 10.449 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX012762.D
Acq: 02 Oct 2019 15:39

Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 132.1 55.8 83.8#





#16

Acetone

Concen: 4.074 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012762.D

Acq: 02 Oct 2019 15:39

Instrument :

MSVOA_X

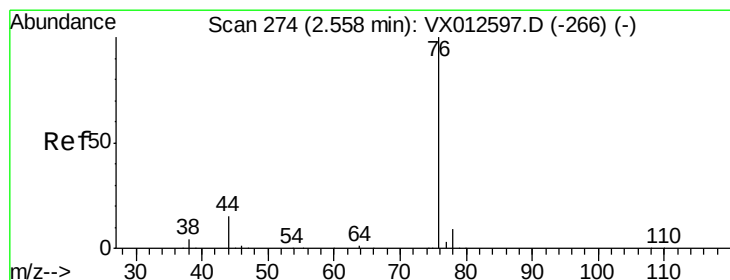
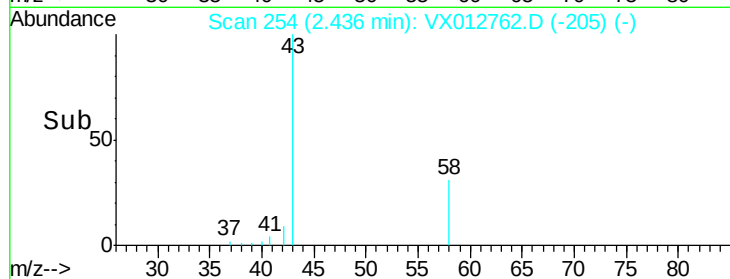
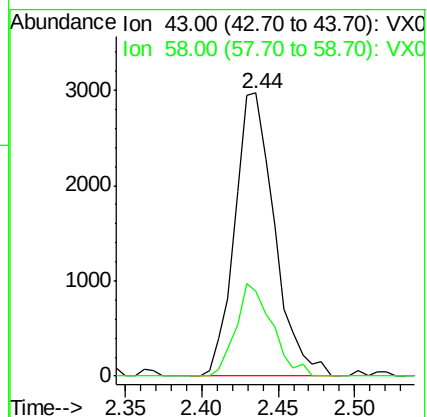
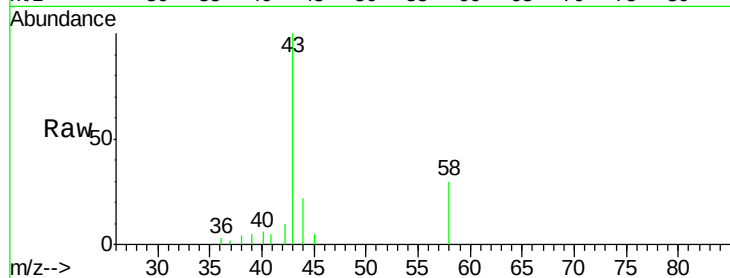
ClientSampled :

Tot Ion: 43 Resp: 5356

Ion Ratio Lower Upper

43 100

58 30.2 23.3 34.9



#17

Carbon Disulfide

Concen: 0.347 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012762.D

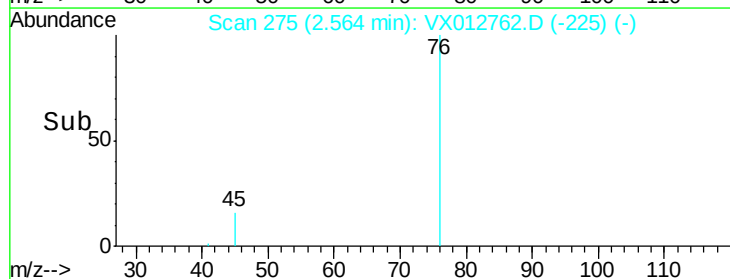
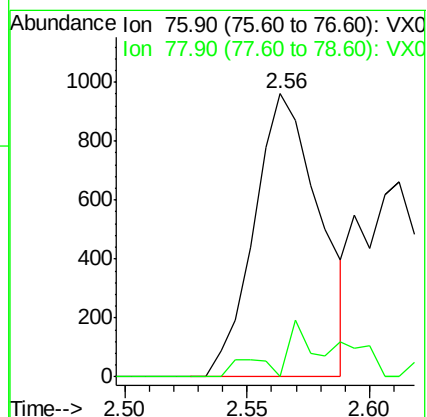
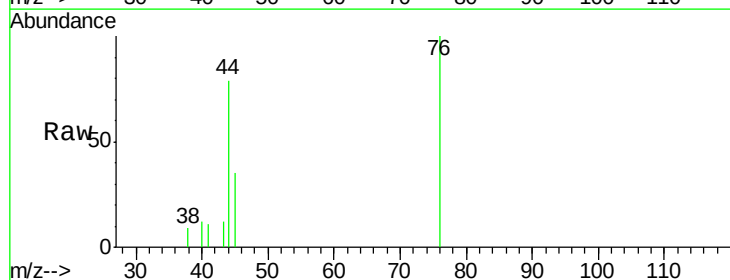
Acq: 02 Oct 2019 15:39

