

Data File : VX013947.D
Acq On : 11 Dec 2019 16:22
Operator : JC/SP
Sample : K6237-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-191209

Quant Time: Dec 12 04:02:05 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	553813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	861996	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	767510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	328069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	314414	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	5.49	113	258635	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	8.71	98	1018536	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.14	95	338693	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	

Target Compounds

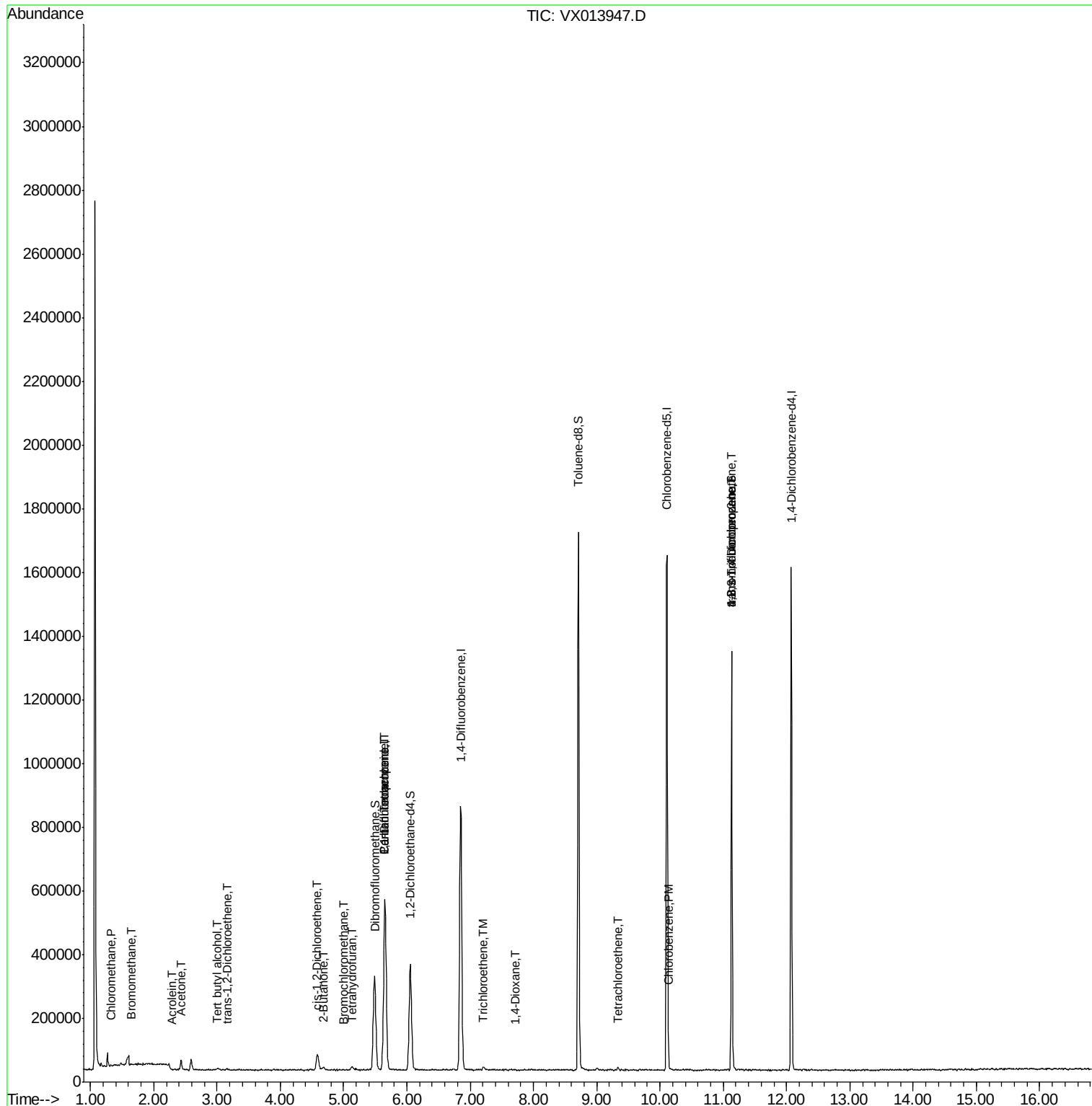
						Qvalue
3) Chloromethane	1.32	50	2796	0.404	ug/l	91
5) Bromomethane	1.64	94	1588	0.304	ug/l #	38
11) Tert butyl alcohol	3.01	59	4983	3.140	ug/l #	89
13) Acrolein	2.28	56	375	6.349	ug/l #	15
16) Acetone	2.43	43	31553	9.942	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	1903	0.331	ug/l #	85
25) 2-Butanone	4.68	43	14845	3.147	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	31966	4.848	ug/l	89
28) Bromochloromethane	4.99	49	877	0.208	ug/l #	17
29) Tetrahydrofuran	5.14	42	8243	2.835	ug/l #	82
36) 1,1-Dichloropropene	5.65	75	40414	5.165	ug/l #	49
38) Carbon Tetrachloride	5.65	117	48706	6.751	ug/l #	16
44) Trichloroethene	7.21	130	5103	0.780	ug/l	100
49) 1,4-Dioxane	7.72	88	842	5.357	ug/l #	43
64) Tetrachloroethene	9.32	164	2059	0.360	ug/l #	64
65) Chlorobenzene	10.14	112	6594	0.414	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	161977	21.952	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	161977	60.055	ug/l #	11

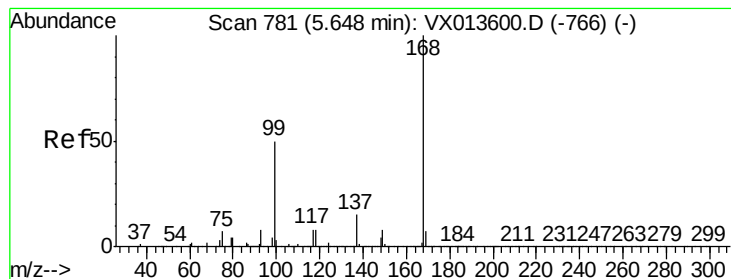
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

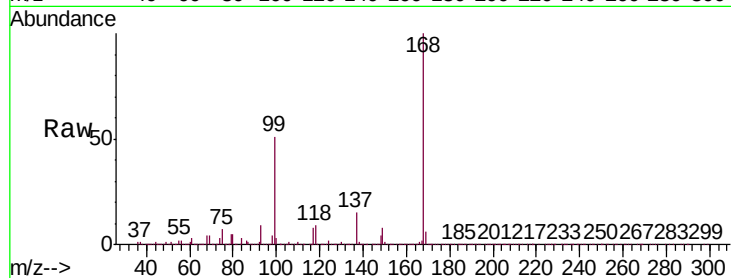
KY038PS037-191209

Tgt Ion:168 Resp: 553813

Ion Ratio Lower Upper

168 100

99 51.0 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

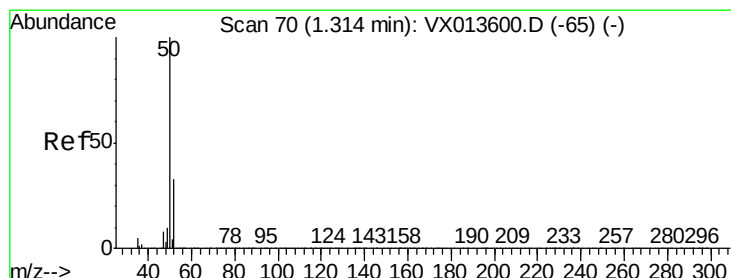
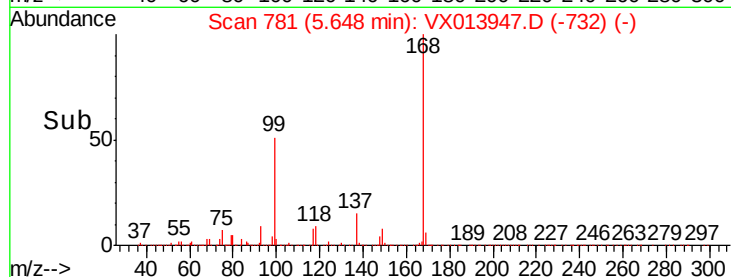
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.404 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013947.D

