

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011420\
 Data File : VX014604.D
 Acq On : 14 Jan 2020 13:42
 Operator : JC/SP
 Sample : L1116-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS038-200113

Quant Time: Jan 14 23:33:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	467478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	723242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	663129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	297085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	262662	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
35) Dibromofluoromethane	5.49	113	216679	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	8.71	98	859038	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.13	95	288071	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	

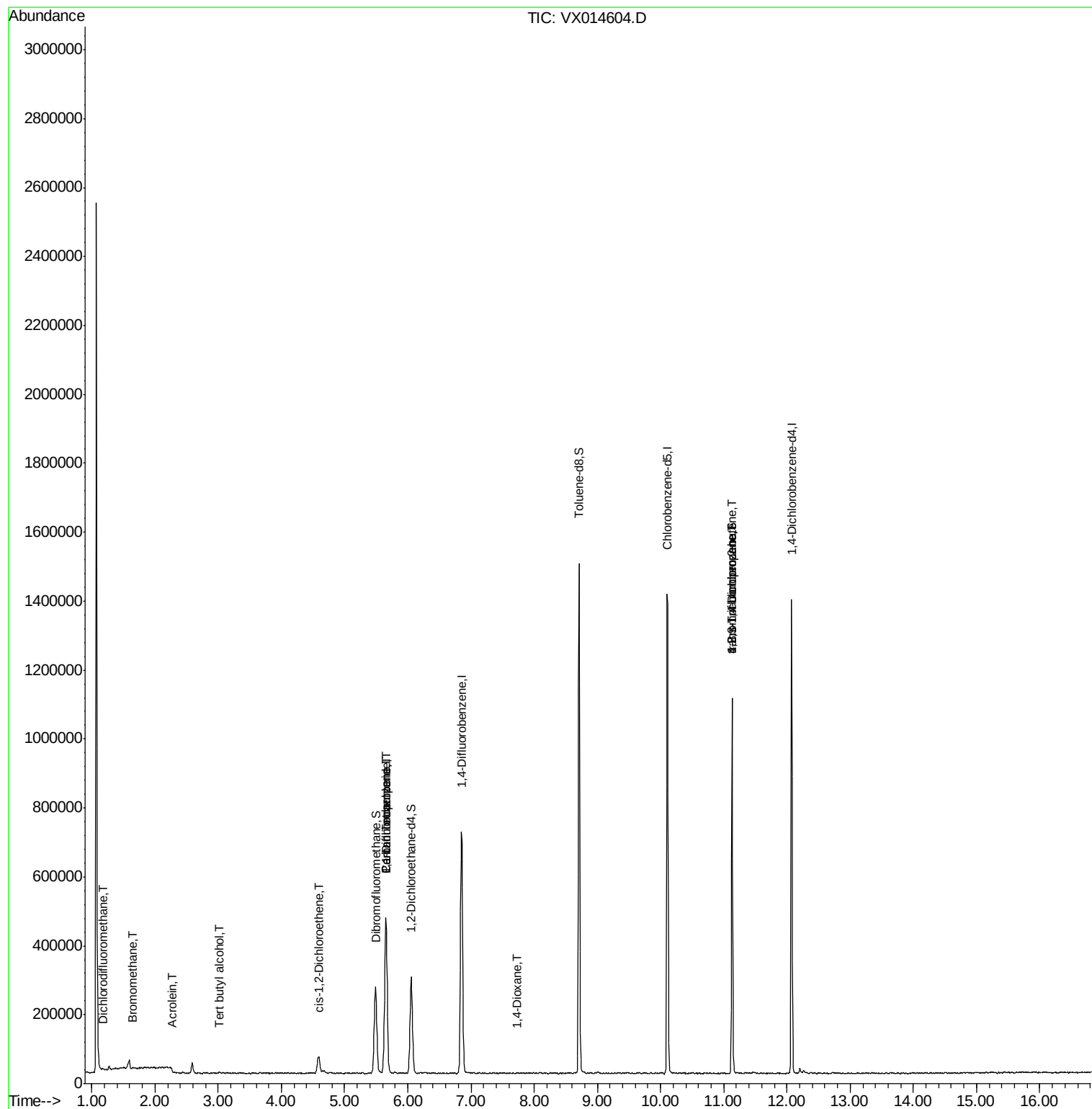
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	443	0.328	ug/l #	64
5) Bromomethane	1.64	94	2166	0.492	ug/l #	53
6) Chloroethane	1.76	64	2319	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	2094	1.922	ug/l #	87
13) Acrolein	2.28	56	210	0.240	ug/l #	15
16) Acetone	2.44	43	2210	Below Cal	#	66
27) cis-1,2-Dichloroethene	4.58	96	33795	5.998	ug/l	91
36) 1,1-Dichloropropene	5.65	75	32285	4.747	ug/l #	52
38) Carbon Tetrachloride	5.65	117	41786	6.676	ug/l #	18
49) 1,4-Dioxane	7.73	88	444	3.666	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	142444	23.174	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	142444	61.267	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	780	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.64	180	524	Below Cal	#	87
96) 1,2,3-Trichlorobenzene	14.02	180	336	Below Cal	#	7

