

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061819\
 Data File : VX010337.D
 Acq On : 18 Jun 2019 12:52
 Operator : JC/SP
 Sample : K3427-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS037-190617

Quant Time: Jun 19 01:16:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	318811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	482092	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	435651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203897	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	144456	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
35) Dibromofluoromethane	5.50	113	145777	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	8.71	98	562736	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.13	95	191795	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	

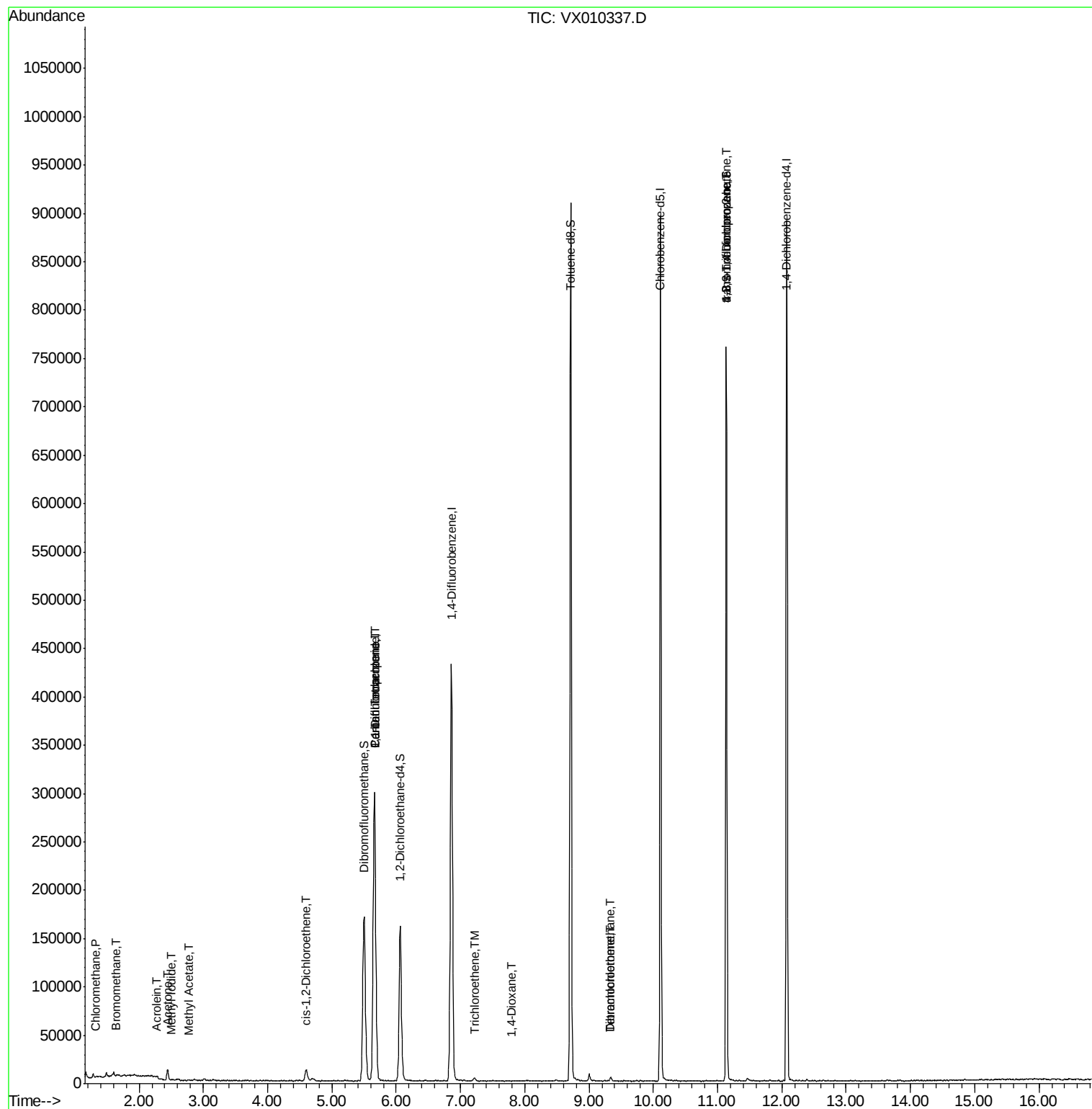
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	745	0.256	ug/l	96
5) Bromomethane	1.65	94	748	0.724	ug/l #	58
10) Methyl Iodide	2.51	142	1314	0.302	ug/l #	93
13) Acrolein	2.28	56	298	2.144	ug/l #	64
16) Acetone	2.45	43	11293	7.715	ug/l	91
18) Methyl Acetate	2.77	43	760	0.236	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	7535	2.137	ug/l	71
36) 1,1-Dichloropropene	5.66	75	18918	4.810	ug/l #	52
38) Carbon Tetrachloride	5.67	117	27538	6.186	ug/l #	15
44) Trichloroethene	7.21	130	1348	0.368	ug/l	84
49) 1,4-Dioxane	7.81	88	50	0.548	ug/l #	1
60) Dibromochloromethane	9.33	129	923	0.238	ug/l #	11
64) Tetrachloroethene	9.34	164	913	0.282	ug/l #	84
76) 1,2,3-Trichloropropane	11.13	75	87462	21.446	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	87462	47.382	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

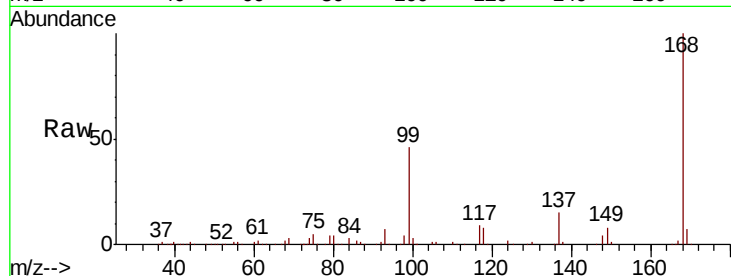
KY038PS037-190617

Tot Ion:168 Resp: 318811

Ion Ratio Lower Upper

168 100

99 45.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

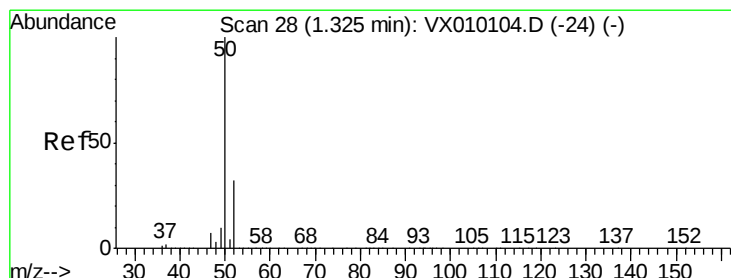
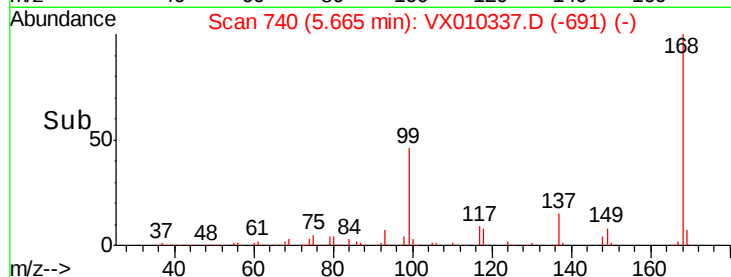
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.256 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010337.D

