

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081319\
 Data File : VX011542.D
 Acq On : 13 Aug 2019 17:38
 Operator : JC/SP
 Sample : K4336-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS037-190812

Quant Time: Aug 14 01:09:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	198812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300424	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124314	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	110754	55.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.64%	
35) Dibromofluoromethane	5.49	113	91172	46.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.96%	
50) Toluene-d8	8.71	98	348646	47.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.13	95	118711	44.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.82%	

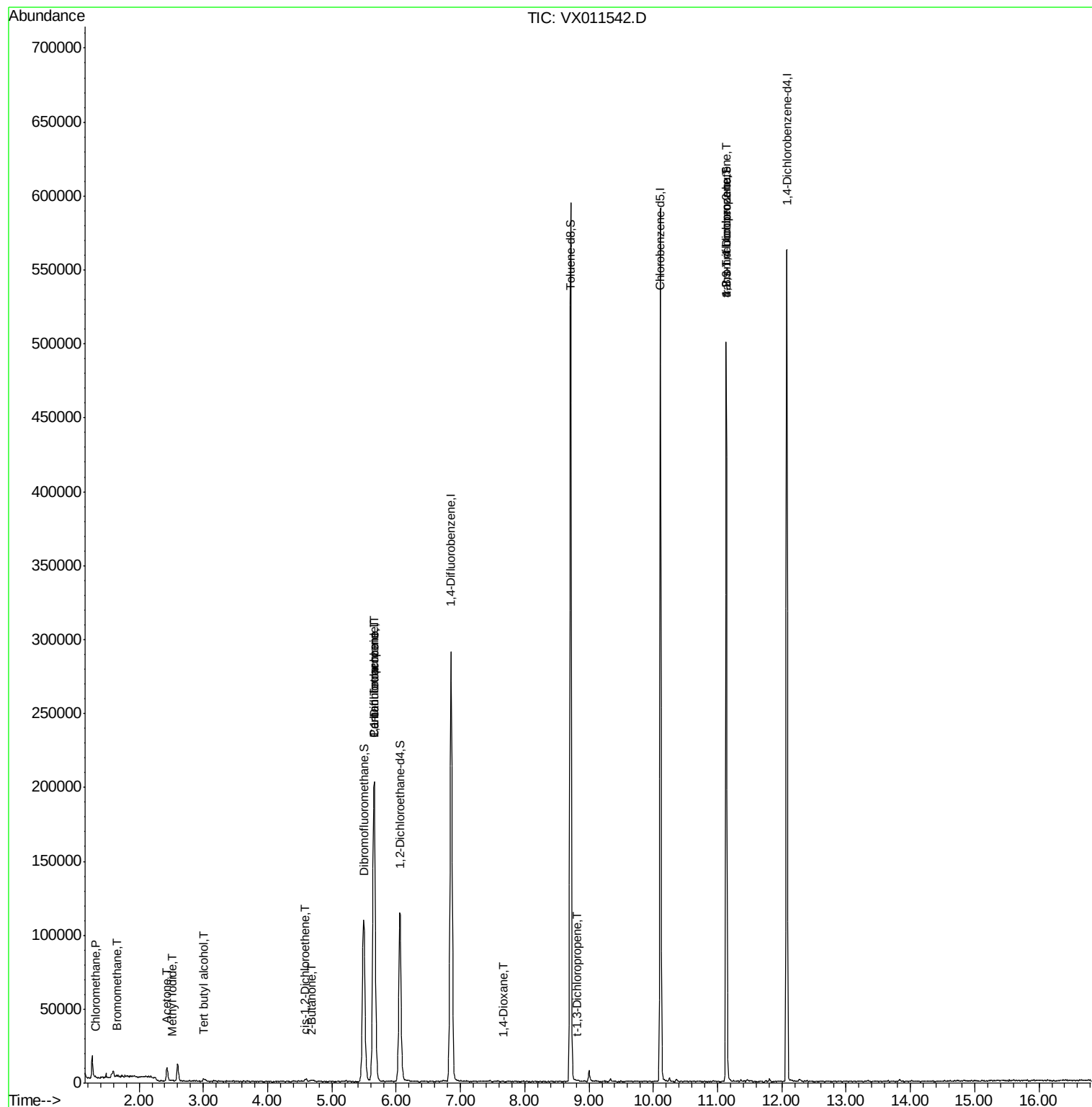
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	734	0.426	ug/l	91
5) Bromomethane	1.65	94	649	0.480	ug/l #	36
6) Chloroethane	1.73	64	175	Below Cal	#	59
10) Methyl Iodide	2.51	142	592	0.257	ug/l #	96
11) Tert butyl alcohol	3.01	59	1338	3.374	ug/l #	83
13) Acrolein	2.29	56	21	Below Cal	#	1
16) Acetone	2.43	43	9560	10.032	ug/l	95
25) 2-Butanone	4.68	43	348	0.257	ug/l #	46
27) cis-1,2-Dichloroethene	4.58	96	970	0.440	ug/l	98
36) 1,1-Dichloropropene	5.66	75	13680	5.215	ug/l #	48
38) Carbon Tetrachloride	5.66	117	18924	7.171	ug/l #	15
49) 1,4-Dioxane	7.67	88	39	0.680	ug/l #	1
53) t-1,3-Dichloropropene	8.82	75	19	2.845	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	62811	27.744	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	62811	71.904	ug/l #	10

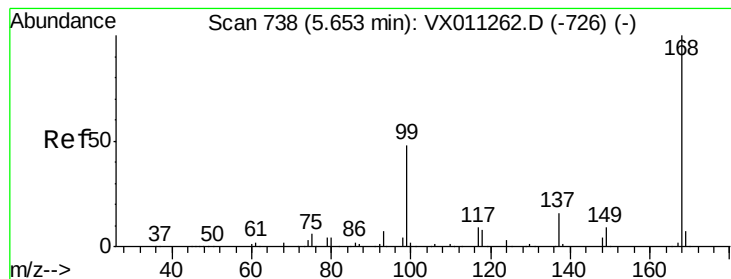
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081319\
Data File : VX011542.D
Acq On : 13 Aug 2019 17:38
Operator : JC/SP
Sample : K4336-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-190812

Quant Time: Aug 14 01:09:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011542.D

Acq: 13 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

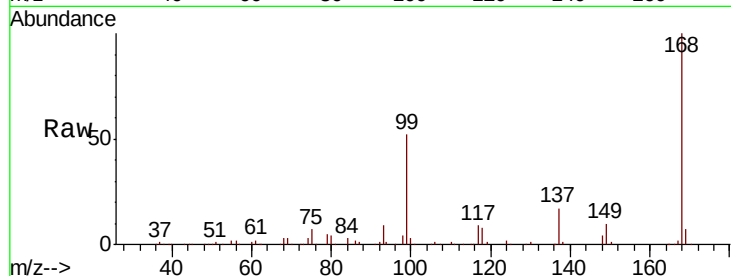
KY038PS037-190812

Tgt Ion:168 Resp: 198812

Ion Ratio Lower Upper

168 100

99 52.0 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

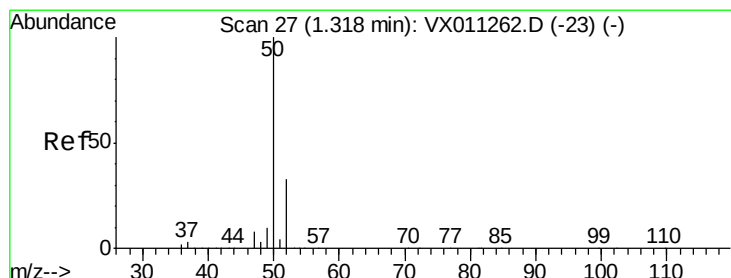
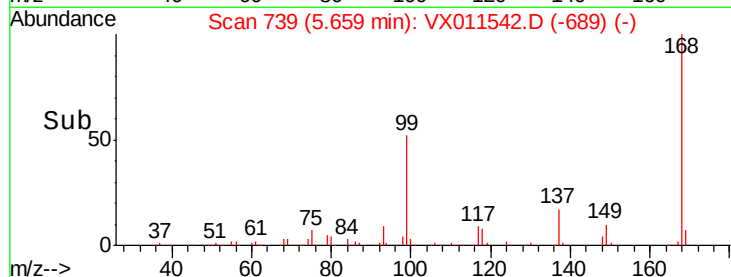
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.426 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011542.D