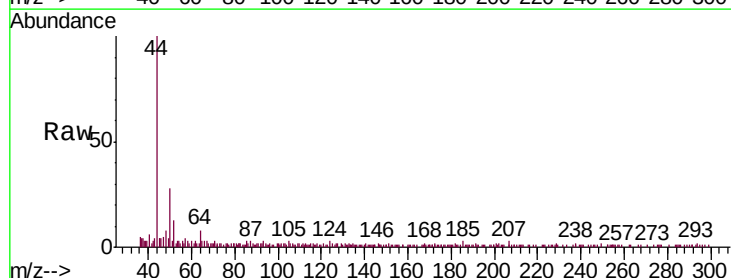
Acq: 11 Dec 2019 16:22

Tgt Ion: 50 Resp: 2796

Ion Ratio Lower Upper

50 100

52 37.8 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

2500

2000

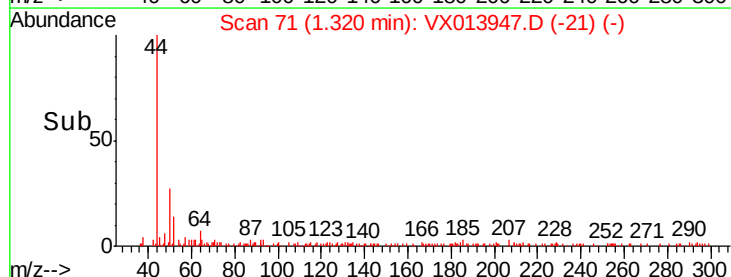
1500

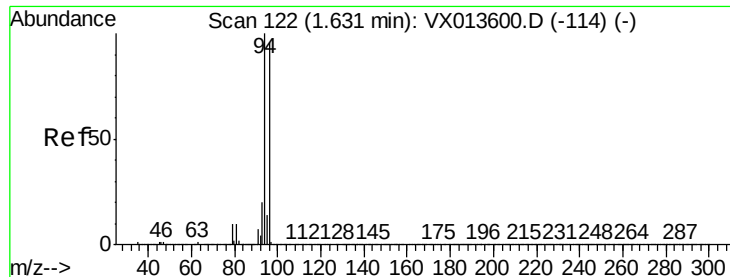
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.304 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

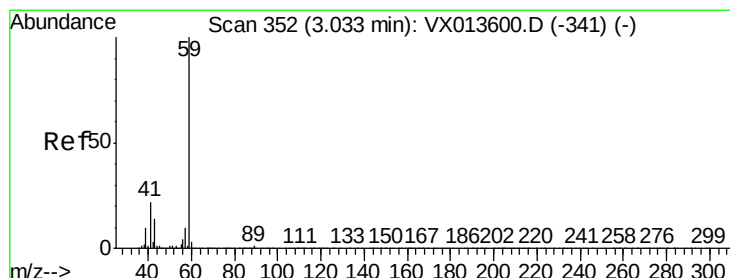
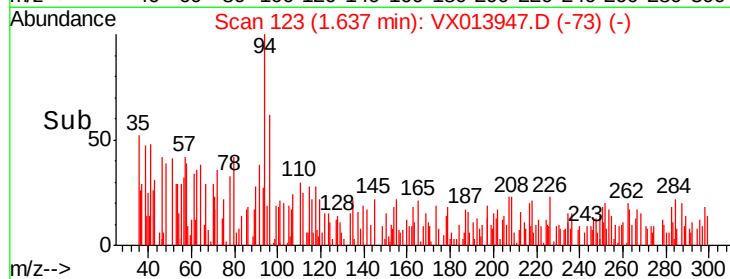
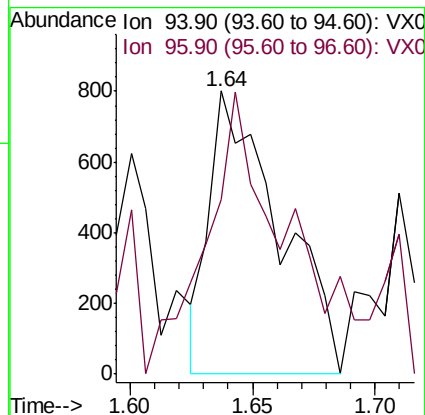
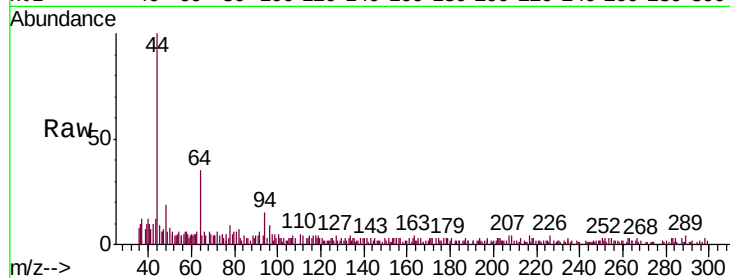
KY038PS037-191209

Tgt Ion: 94 Resp: 1588

Ion Ratio Lower Upper

94 100

96 35.7 77.0 115.4#



#11

Tert butyl alcohol

Concen: 3.140 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013947.D

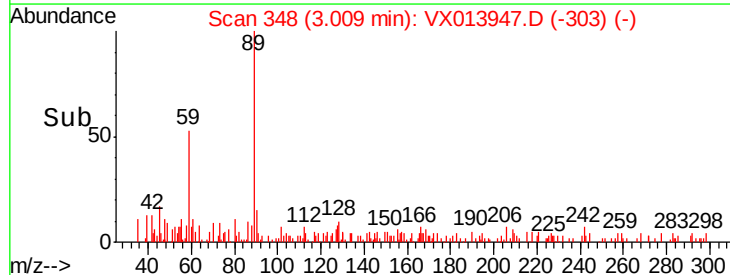
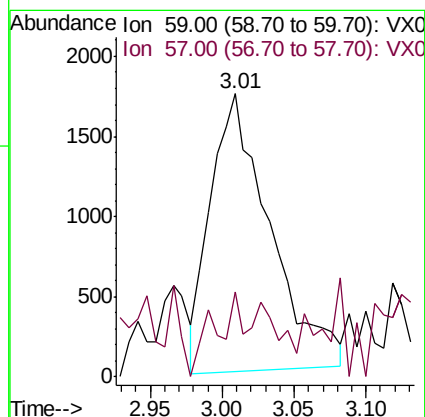
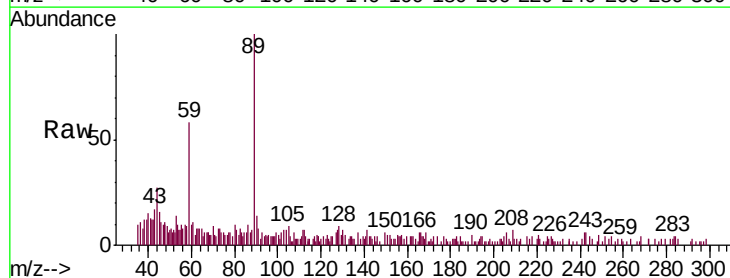
Acq: 11 Dec 2019 16:22

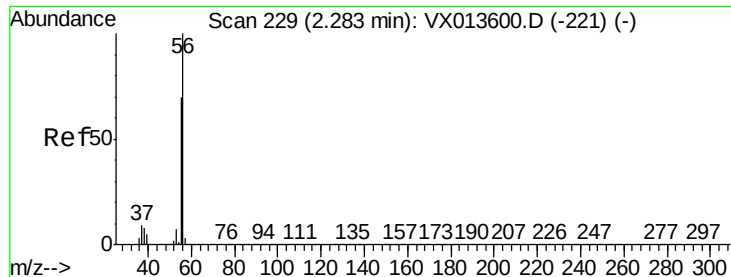
Tgt Ion: 59 Resp: 4983

Ion Ratio Lower Upper

59 100

57 5.5 7.8 11.6#





#13

Acrolein

Concen: 6.349 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

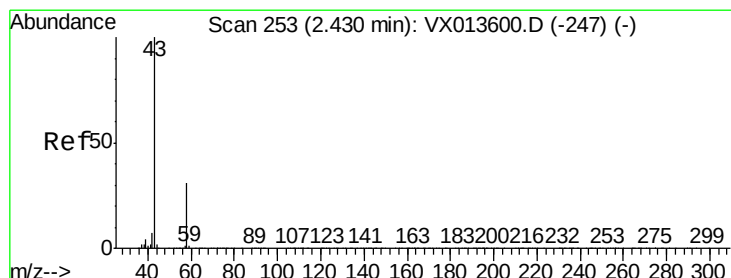
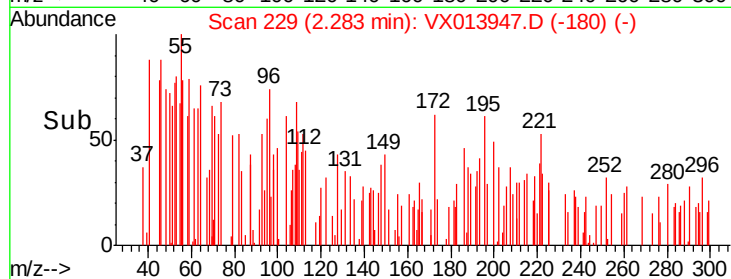
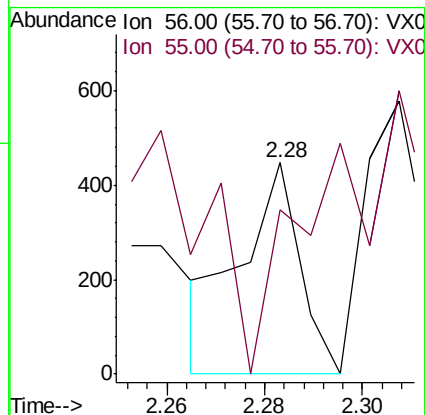
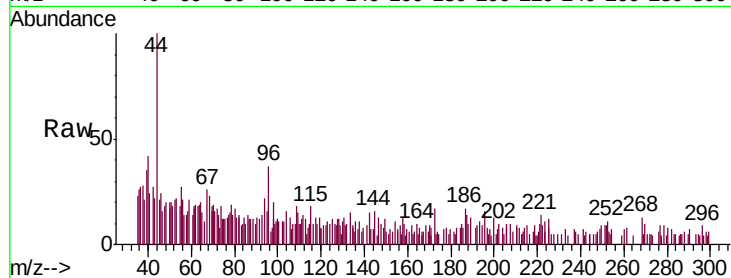
KY038PS037-191209