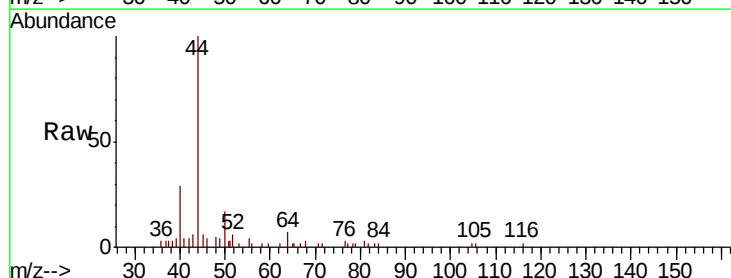
Acq: 18 Jun 2019 12:52

Tgt Ion: 50 Resp: 745

Ion Ratio Lower Upper

50 100

52 34.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

600

500

400

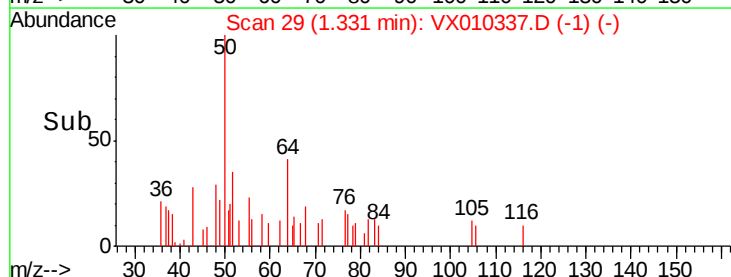
300

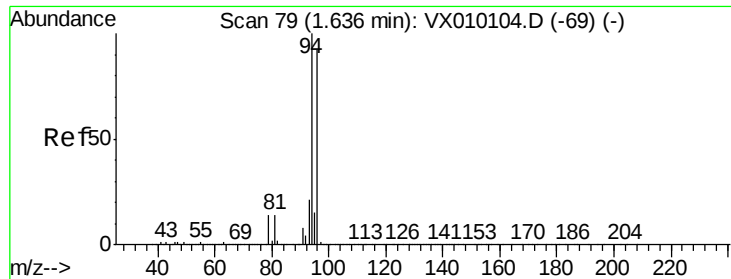
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.724 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

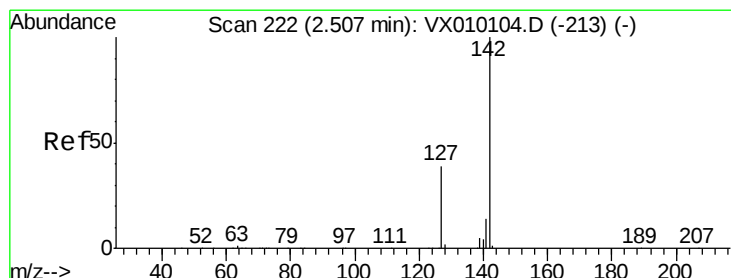
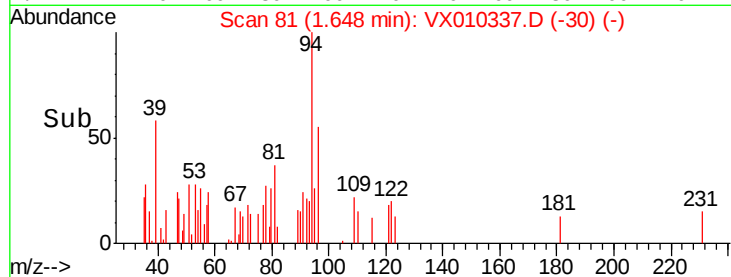
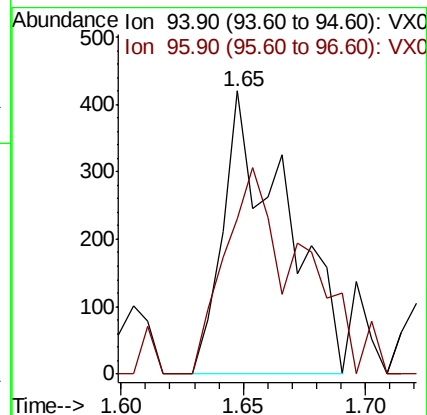
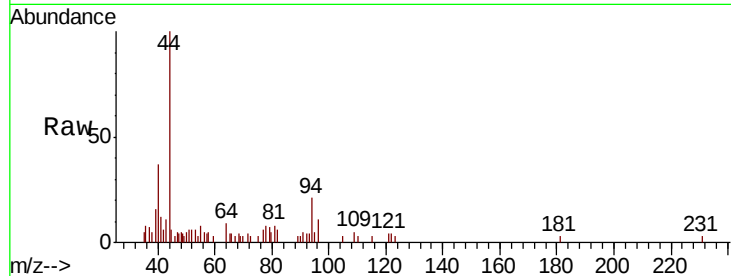
KY038PS037-190617

Tot Ion: 94 Resp: 748

Ion Ratio Lower Upper

94 100

96 54.8 76.2 114.4#



#10

Methyl Iodide

Concen: 0.302 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

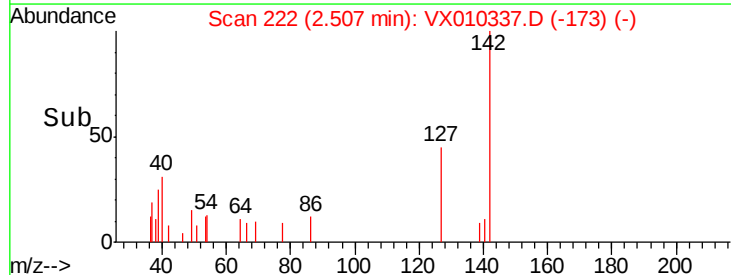
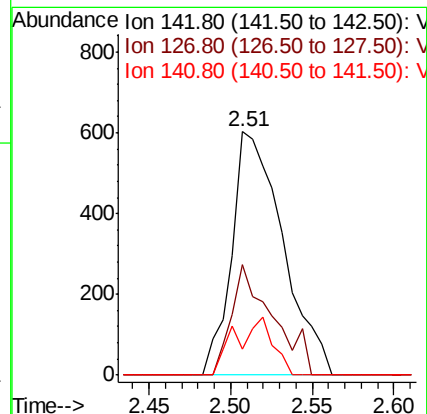
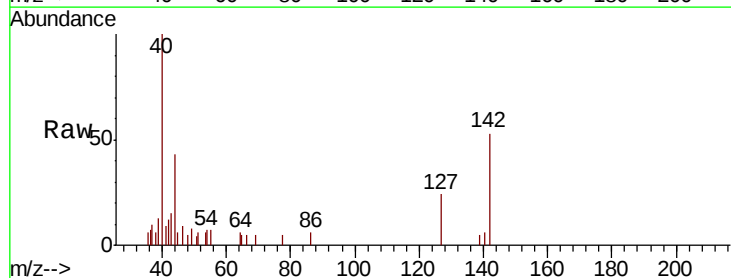
Tgt Ion: 142 Resp: 1314

