

Data File : VX013927.D
Acq On : 11 Dec 2019 03:51
Operator : JC/SP
Sample : K6237-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-191209

Quant Time: Dec 11 04:57:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	562855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	866266	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	779430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	353506	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	316570	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	5.49	113	261068	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	8.71	98	1023239	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.14	95	341643	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	

Target Compounds

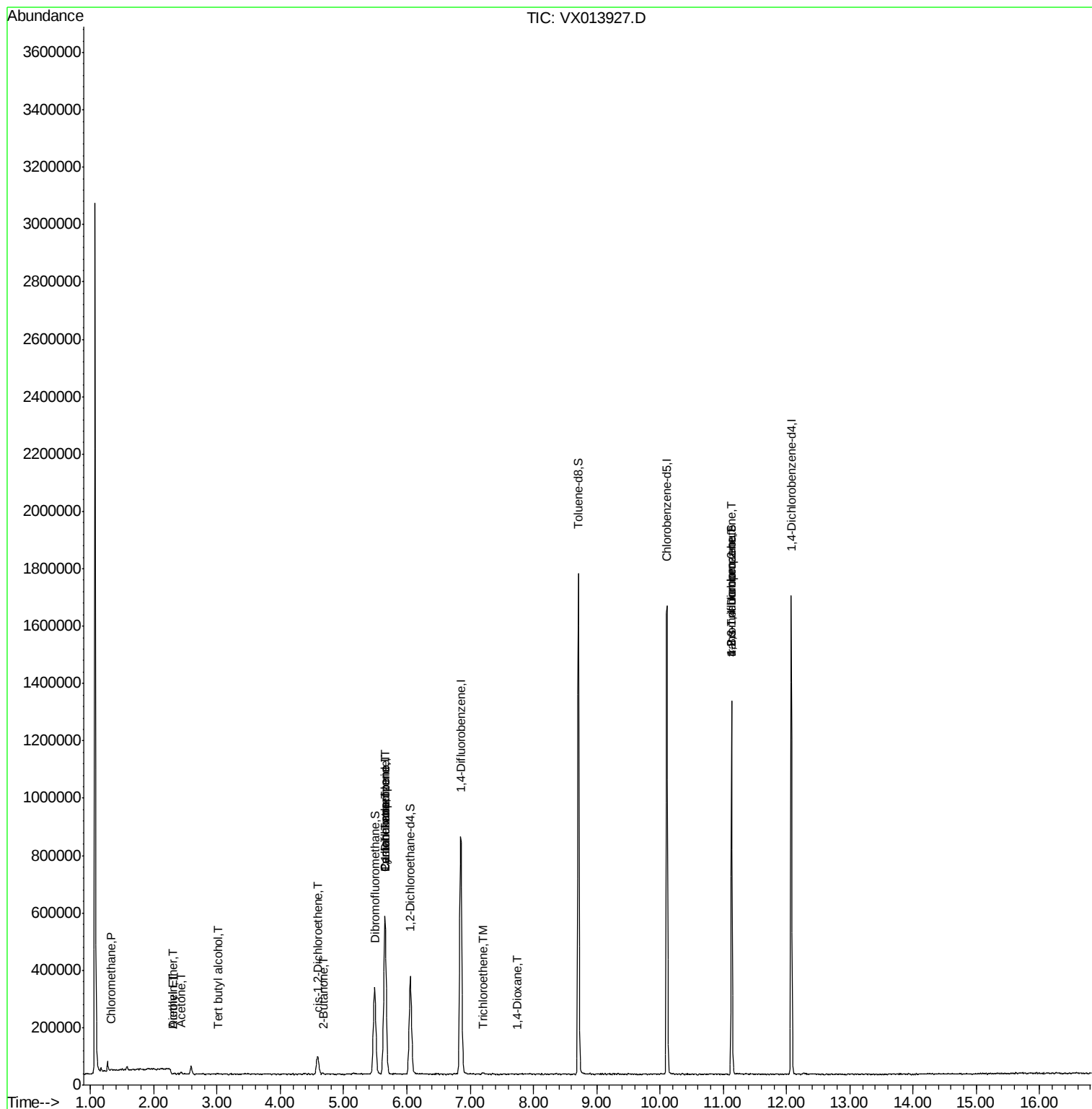
						Qvalue
3) Chloromethane	1.32	50	2893	0.412	ug/l	96
8) Diethyl Ether	2.31	74	871	0.219	ug/l	99
11) Tert butyl alcohol	3.01	59	2354	1.460	ug/l #	83
13) Acrolein	2.31	56	769	6.700	ug/l #	15
16) Acetone	2.43	43	7630	2.365	ug/l	93
25) 2-Butanone	4.69	43	1323	0.276	ug/l #	70
27) cis-1,2-Dichloroethene	4.59	96	42354	6.320	ug/l	86
31) Cyclohexane	5.65	56	9407	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	39715	5.051	ug/l #	51
38) Carbon Tetrachloride	5.65	117	50814	7.008	ug/l #	15
44) Trichloroethene	7.20	130	1715	0.261	ug/l	69
49) 1,4-Dioxane	7.75	88	173	1.095	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	170633	21.461	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	170633	58.712	ug/l #	11

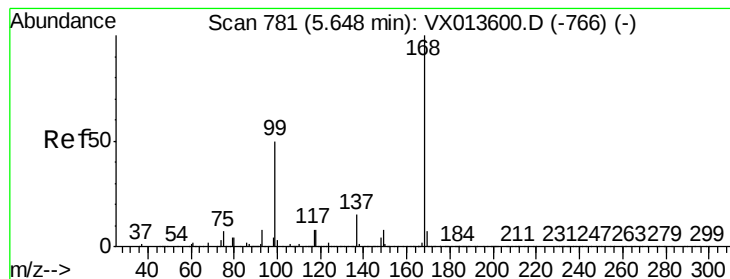
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013927.D

Acq: 11 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

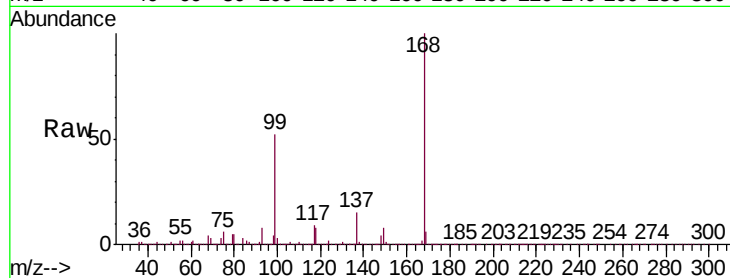
KY038PS038-191209

Tgt Ion: 168 Resp: 562855

Ion Ratio Lower Upper

168 100

99 51.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

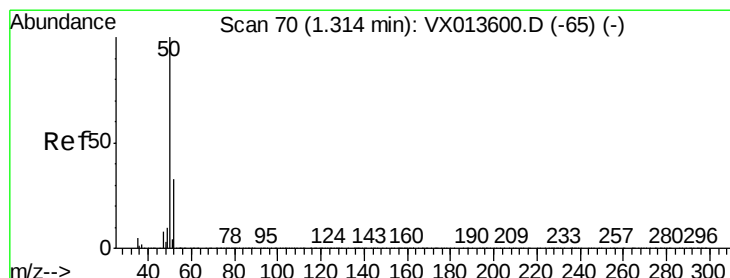
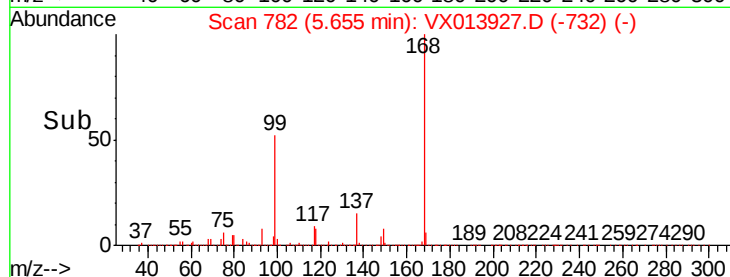
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.412 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013927.D

