

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011519\
 Data File : VX007061.D
 Acq On : 15 Jan 2019 16:27
 Operator : JC/SP
 Sample : K1150-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS035-190114

Quant Time: Jan 16 00:05:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	553024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	875135	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	817875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	396635	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	301255	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	5.50	113	267040	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	8.71	98	1040099	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.13	95	369350	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	

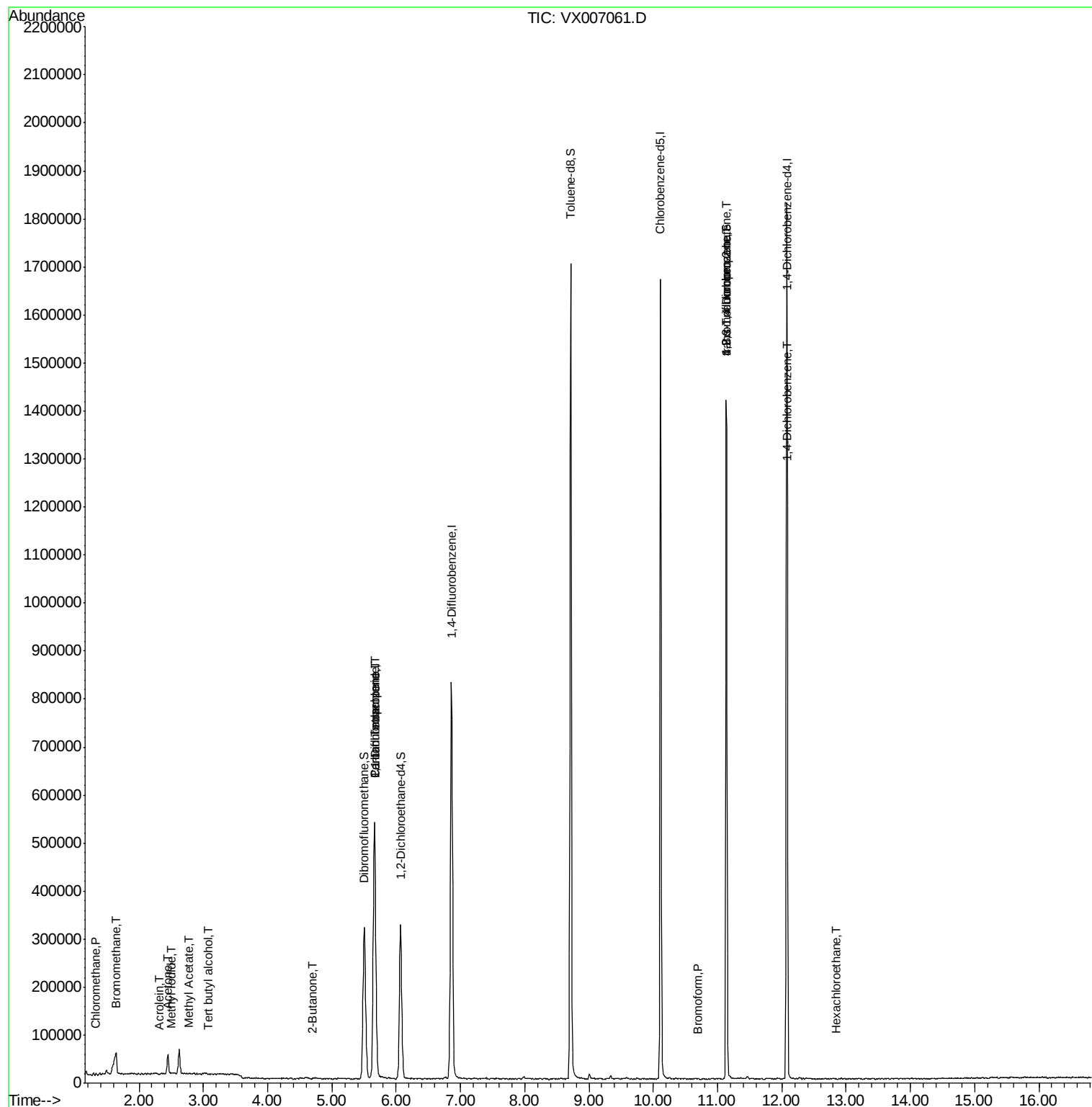
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	3410	0.645	ug/l	94
5) Bromomethane	1.65	94	1402	0.231	ug/l	90
10) Methyl Iodide	2.51	142	1669	0.225	ug/l	96
11) Tert butyl alcohol	3.07	59	913	0.670	ug/l #	1
13) Acrolein	2.31	56	300	3.588	ug/l #	13
16) Acetone	2.45	43	45394	15.887	ug/l	96
18) Methyl Acetate	2.78	43	3124	0.378	ug/l #	59
20) Methylene Chloride	2.85	84	1063	Below Cal	#	83
25) 2-Butanone	4.71	43	3601	0.881	ug/l	90
36) 1,1-Dichloropropene	5.66	75	35739	4.697	ug/l #	49
38) Carbon Tetrachloride	5.67	117	49136	6.419	ug/l #	14
49) 1,4-Dioxane	7.77	88	58	Below Cal	#	1
71) Bromoform	10.69	173	87	4.742	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	176925	22.012	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	176925	65.186	ug/l #	10
88) 1,4-Dichlorobenzene	12.09	146	896	0.213	ug/l #	1
90) Hexachloroethane	12.85	117	40	2.918	ug/l	75

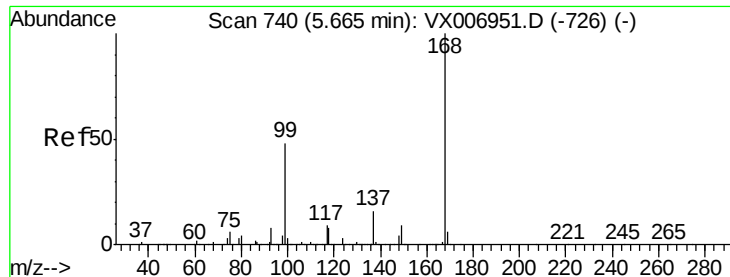
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011519\
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Quant Time: Jan 16 00:05:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

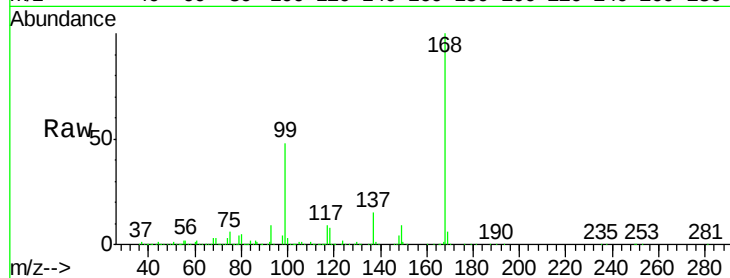
KY038PS035-190114

Tot Ion:168 Resp: 553024

Ion Ratio Lower Upper

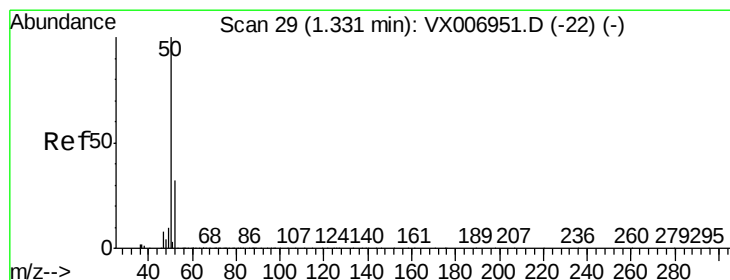
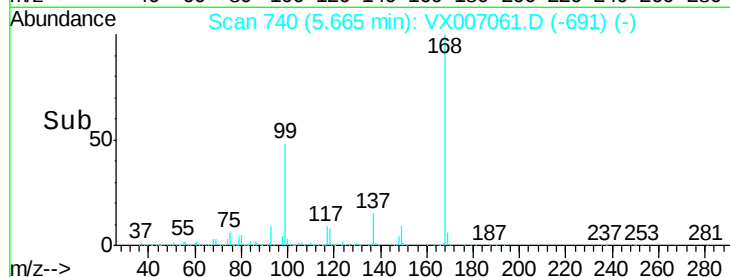
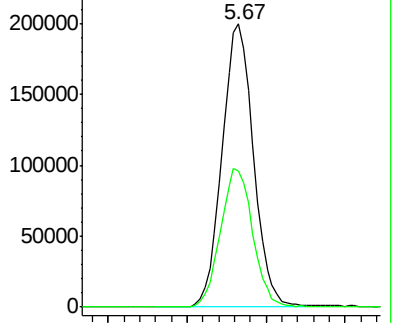
168 100

99 48.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.645 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007061.D