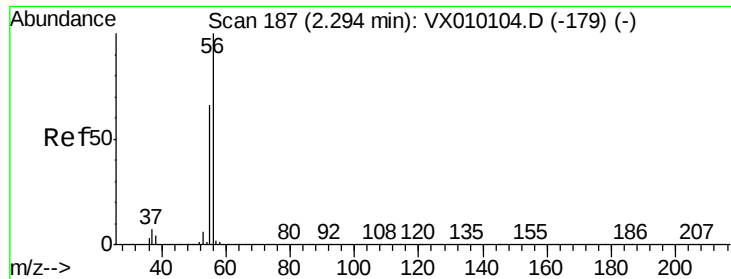
Ion Ratio Lower Upper

142 100

127 36.8 33.0 49.4

141 17.7 11.4 17.0#





#13

Acrolein

Concen: 2.144 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

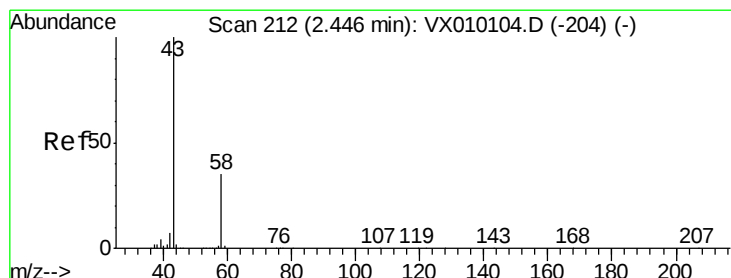
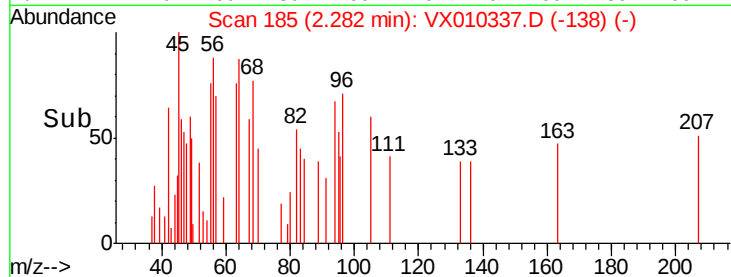
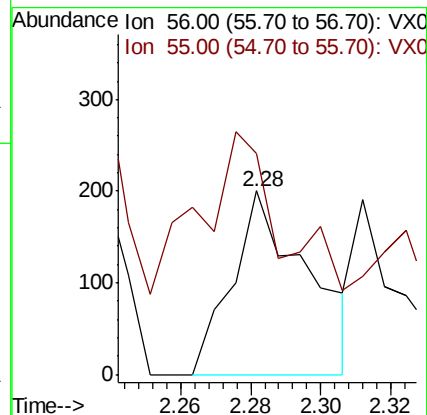
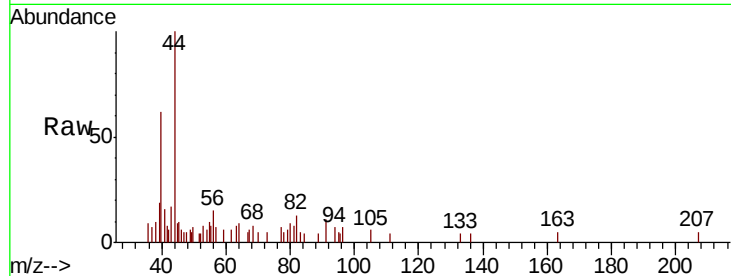
KY038PS037-190617

Tot Ion: 56 Resp: 298

Ion Ratio Lower Upper

56 100

55 101.3 57.0 85.4#



#16

Acetone

Concen: 7.715 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010337.D

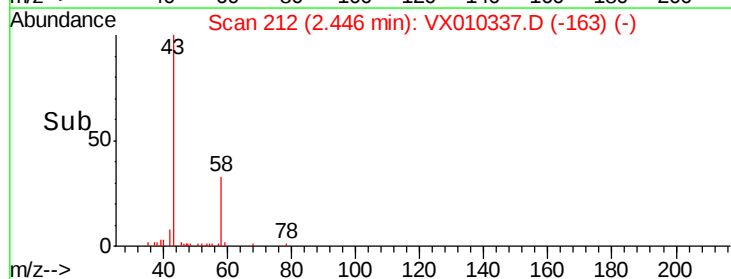
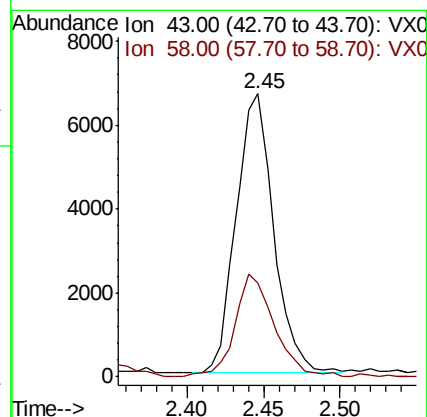
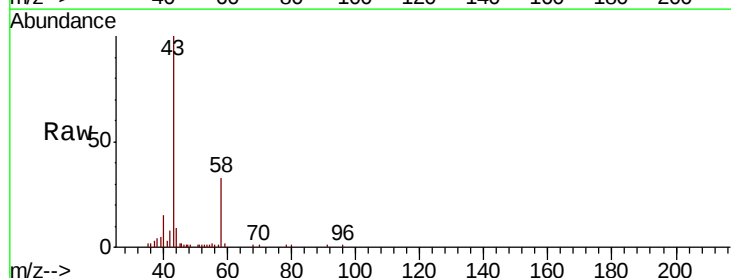
Acq: 18 Jun 2019 12:52

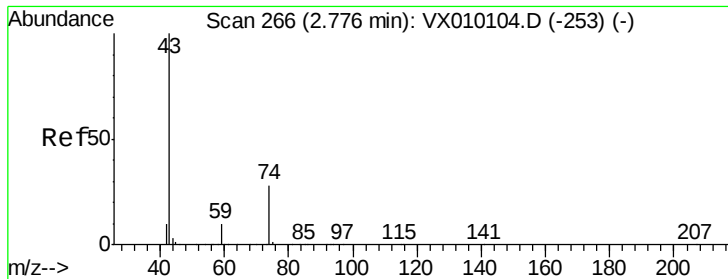
Tgt Ion: 43 Resp: 11293

Ion Ratio Lower Upper

43 100

58 33.7 23.2 34.8

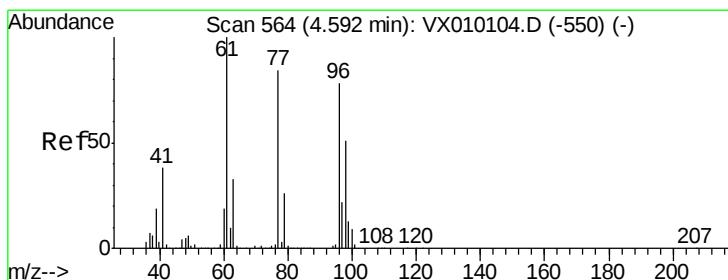
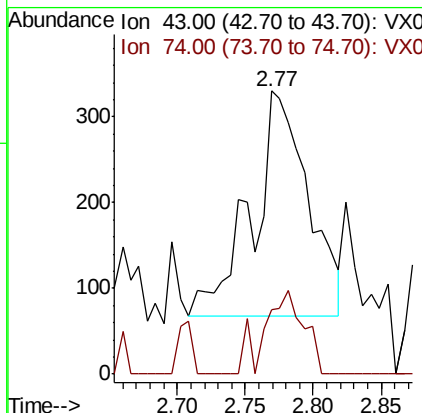
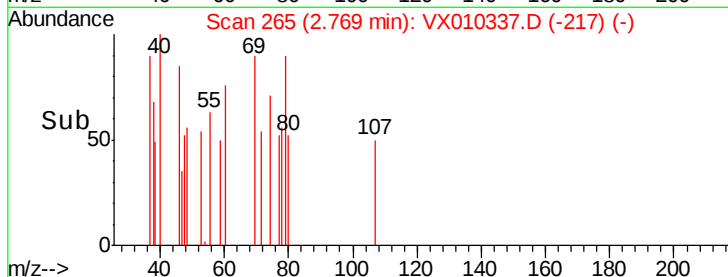
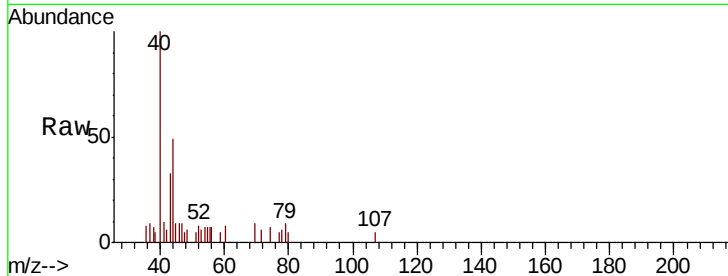




#18
Methvl Acetate
Concen: 0.236 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010337.D
Acq: 18 Jun 2019 12:52

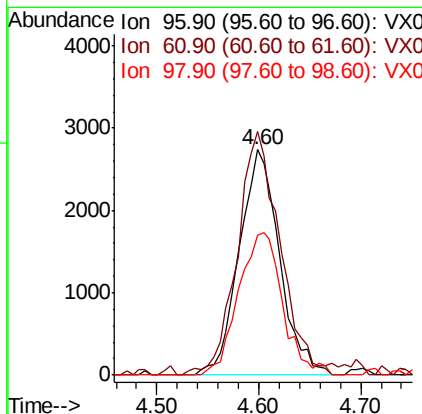
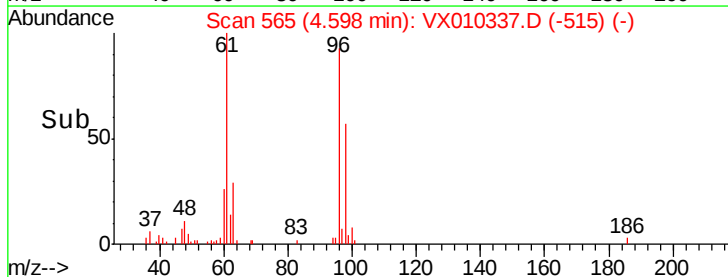
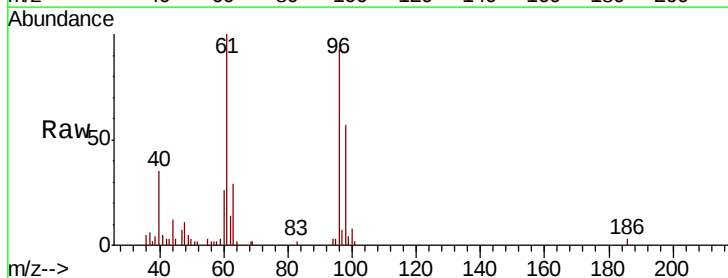
Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-190617