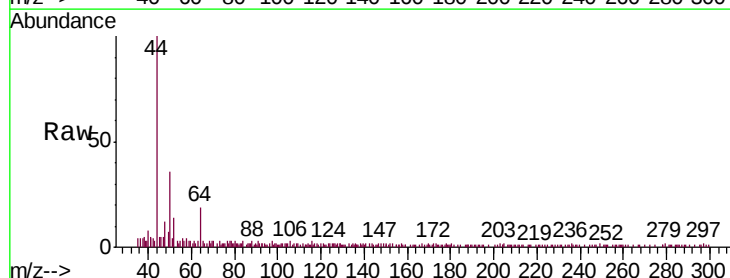
Acq: 11 Dec 2019 03:51

Tgt Ion: 50 Resp: 2893

Ion Ratio Lower Upper

50 100

52 34.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

3000

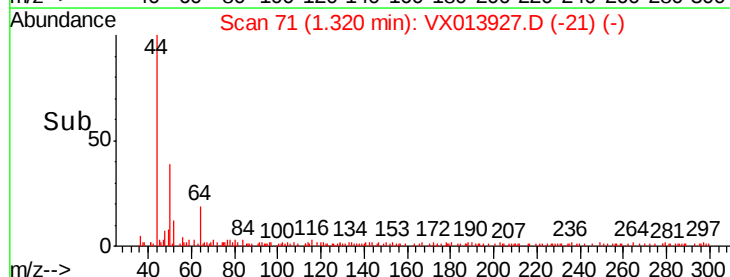
2000

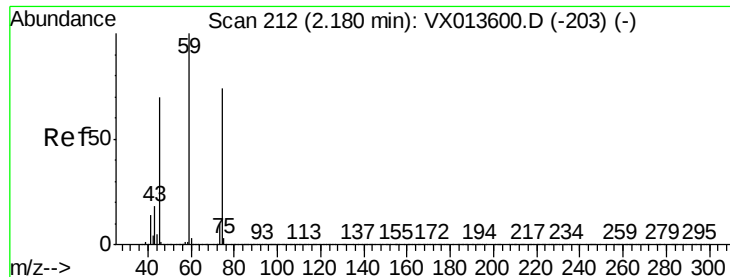
1000

0

Time-->

1.30 1.35





#8

Diethyl Ether

Concen: 0.219 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.13 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

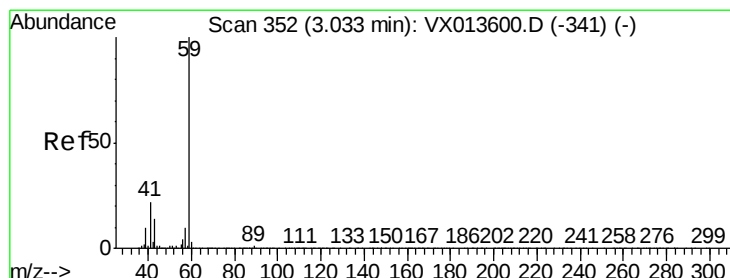
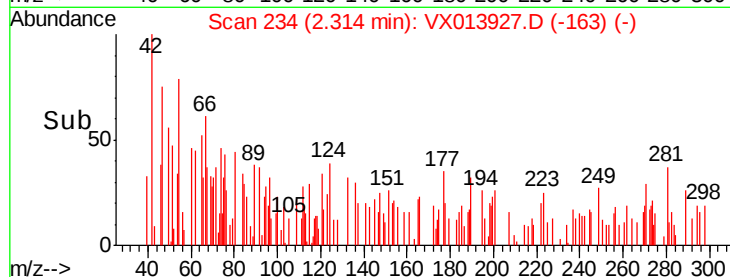
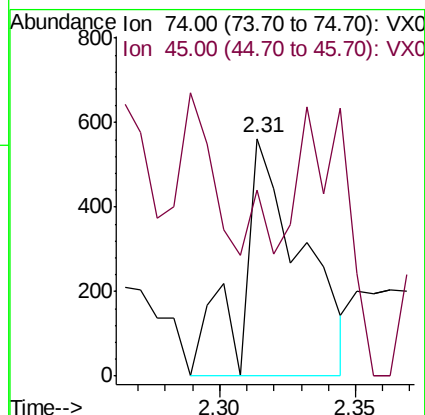
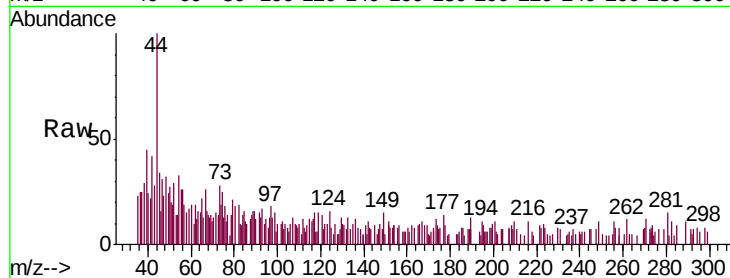
KY038PS038-191209

Tgt Ion: 74 Resp: 871

Ion Ratio Lower Upper

74 100

45 96.8 48.9 146.8



#11

Tert butyl alcohol

Concen: 1.460 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013927.D

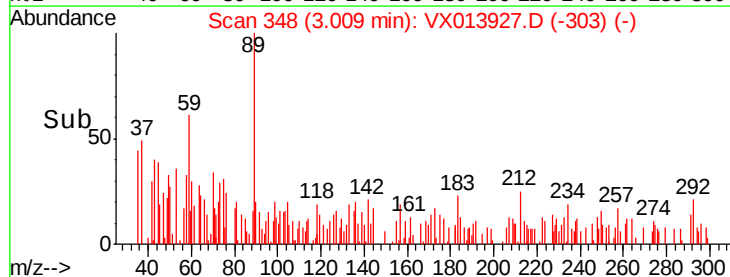
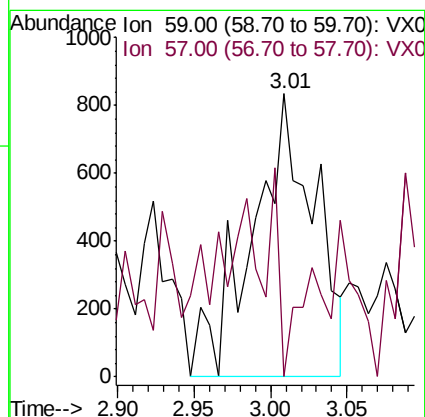
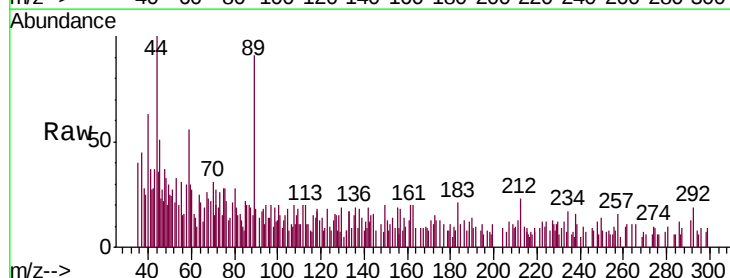
Acq: 11 Dec 2019 03:51