Tgt Ion: 56 Resp: 375

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 9.942 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013947.D

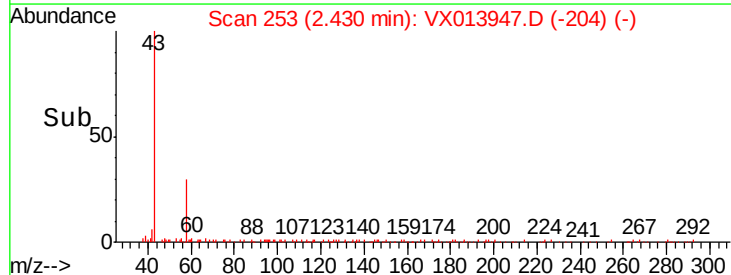
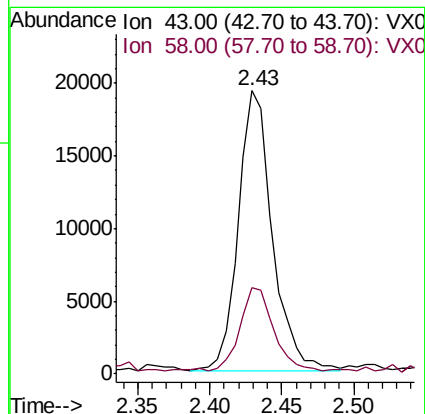
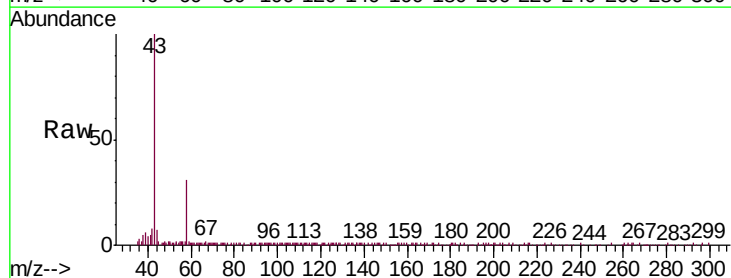
Acq: 11 Dec 2019 16:22

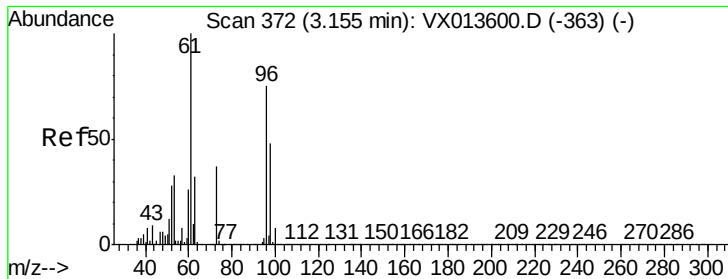
Tgt Ion: 43 Resp: 31553

Ion Ratio Lower Upper

43 100

58 29.3 24.6 36.8





#21

trans-1,2-Dichloroethene

Concen: 0.331 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

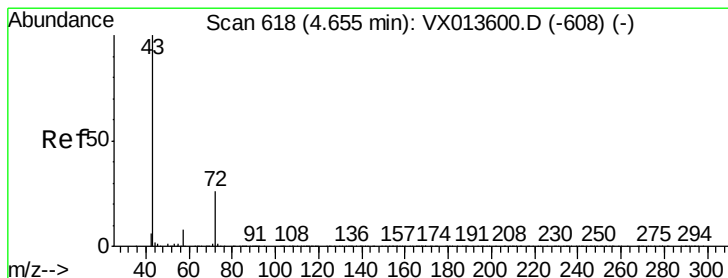
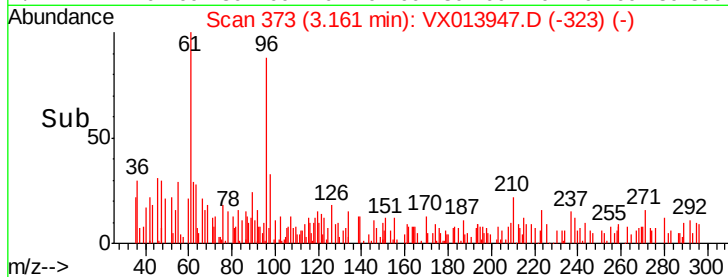
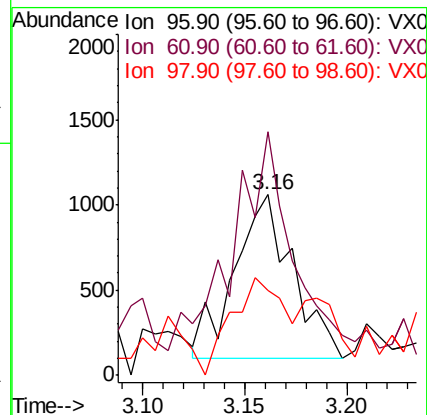
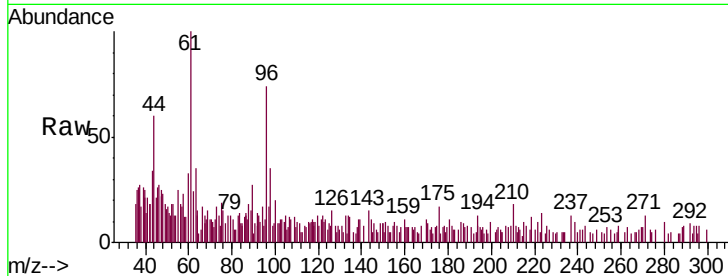
Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-191209

Tgt Ion:	96	Resp:	1903
Ion	Ratio	Lower	Upper
96	100		
61	126.1	107.2	160.8
98	38.9	51.4	77.0#



#25

2-Butanone

Concen: 3.147 ug/l

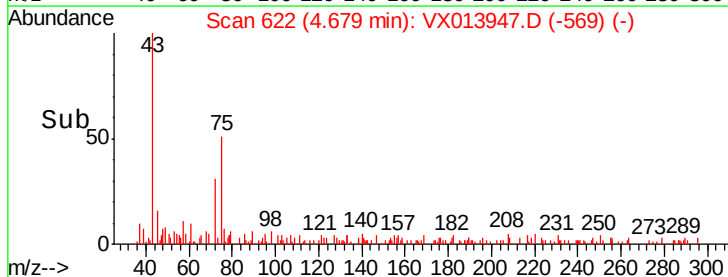
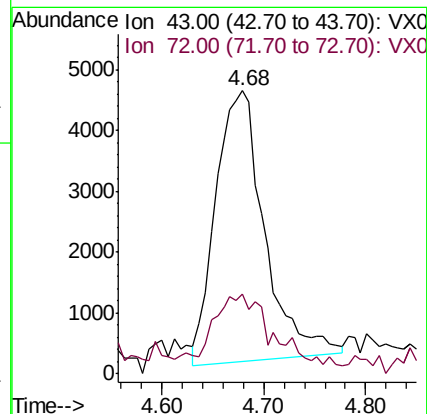
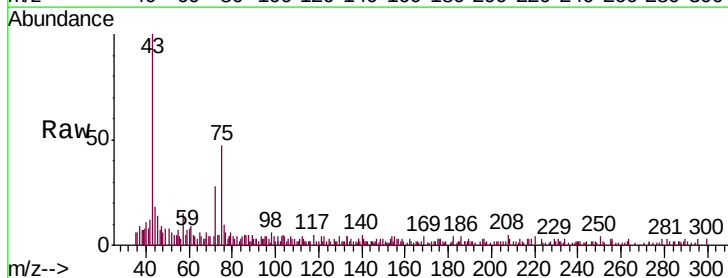
RT: 4.68 min Scan# 622

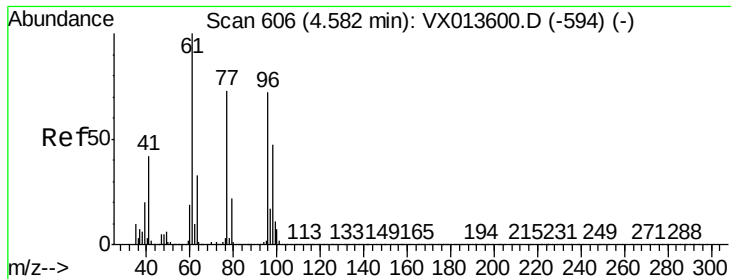
Delta R.T. 0.02 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