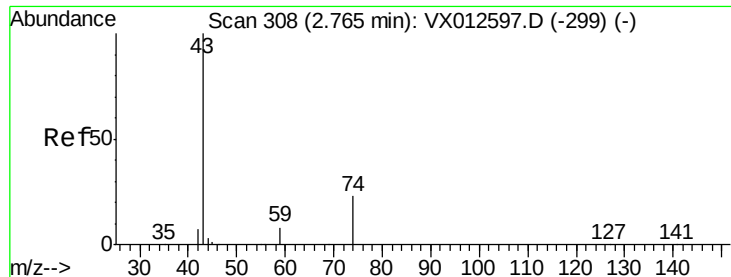
Tgt Ion: 76 Resp: 1785

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

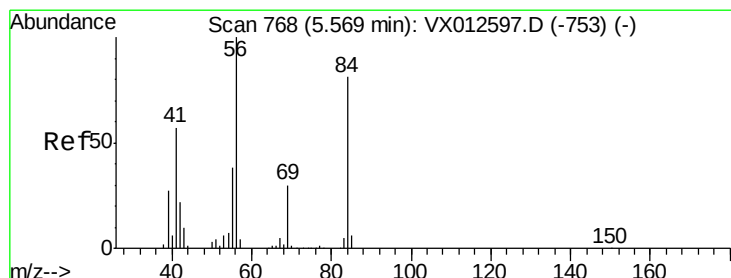
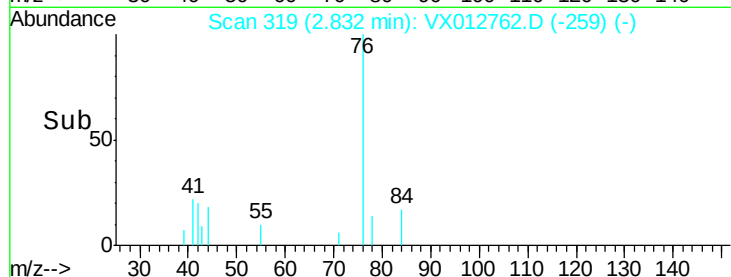
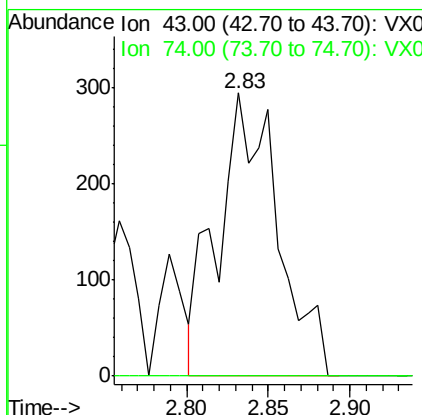
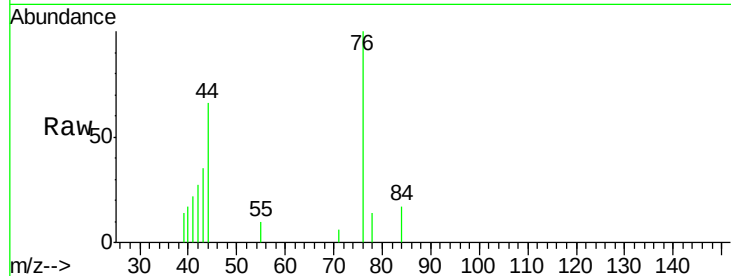




#18
Methvl Acetate
Concen: 0.243 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.07 min
Lab File: VX012762.D
Acq: 02 Oct 2019 15:39

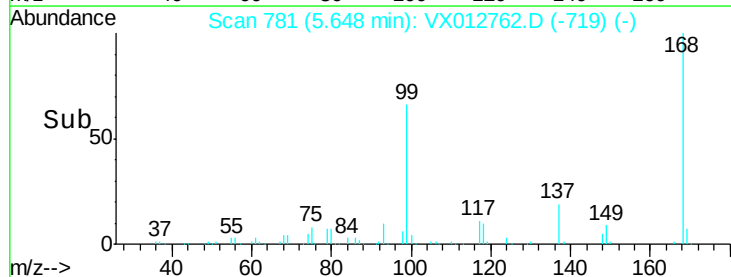
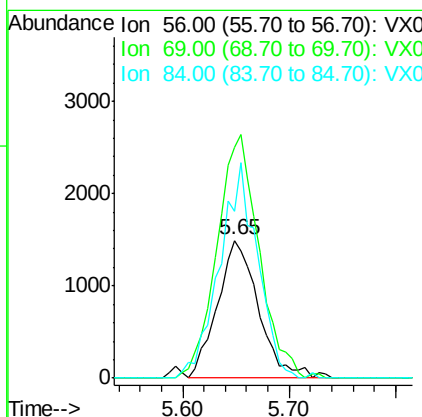
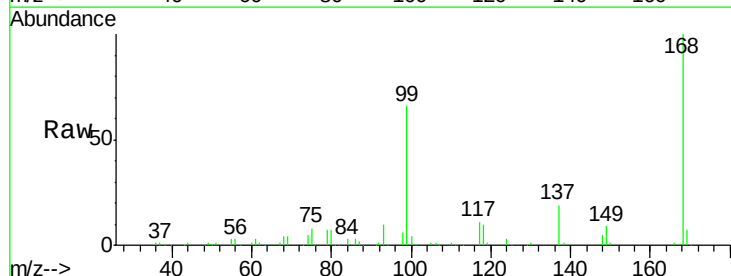
Instrument :
MSVOA_X
ClientSampleId :