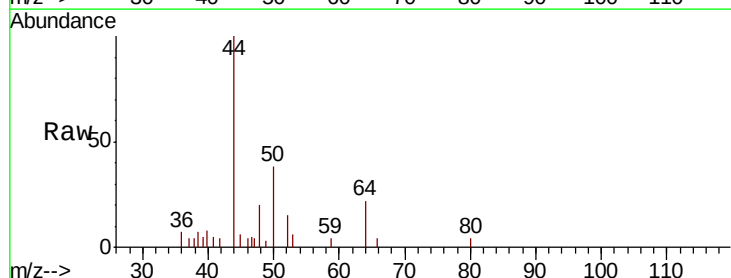
Acq: 13 Aug 2019 17:38

Tgt Ion: 50 Resp: 734

Ion Ratio Lower Upper

50 100

52 38.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

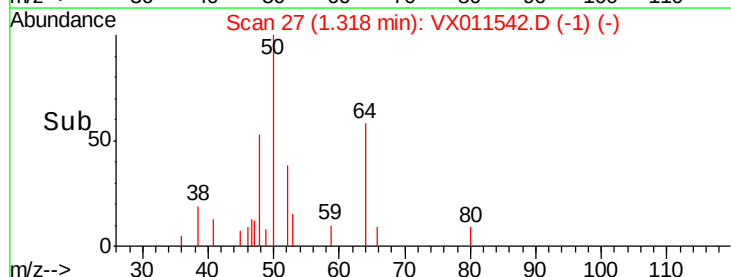
400

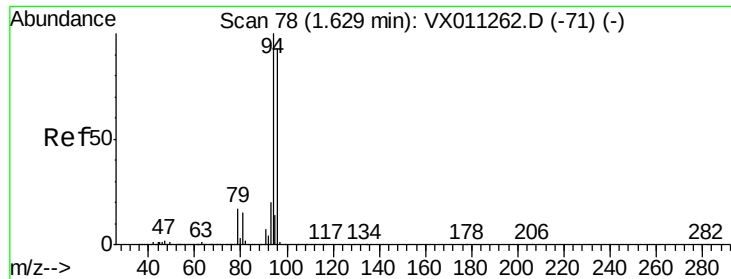
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.480 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011542.D

Acq: 13 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

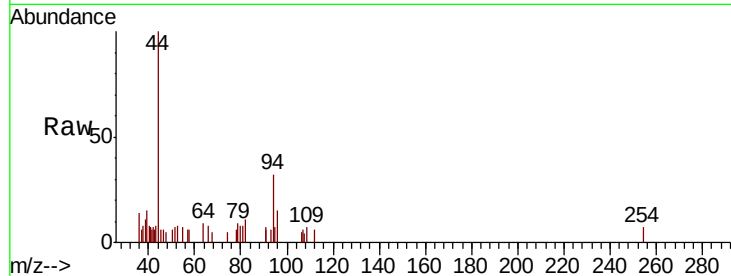
KY038PS037-190812

Tgt Ion: 94 Resp: 649

Ion Ratio Lower Upper

94 100

96 31.8 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

200

100

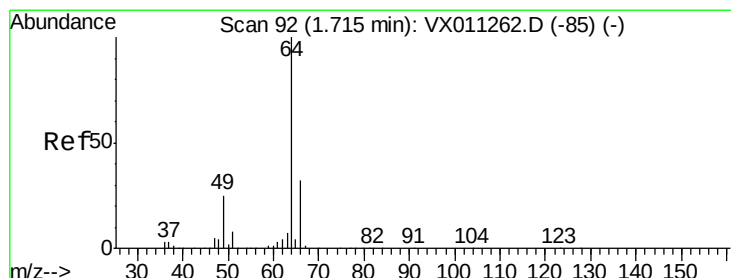
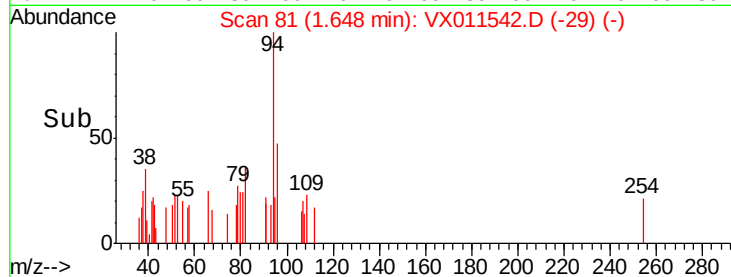
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011542.D

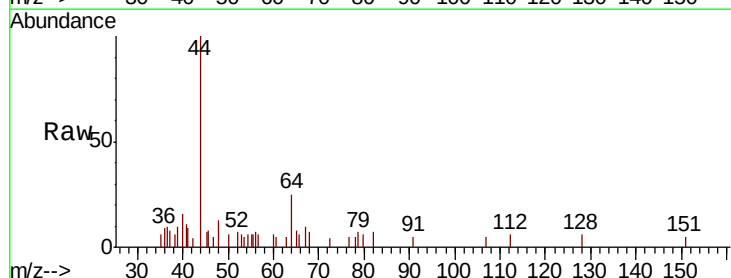
Acq: 13 Aug 2019 17:38

Tgt Ion: 64 Resp: 175

Ion Ratio Lower Upper

64 100

66 54.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

300

200

100

0

1.71

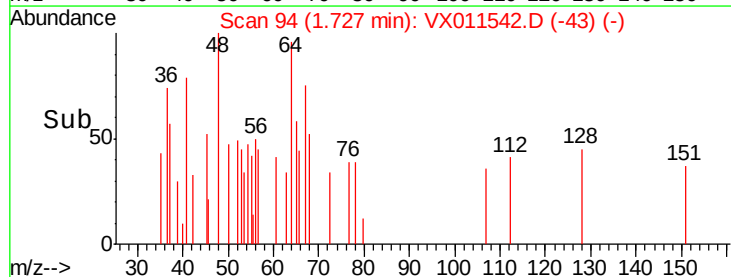
1.72

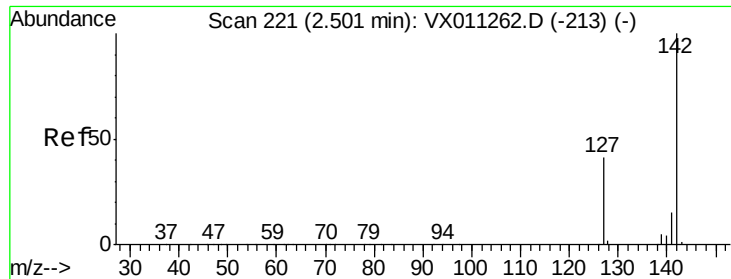
1.73

1.74

1.75

Time-->

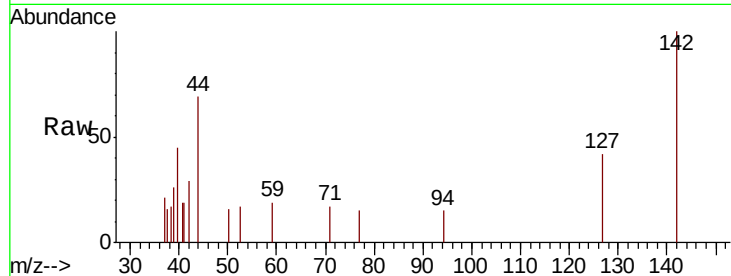




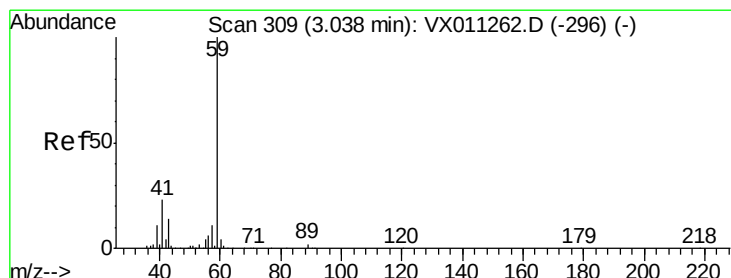
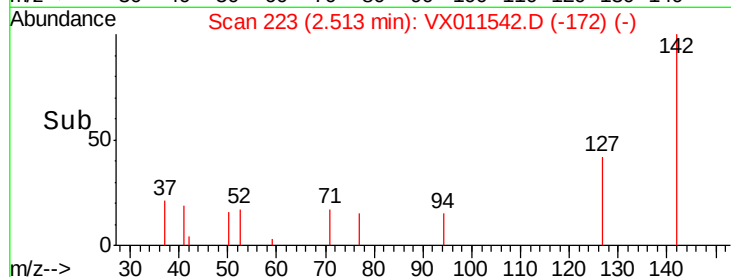
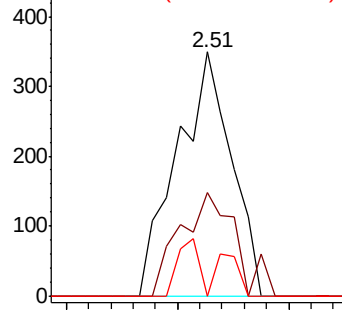
#10
Methyl Iodide
Concen: 0.257 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011542.D
Acq: 13 Aug 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-190812