Tgt Ion:	43	Resp:	14845
Ion	Ratio	Lower	Upper
43	100		
72	28.3	20.6	31.0



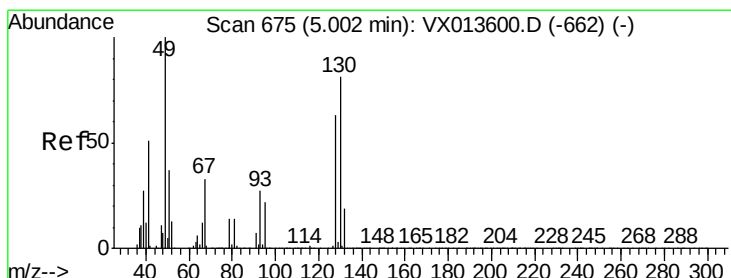
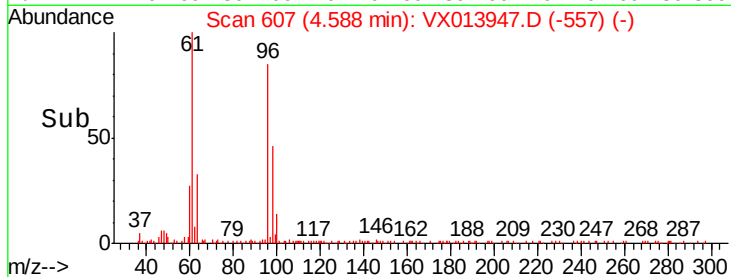
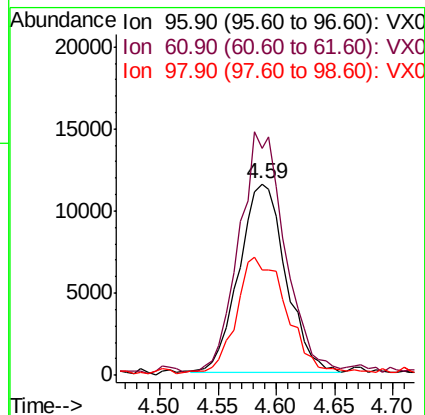
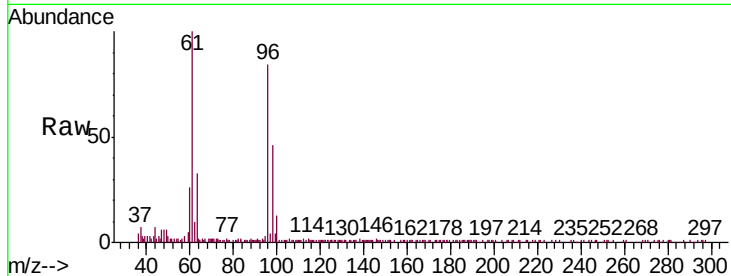


#27

cis-1,2-Dichloroethene
Concen: 4.848 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013947.D
Acq: 11 Dec 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-191209

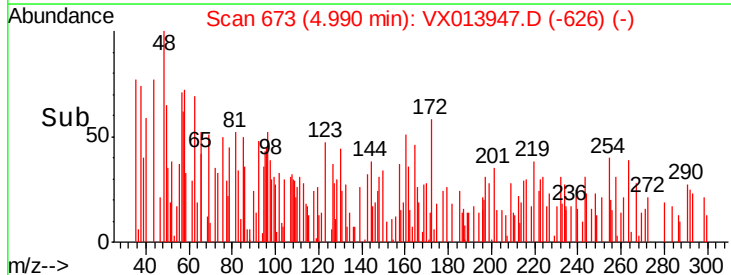
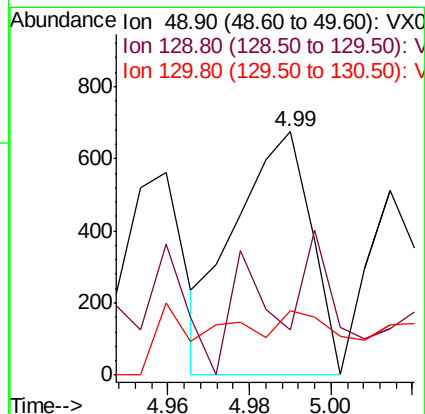
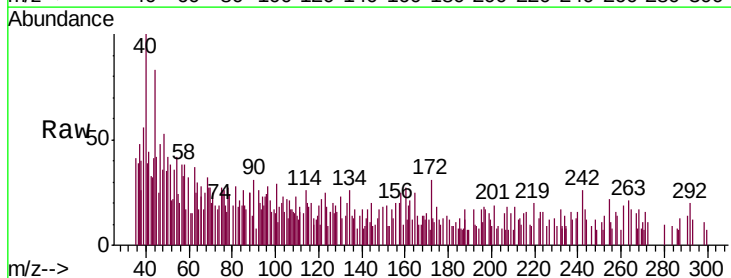
Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	286.4
98	67.6	0.0	127.4

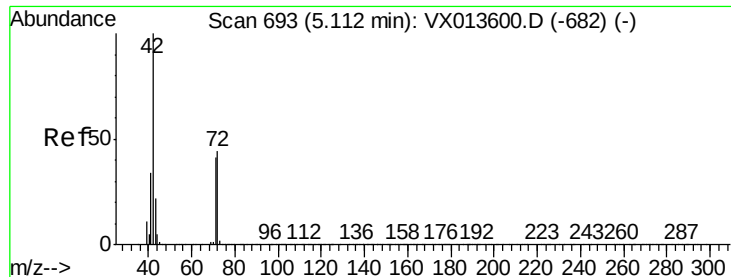


#28

Bromochloromethane
Concen: 0.208 ug/l
RT: 4.99 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX013947.D
Acq: 11 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	23.9	0.0	5.0#
130	6.7	65.4	98.0#





#29

Tetrahydrofuran

Concen: 2.835 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-191209

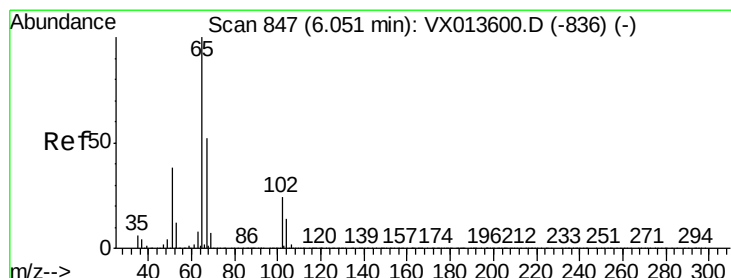
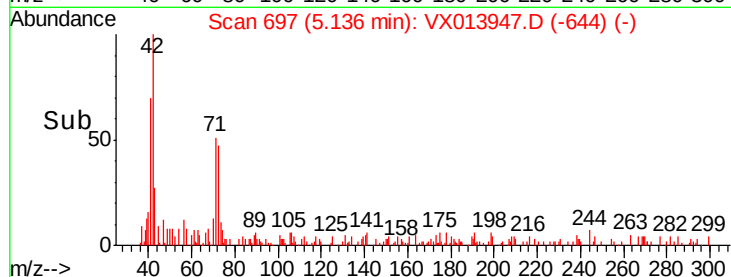
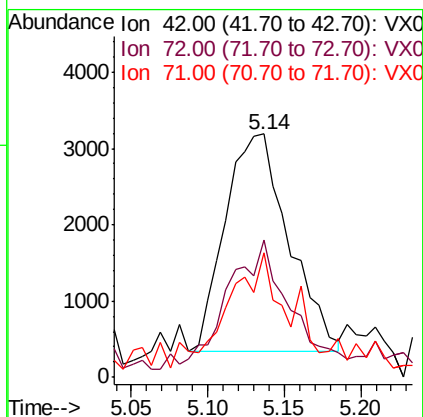
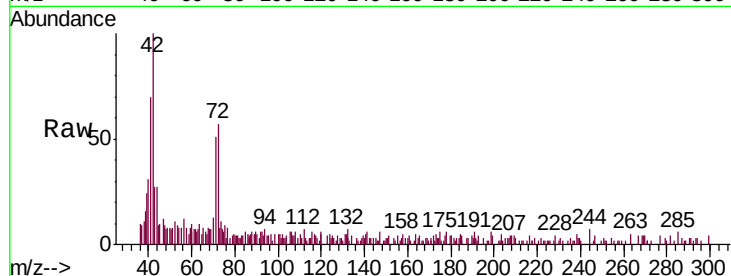
Tgt Ion: 42 Resp: 8243

Ion Ratio Lower Upper

42 100

72 60.2 36.3 54.5#

71 49.4 33.2 49.8



#33

1,2-Dichloroethane-d4

Concen: 48.909 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013947.D

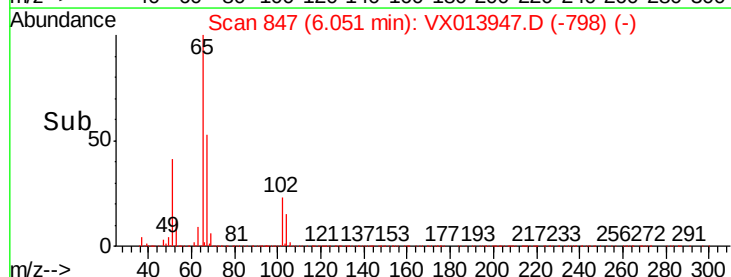
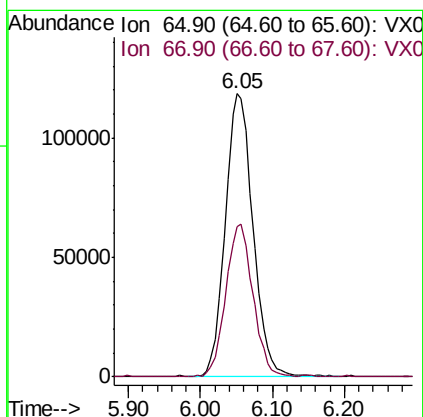
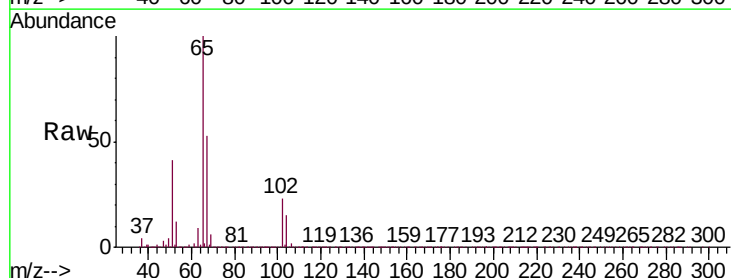
Acq: 11 Dec 2019 16:22