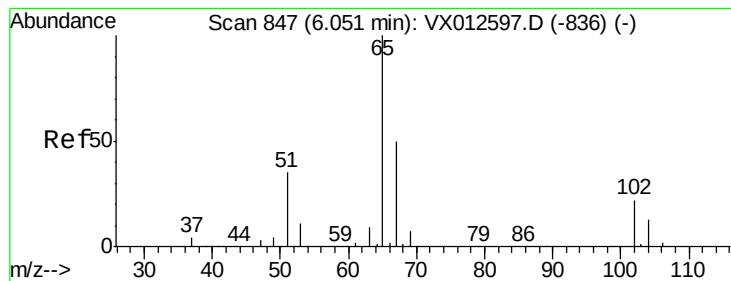
Tot Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012762.D
Acq: 02 Oct 2019 15:39

Tgt Ion: 56 Resp: 4023
Ion Ratio Lower Upper
56 100
69 167.0 25.0 37.6#
84 120.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.676 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012762.D

Acq: 02 Oct 2019 15:39

Instrument :

MSVOA_X

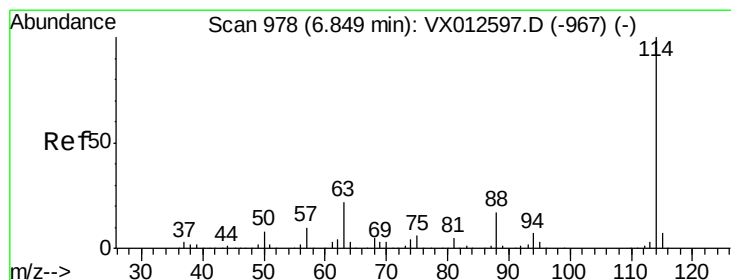
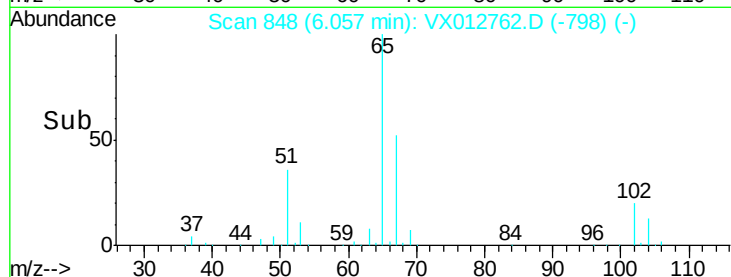
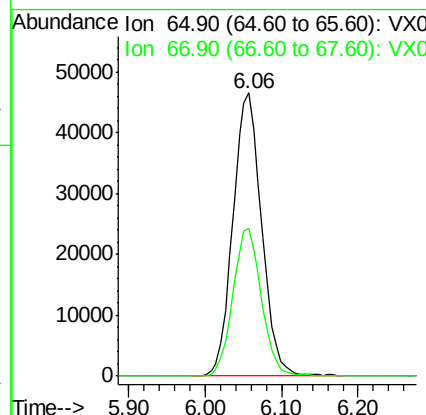
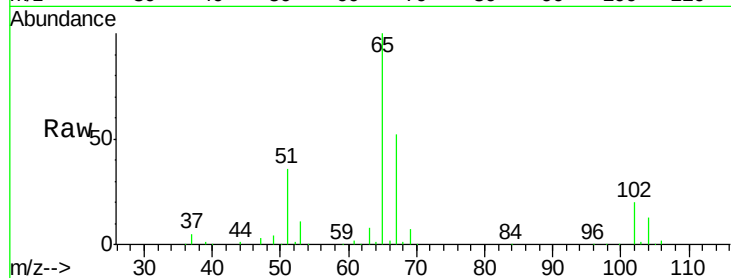
ClientSampleId :

Tot Ion: 65 Resp: 120810

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012762.D

Acq: 02 Oct 2019 15:39

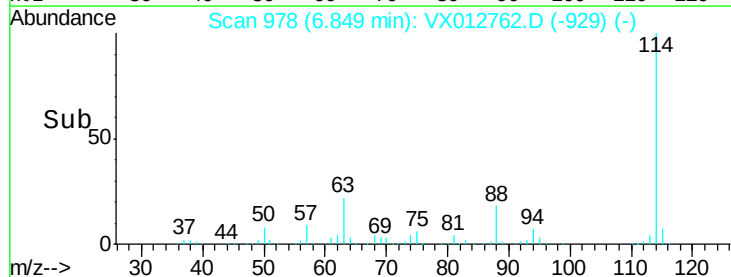
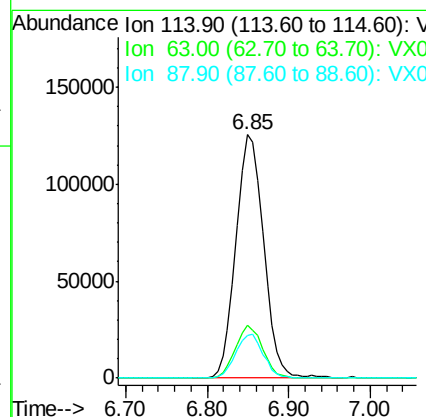
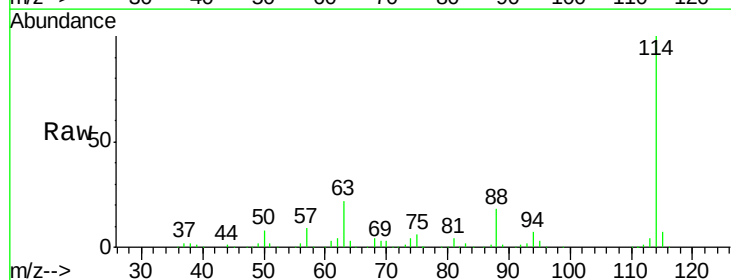
Tgt Ion: 114 Resp: 295395