Tgt Ion: 142 Resp: 592
Ion Ratio Lower Upper
142 100
127 43.1 33.8 50.8
141 9.1 11.4 17.2#

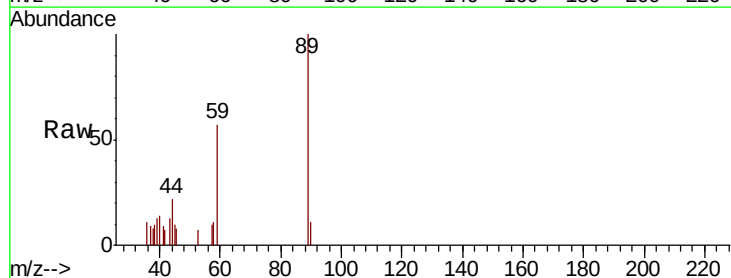


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

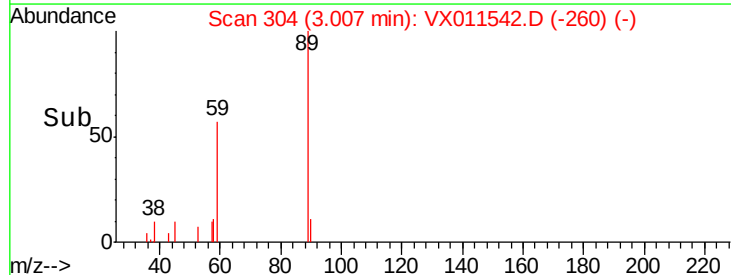
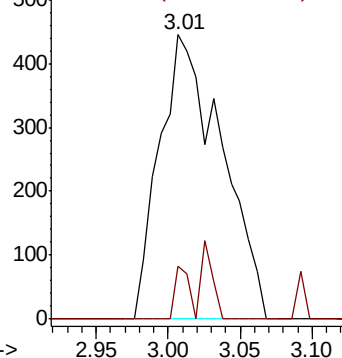


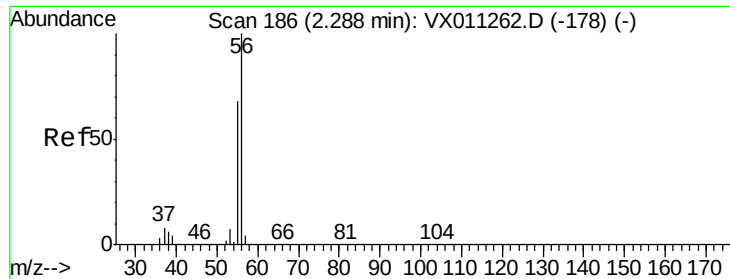
#11
Tert butyl alcohol
Concen: 3.374 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011542.D
Acq: 13 Aug 2019 17:38

Tgt Ion: 59 Resp: 1338
Ion Ratio Lower Upper
59 100
57 4.1 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011542.D

Acq: 13 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

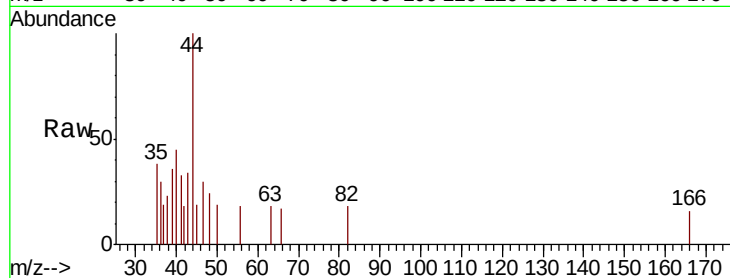
KY038PS037-190812

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

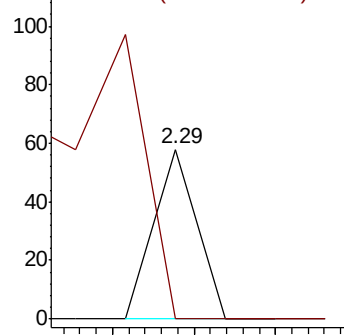
56 100

55 390.5 56.0 84.0#

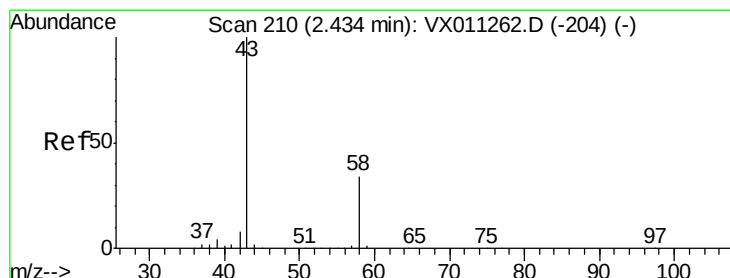
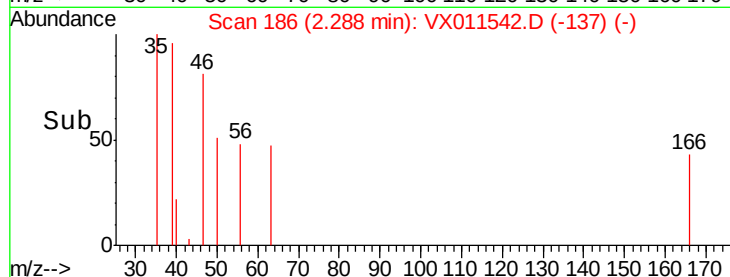


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 10.032 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011542.D

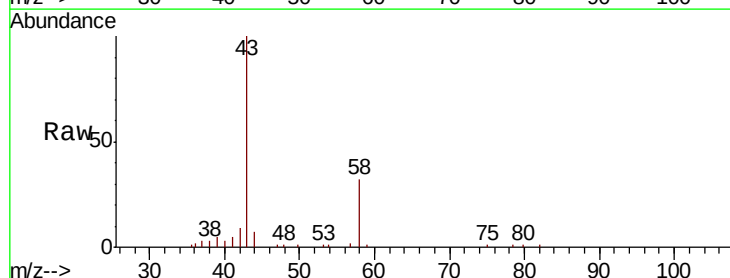
Acq: 13 Aug 2019 17:38

Tgt Ion: 43 Resp: 9560

Ion Ratio Lower Upper

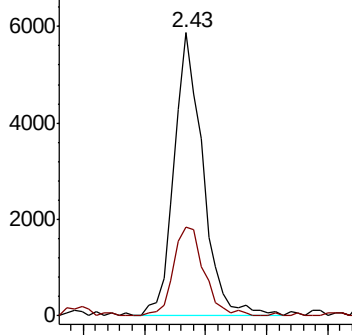
43 100

58 31.6 27.4 41.0

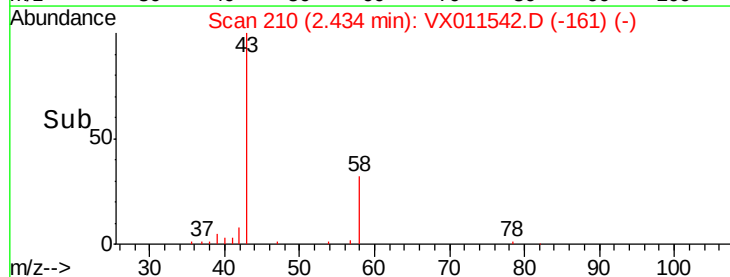


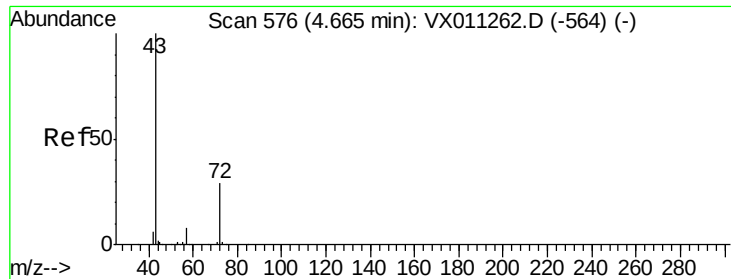
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#25