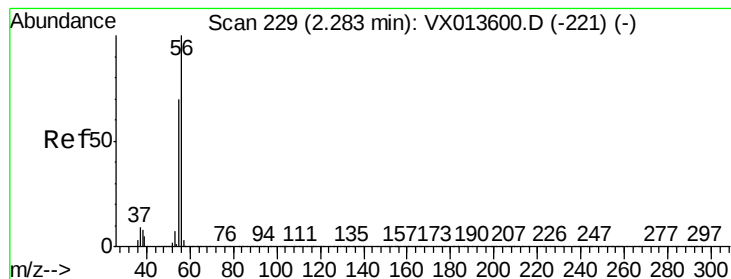
Tgt Ion: 59 Resp: 2354

Ion Ratio Lower Upper

59 100

57 3.5 7.8 11.6#





#13

Acrolein

Concen: 6.700 ug/l

RT: 2.31 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

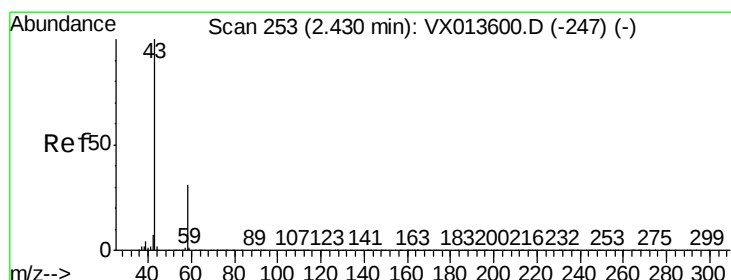
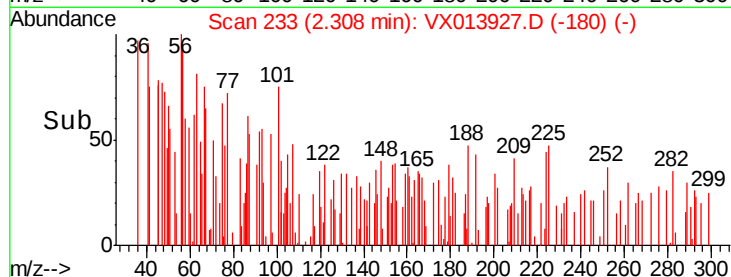
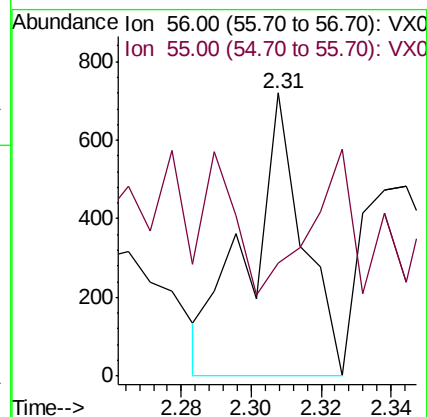
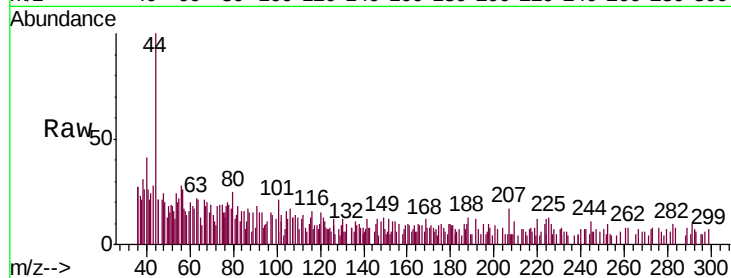
KY038PS038-191209

Tgt Ion: 56 Resp: 769

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 2.365 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013927.D

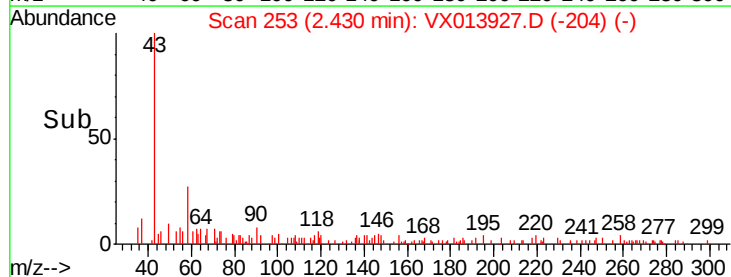
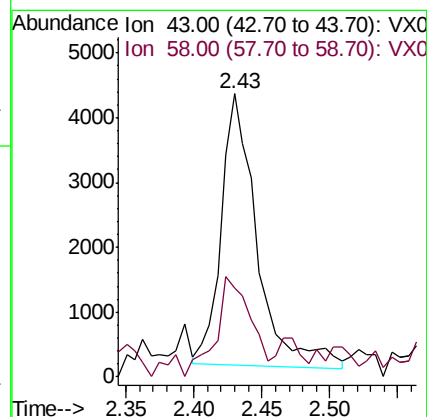
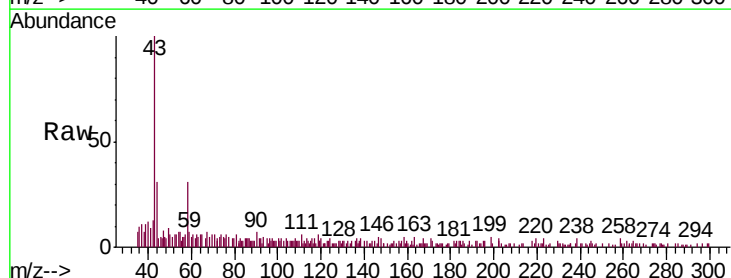
Acq: 11 Dec 2019 03:51

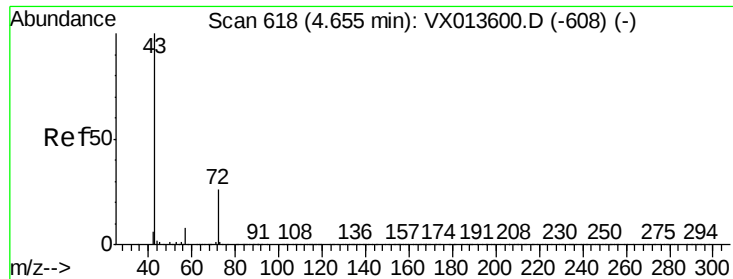
Tgt Ion: 43 Resp: 7630

Ion Ratio Lower Upper

43 100

58 27.0 24.6 36.8





#25

2-Butanone

Concen: 0.276 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

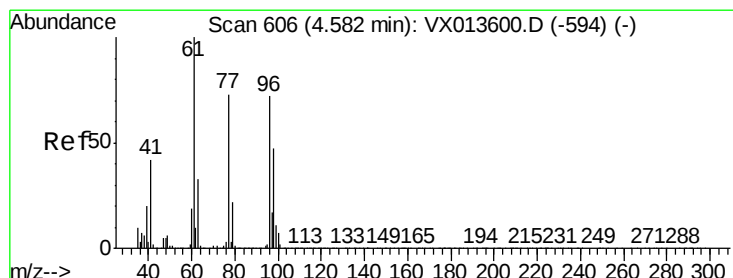
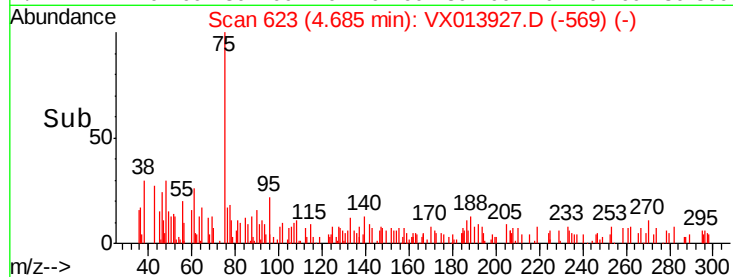
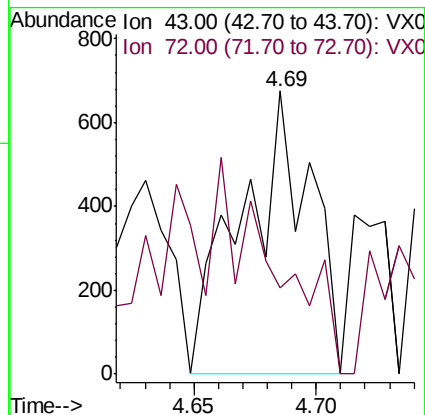
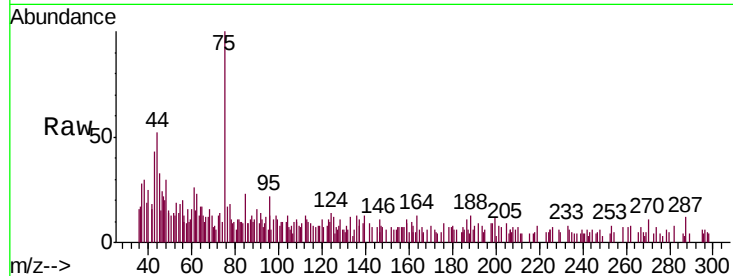
KY038PS038-191209