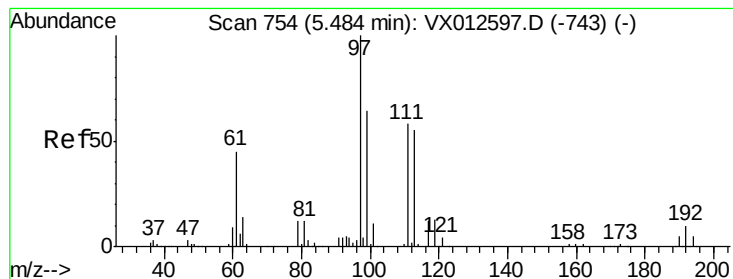
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

88 17.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.411 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012762.D

Acq: 02 Oct 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

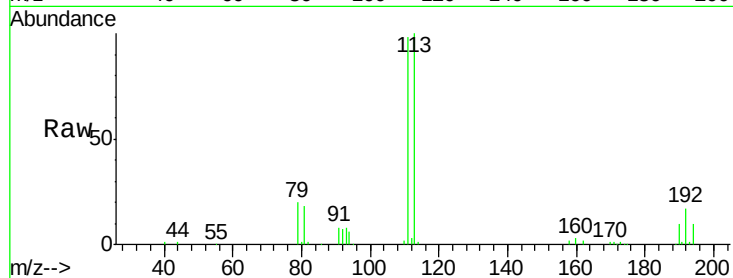
Tot Ion:113 Resp: 90442

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

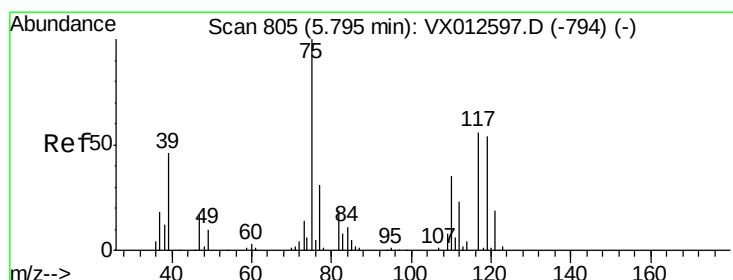
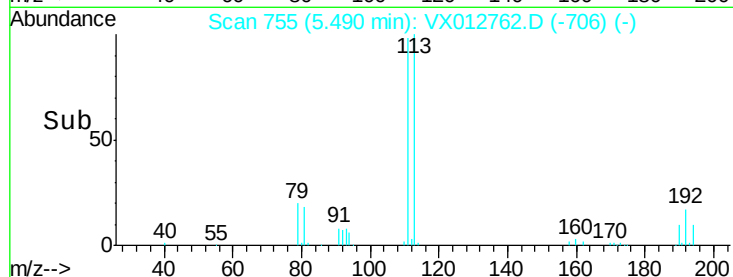
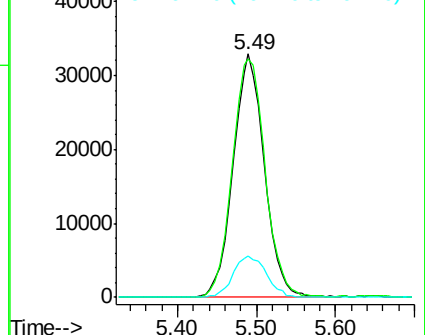
192 18.1 14.4 21.6



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: 4.998 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012762.D