2-Butanone

Concen: 0.257 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011542.D

Acq: 13 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

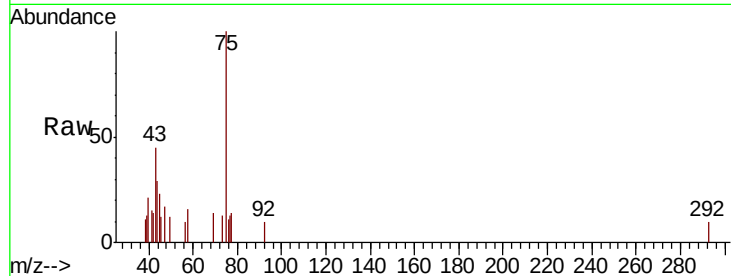
KY038PS037-190812

Tgt Ion: 43 Resp: 348

Ion Ratio Lower Upper

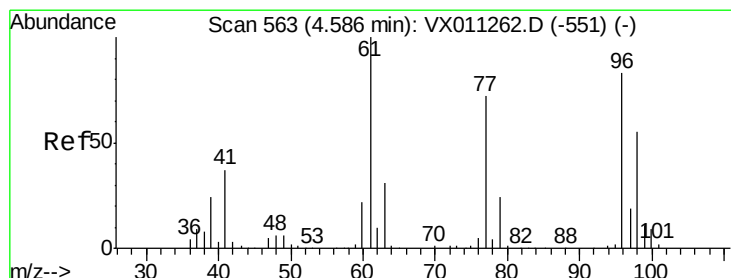
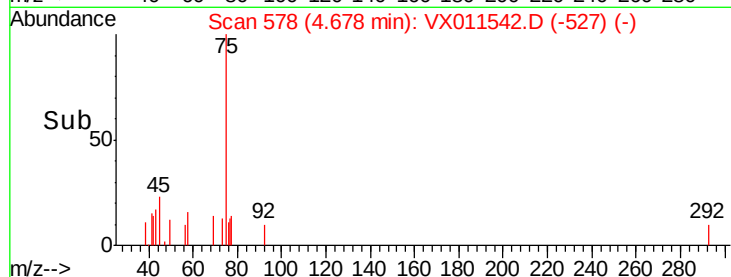
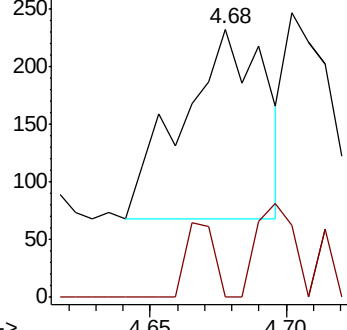
43 100

72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.440 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX011542.D

Acq: 13 Aug 2019 17:38

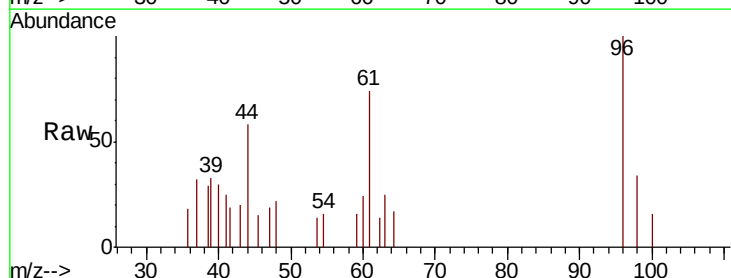
Tgt Ion: 96 Resp: 970

Ion Ratio Lower Upper

96 100

61 127.0 0.0 260.2

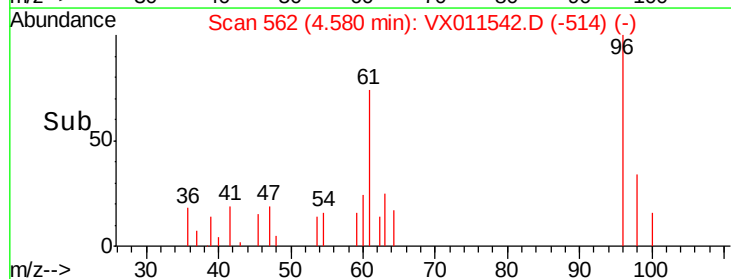
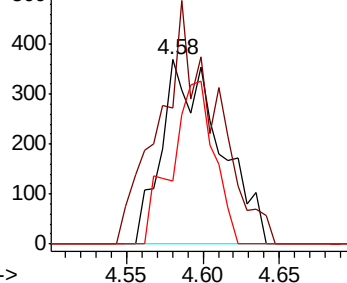
98 65.1 0.0 133.2

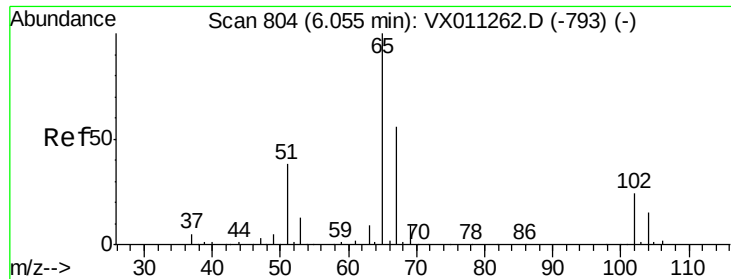


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

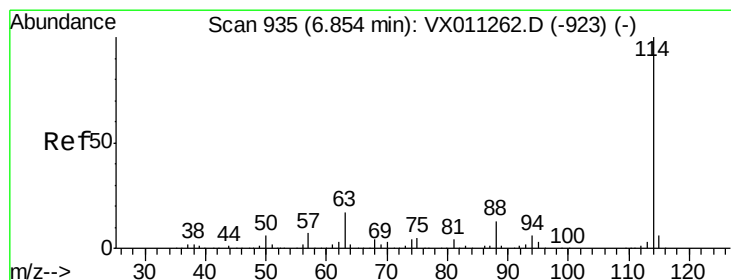
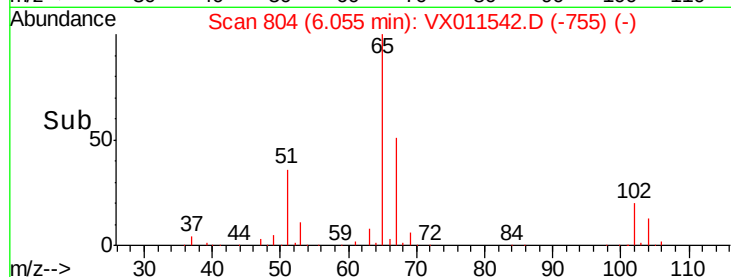
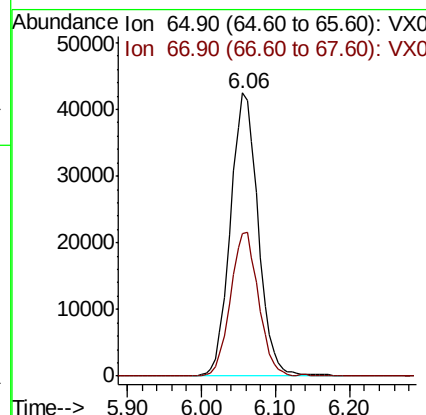
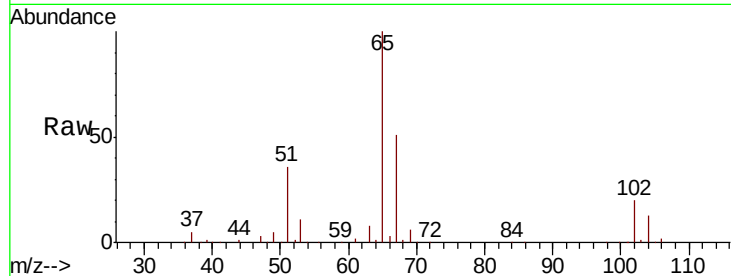