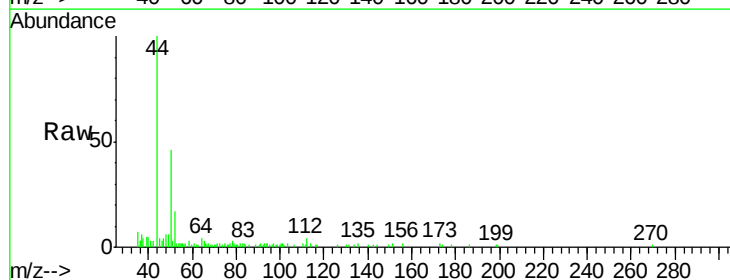
Acq: 15 Jan 2019 16:27

Tgt Ion: 50 Resp: 3410

Ion Ratio Lower Upper

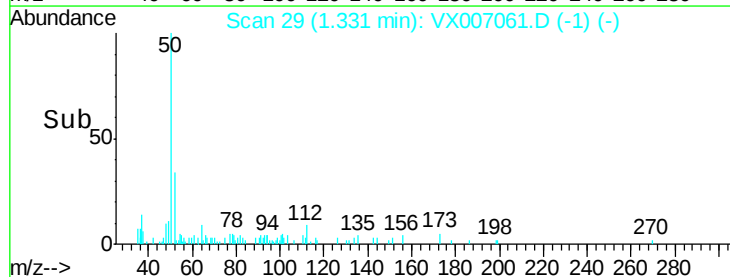
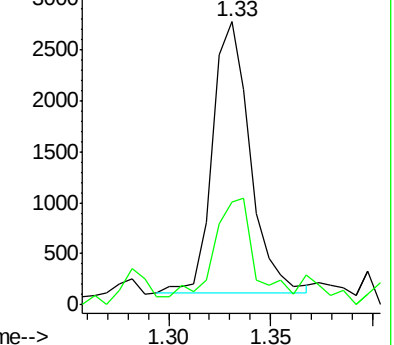
50 100

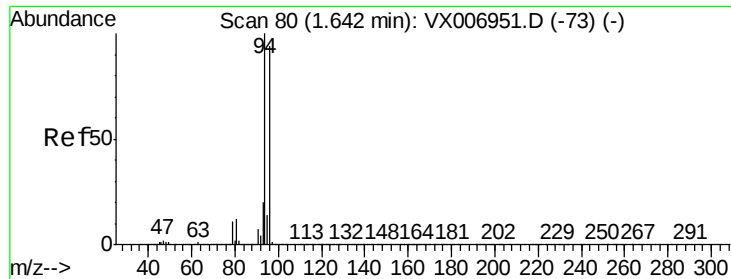
52 35.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.231 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

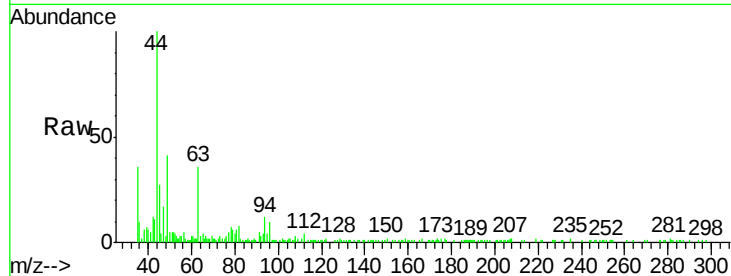
KY038PS035-190114

Tot Ion: 94 Resp: 1402

Ion Ratio Lower Upper

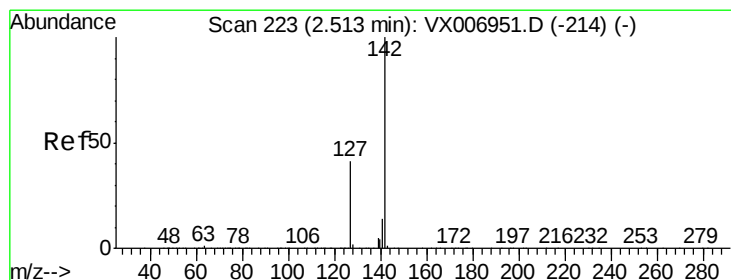
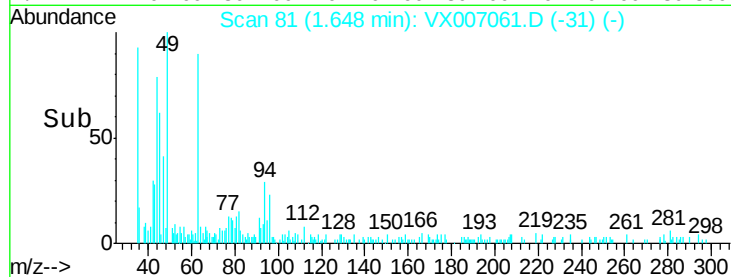
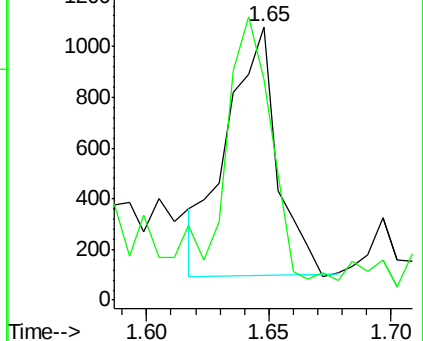
94 100

96 81.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.225 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

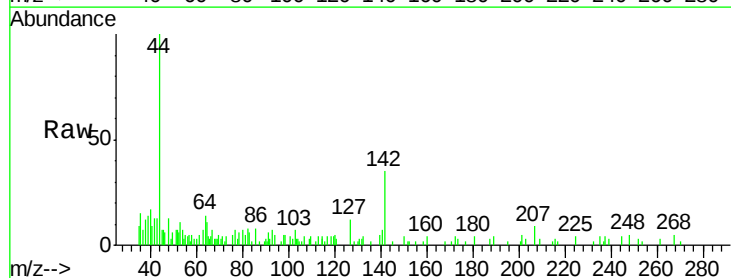
Tgt Ion: 142 Resp: 1669

Ion Ratio Lower Upper

142 100

127 40.7 33.9 50.9

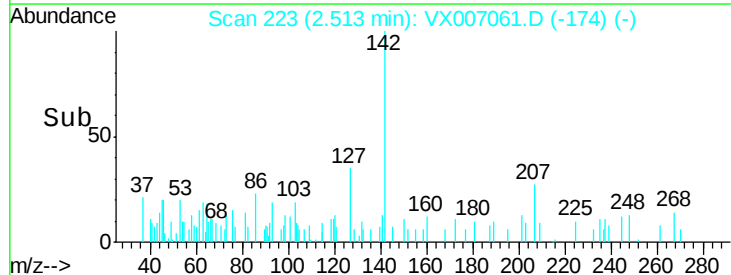
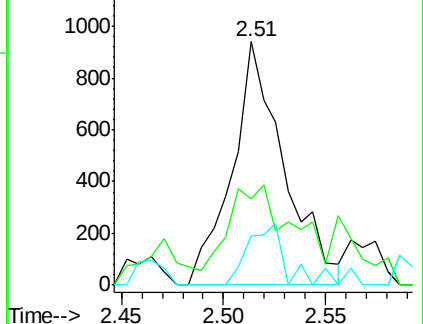
141 17.0 11.4 17.0