Tgt Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

72 10.5 20.6 31.0#



#27

cis-1,2-Dichloroethene

Concen: 6.320 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

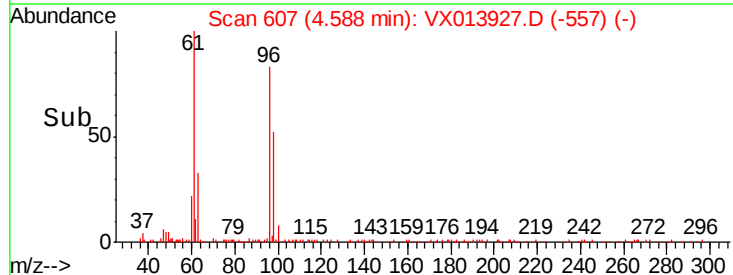
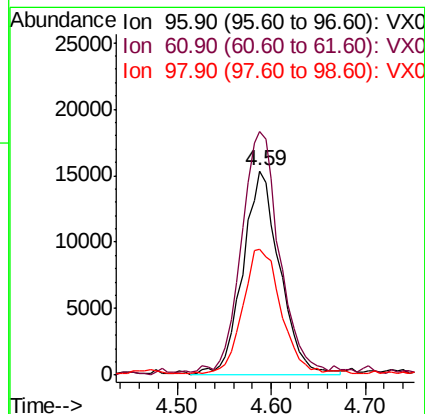
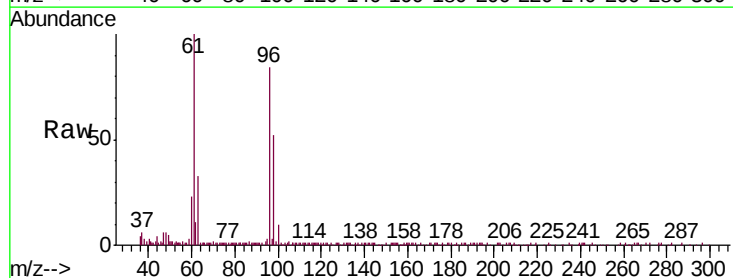
Tgt Ion: 96 Resp: 42354

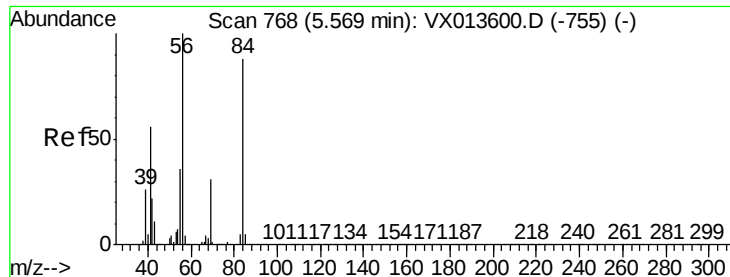
Ion Ratio Lower Upper

96 100

61 119.2 0.0 286.4

98 63.0 0.0 127.4

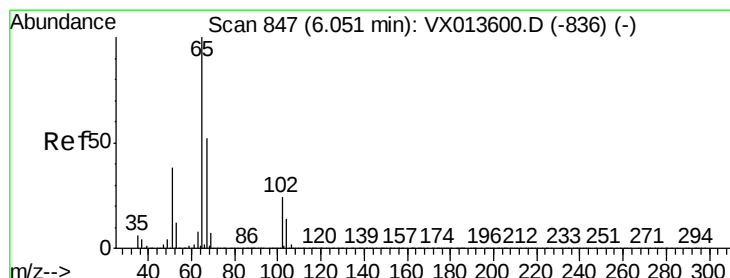
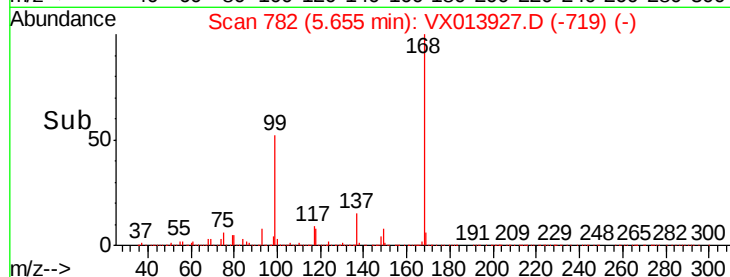
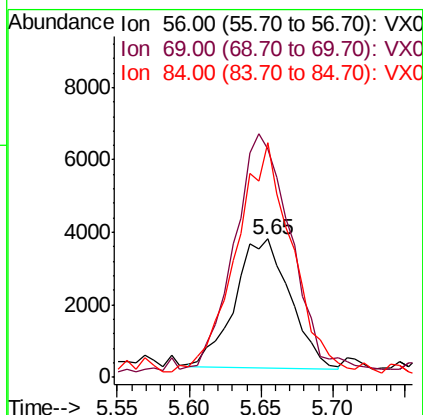
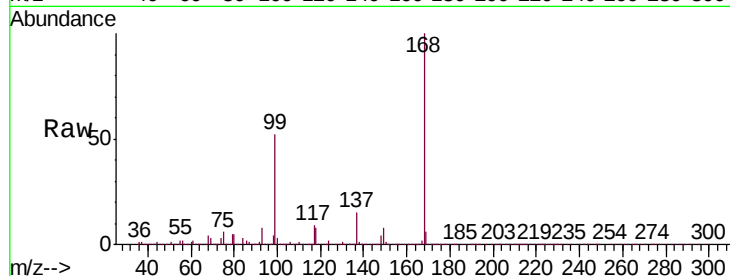




#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013927.D
Acq: 11 Dec 2019 03:51

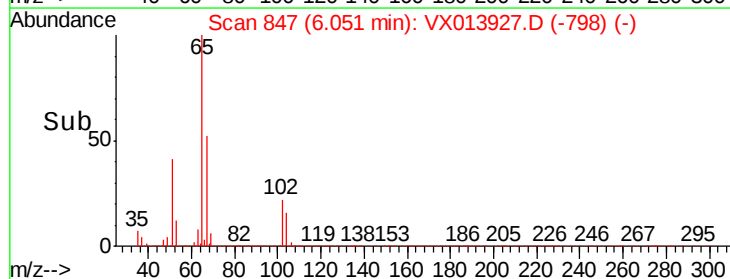
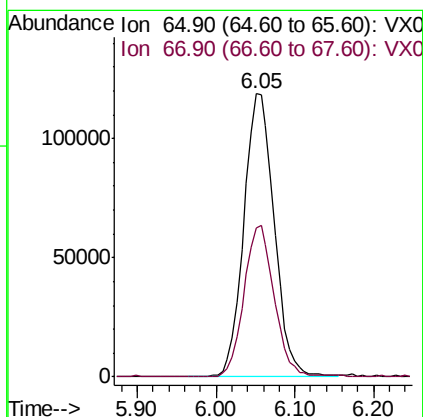
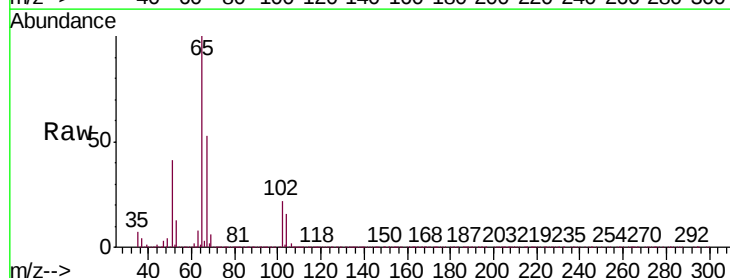
Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-191209