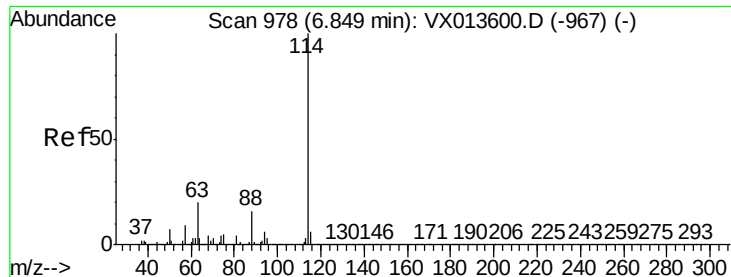
Tgt Ion: 65 Resp: 314414

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.4

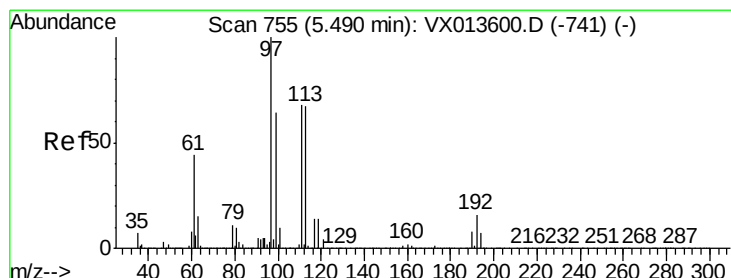
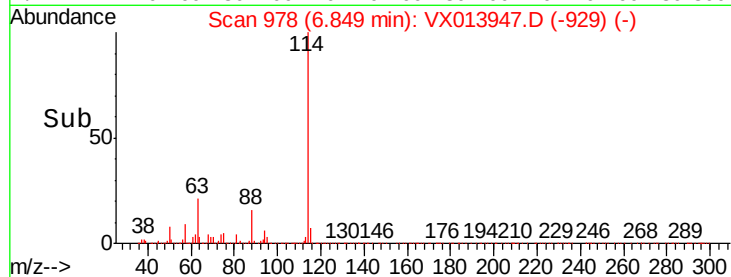
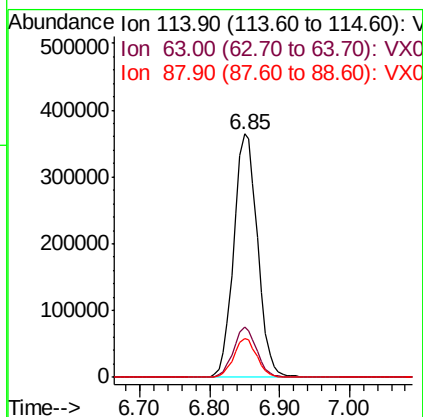
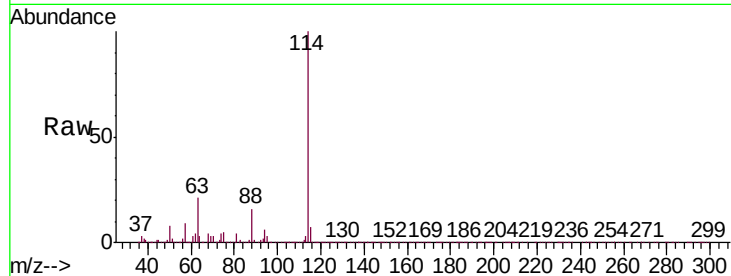




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013947.D
 Acq: 11 Dec 2019 16:22

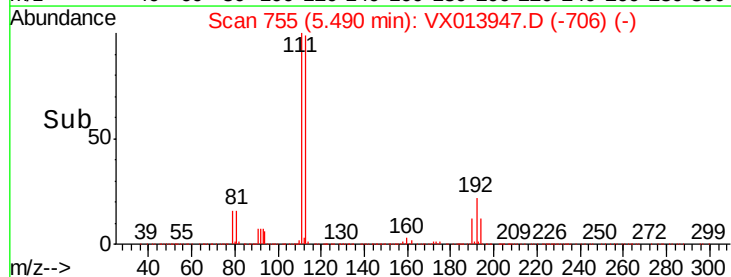
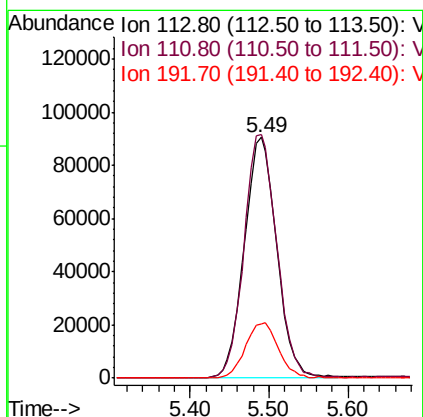
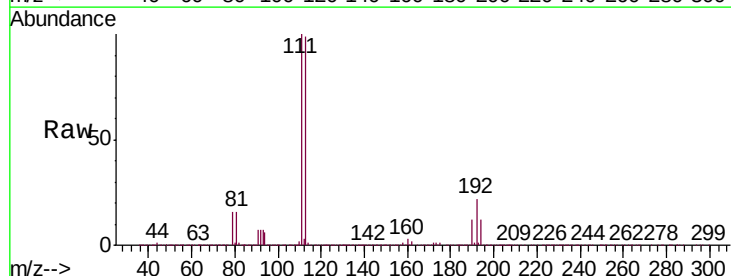
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS037-191209

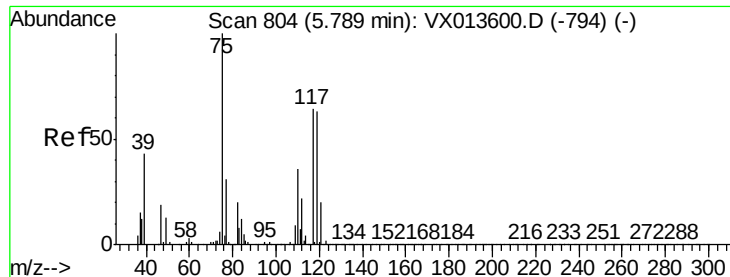
Tgt Ion:	114	Resp:	861996
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.6
88	15.9	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 48.534 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013947.D
 Acq: 11 Dec 2019 16:22

Tgt Ion:	113	Resp:	258635
Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.6	125.4
192	23.2	19.2	28.8





#36

1,1-Dichloropropene

Concen: 5.165 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-191209

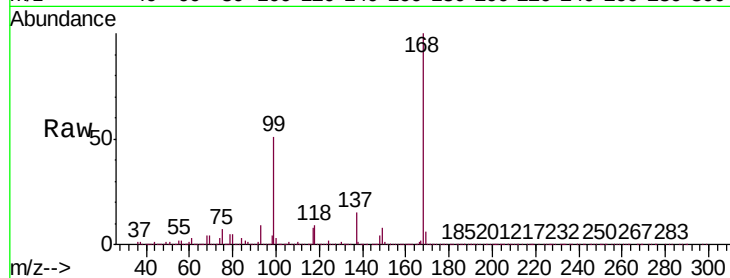
Tgt Ion: 75 Resp: 40414

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.1#

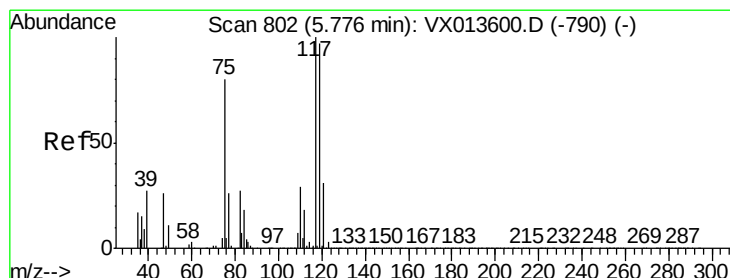
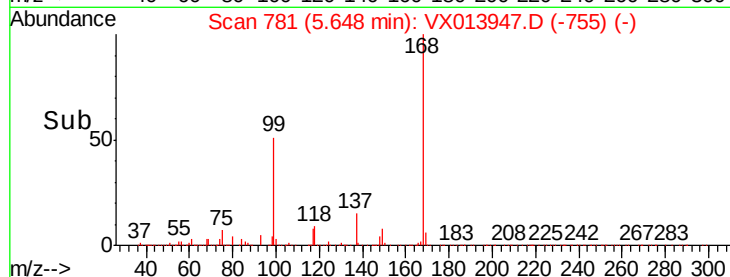
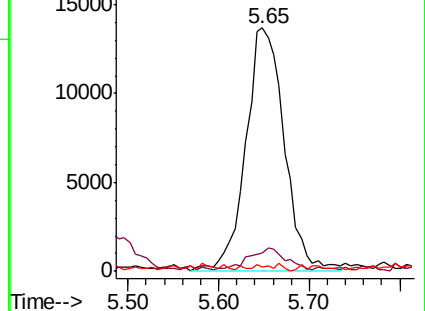
77 0.2 24.5 36.7#