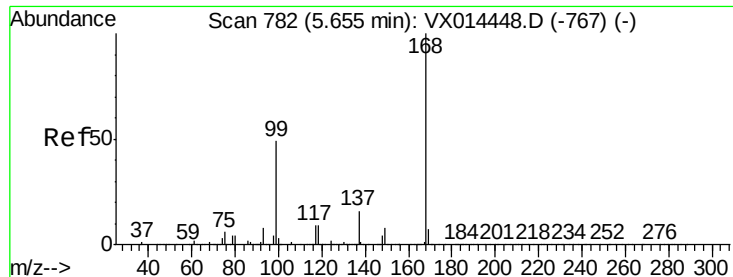
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011420\
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Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

Instrument :

MSVOA_X

ClientSampleId :

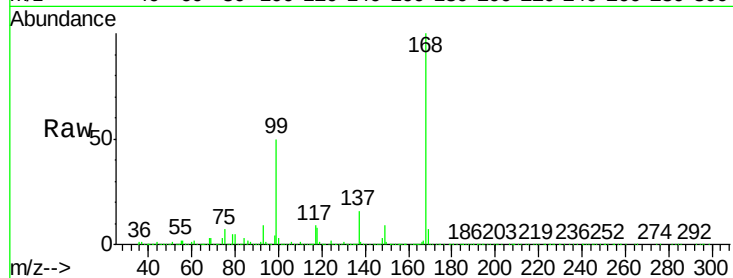
KY038PS038-200113

Tgt Ion:168 Resp: 467478

Ion Ratio Lower Upper

168 100

99 49.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

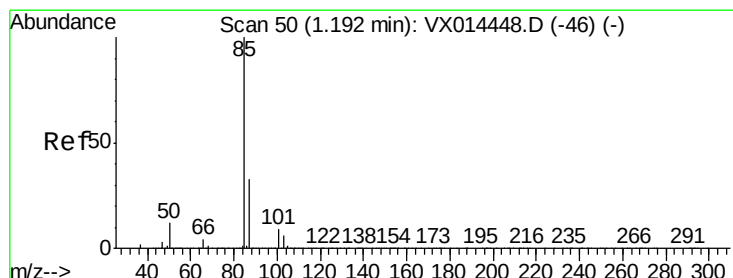
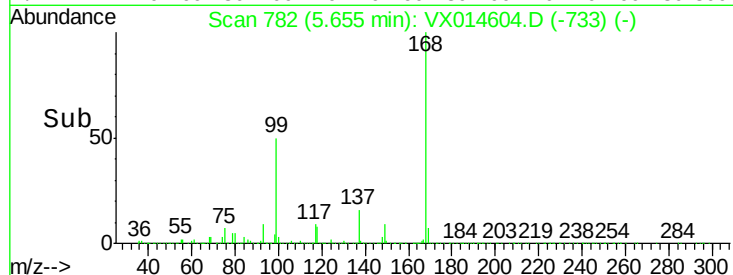
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.328 ug/l