#33
 1,2-Dichloroethane-d4
 Concen: 55.318 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011542.D
 Acq: 13 Aug 2019 17:38

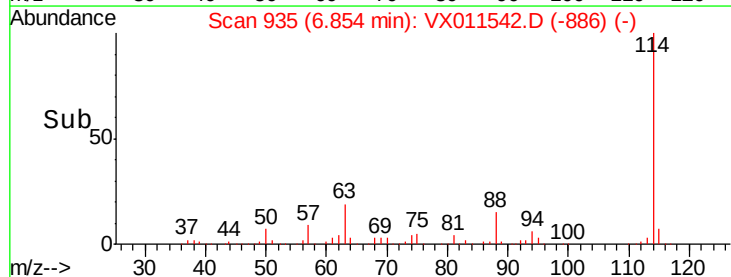
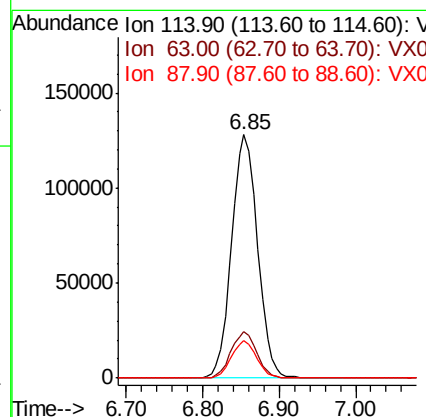
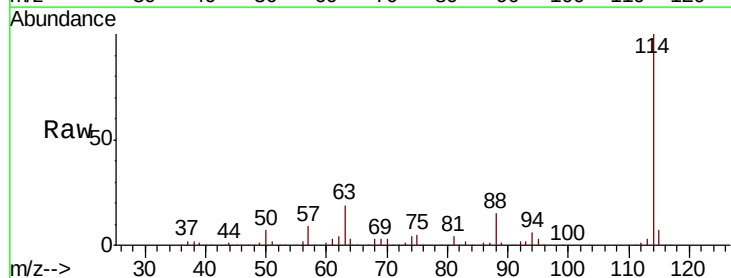
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS037-190812

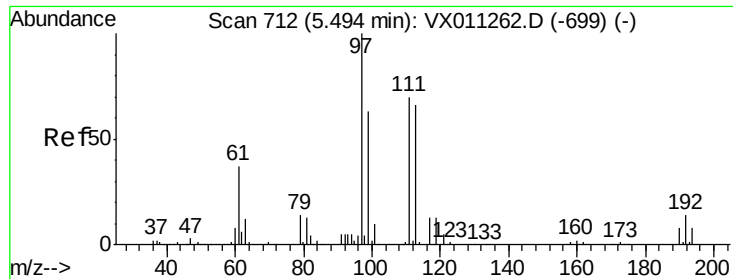
Tgt Ion: 65 Resp: 110754
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011542.D
 Acq: 13 Aug 2019 17:38

Tgt Ion: 114 Resp: 300424
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 34.0
 88 15.4 0.0 26.4

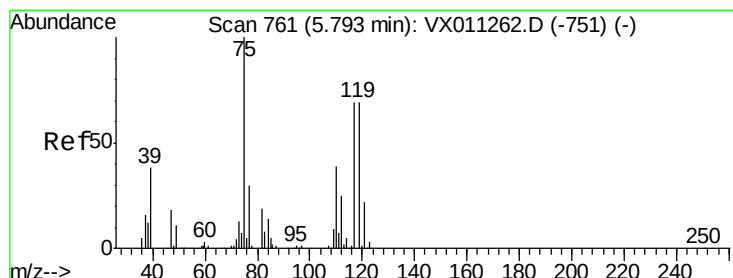
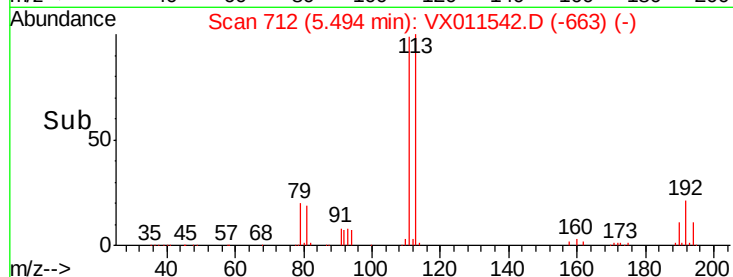
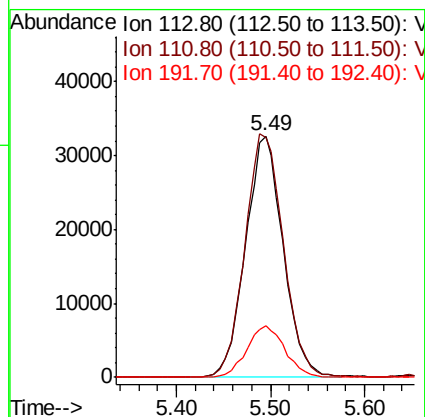
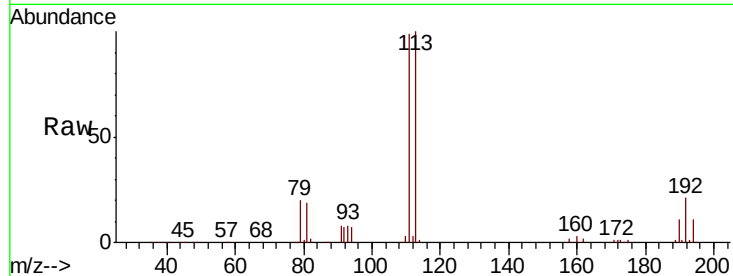




#35
 Dibromofluoromethane
 Concen: 46.483 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011542.D
 Acq: 13 Aug 2019 17:38

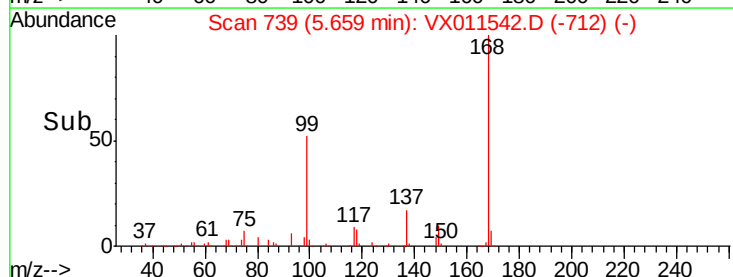
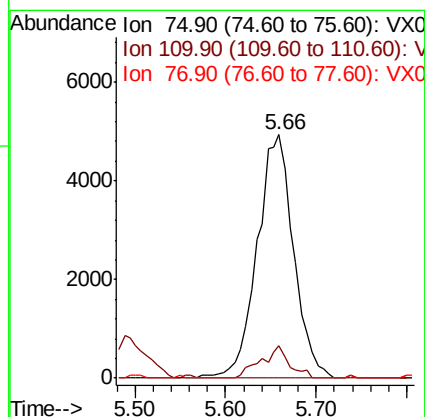
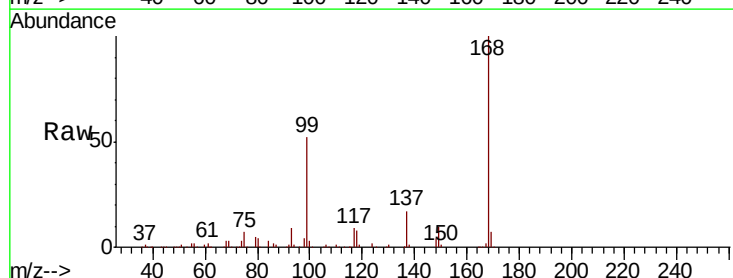
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS037-190812