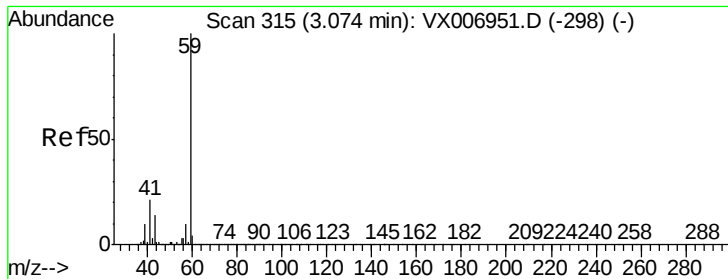


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



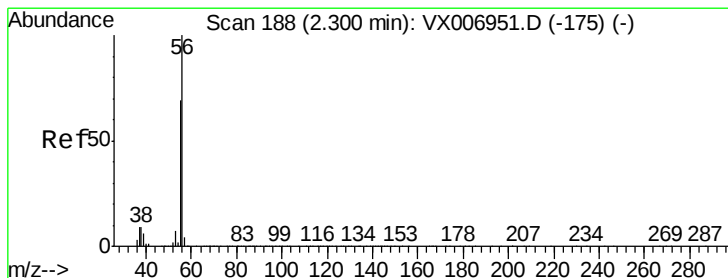
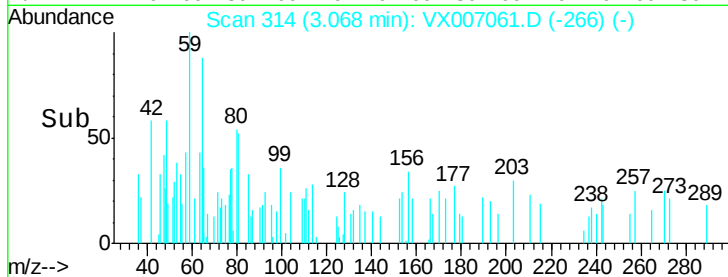
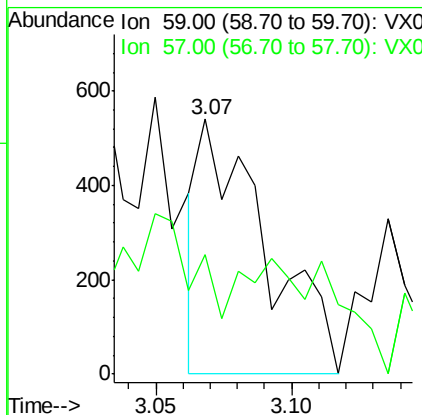
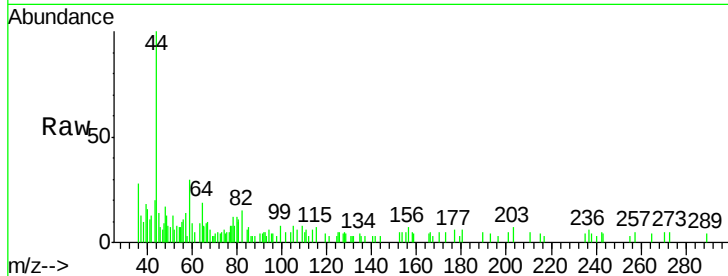


#11

Tert butyl alcohol
 Concen: 0.670 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007061.D
 Acq: 15 Jan 2019 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS035-190114

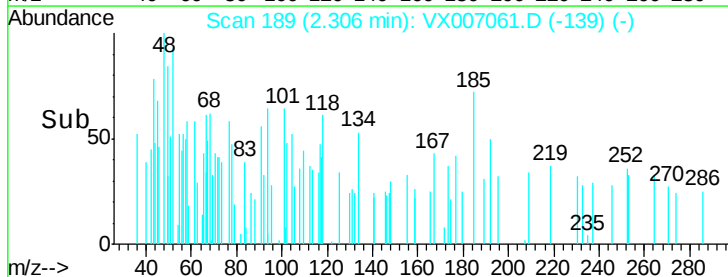
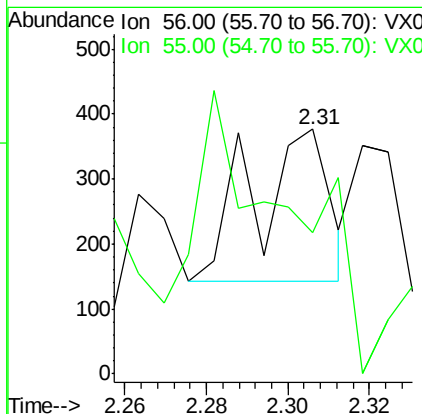
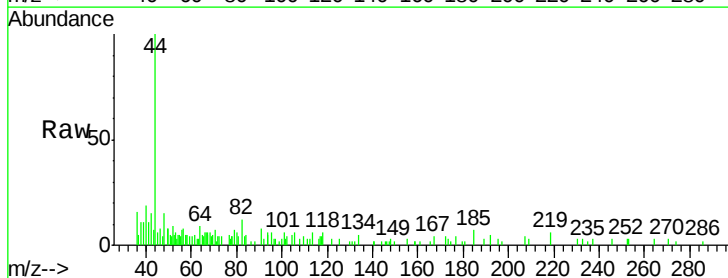
Tot Ion: 59 Resp: 913
 Ion Ratio Lower Upper
 59 100
 57 49.7 8.5 12.7#

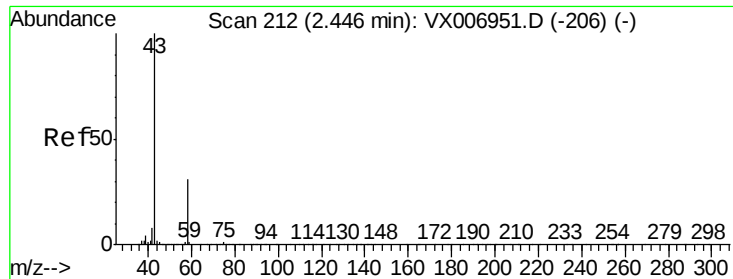


#13

Acrolein
 Concen: 3.588 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX007061.D
 Acq: 15 Jan 2019 16:27

Tgt Ion: 56 Resp: 300
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.2 87.4#

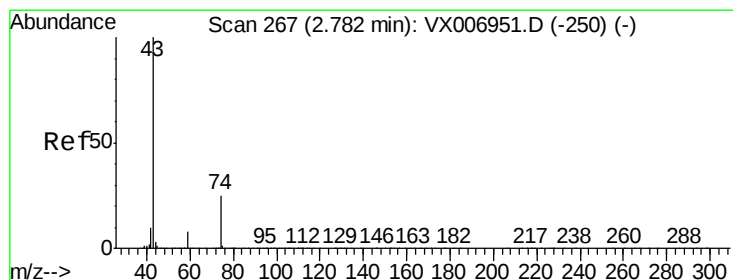
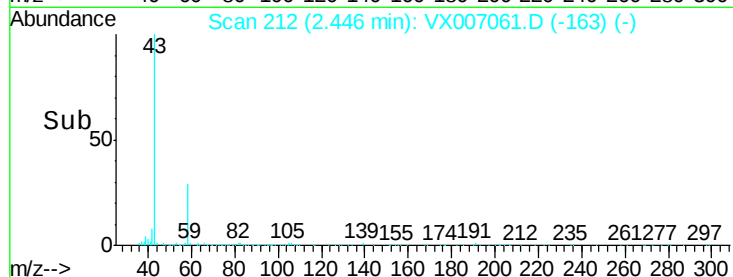
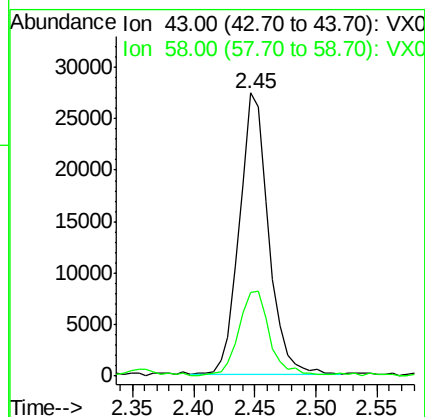
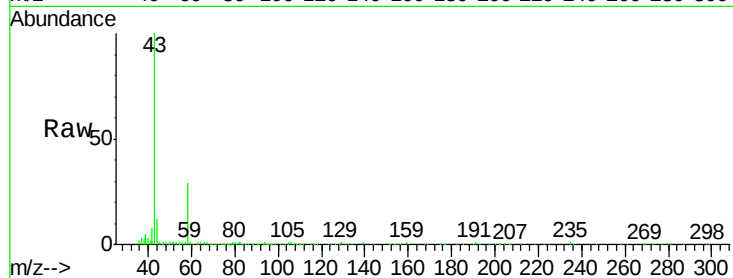




#16
Acetone
Concen: 15.887 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007061.D
Acq: 15 Jan 2019 16:27

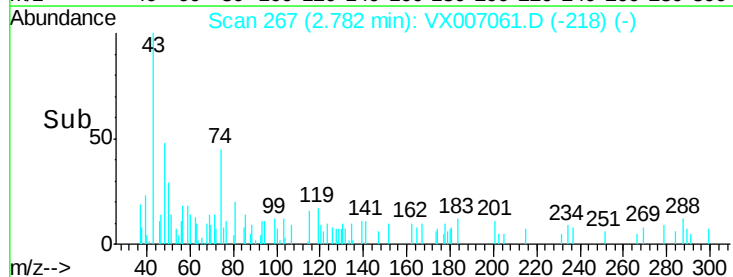
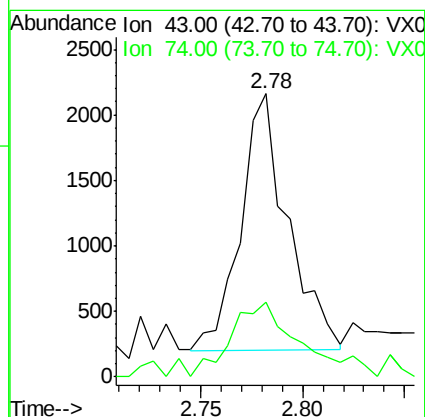
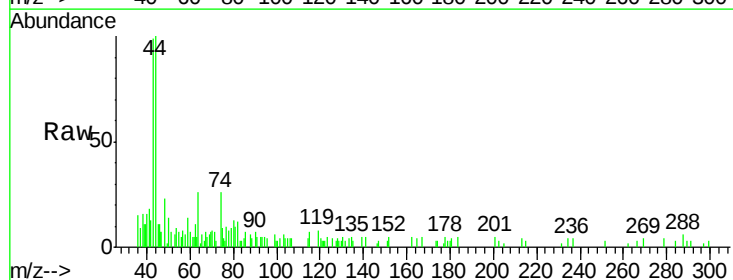
Instrument :
MSVOA_X
ClientSampleId :
KY038PS035-190114