RT: 1.18 min Scan# 48

Delta R.T. -0.01 min

Lab File: VX014604.D

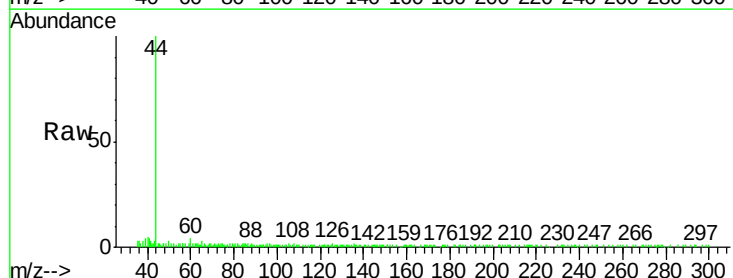
Acq: 14 Jan 2020 13:42

Tgt Ion: 85 Resp: 443

Ion Ratio Lower Upper

85 100

87 53.5 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400

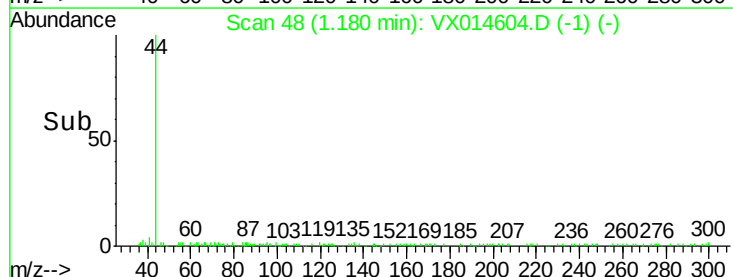
300

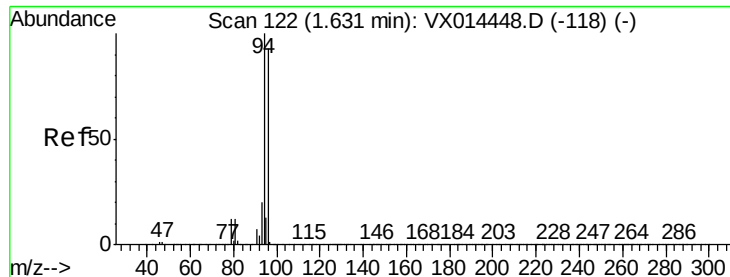
200

100

0

Time-->





#5

Bromomethane

Concen: 0.492 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

Instrument :

MSVOA_X

ClientSampleId :