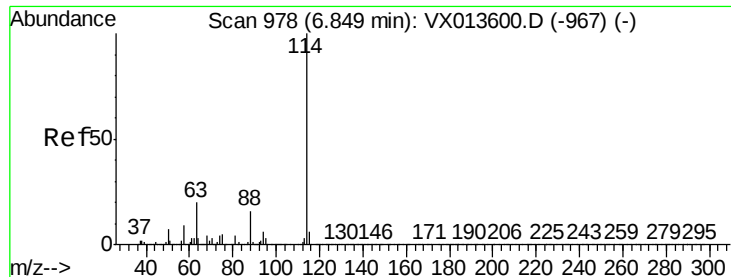
Tgt Ion: 56 Resp: 9407
Ion Ratio Lower Upper
56 100
69 172.2 24.6 36.8#
84 176.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.454 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013927.D
Acq: 11 Dec 2019 03:51

Tgt Ion: 65 Resp: 316570
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

KY038PS038-191209

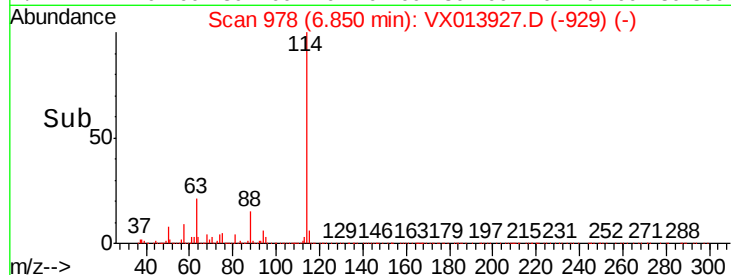
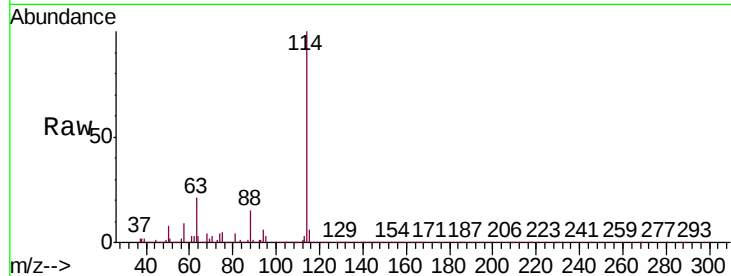
Tgt Ion:114 Resp: 866266

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

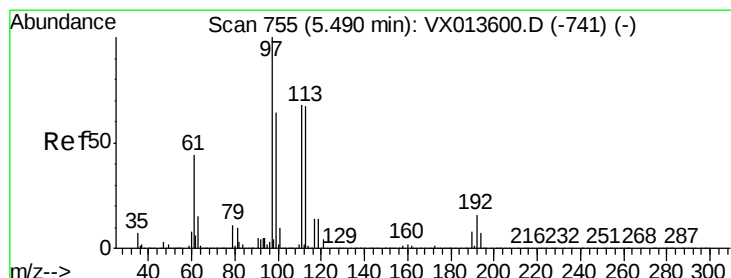
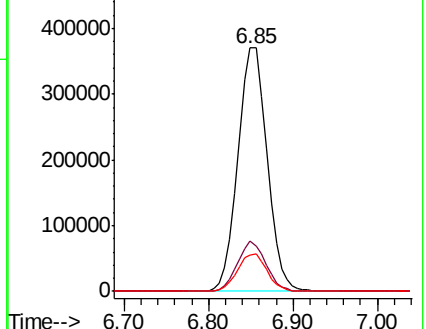
88 15.0 0.0 31.4



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: 48.749 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

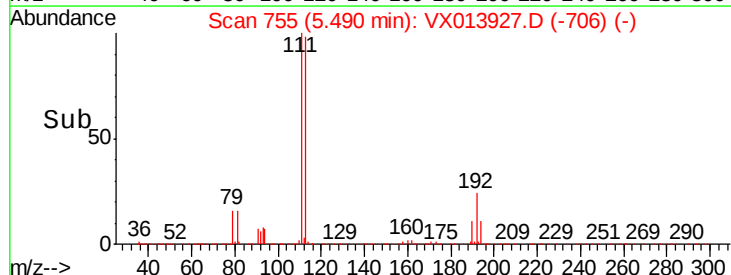
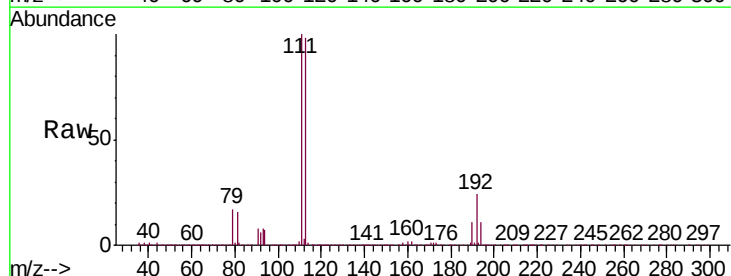
Tgt Ion:113 Resp: 261068