Acq: 02 Oct 2019 15:39

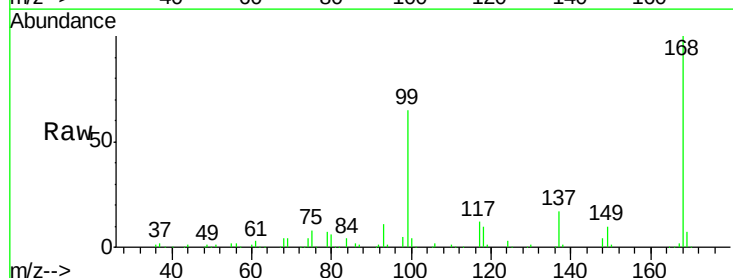
Tgt Ion: 75 Resp: 14230

Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.0#

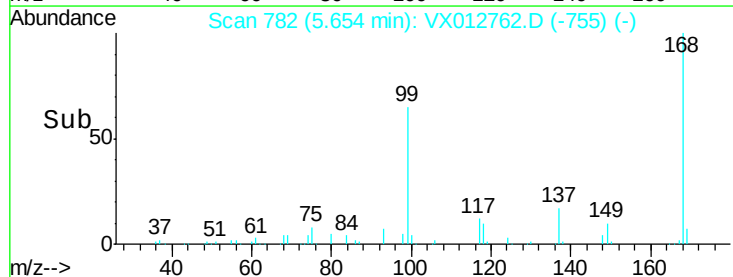
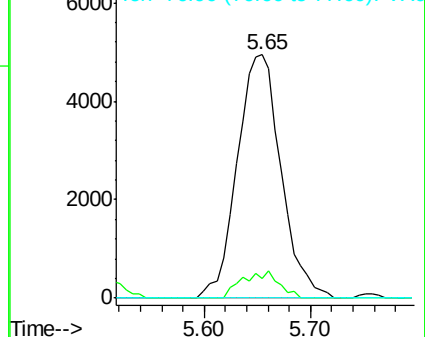
77 0.0 24.2 36.2#

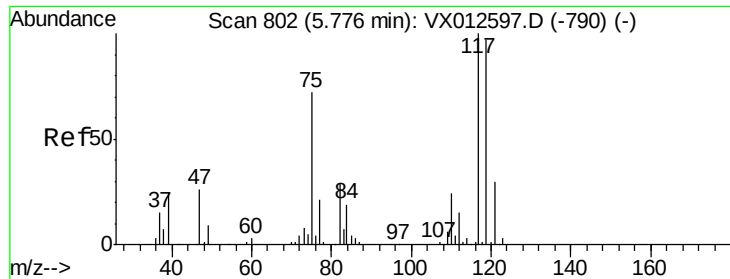


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

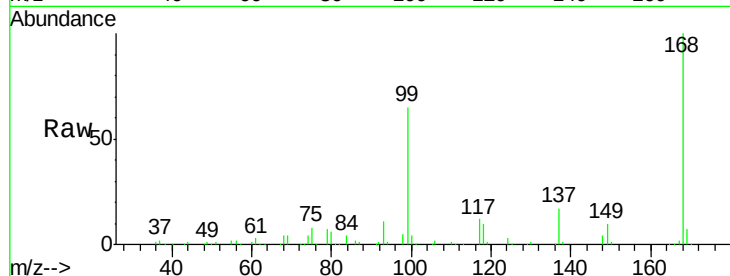




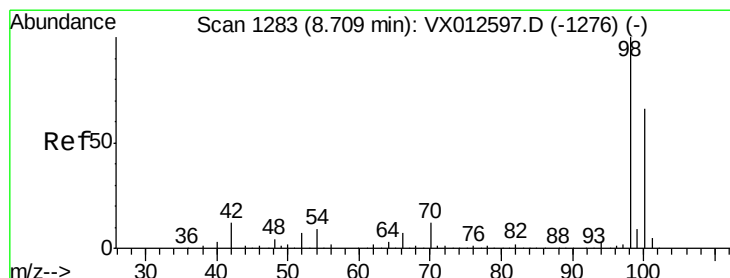
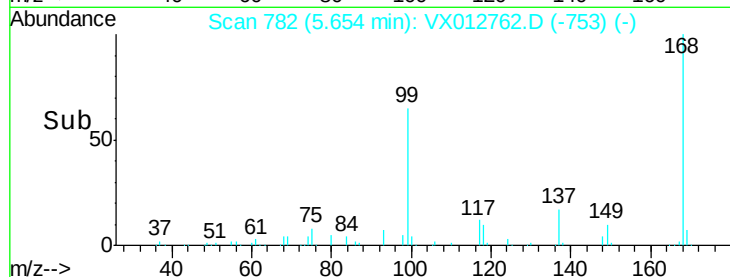
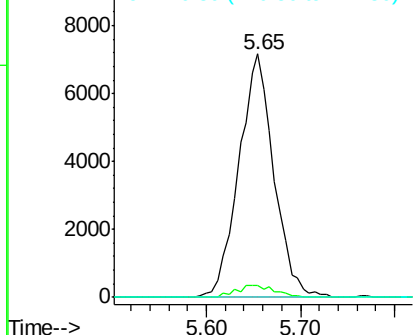
#38
Carbon Tetrachloride
Concen: 6.428 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012762.D
Acq: 02 Oct 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18593
Ion Ratio Lower Upper
117 100
119 4.7 75.7 113.5#
121 0.0 24.2 36.4#