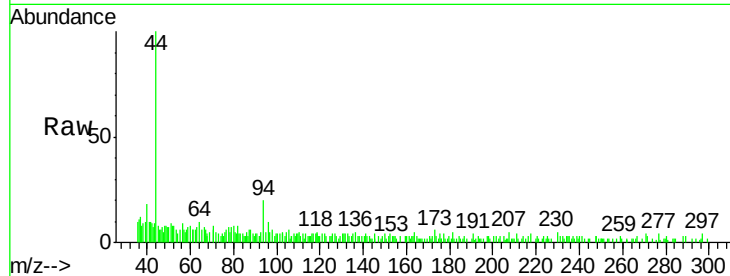
KY038PS038-200113

Tgt Ion: 94 Resp: 2166

Ion Ratio Lower Upper

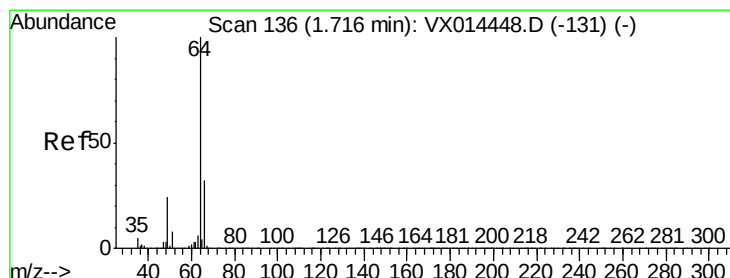
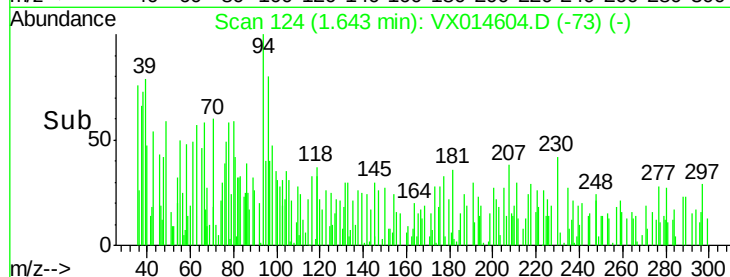
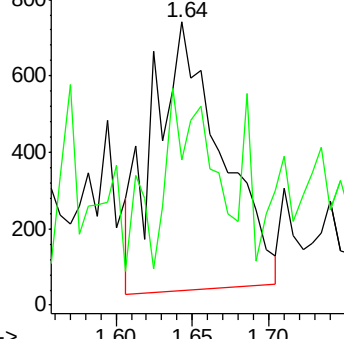
94 100

96 47.7 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.76 min Scan# 143

Delta R.T. 0.04 min

Lab File: VX014604.D

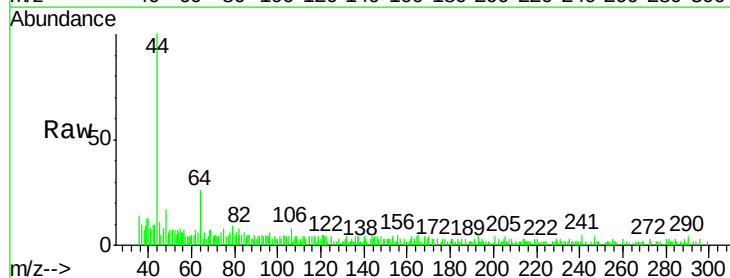
Acq: 14 Jan 2020 13:42

Tgt Ion: 64 Resp: 2319

Ion Ratio Lower Upper

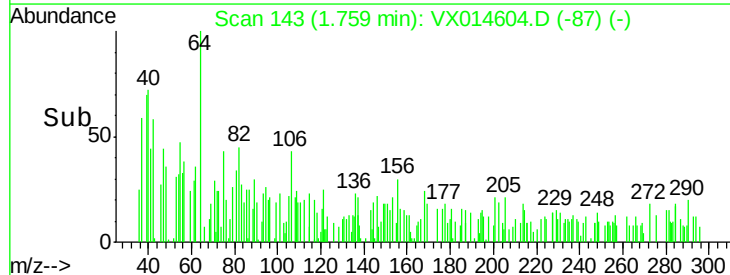
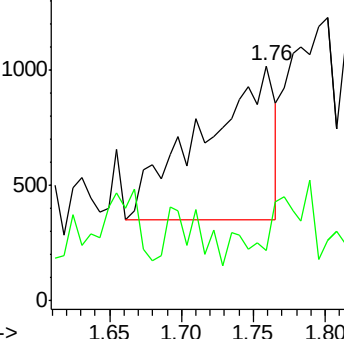
64 100

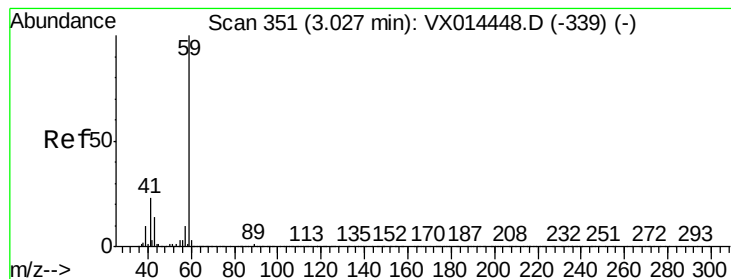
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 1.922 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