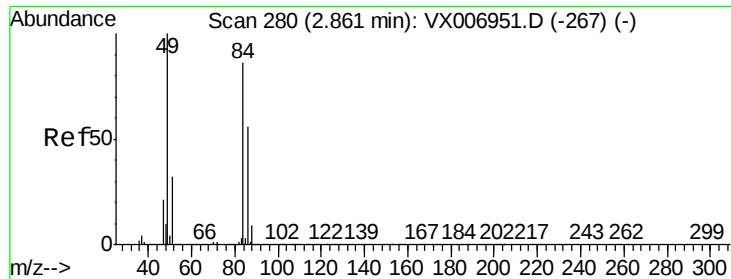
Tot Ion: 43 Resp: 45394
Ion Ratio Lower Upper
43 100
58 29.1 25.0 37.6



#18
Methyl Acetate
Concen: 0.378 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007061.D
Acq: 15 Jan 2019 16:27

Tgt Ion: 43 Resp: 3124
Ion Ratio Lower Upper
43 100
74 43.1 18.6 28.0#

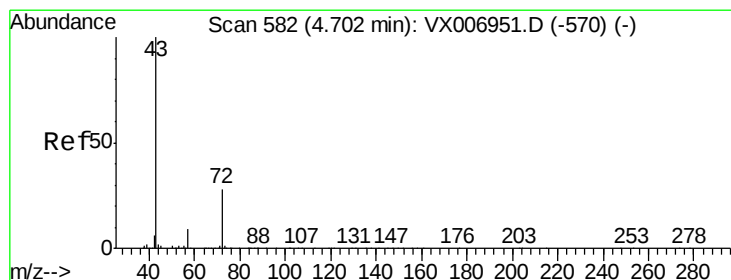
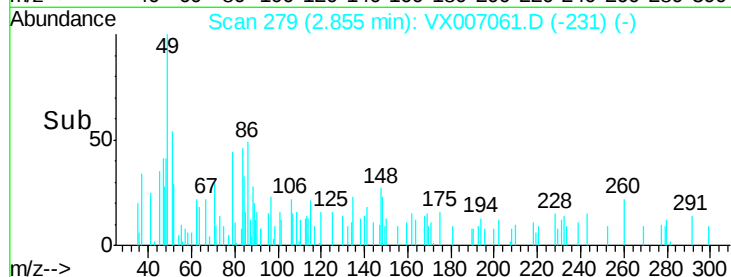
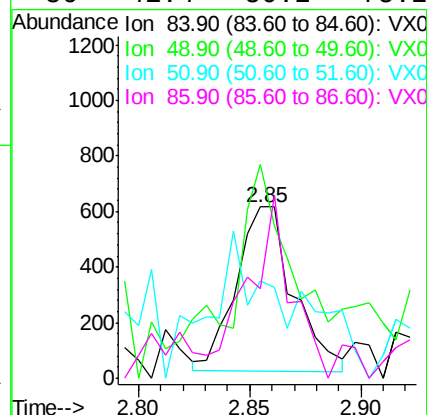
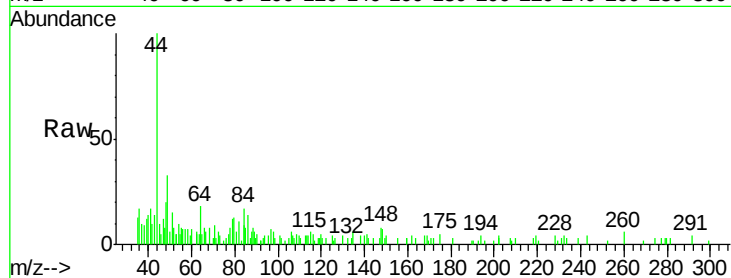




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007061.D
Acq: 15 Jan 2019 16:27

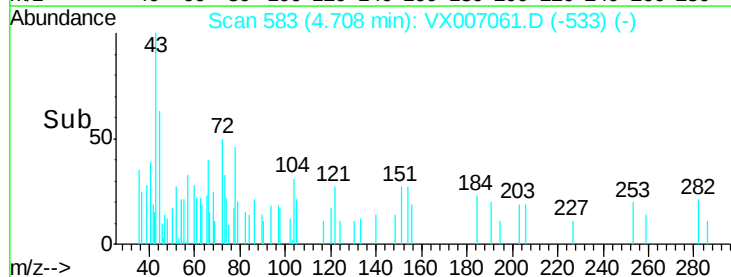
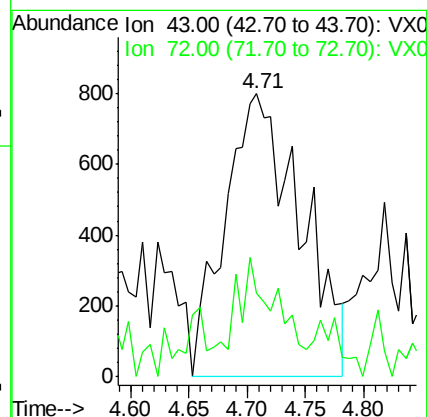
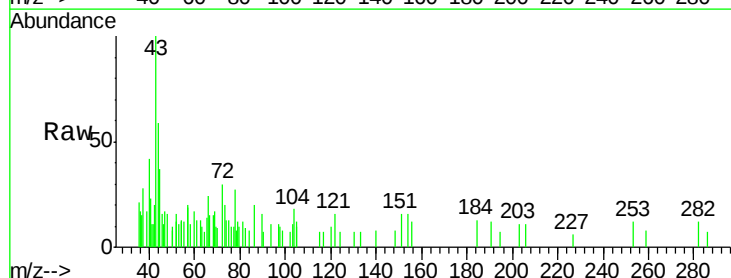
Instrument :
MSVOA_X
ClientSampleId :
KY038PS035-190114

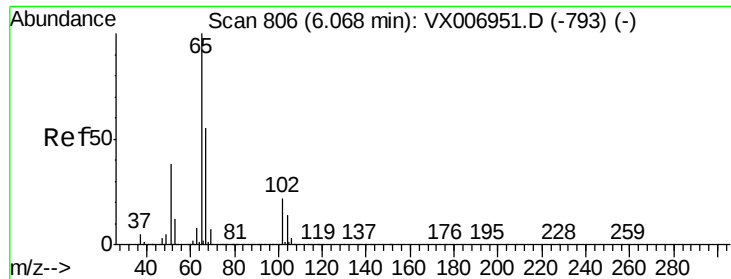
Tot Ion: 84 Resp: 1063
Ion Ratio Lower Upper
84 100
49 100.5 91.8 137.6
51 27.6 28.5 42.7#
86 41.4 50.2 75.2#



#25
2-Butanone
Concen: 0.881 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX007061.D
Acq: 15 Jan 2019 16:27

Tgt Ion: 43 Resp: 3601
Ion Ratio Lower Upper
43 100
72 22.6 22.4 33.6

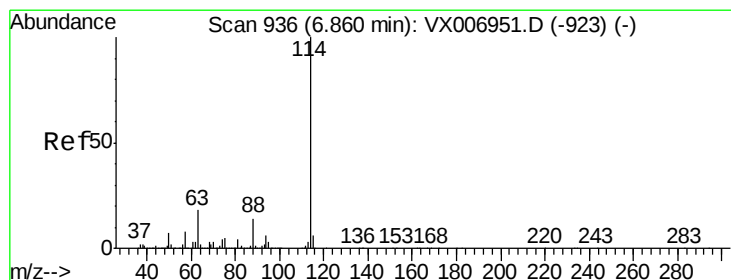
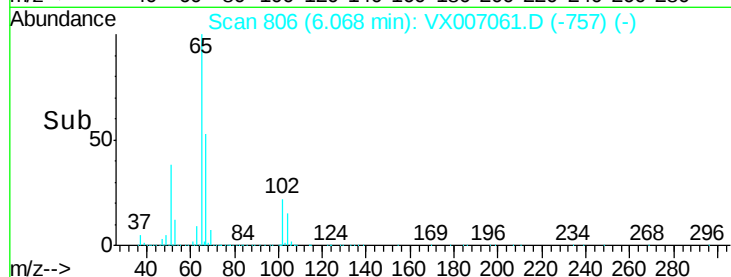
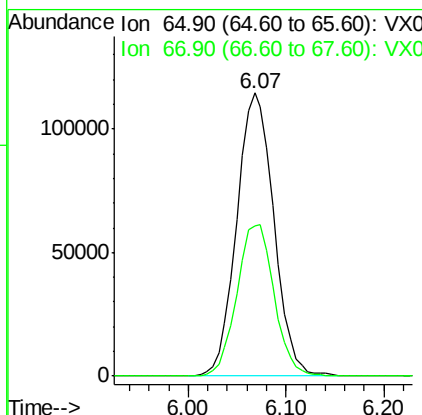
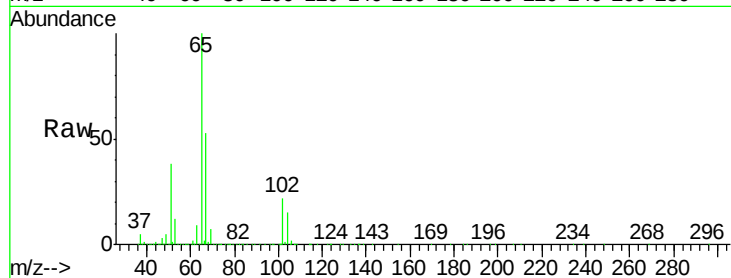