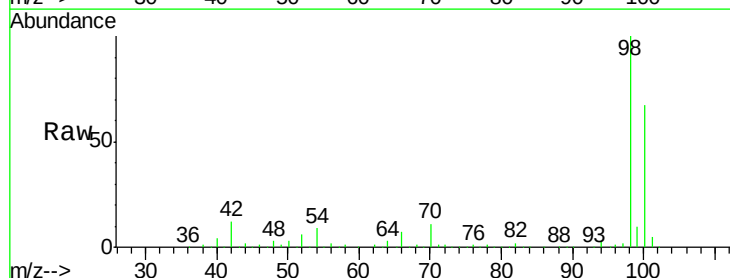


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

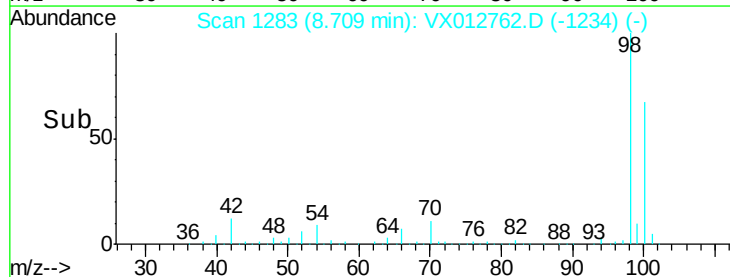
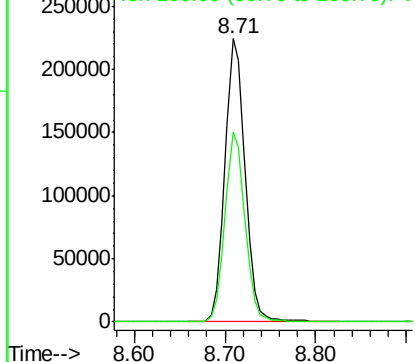


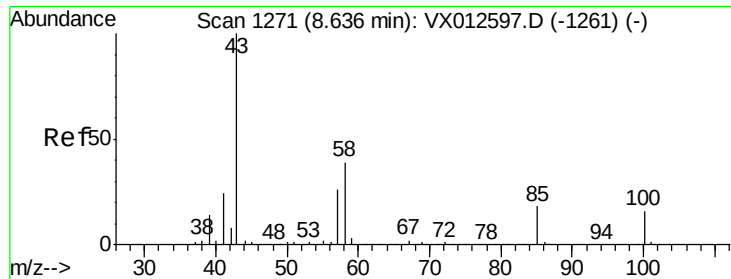
#50
Toluene-d8
Concen: 51.332 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012762.D
Acq: 02 Oct 2019 15:39

Tgt Ion: 98 Resp: 347765
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.505 ug/l

RT: 8.71 min Scan# 1284

Delta R.T. 0.08 min

Lab File: VX012762.D

Acq: 02 Oct 2019 15:39

Instrument :

MSVOA_X

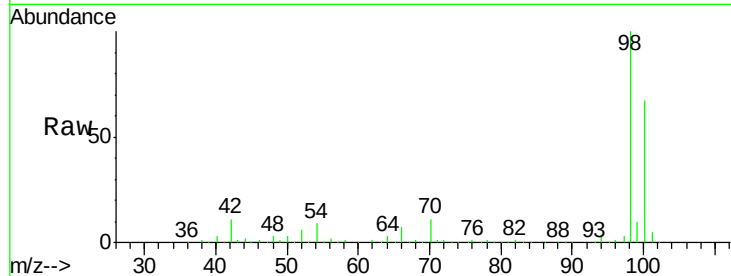
ClientSampled :

Tot Ion: 43 Resp: 1736

Ion Ratio Lower Upper

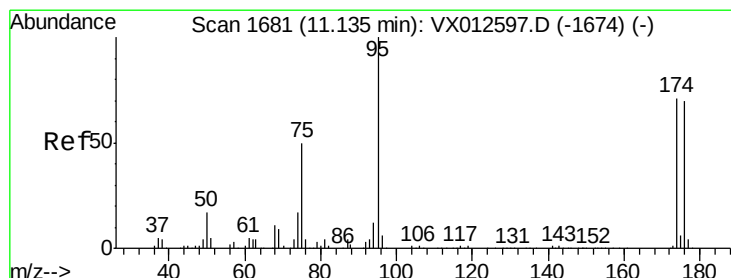
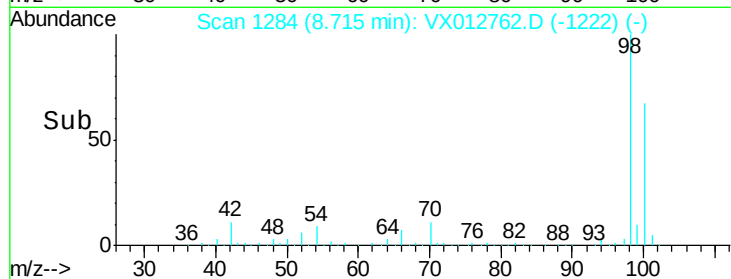
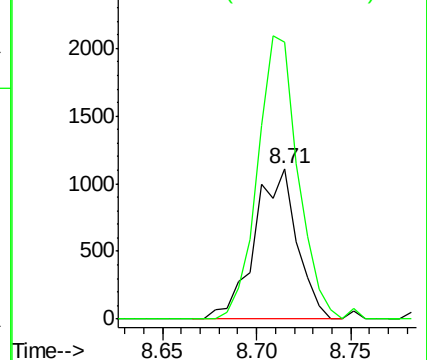
43 100

58 178.6 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 42.077 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012762.D