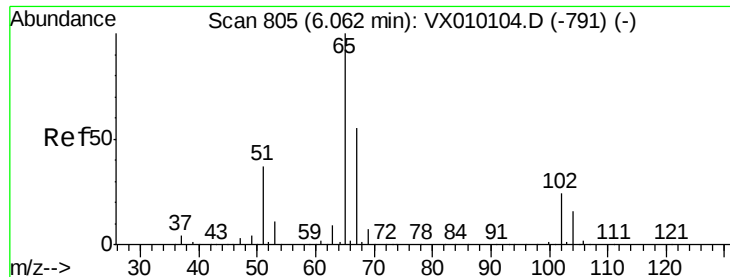
Tot Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
74 25.9 15.8 23.6#



#27
cis-1,2-Dichloroethene
Concen: 2.137 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010337.D
Acq: 18 Jun 2019 12:52

Tgt Ion: 96 Resp: 7535
Ion Ratio Lower Upper
96 100
61 113.7 0.0 334.0
98 68.9 0.0 131.6





#33

1,2-Dichloroethane-d4

Concen: 46.420 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

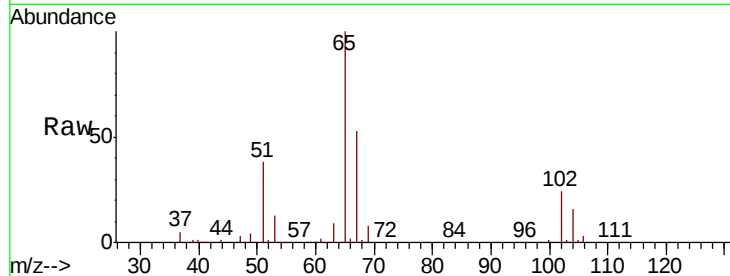
KY038PS037-190617

Tot Ion: 65 Resp: 144456

Ion Ratio Lower Upper

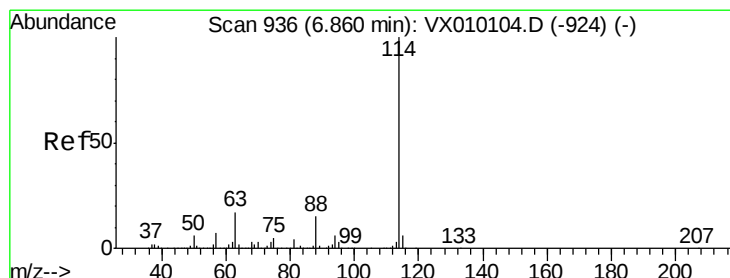
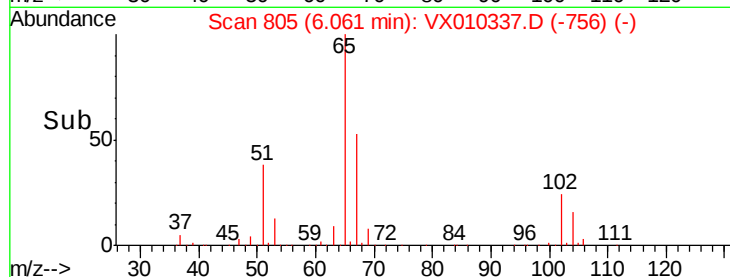
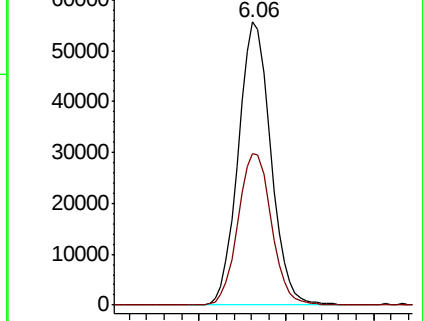
65 100

67 55.0 0.0 108.4



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

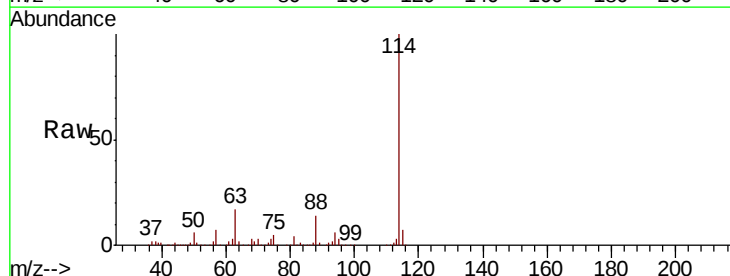
Tgt Ion:114 Resp: 482092

Ion Ratio Lower Upper

114 100

63 17.3 0.0 47.4

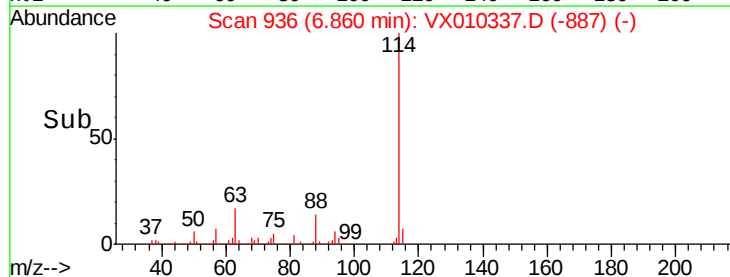
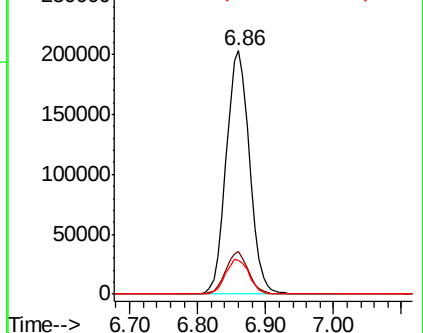
88 14.0 0.0 33.0