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: 6.751 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

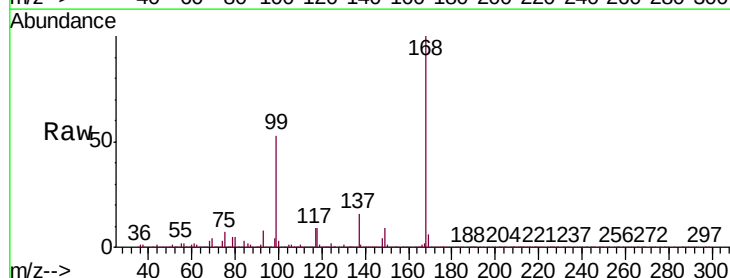
Tgt Ion: 117 Resp: 48706

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

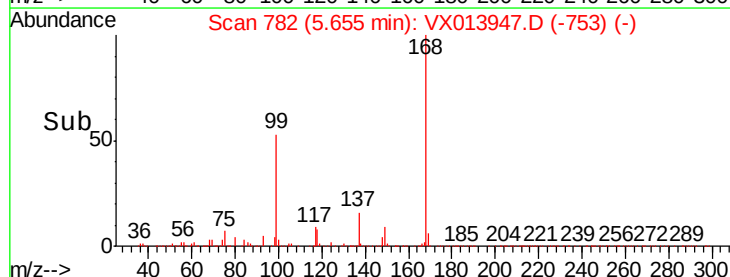
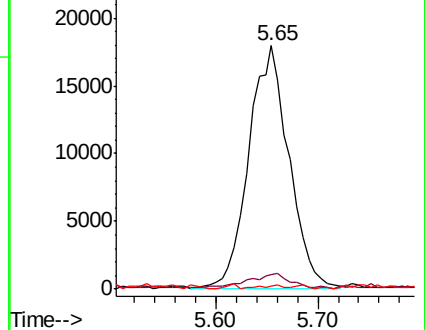
121 0.0 25.0 37.6#

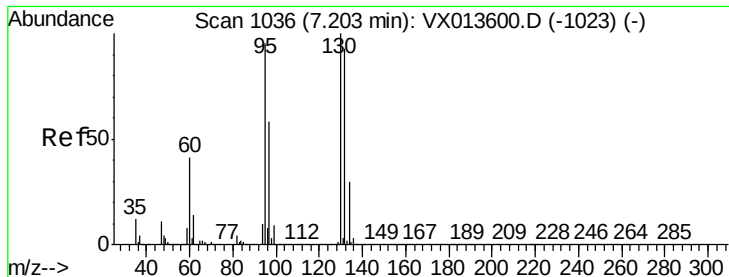


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.780 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

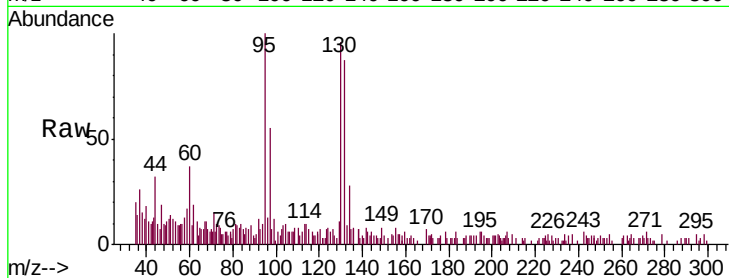
KY038PS037-191209

Tgt Ion:130 Resp: 5103

Ion Ratio Lower Upper

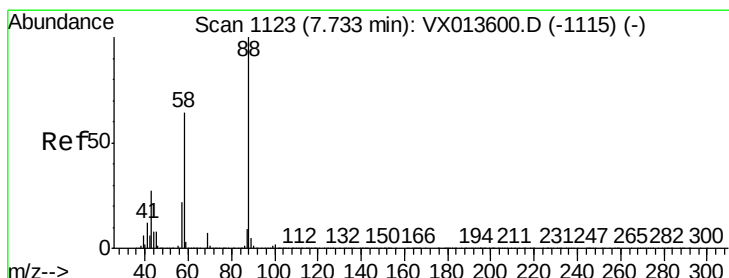
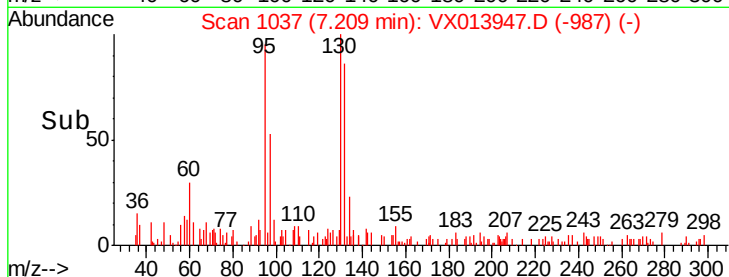
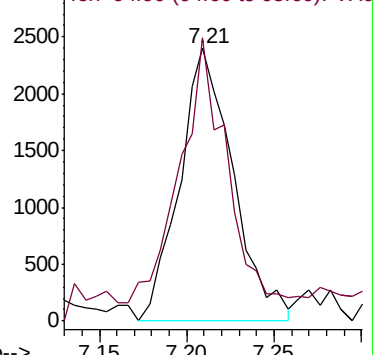
130 100

95 95.1 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: 5.357 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

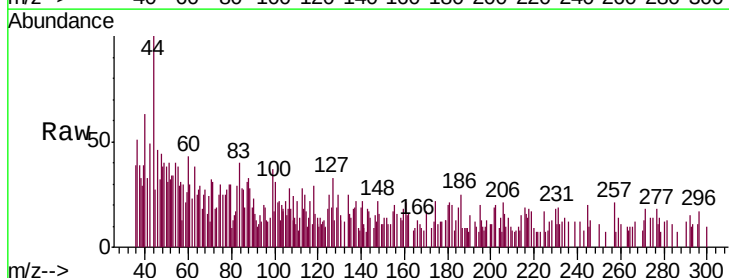
Tgt Ion: 88 Resp: 842

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

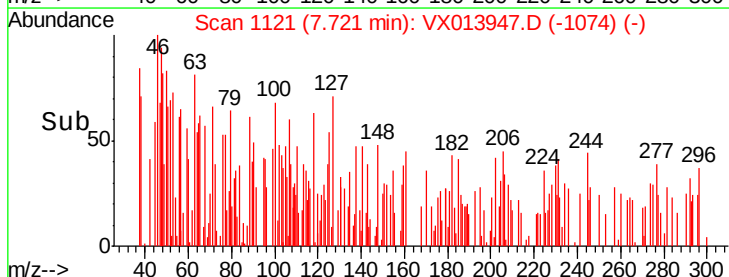
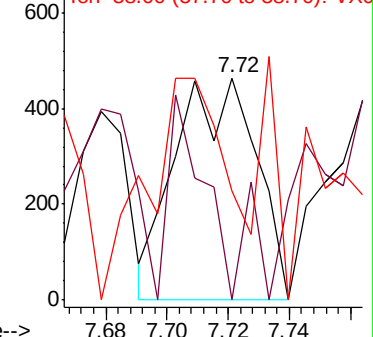
58 22.1 54.6 82.0#