Ion Ratio Lower Upper

113 100

111 102.0 83.6 125.4

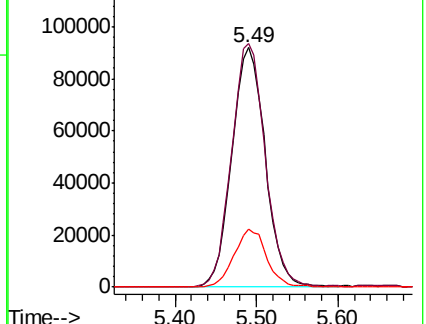
192 23.5 19.2 28.8

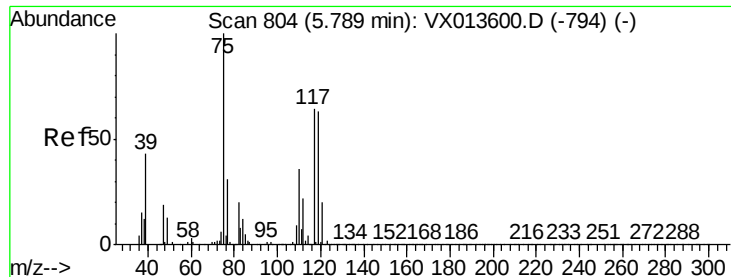


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.051 ug/l

RT: 5.66 min Scan# 783

Delta R.T. -0.13 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

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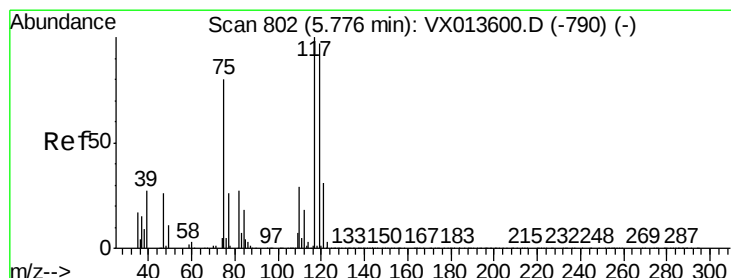
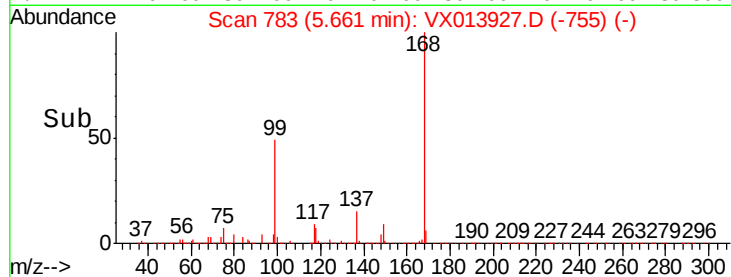
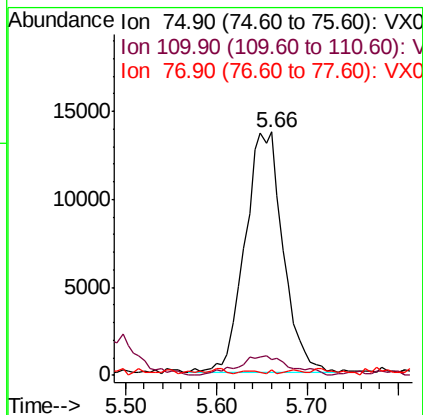
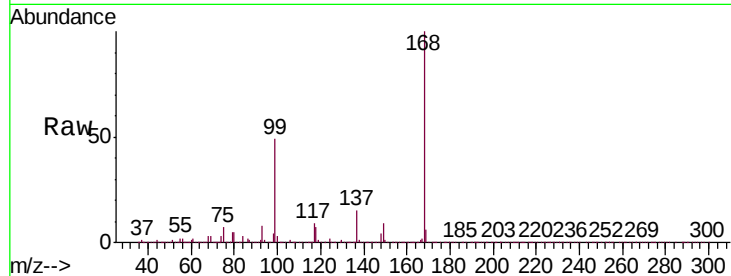
Tgt Ion: 75 Resp: 39715

Ion Ratio Lower Upper

75 100

110 11.0 18.1 54.1#

77 0.3 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 7.008 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

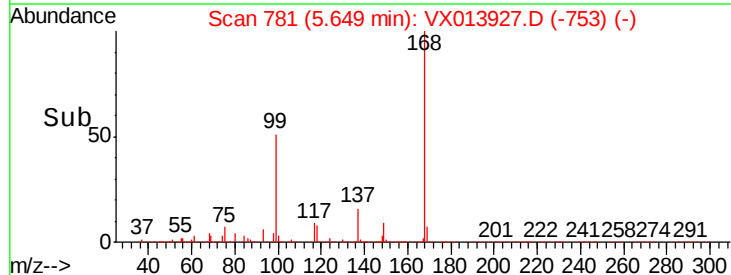
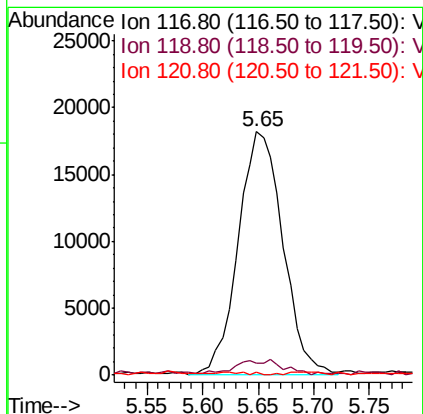
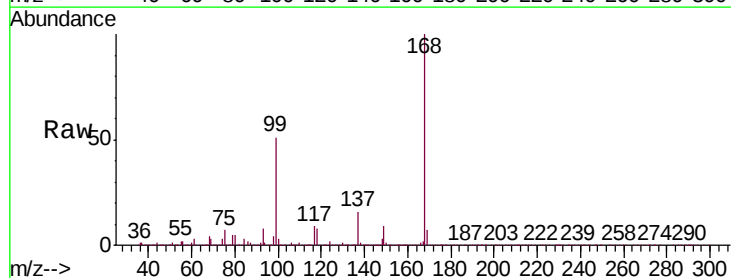
Tgt Ion: 117 Resp: 50814

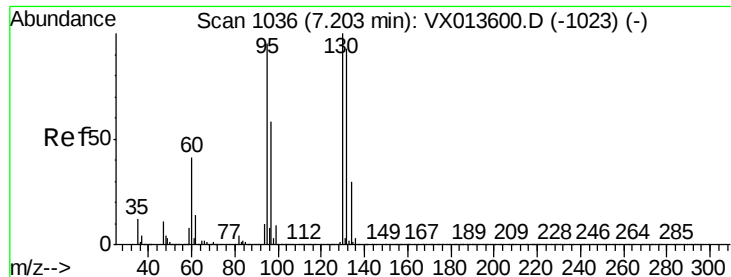
Ion Ratio Lower Upper

117 100

119 4.2 77.5 116.3#

121 0.7 25.0 37.6#





#44

Trichloroethene

Concen: 0.261 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

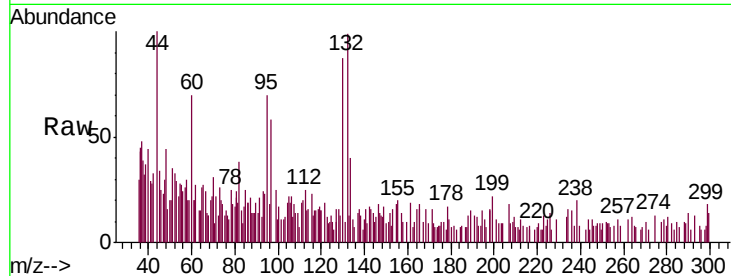
KY038PS038-191209

Tgt Ion:130 Resp: 1715

Ion Ratio Lower Upper

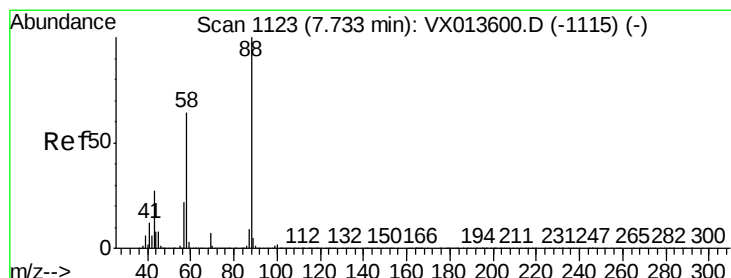
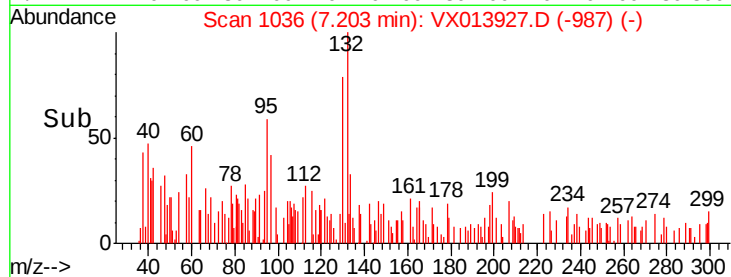
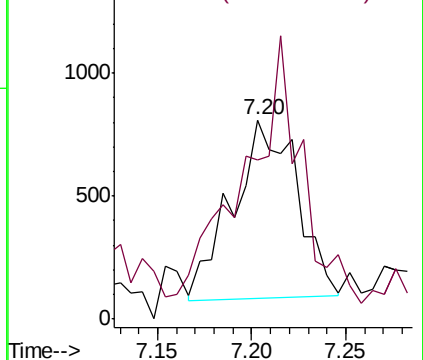
130 100

95 65.6 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.095 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

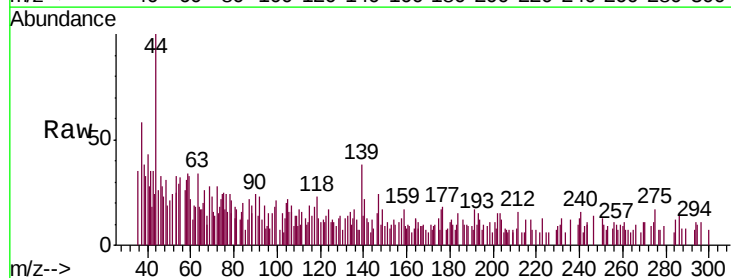
Tgt Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