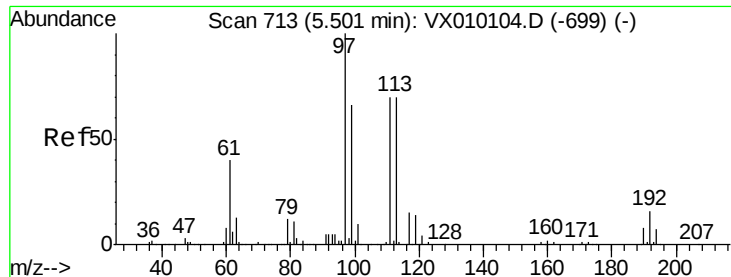


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

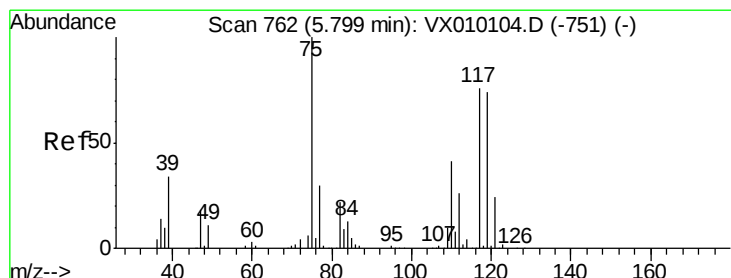
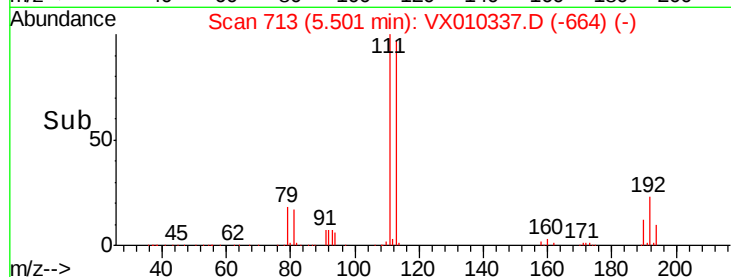
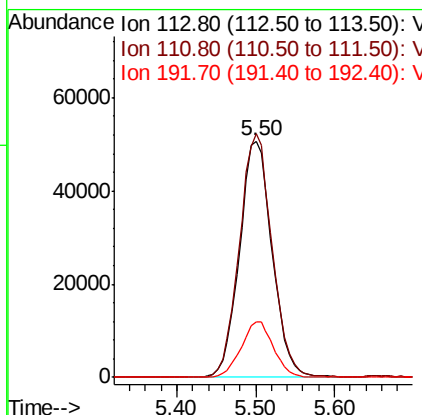
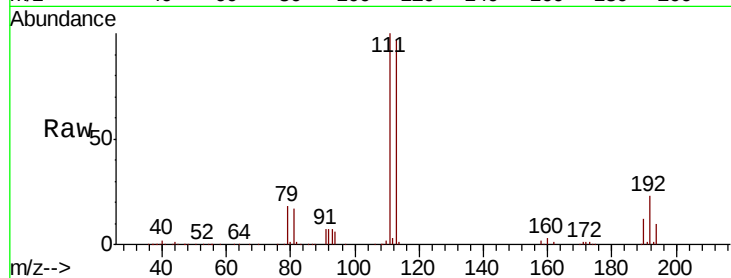




#35
 Dibromofluoromethane
 Concen: 49.023 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010337.D
 Acq: 18 Jun 2019 12:52

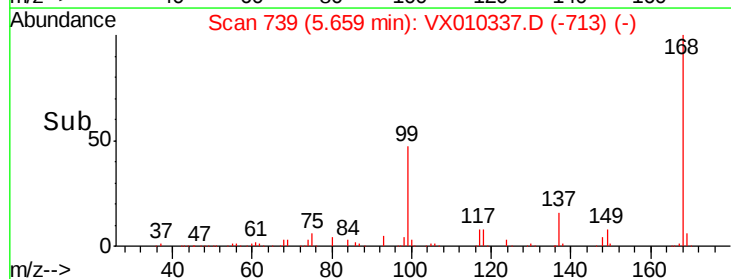
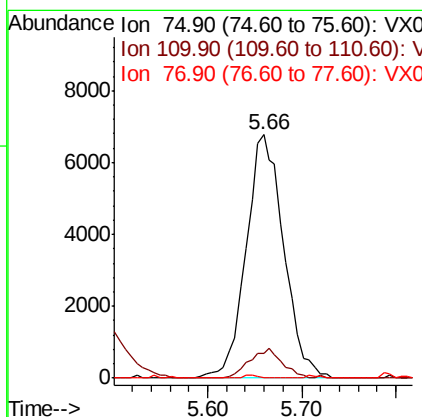
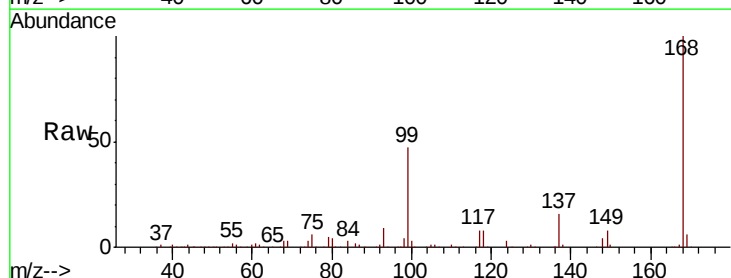
Instrument :
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 KY038PS037-190617

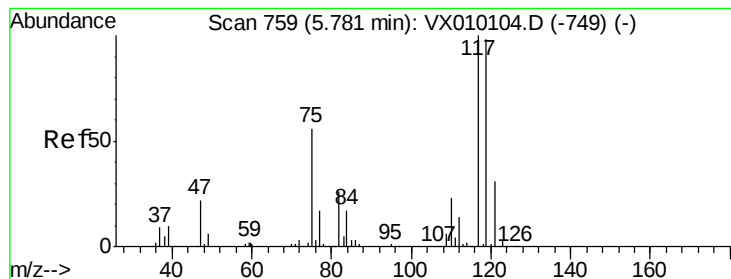
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.2
192	23.2	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.810 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010337.D
 Acq: 18 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	16.7	50.1#
77	0.4	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.186 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-190617

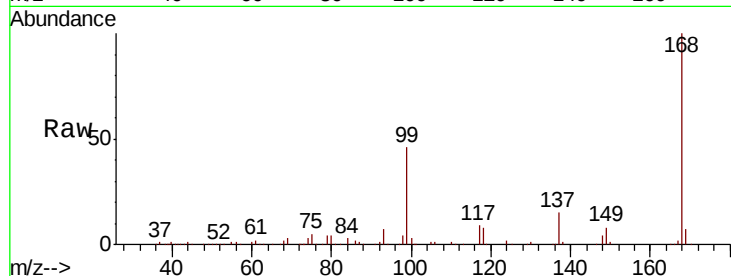
Tot Ion:117 Resp: 27538

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

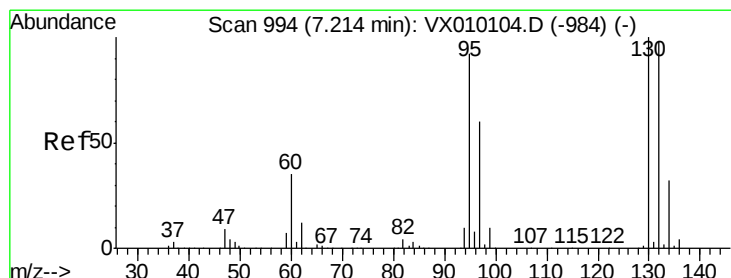
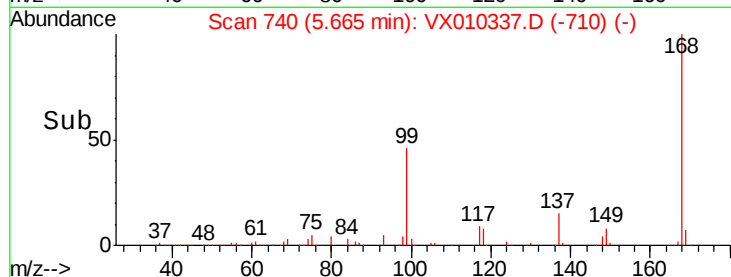
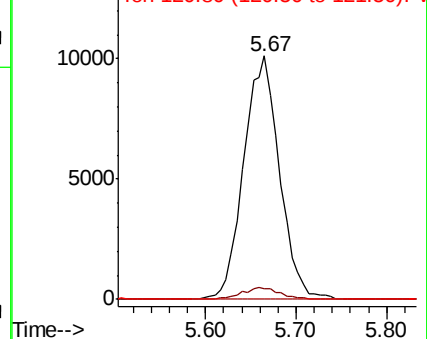
121 0.0 25.4 38.0#