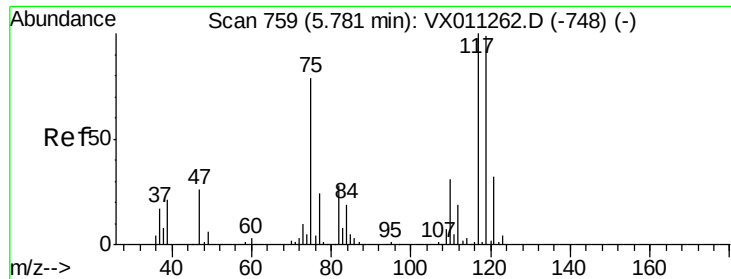
Tgt Ion:113 Resp: 91172
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.9 122.9
 192 21.6 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.215 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011542.D
 Acq: 13 Aug 2019 17:38

Tgt Ion: 75 Resp: 13680
 Ion Ratio Lower Upper
 75 100
 110 10.3 20.0 59.9#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.171 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011542.D

Acq: 13 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-190812

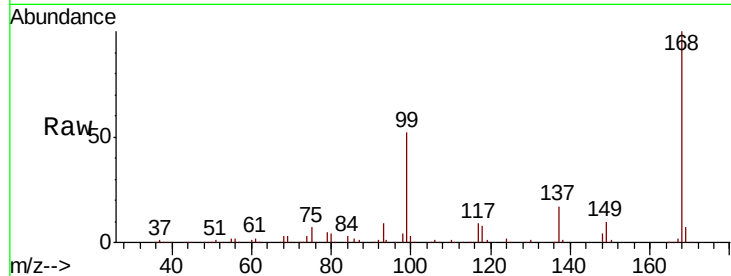
Tgt Ion:117 Resp: 18924

Ion Ratio Lower Upper

117 100

119 5.6 79.0 118.4#

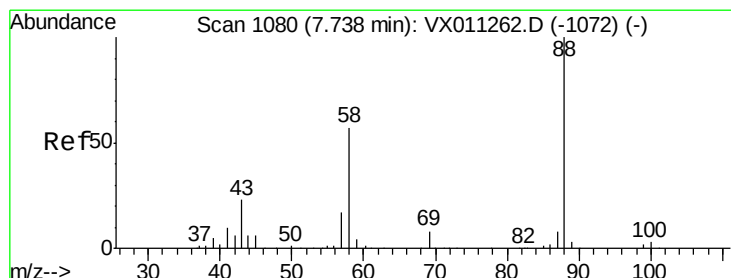
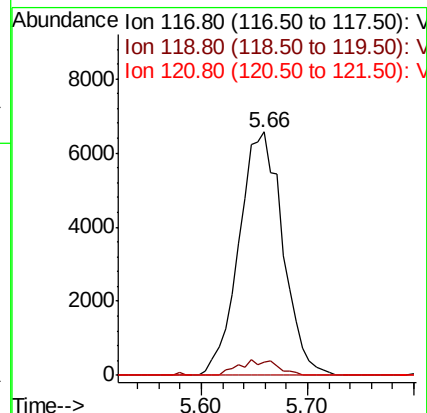
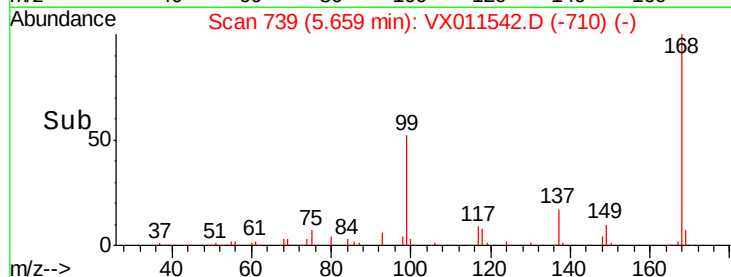
121 0.0 25.9 38.9#



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: 0.680 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. -0.07 min

Lab File: VX011542.D

Acq: 13 Aug 2019 17:38

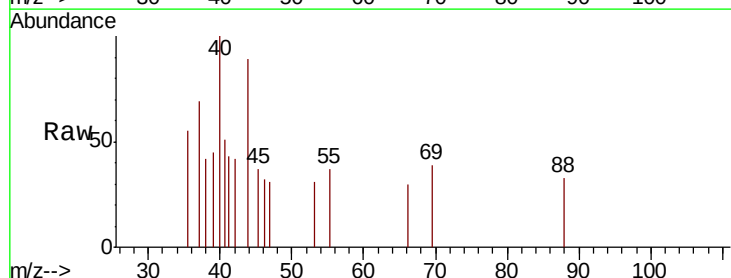
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 384.6 22.2 33.2#

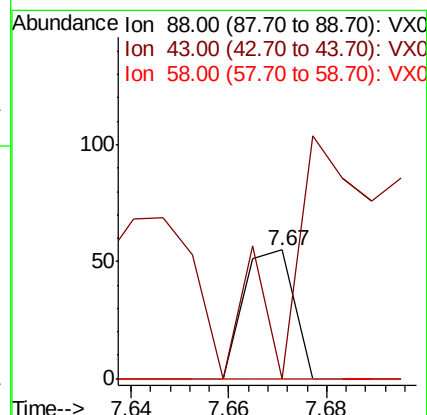
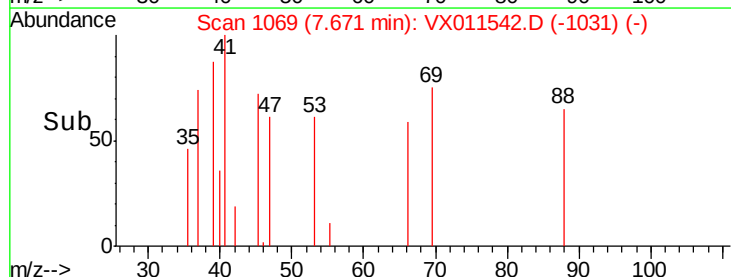
58 0.0 47.8 71.8#

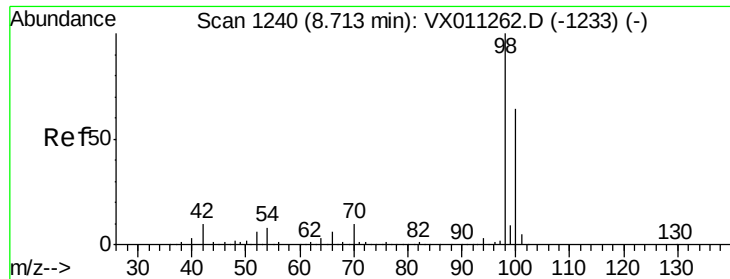


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

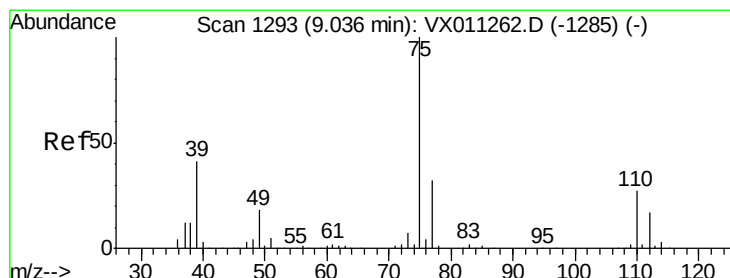
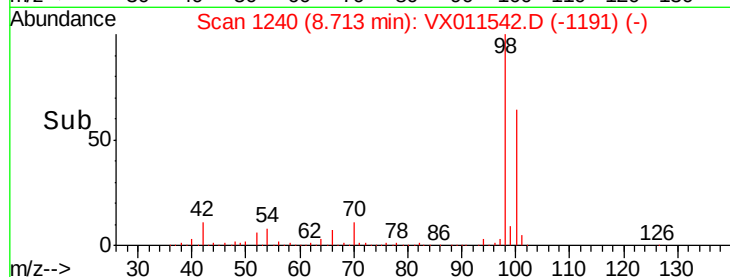
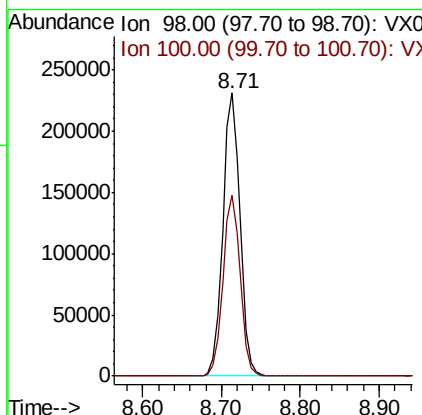
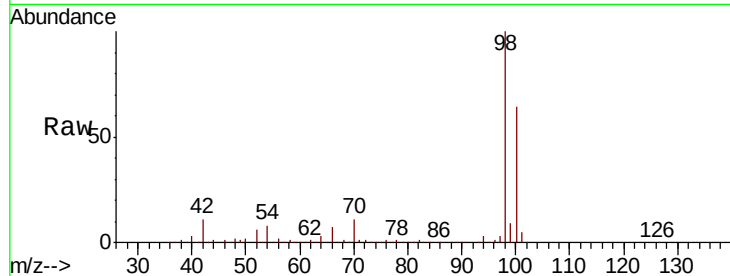