43 339.9 25.8 38.6#

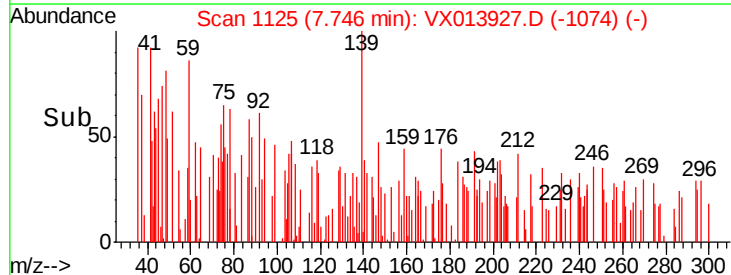
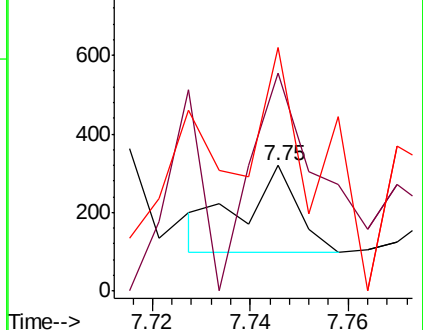
58 539.3 54.6 82.0#

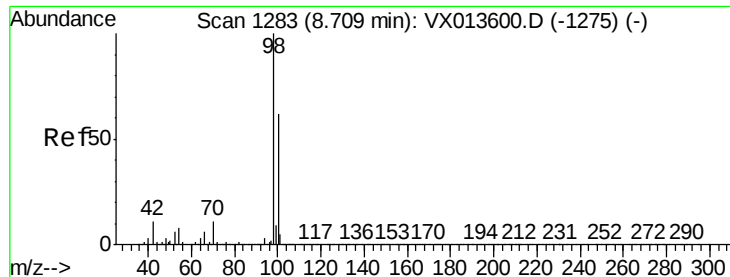


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.041 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

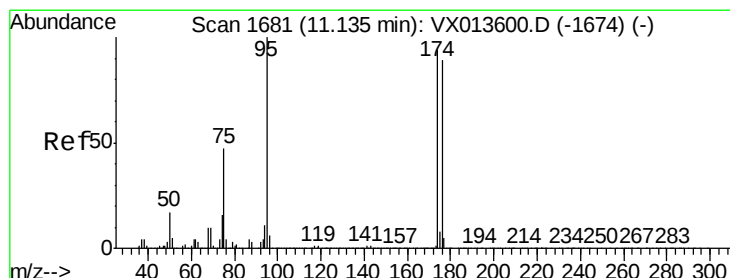
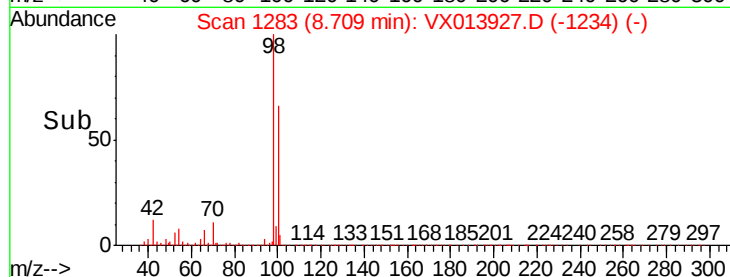
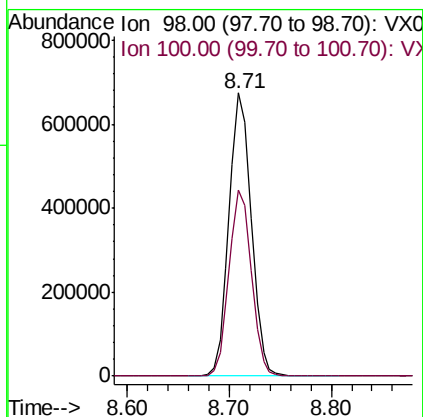
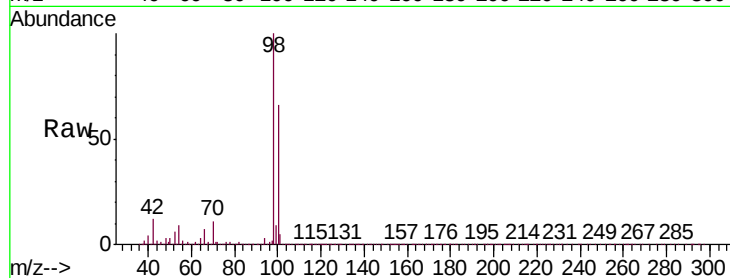
KY038PS038-191209

Tgt Ion: 98 Resp: 1023239

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.407 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

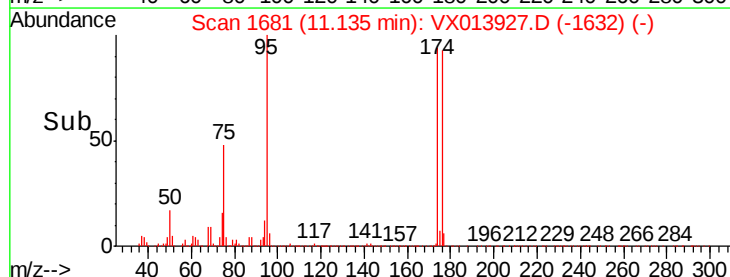
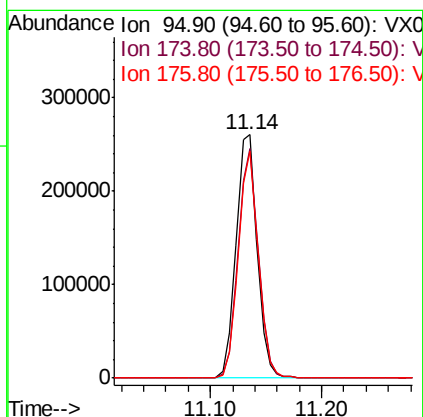
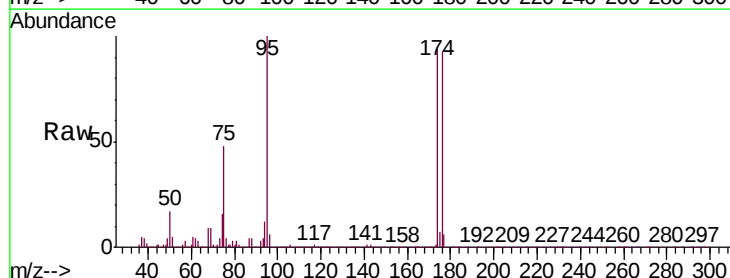
Tgt Ion: 95 Resp: 341643

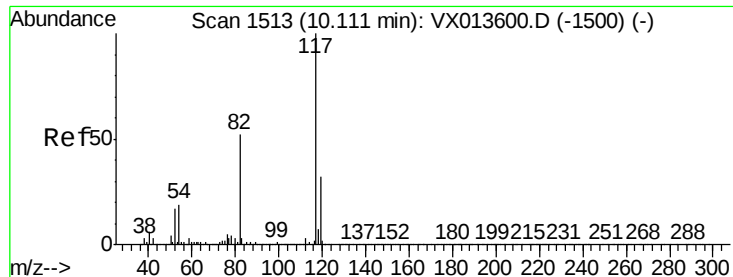
Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.0