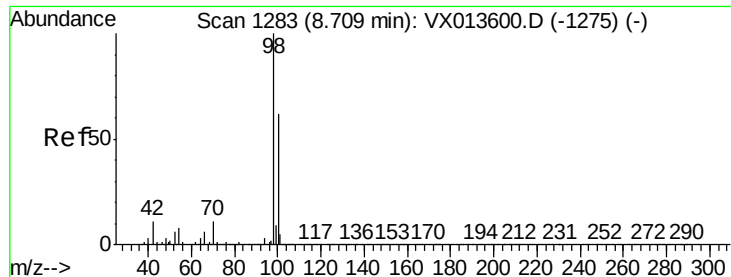


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

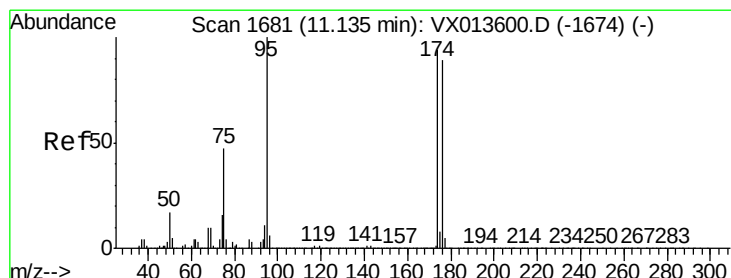
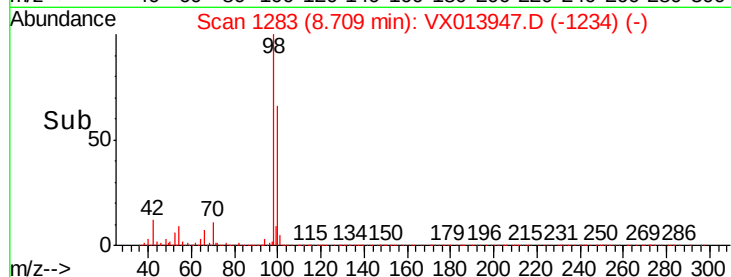
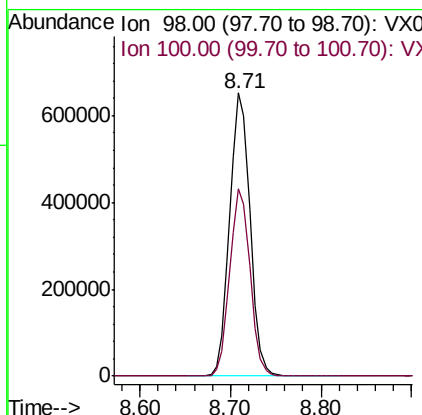
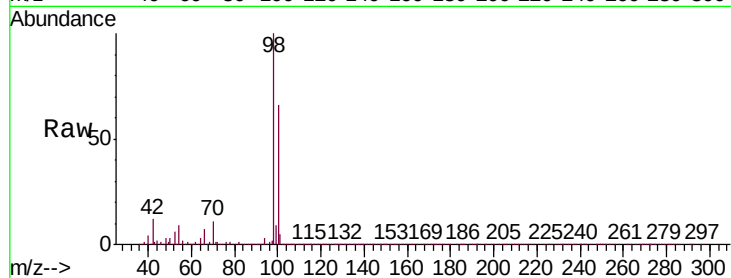




#50
Toluene-d8
Concen: 49.057 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013947.D
Acq: 11 Dec 2019 16:22

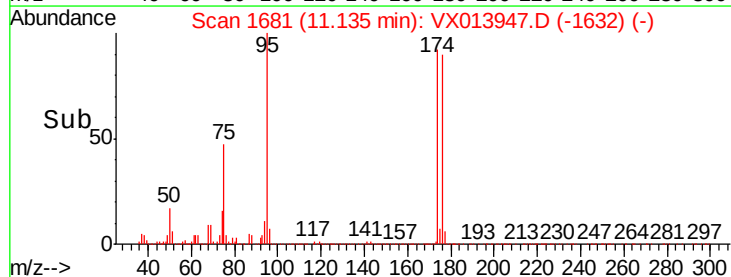
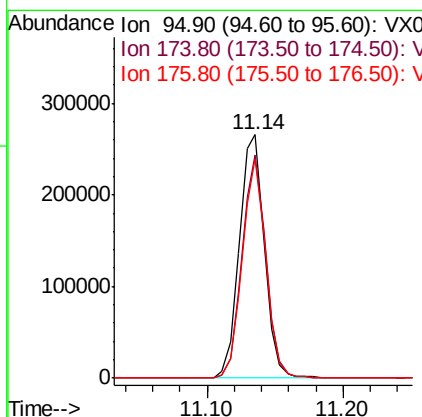
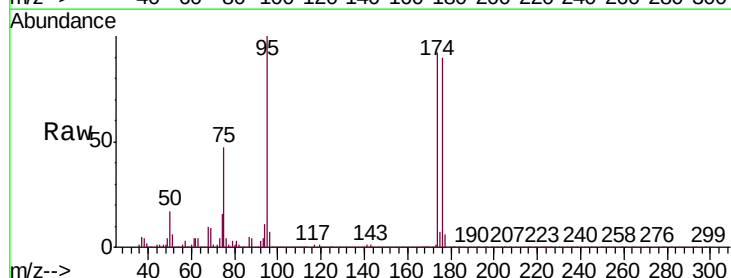
Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-191209

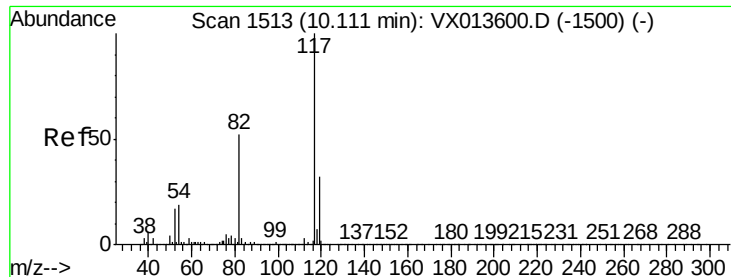
Tgt Ion: 98 Resp: 1018536
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 45.238 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013947.D
Acq: 11 Dec 2019 16:22

Tgt Ion: 95 Resp: 338693
Ion Ratio Lower Upper
95 100
174 88.0 0.0 180.0
176 85.4 0.0 173.6

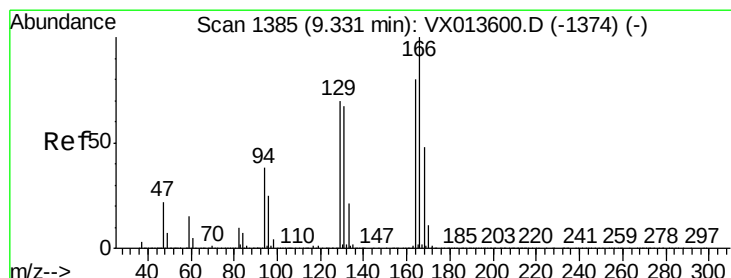
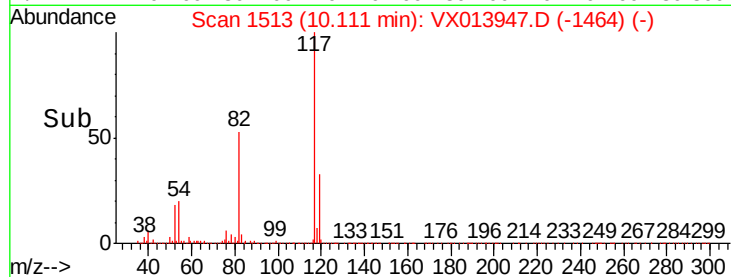
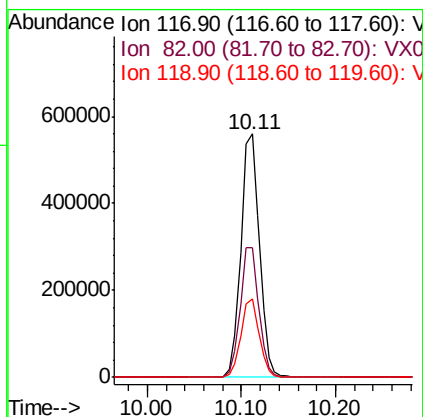
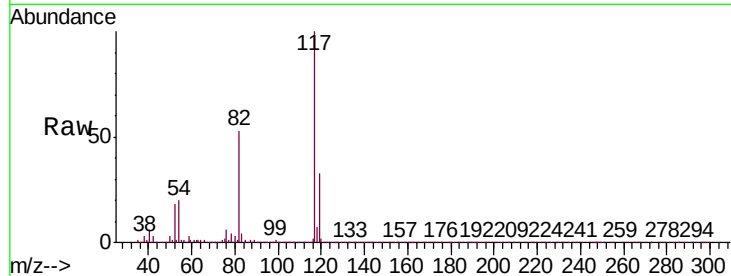




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013947.D
Acq: 11 Dec 2019 16:22

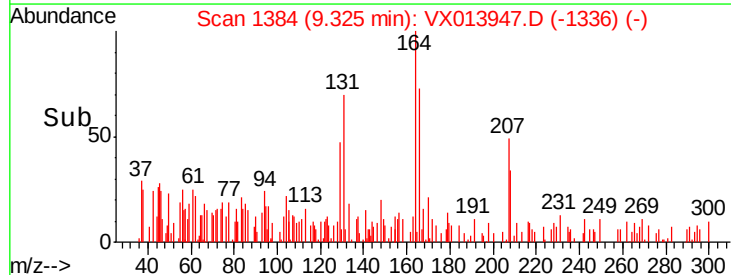
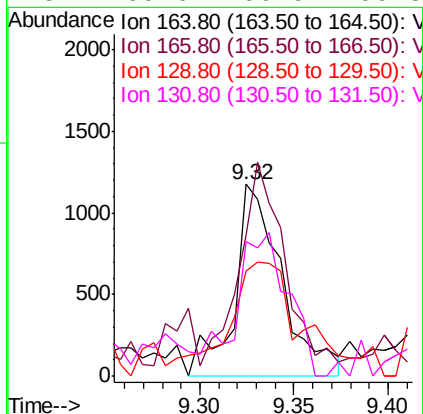
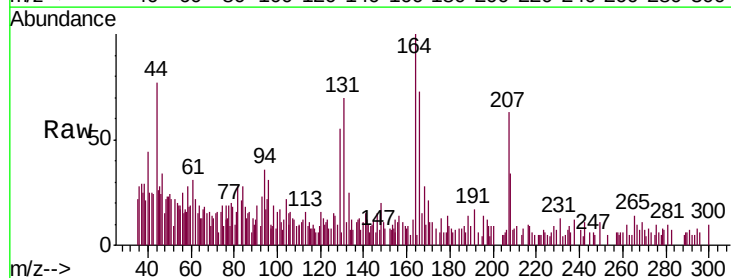
Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-191209