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



#44

Trichloroethene

Concen: 0.368 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX010337.D

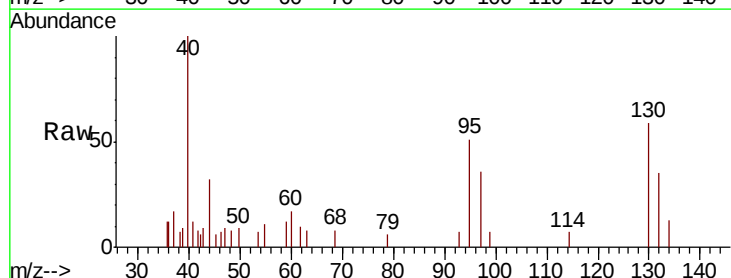
Acq: 18 Jun 2019 12:52

Tgt Ion:130 Resp: 1348

Ion Ratio Lower Upper

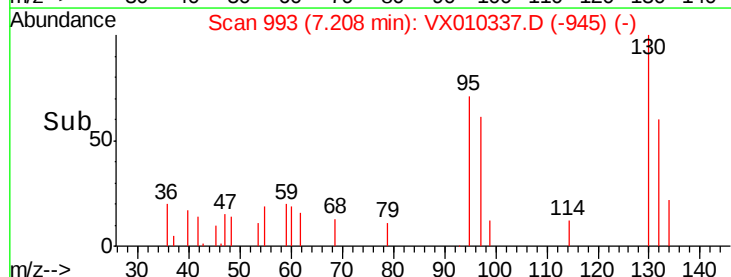
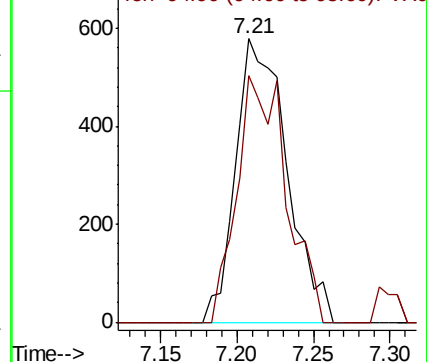
130 100

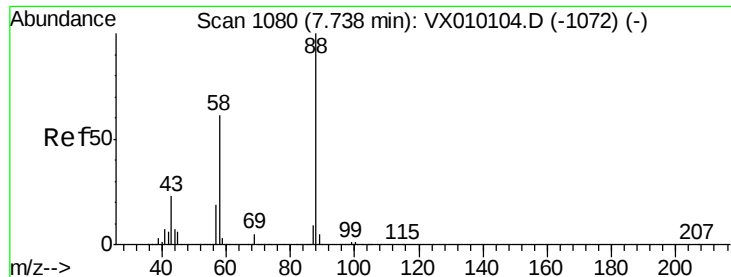
95 87.0 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.548 ug/l

RT: 7.81 min Scan# 1091

Delta R.T. 0.07 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-190617

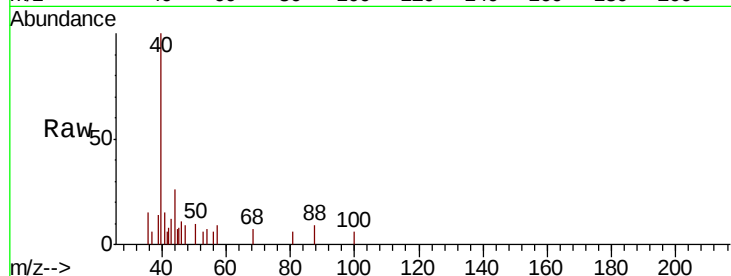
Tot Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 220.0 30.2 45.4#

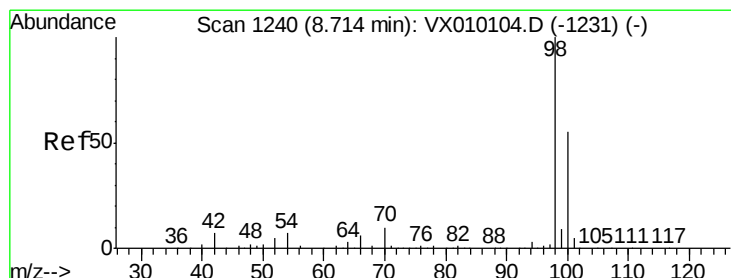
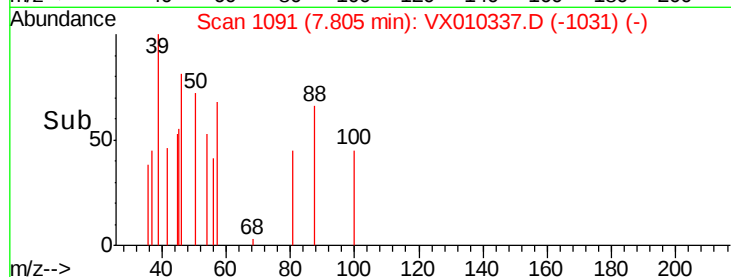
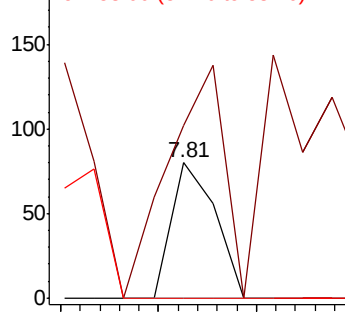
58 0.0 64.0 96.0#



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: 50.493 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010337.D

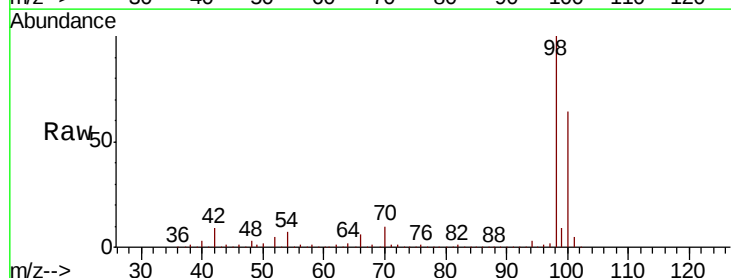
Acq: 18 Jun 2019 12:52

Tgt Ion: 98 Resp: 562736

Ion Ratio Lower Upper

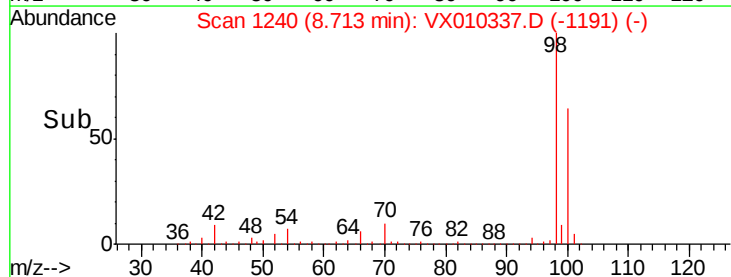
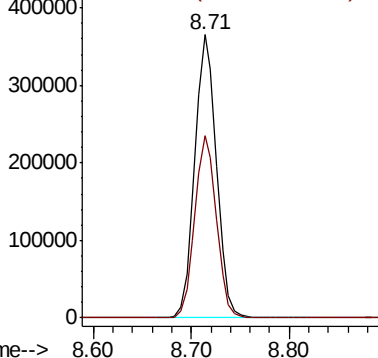
98 100

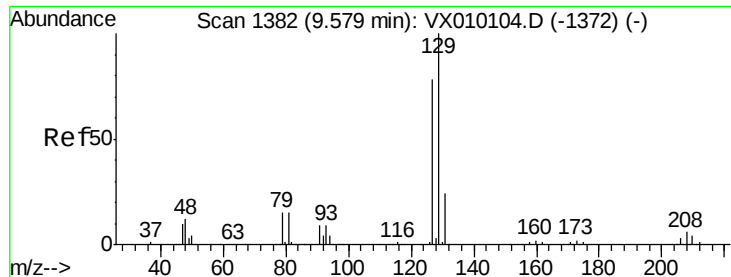
100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.238 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