Instrument :

MSVOA_X

ClientSampleId :

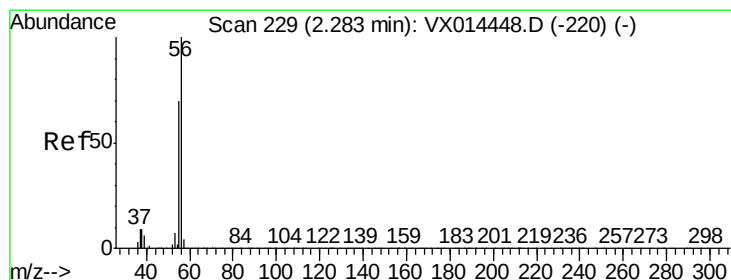
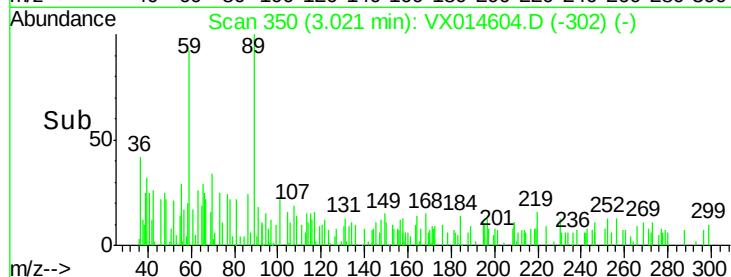
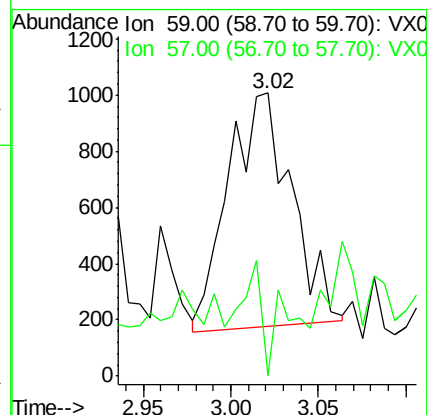
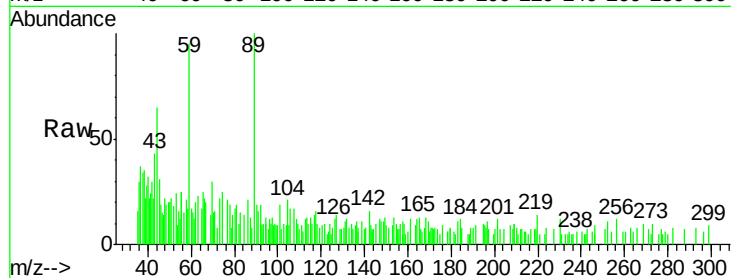
KY038PS038-200113