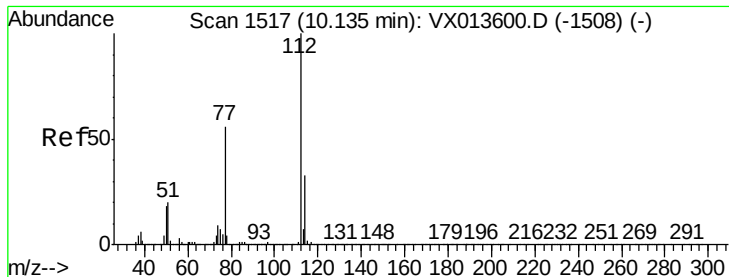
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.8	62.8
119	32.5	25.8	38.8



#64
Tetrachloroethene
Concen: 0.360 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VX013947.D
Acq: 11 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	72.8	99.7	149.5#
129	48.8	70.1	105.1#
131	69.6	66.9	100.3





#65

Chlorobenzene

Concen: 0.414 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

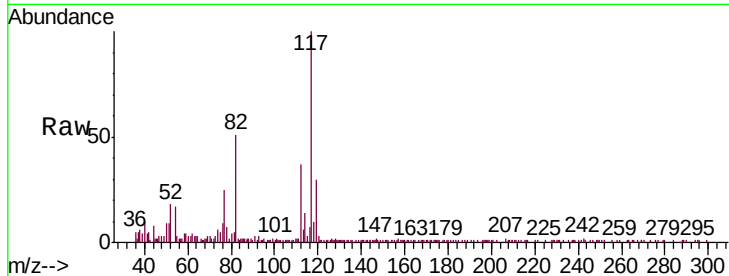
KY038PS037-191209

Tgt Ion:112 Resp: 6594

Ion Ratio Lower Upper

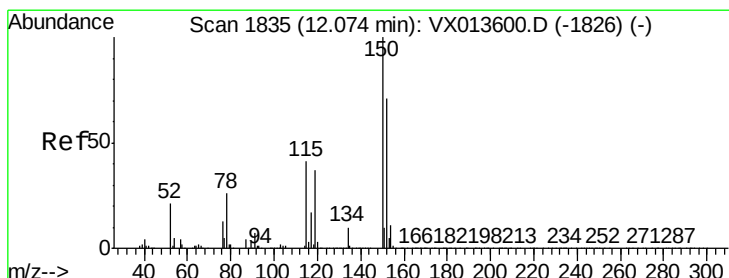
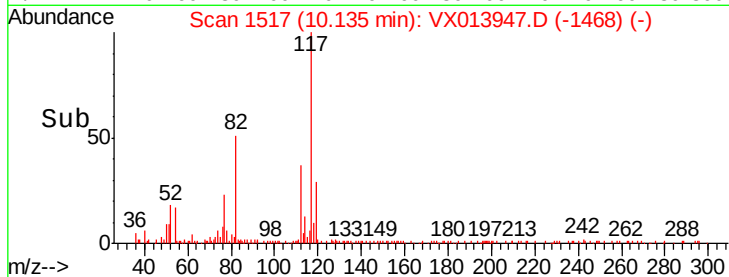
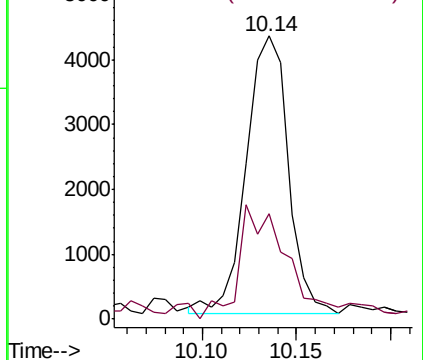
112 100

114 33.8 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

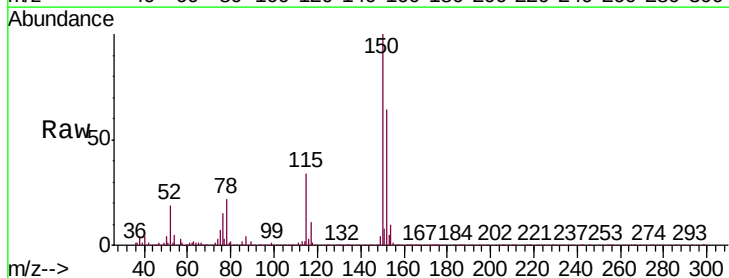
Tgt Ion:152 Resp: 328069

Ion Ratio Lower Upper

152 100

115 55.2 38.4 115.1

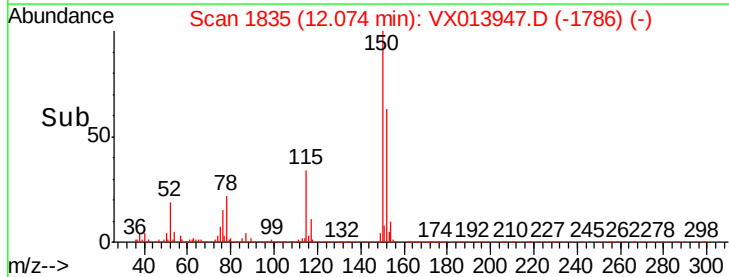
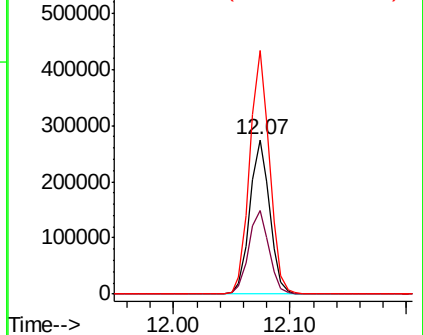
150 157.3 0.0 346.8

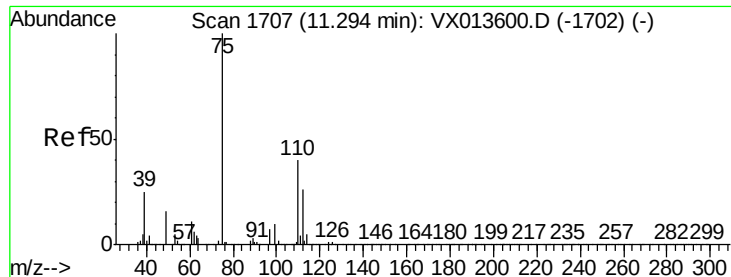


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.952 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

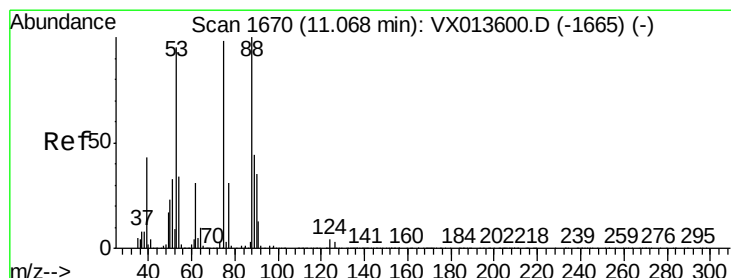
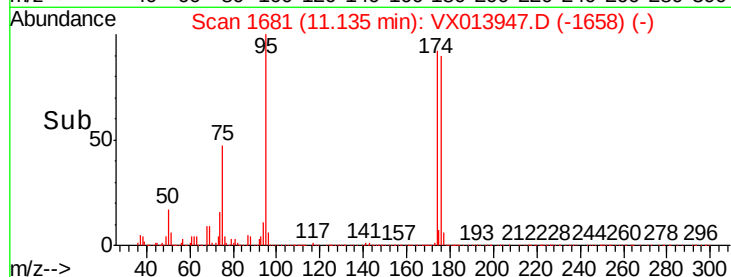
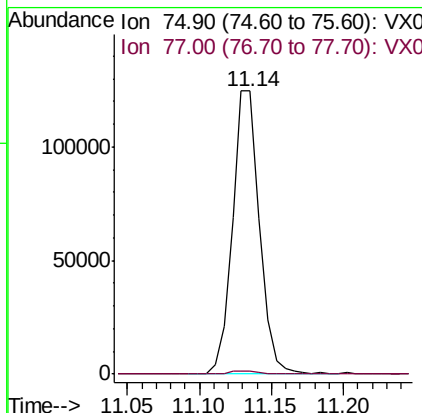
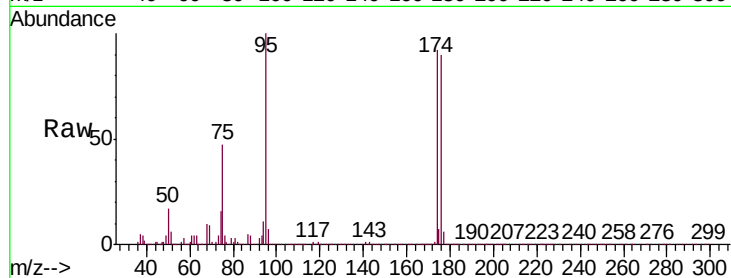
KY038PS037-191209

Tgt Ion: 75 Resp: 161977

Ion Ratio Lower Upper

75 100

77 1.6 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.055 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013947.D

Acq: 11 Dec 2019 16:22

Tgt Ion: 75 Resp: 161977

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.2#

89 0.1 35.4 53.2#