Acq: 02 Oct 2019 15:39

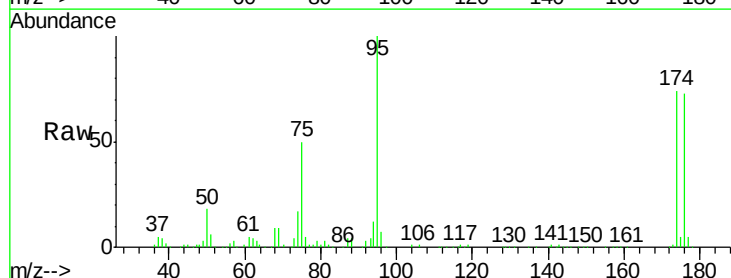
Tgt Ion: 95 Resp: 112089

Ion Ratio Lower Upper

95 100

174 70.5 0.0 140.0

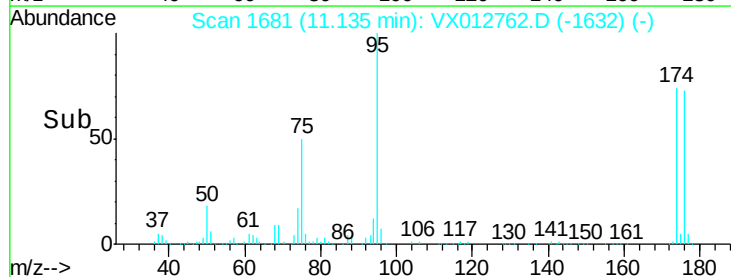
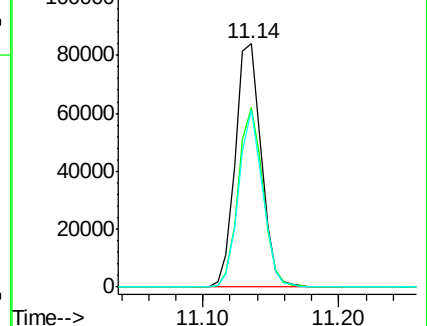
176 67.0 0.0 135.4

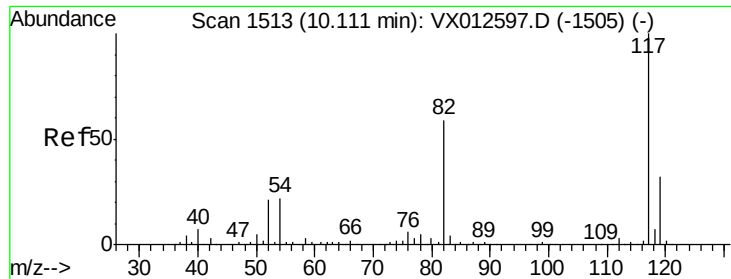


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

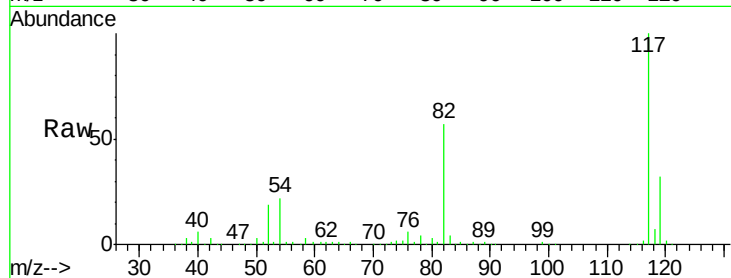




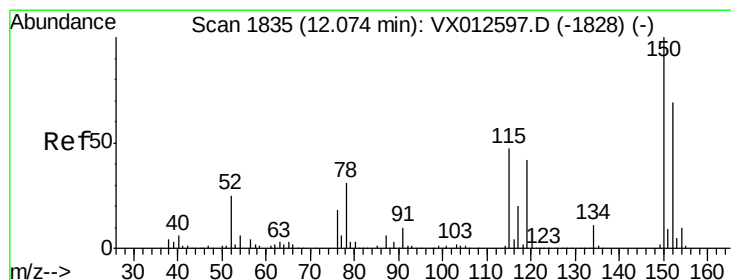
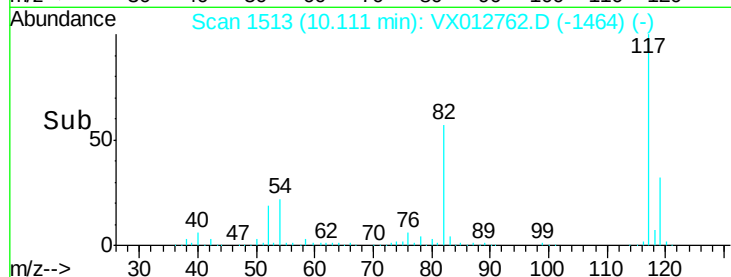
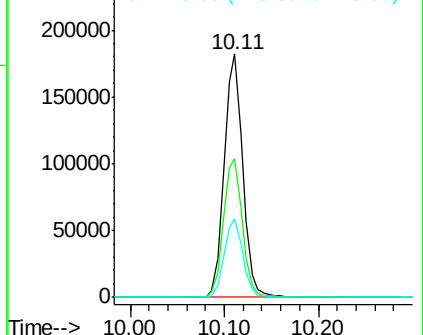
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012762.D
Acq: 02 Oct 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 247547
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 32.0 25.3 37.9