#33
 1,2-Dichloroethane-d4
 Concen: 52.124 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007061.D
 Acq: 15 Jan 2019 16:27

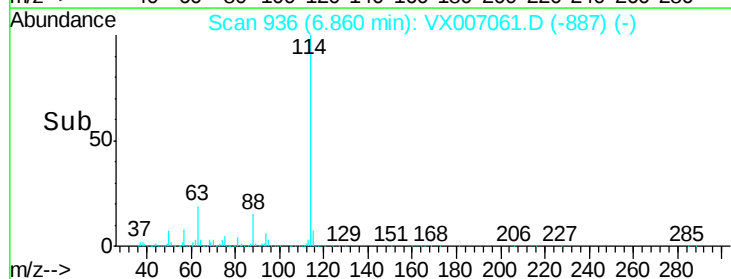
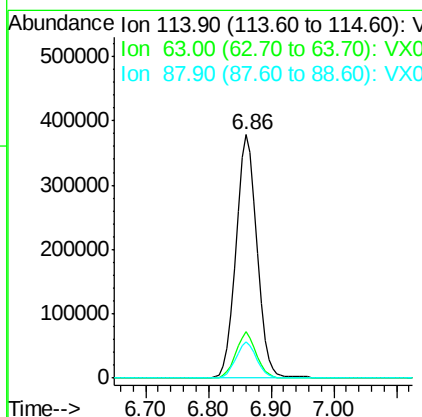
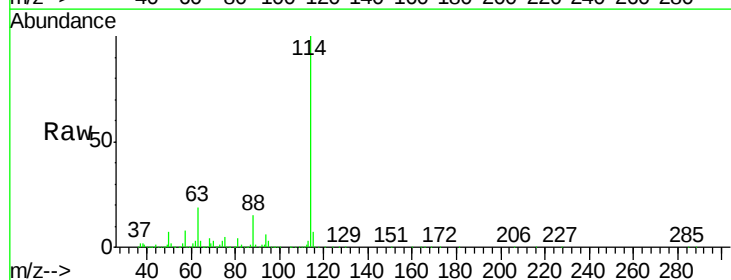
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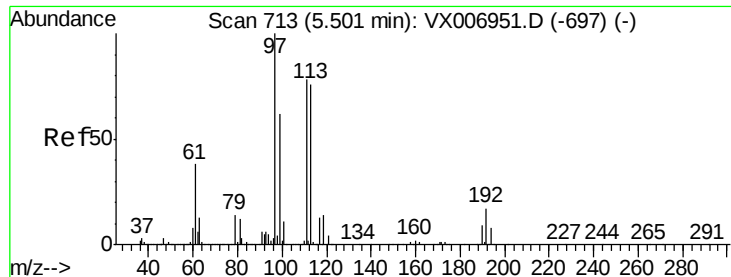
Tot Ion: 65 Resp: 301255
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007061.D
 Acq: 15 Jan 2019 16:27

Tgt Ion: 114 Resp: 875135
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 34.8
 88 15.1 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.649 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

KY038PS035-190114

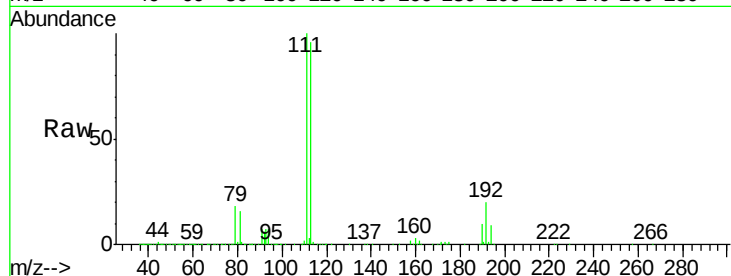
Tot Ion:113 Resp: 267040

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

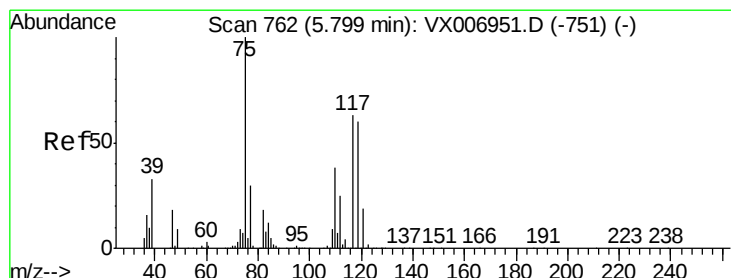
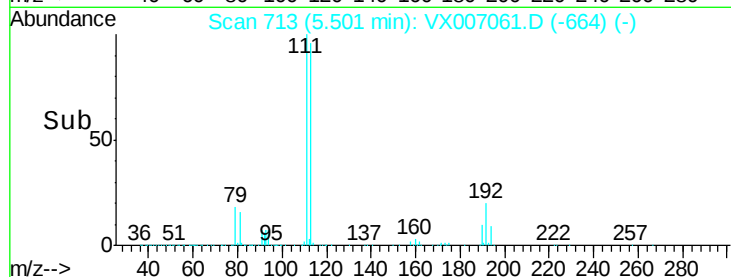
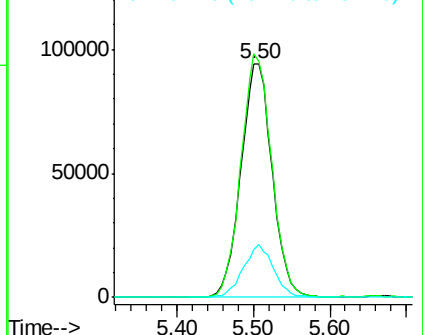
192 21.8 16.7 25.1



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: 4.697 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

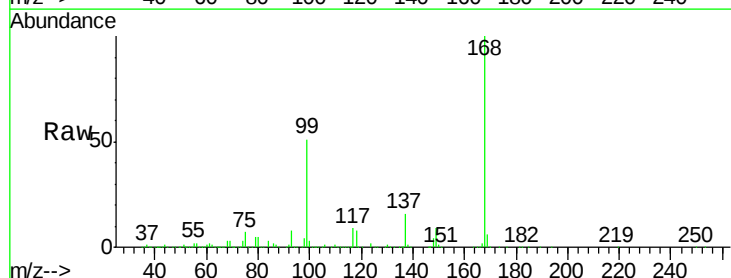
Tgt Ion: 75 Resp: 35739

Ion Ratio Lower Upper

75 100

110 11.3 20.2 60.5#

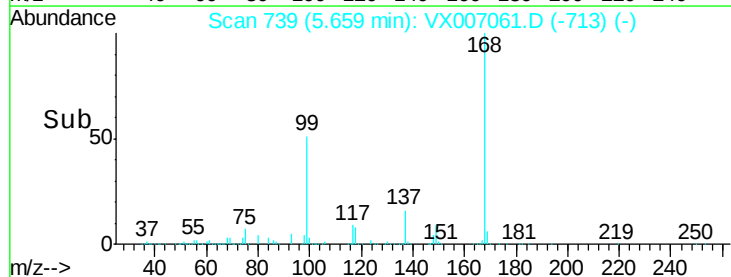
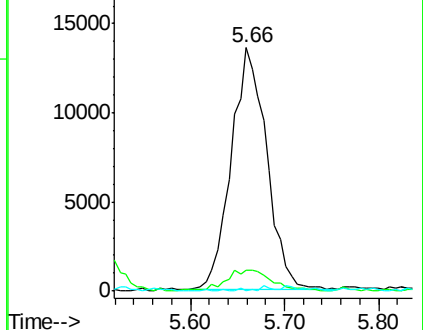
77 0.1 24.8 37.2#

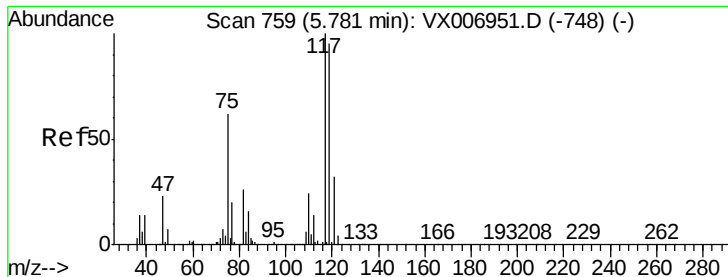


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.419 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