#50
Toluene-d8
Concen: 47.091 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011542.D
Acq: 13 Aug 2019 17:38

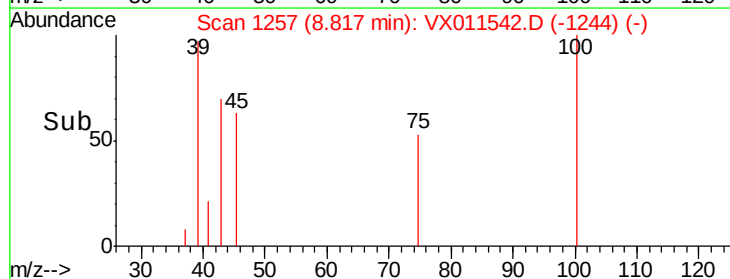
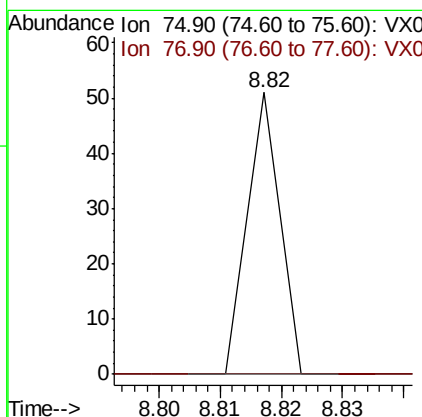
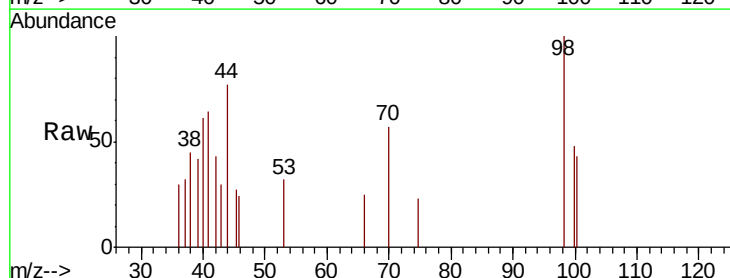
Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-190812

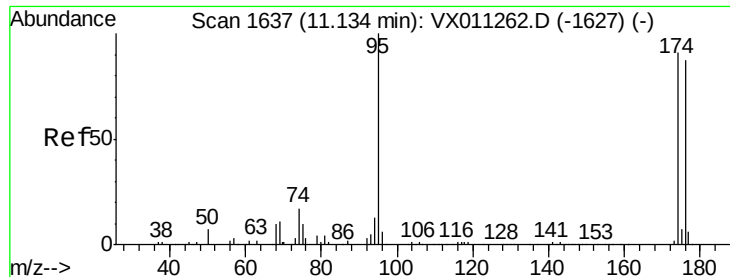
Tgt Ion: 98 Resp: 348646
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 2.845 ug/l
RT: 8.82 min Scan# 1257
Delta R.T. -0.22 min
Lab File: VX011542.D
Acq: 13 Aug 2019 17:38

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

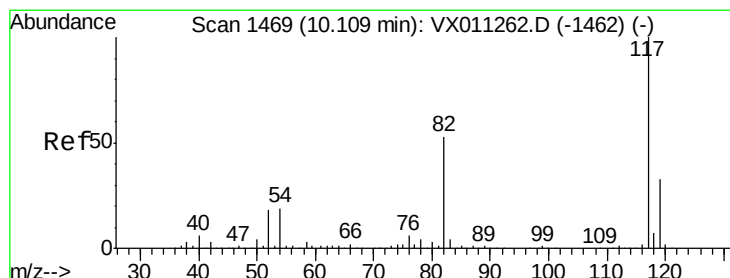
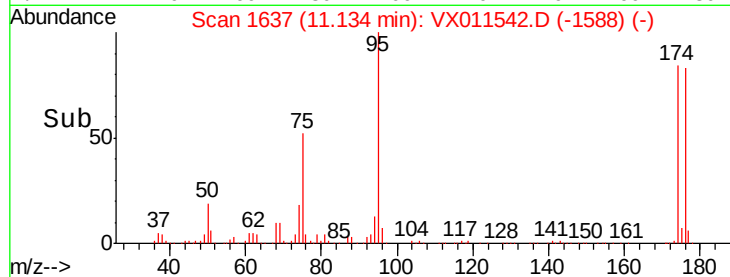
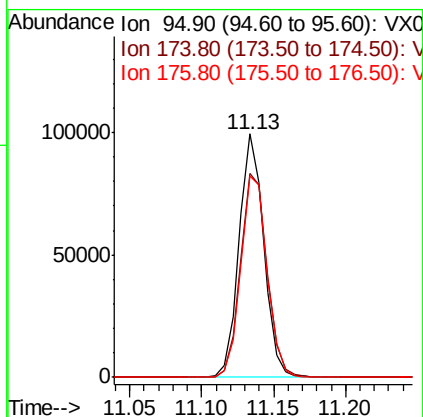
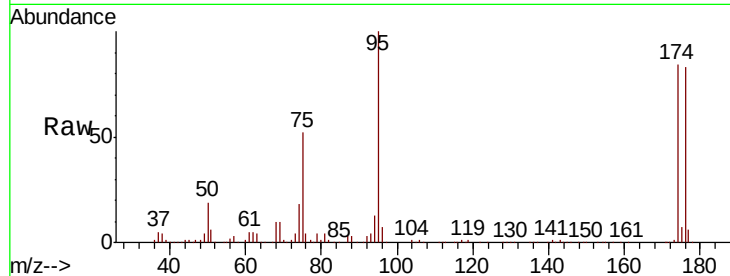




#62
4-Bromofluorobenzene
Concen: 44.910 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011542.D
Acq: 13 Aug 2019 17:38

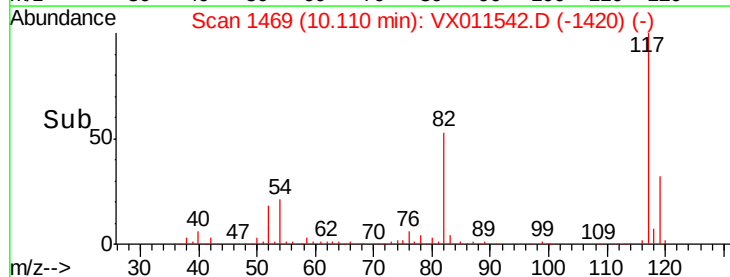
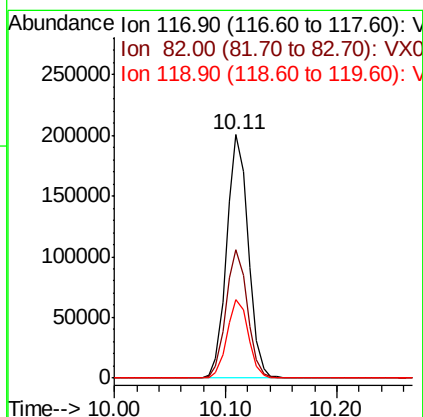
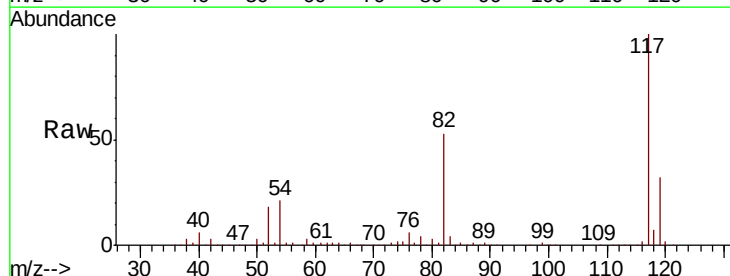
Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-190812