176 89.1 0.0 173.6

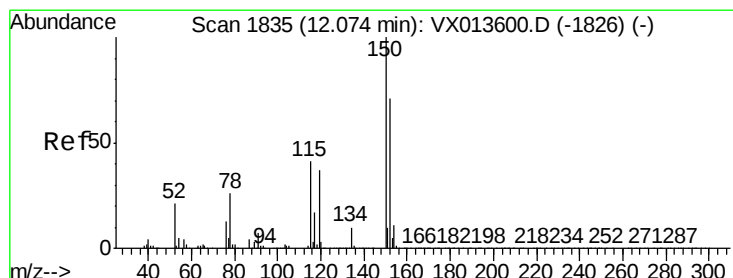
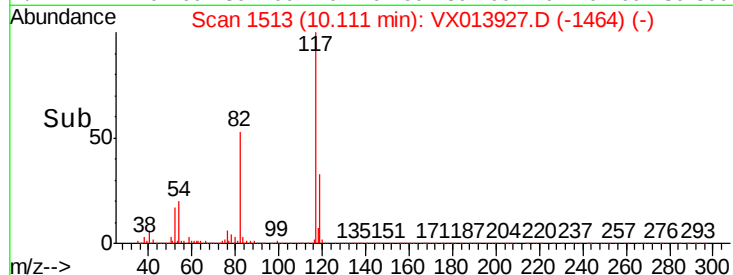
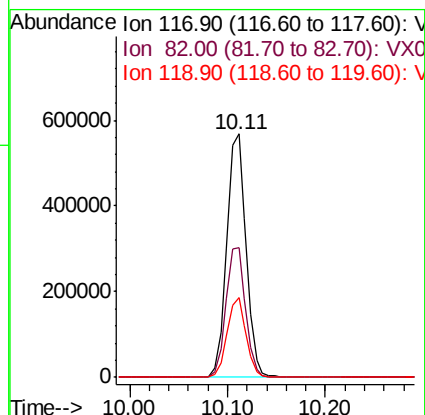
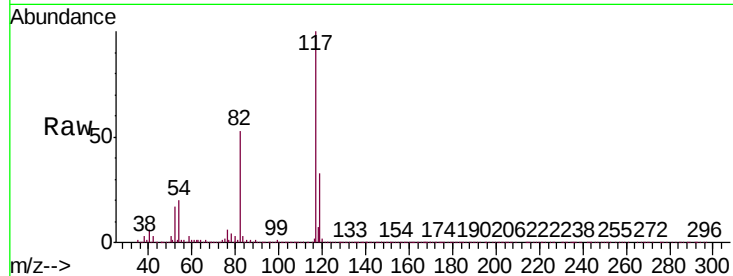




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013927.D
Acq: 11 Dec 2019 03:51

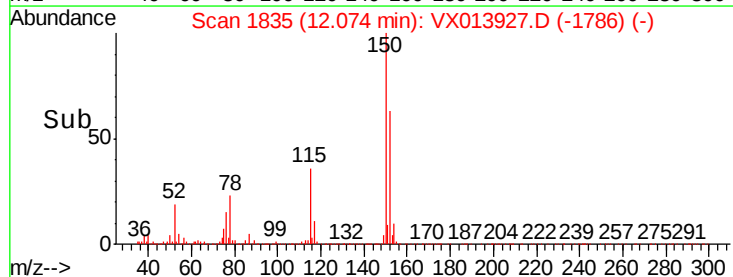
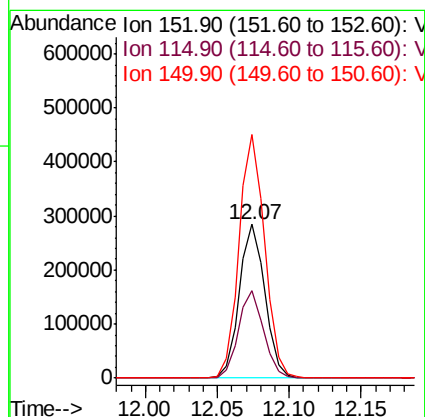
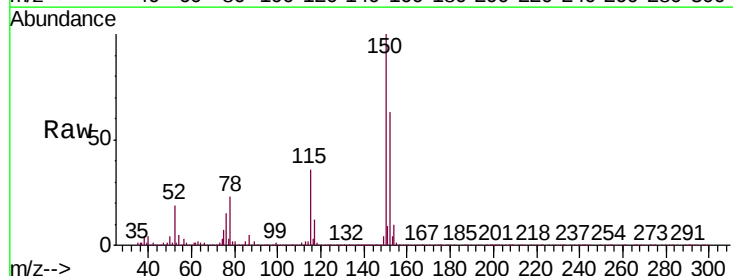
Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-191209

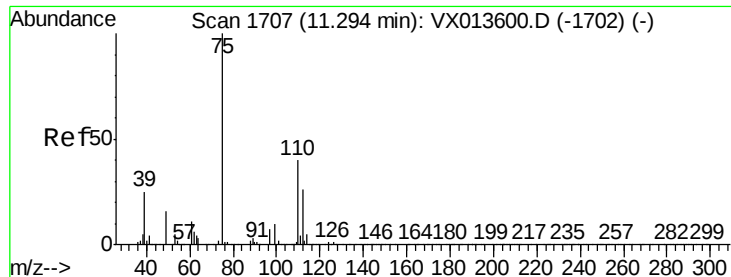
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.8
119	32.6	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013927.D
Acq: 11 Dec 2019 03:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	38.4	115.1
150	158.0	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 21.461 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

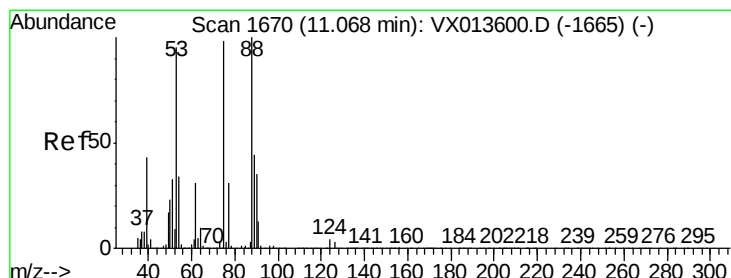
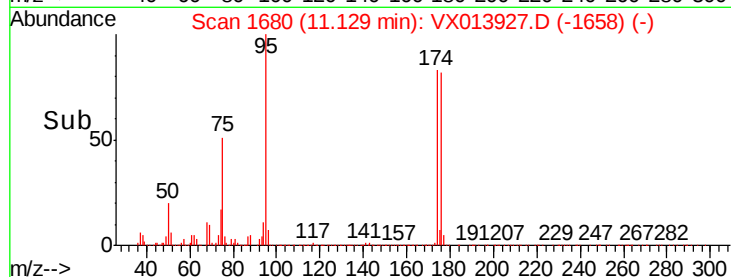
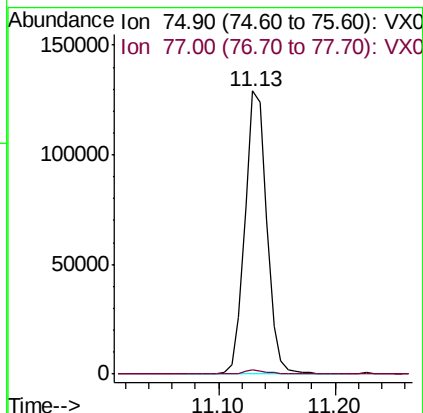
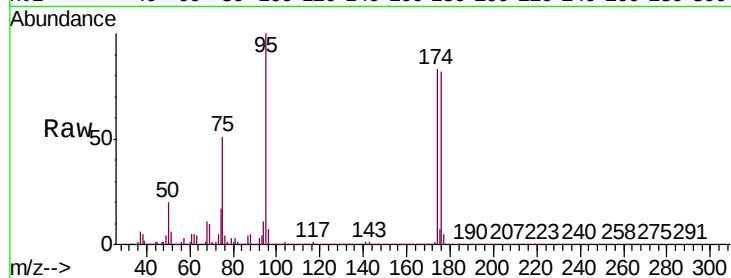
KY038PS038-191209

Tgt Ion: 75 Resp: 170633

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.712 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013927.D

Acq: 11 Dec 2019 03:51

Tgt Ion: 75 Resp: 170633

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.0 35.4 53.2#