KY038PS035-190114

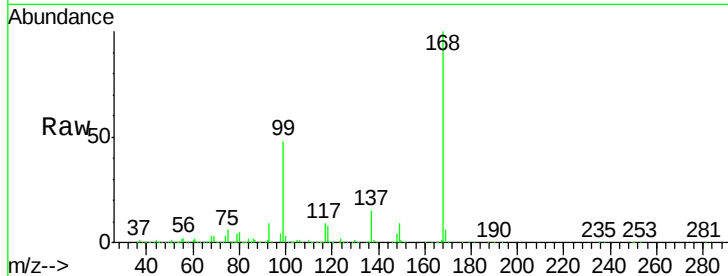
Tot Ion:117 Resp: 49136

Ion Ratio Lower Upper

117 100

119 4.9 79.4 119.2#

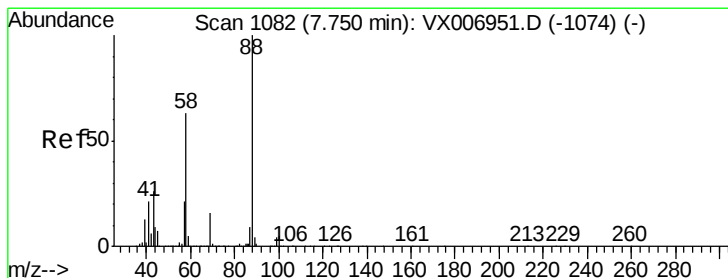
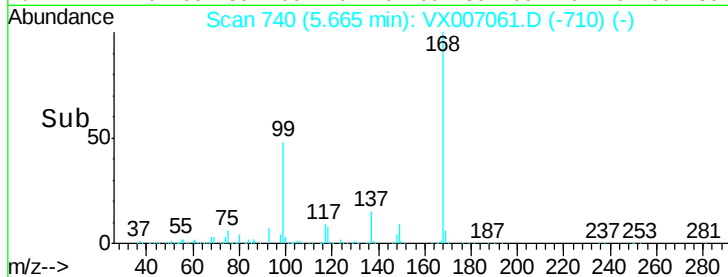
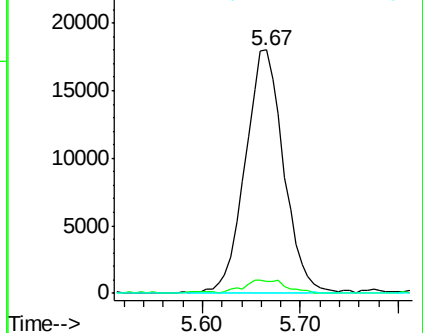
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

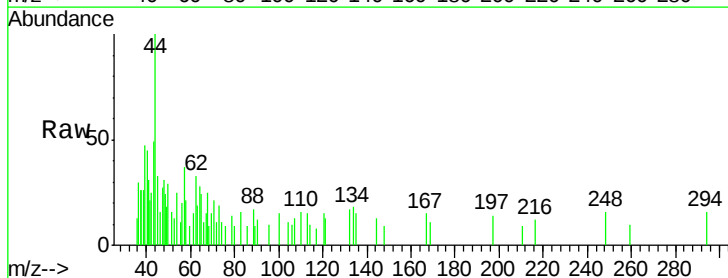
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

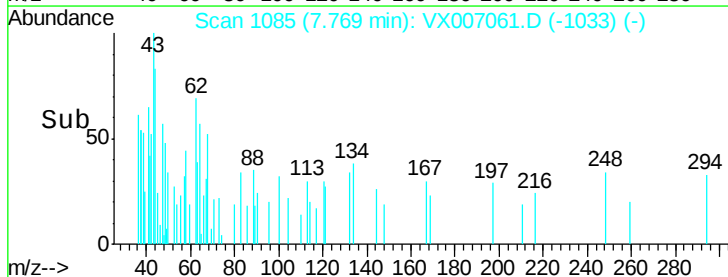
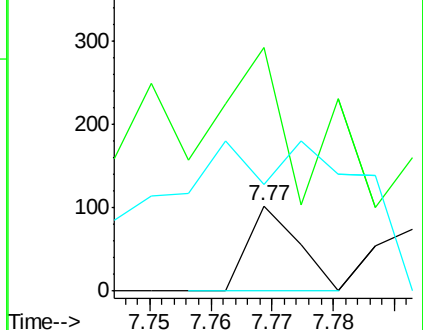
58 205.2 51.0 76.4#

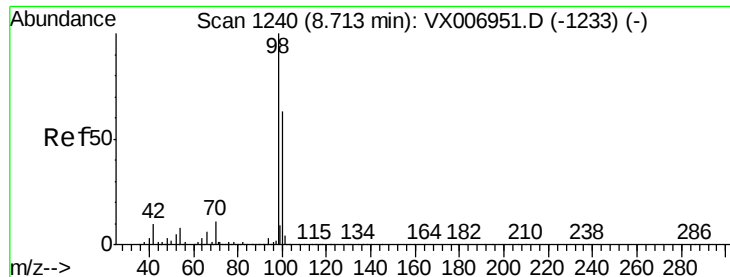


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.703 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

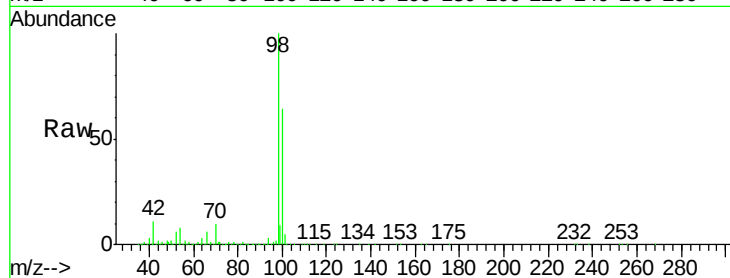
KY038PS035-190114

Tot Ion: 98 Resp: 1040099

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX006951.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX006951.D (-1233) (-)

8.71

600000

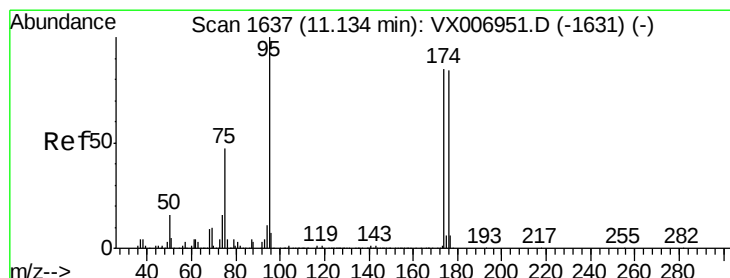
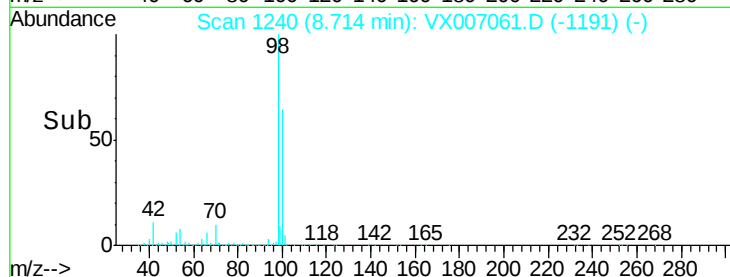
400000

200000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 51.646 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

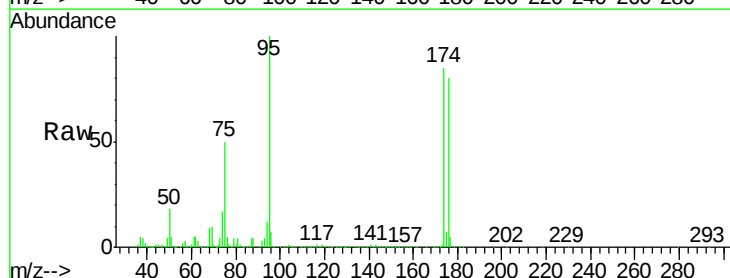
Tgt Ion: 95 Resp: 369350

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.2

176 87.9 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)