Tgt Ion: 59 Resp: 2094

Ion Ratio Lower Upper

59 100

57 15.5 8.5 12.7#



#13

Acrolein

Concen: 0.240 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014604.D

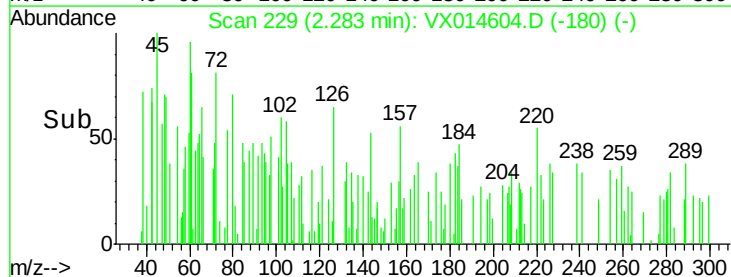
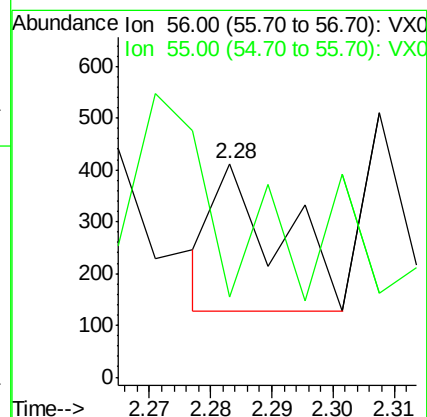
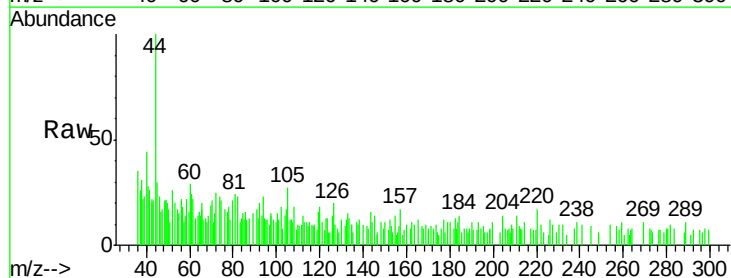
Acq: 14 Jan 2020 13:42

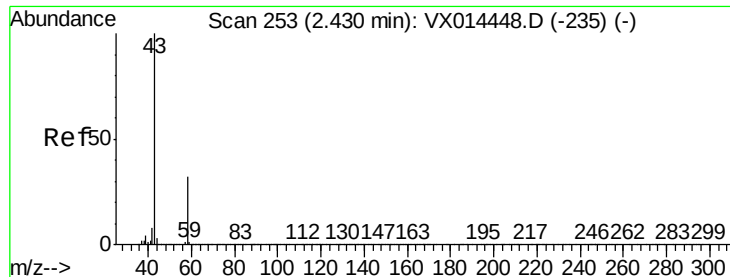
Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

Instrument :

MSVOA_X

ClientSampleId :

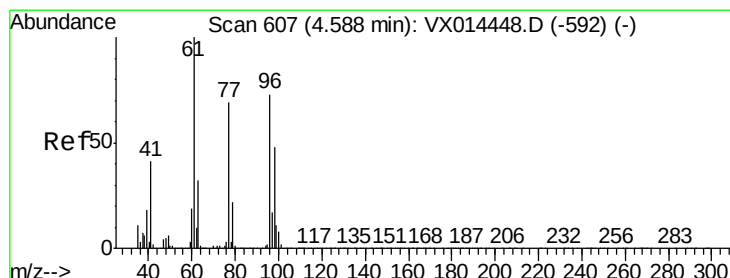
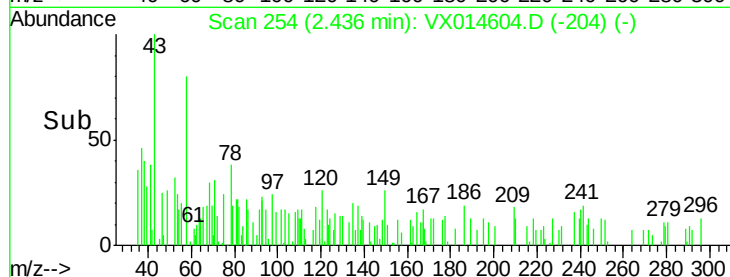
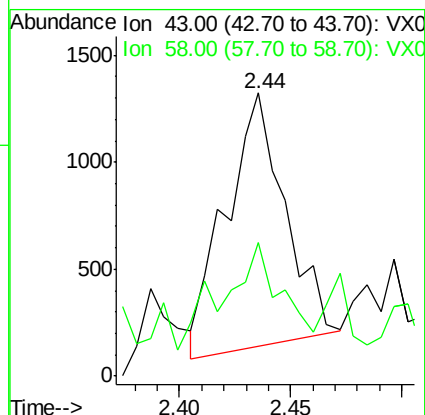
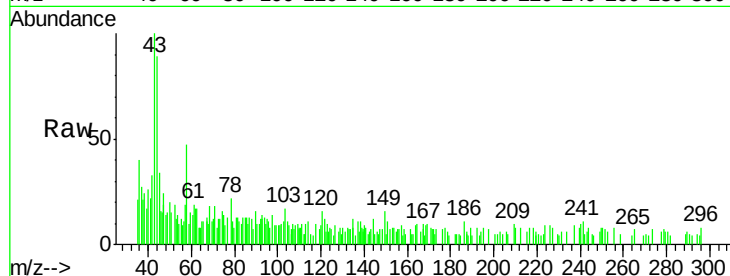
KY038PS038-200113