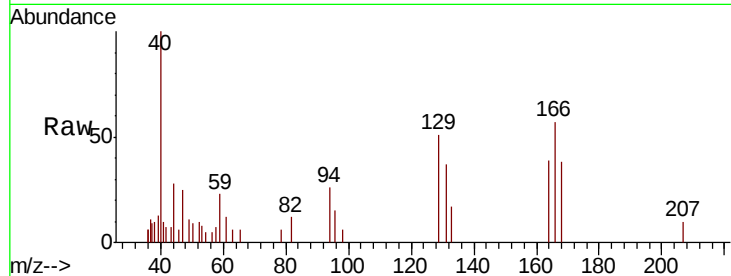
KY038PS037-190617

Tot Ion:129 Resp: 923

Ion Ratio Lower Upper

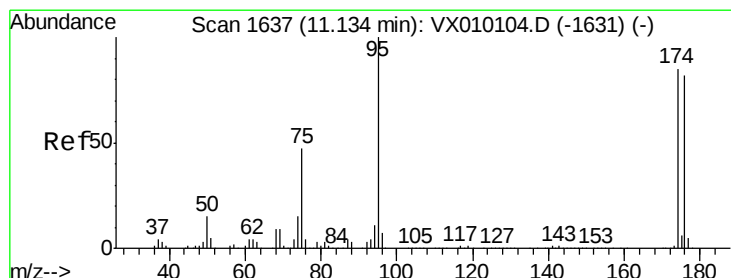
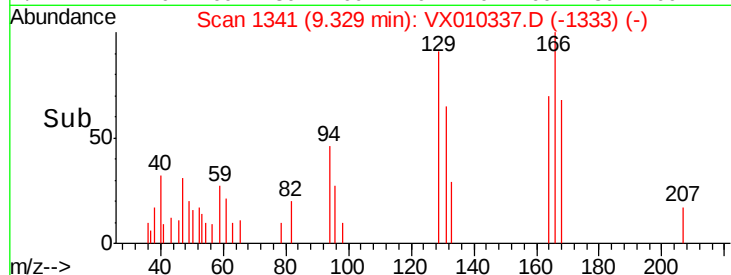
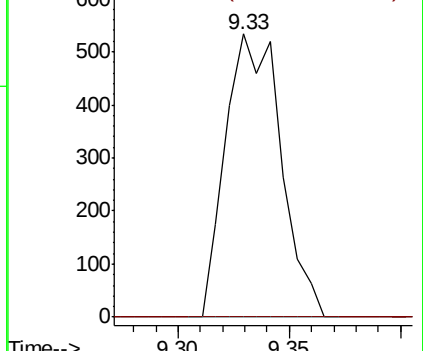
129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.081 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

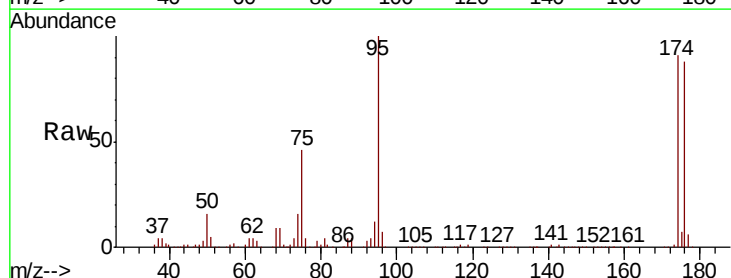
Tgt Ion: 95 Resp: 191795

Ion Ratio Lower Upper

95 100

174 95.9 0.0 160.4

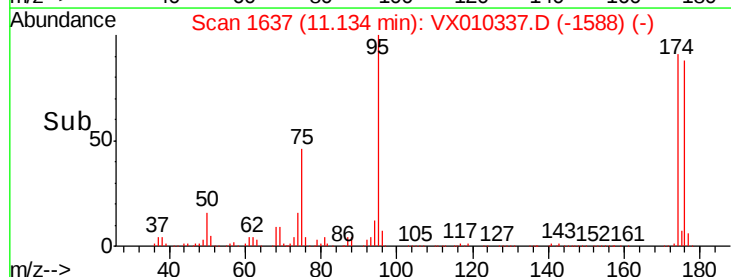
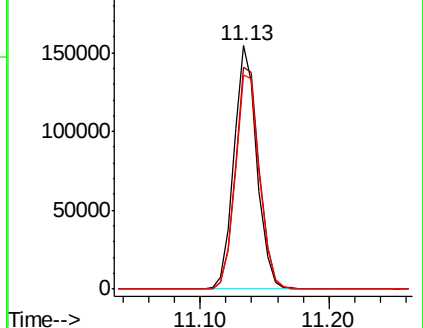
176 92.7 0.0 154.6

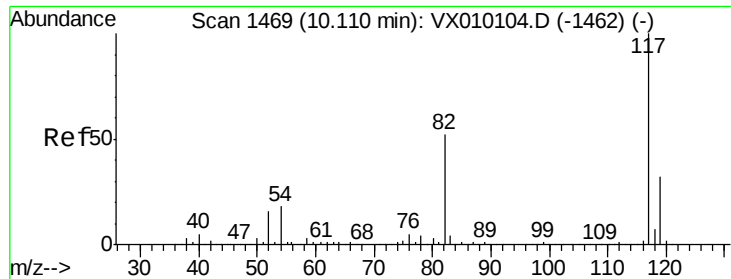


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

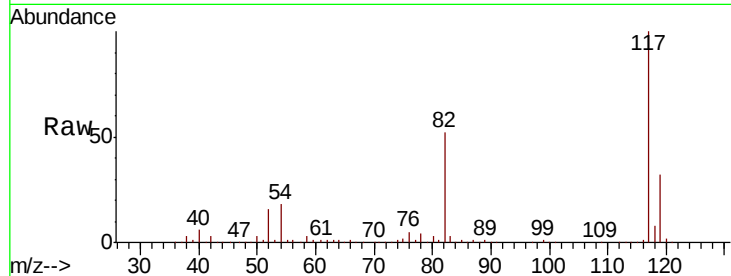




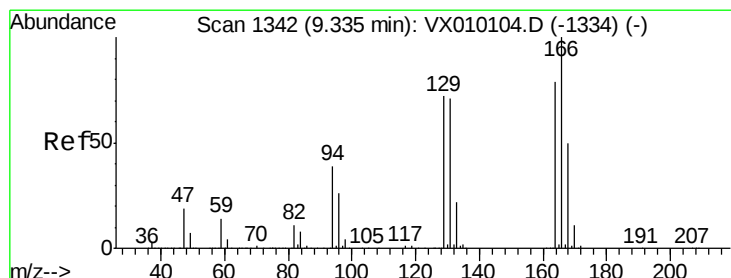
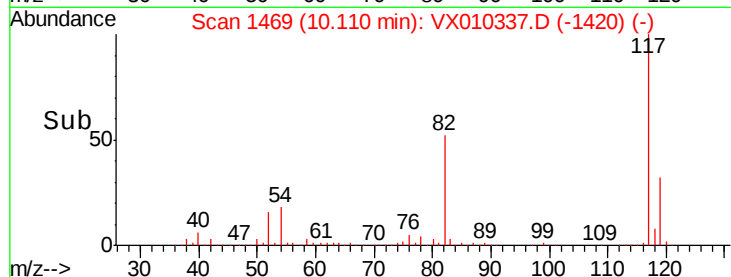
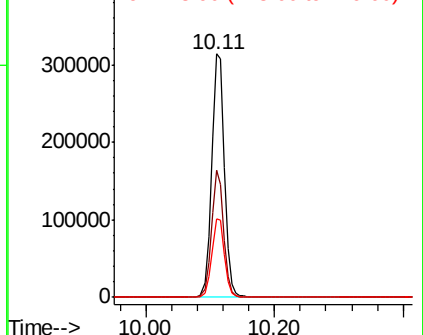
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010337.D
Acq: 18 Jun 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-190617

Tot Ion:117 Resp: 435651
Ion Ratio Lower Upper
117 100
82 52.4 49.2 73.8
119 32.3 25.2 37.8

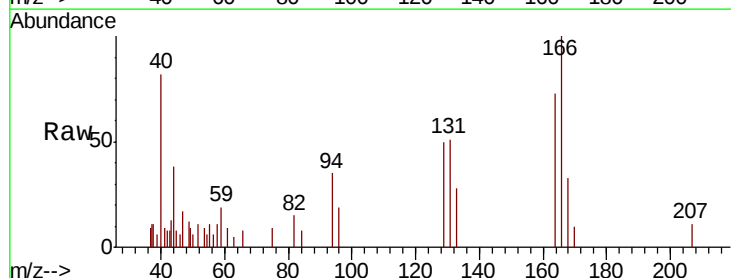


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

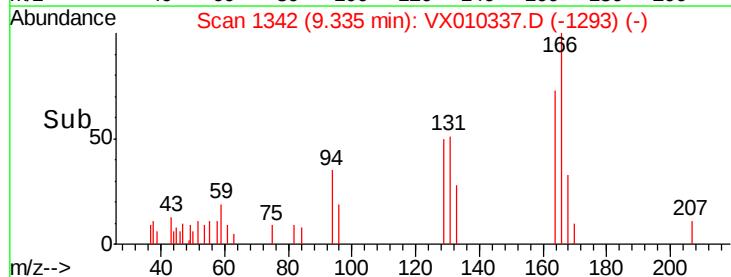
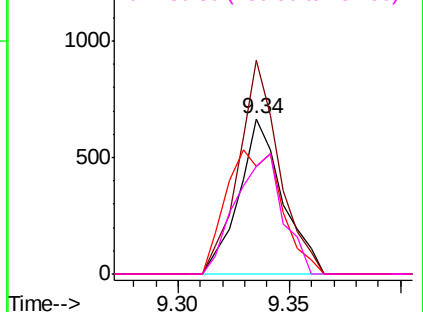