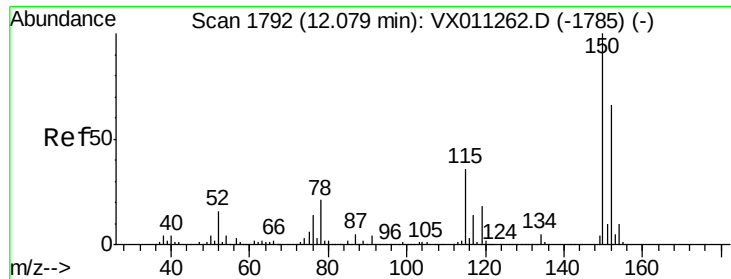
Tgt Ion: 95 Resp: 118711
Ion Ratio Lower Upper
95 100
174 89.9 0.0 191.2
176 87.6 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011542.D
Acq: 13 Aug 2019 17:38

Tgt Ion: 117 Resp: 268198
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 32.2 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011542.D

Acq: 13 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-190812

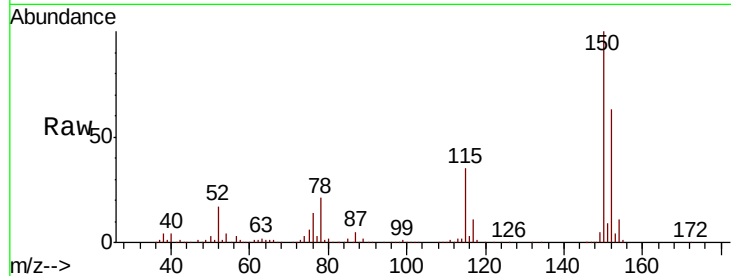
Tgt Ion:152 Resp: 124314

Ion Ratio Lower Upper

152 100

115 55.1 40.0 119.9

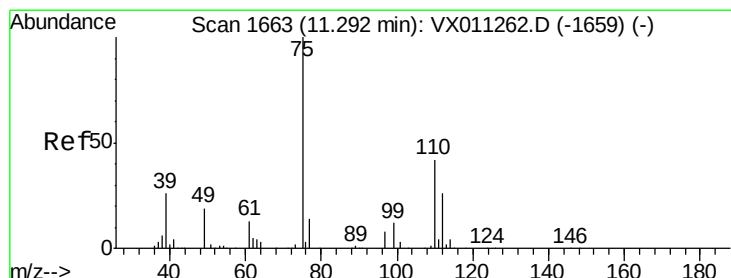
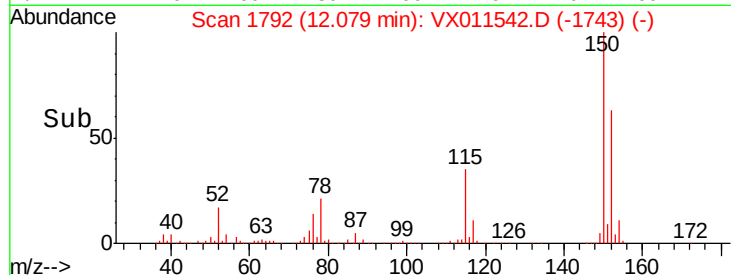
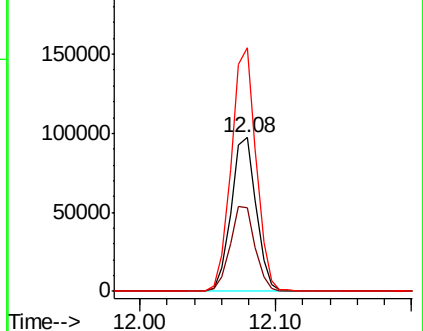
150 157.1 0.0 350.4



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: 27.744 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011542.D

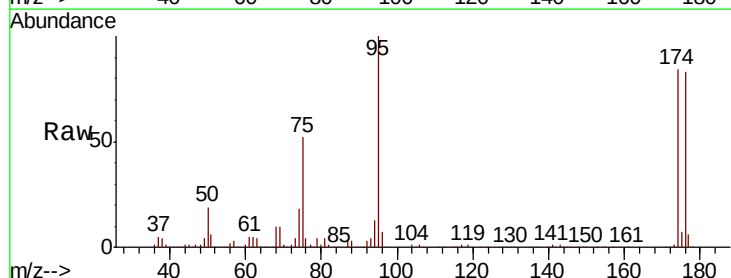
Acq: 13 Aug 2019 17:38

Tgt Ion: 75 Resp: 62811

Ion Ratio Lower Upper

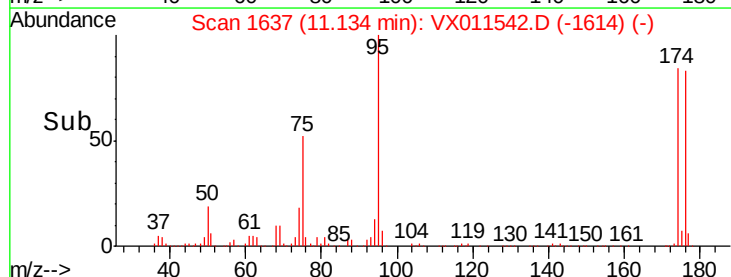
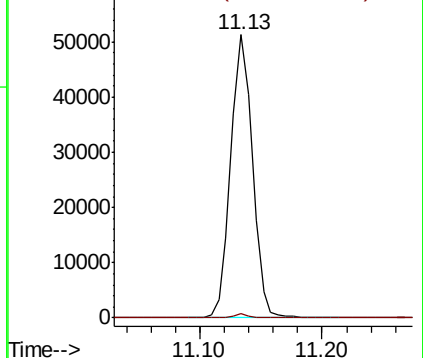
75 100

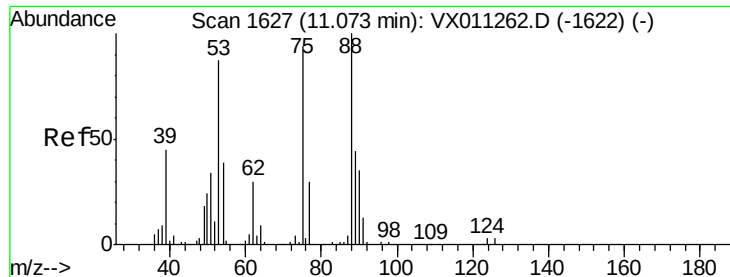
77 1.2 21.1 63.4#



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: 71.904 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011542.D

Acq: 13 Aug 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-190812

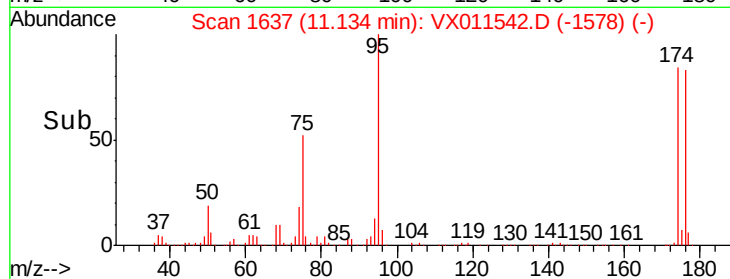
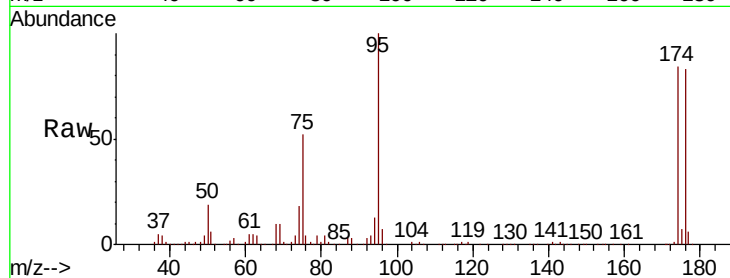
Tgt Ion: 75 Resp: 62811

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.1 37.9 56.9#



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