Tgt Ion: 43 Resp: 2210

Ion Ratio Lower Upper

43 100

58 12.9 25.4 38.0#



#27

cis-1,2-Dichloroethene

Concen: 5.998 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

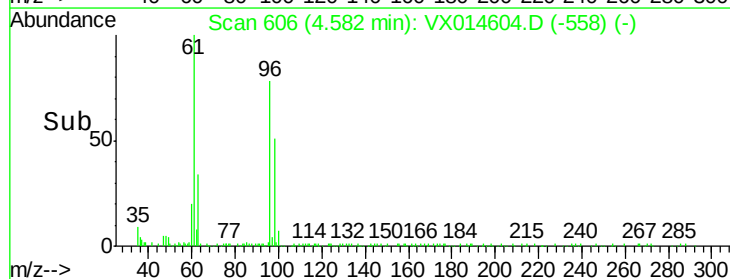
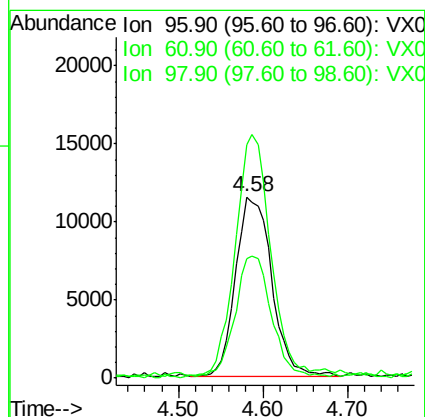
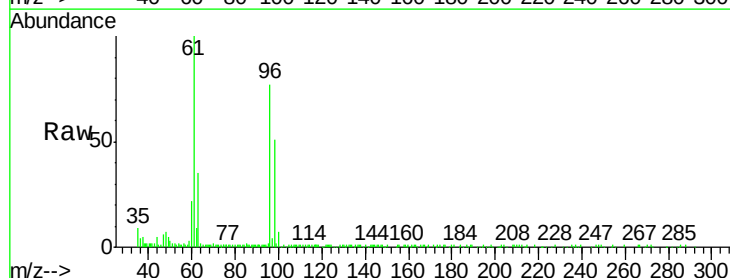
Tgt Ion: 96 Resp: 33795