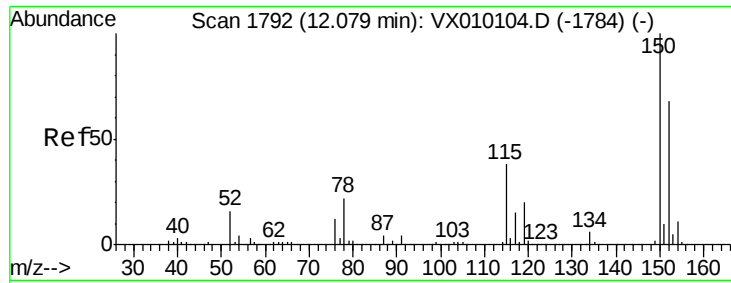
#64
Tetrachloroethene
Concen: 0.282 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010337.D
Acq: 18 Jun 2019 12:52

Tgt Ion:164 Resp: 913
Ion Ratio Lower Upper
164 100
166 137.7 105.0 157.4
129 69.2 75.1 112.7#
131 69.6 72.2 108.4#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-190617

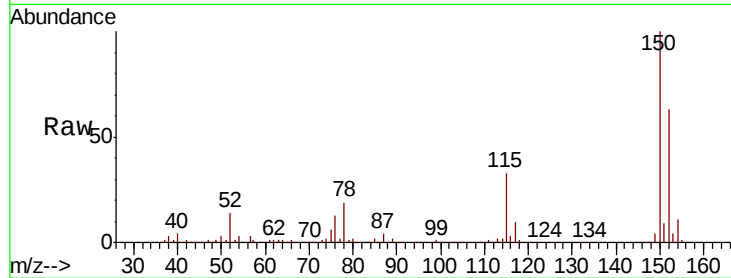
Tot Ion:152 Resp: 203897

Ion Ratio Lower Upper

152 100

115 53.8 41.4 124.2

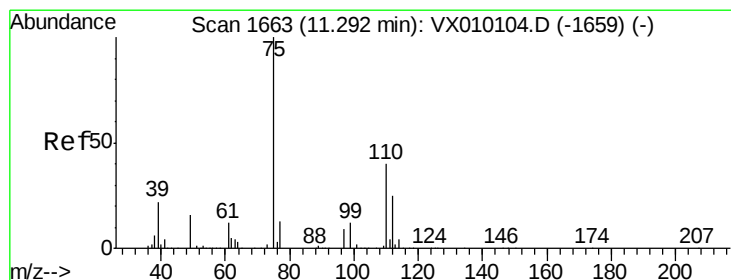
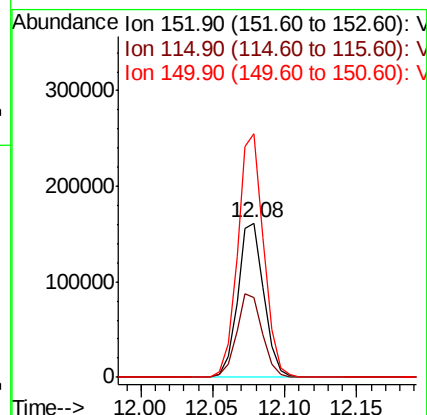
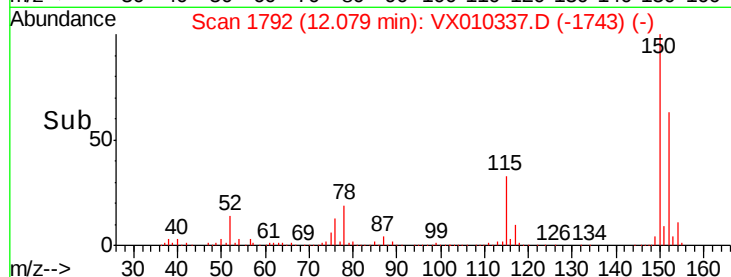
150 157.4 0.0 345.2



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: 21.446 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010337.D

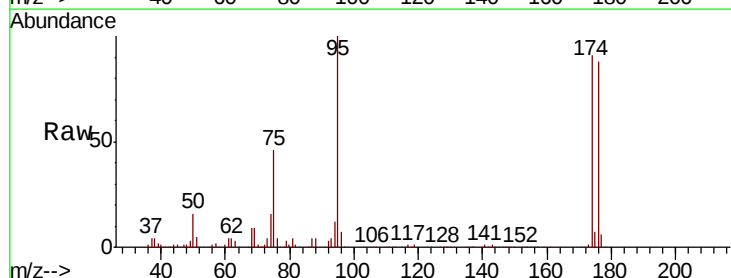
Acq: 18 Jun 2019 12:52

Tgt Ion: 75 Resp: 87462

Ion Ratio Lower Upper

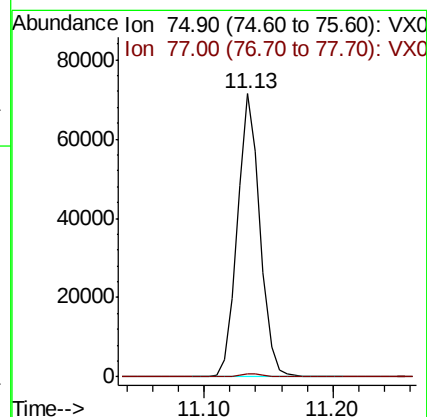
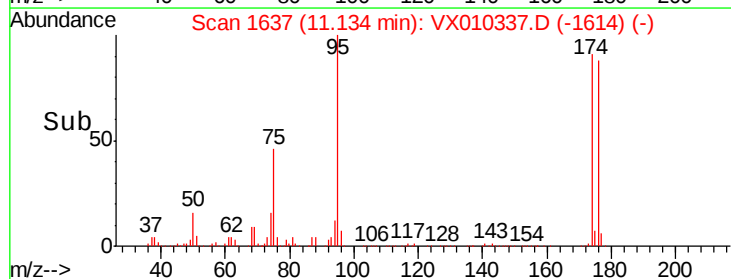
75 100

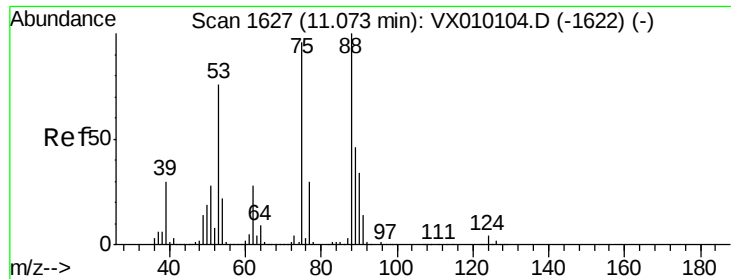
77 1.1 22.1 66.1#



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: 47.382 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010337.D

Acq: 18 Jun 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-190617

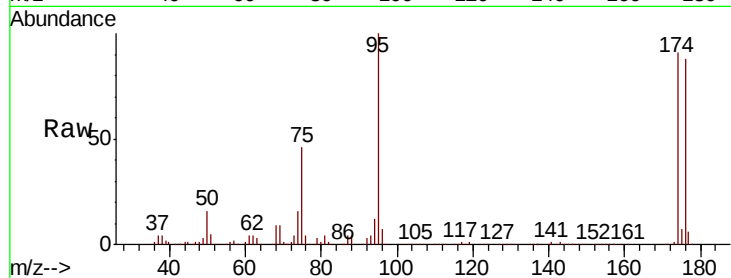
Tot Ion: 75 Resp: 87462

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



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