11.13

400000

300000

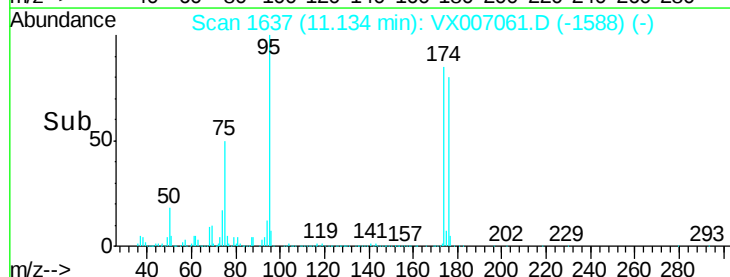
200000

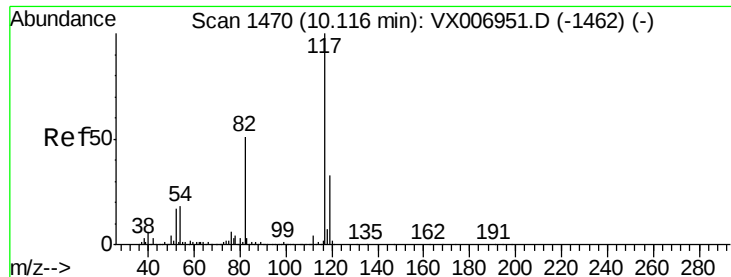
100000

0

11.00 11.10 11.20

Time-->

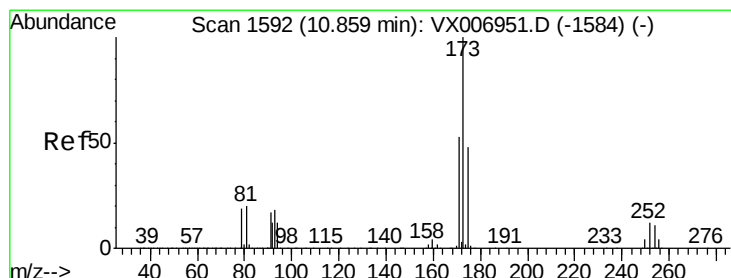
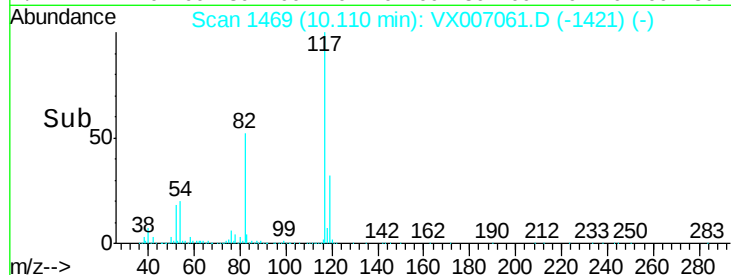
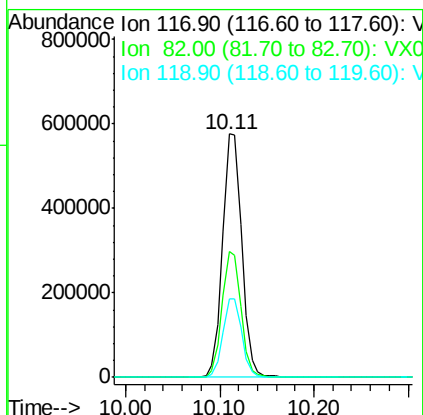
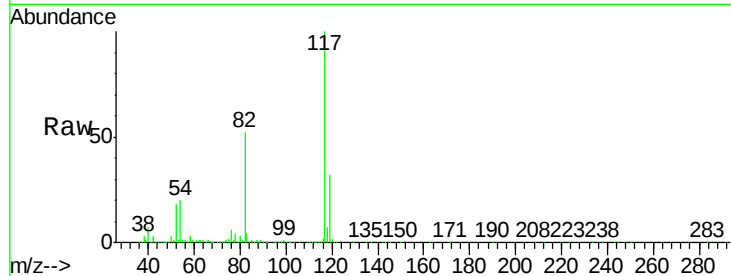




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007061.D
Acq: 15 Jan 2019 16:27

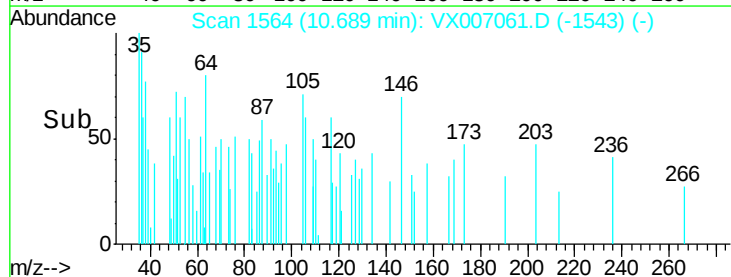
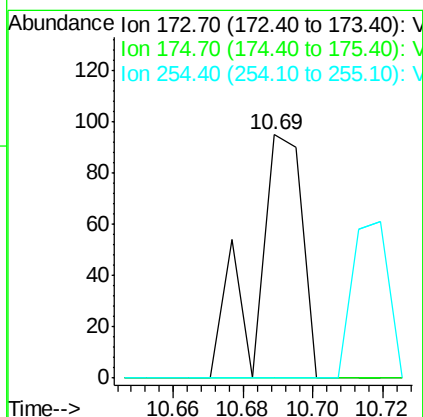
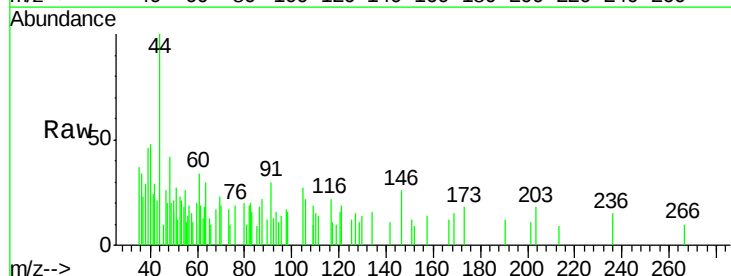
Instrument :
MSVOA_X
ClientSampleId :
KY038PS035-190114

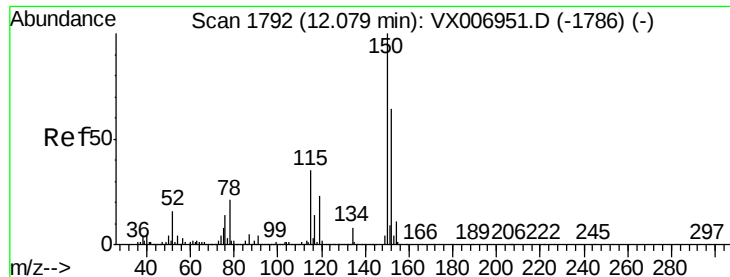
Tot Ion:117 Resp: 817875
Ion Ratio Lower Upper
117 100
82 51.8 41.0 61.6
119 32.0 25.4 38.0



#71
Bromoform
Concen: 4.742 ug/l
RT: 10.69 min Scan# 1564
Delta R.T. -0.17 min
Lab File: VX007061.D
Acq: 15 Jan 2019 16:27

Tgt Ion:173 Resp: 87
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

KY038PS035-190114

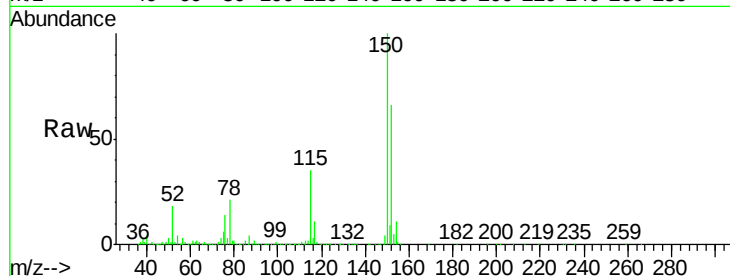
Tot Ion:152 Resp: 396635

Ion Ratio Lower Upper

152 100

115 54.9 39.1 117.2

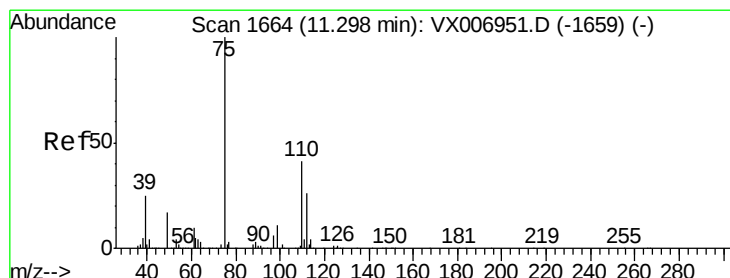
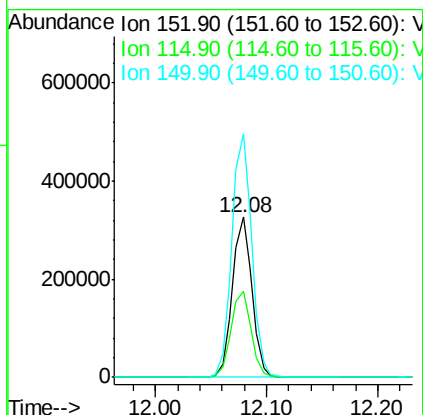
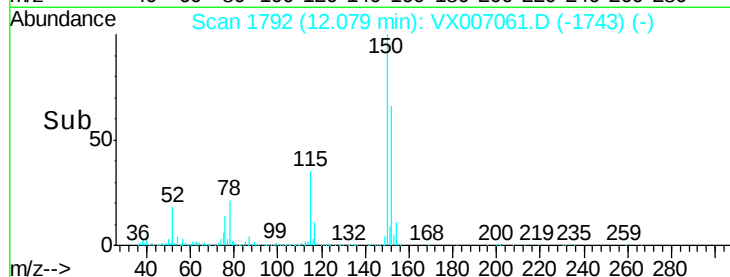
150 154.7 0.0 344.8