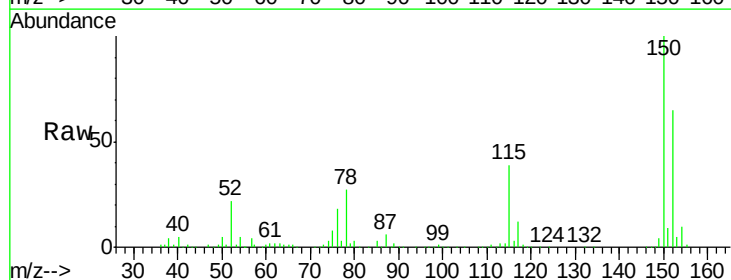


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

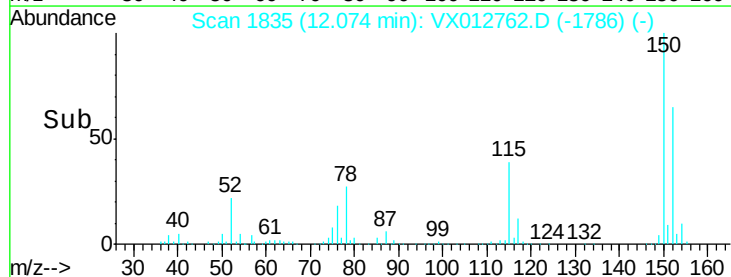
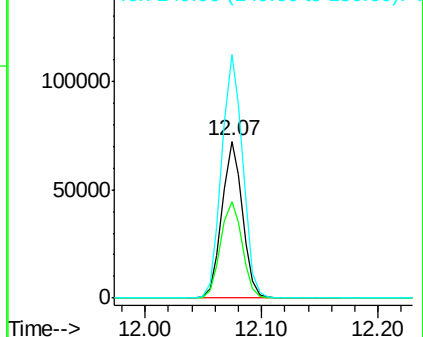


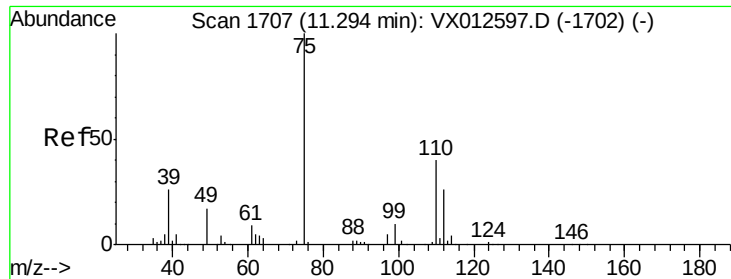
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012762.D
Acq: 02 Oct 2019 15:39

Tgt Ion:152 Resp: 88154
Ion Ratio Lower Upper
152 100
115 64.5 44.1 132.3
150 159.3 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: 24.177 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012762.D

Acq: 02 Oct 2019 15:39

Instrument :

MSVOA_X

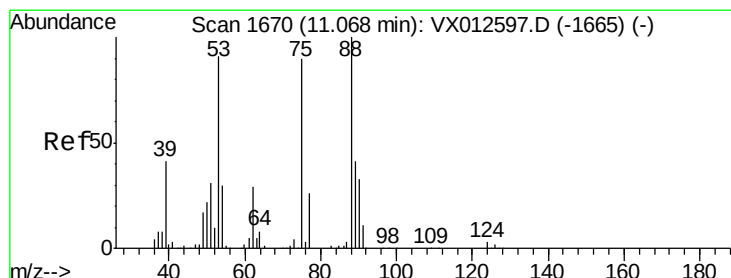
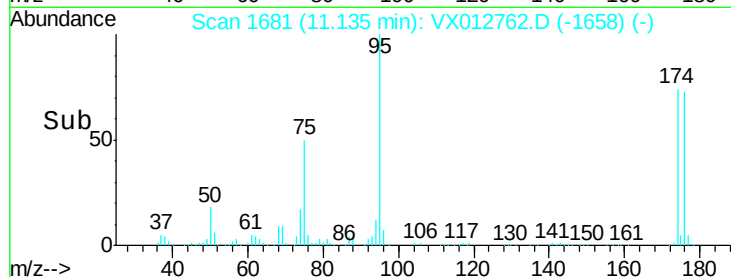
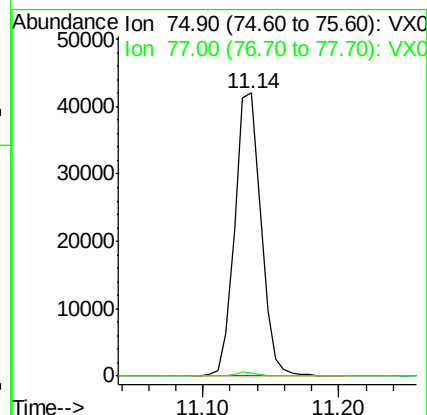
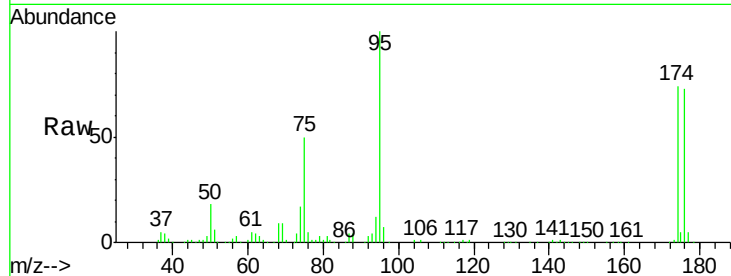
ClientSampleId :

Tot Ion: 75 Resp: 56379

Ion Ratio Lower Upper

75 100

77 1.2 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.287 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012762.D

Acq: 02 Oct 2019 15:39

Tgt Ion: 75 Resp: 56379

Ion Ratio Lower Upper

75 100

53 0.1 83.6 125.4#

89 0.0 36.3 54.5#