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: 22.012 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007061.D

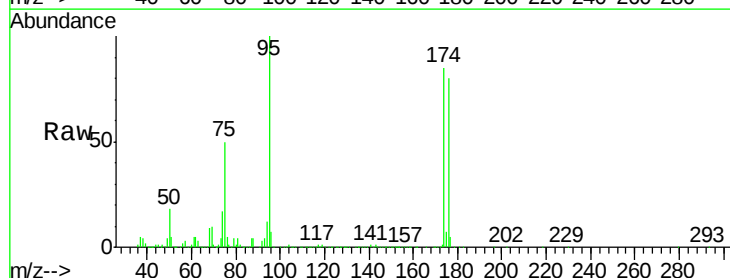
Acq: 15 Jan 2019 16:27

Tgt Ion: 75 Resp: 176925

Ion Ratio Lower Upper

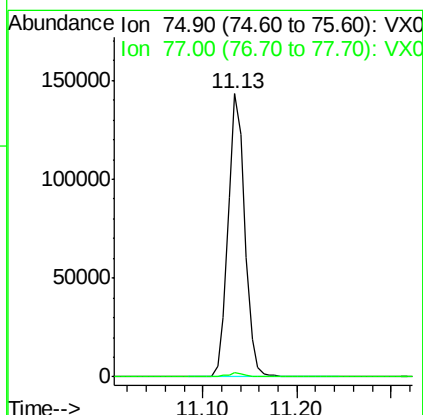
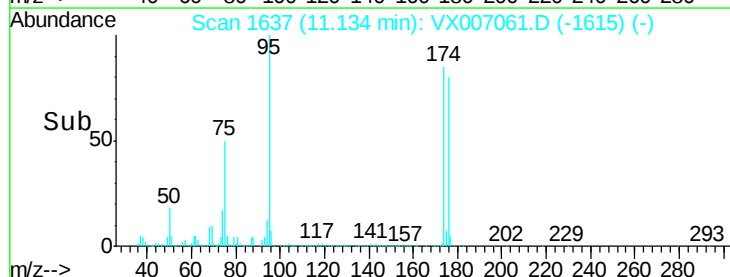
75 100

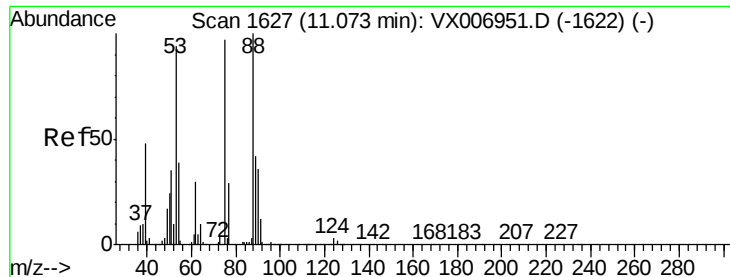
77 1.4 18.5 55.5#



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: 65.186 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

KY038PS035-190114

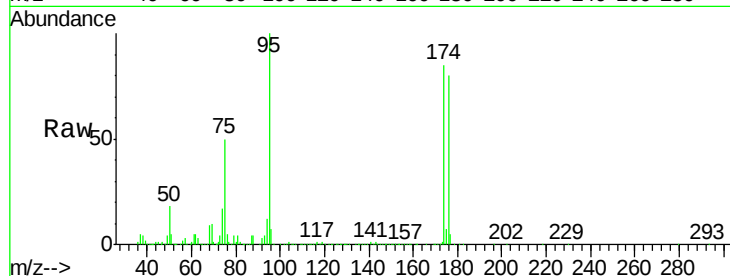
Tot Ion: 75 Resp: 176925

Ion Ratio Lower Upper

75 100

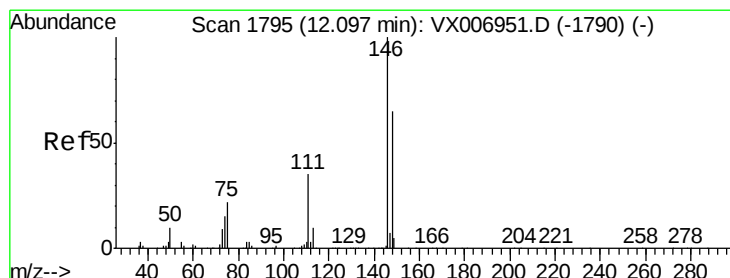
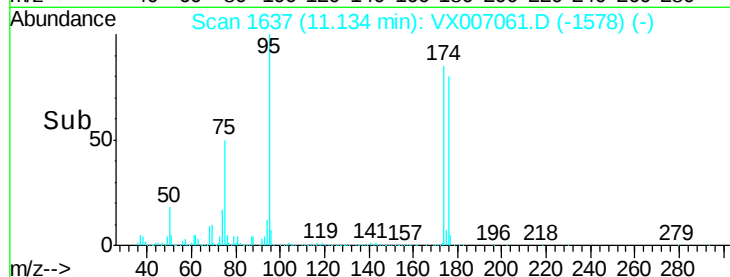
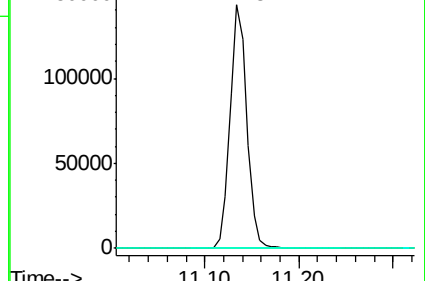
53 0.4 79.7 119.5#

89 0.1 38.0 57.0#



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

11.13



#88

1,4-Dichlorobenzene

Concen: 0.213 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

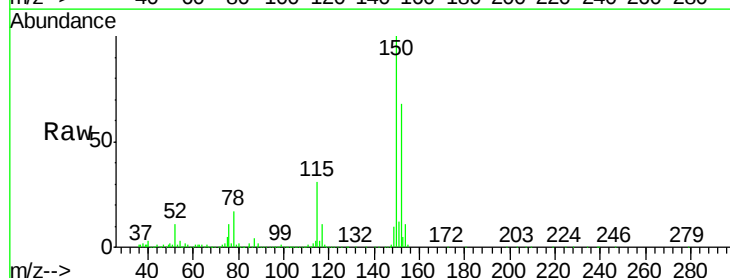
Tgt Ion: 146 Resp: 896

Ion Ratio Lower Upper

146 100

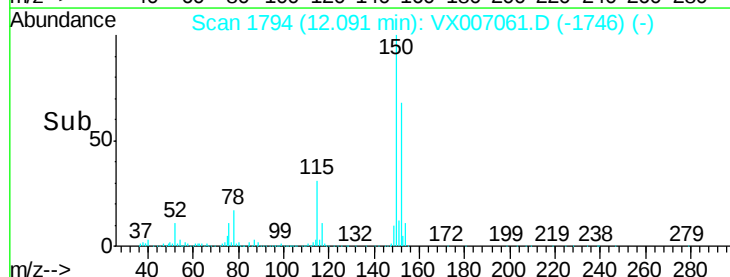
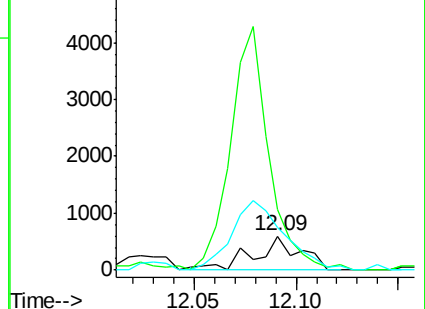
111 625.0 18.1 54.1#

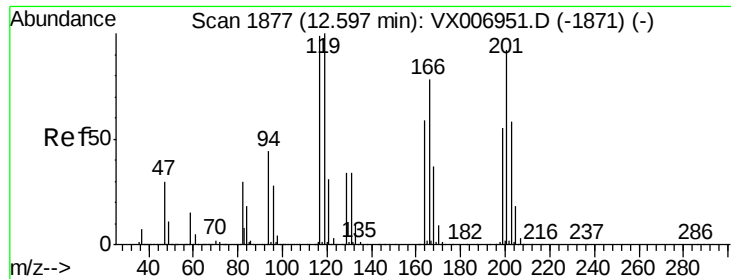
148 245.8 31.9 95.9#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

12.09





#90

Hexachloroethane

Concen: 2.918 ug/l

RT: 12.85 min Scan# 1918

Delta R.T. 0.25 min

Lab File: VX007061.D

Acq: 15 Jan 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

KY038PS035-190114

Tot Ion:117 Resp: 40

Ion Ratio Lower Upper

117 100

201 62.5 42.9 128.7