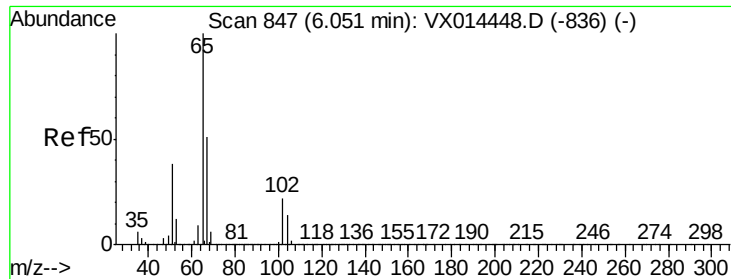
Ion Ratio Lower Upper

96 100

61 129.3 0.0 285.4

98 69.2 0.0 130.6

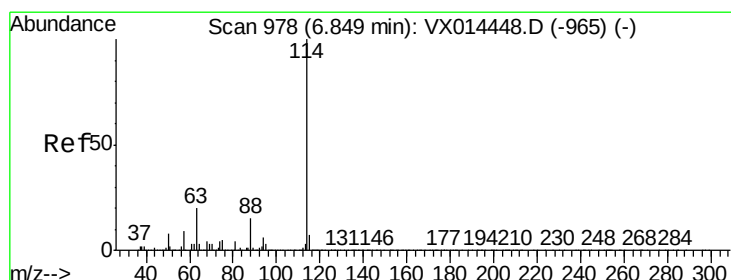
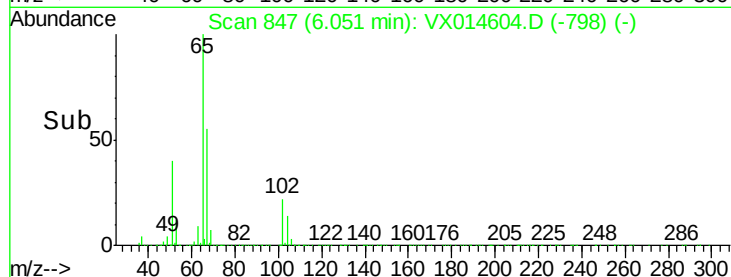
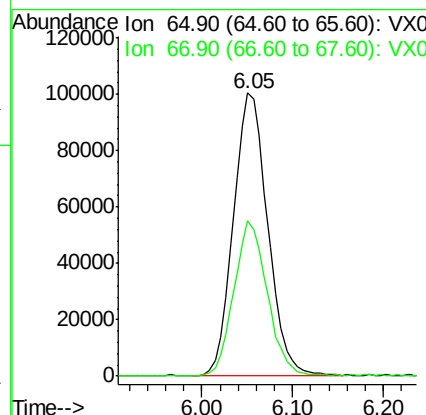
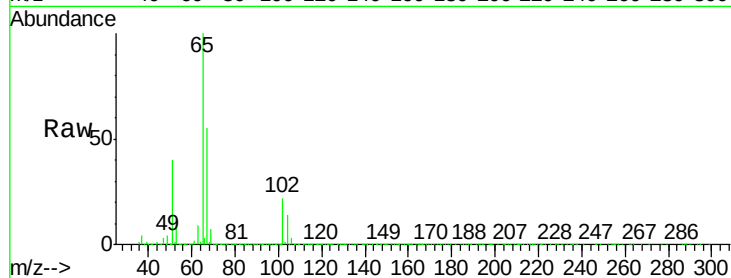




#33
 1,2-Dichloroethane-d4
 Concen: 50.332 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014604.D
 Acq: 14 Jan 2020 13:42

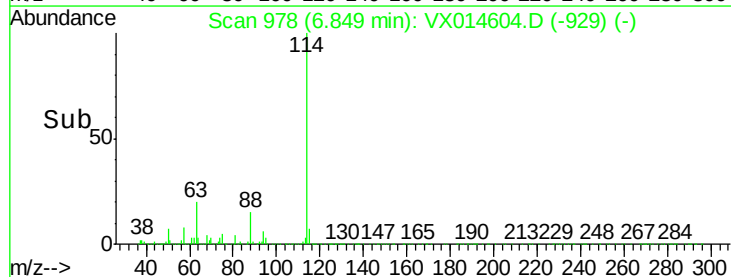
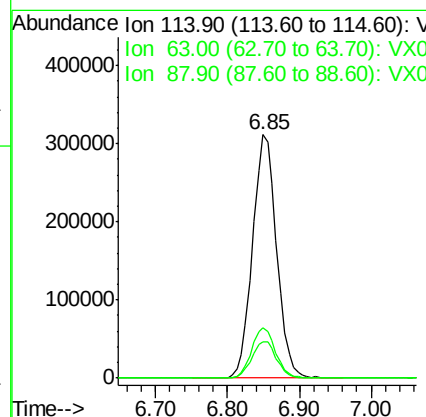
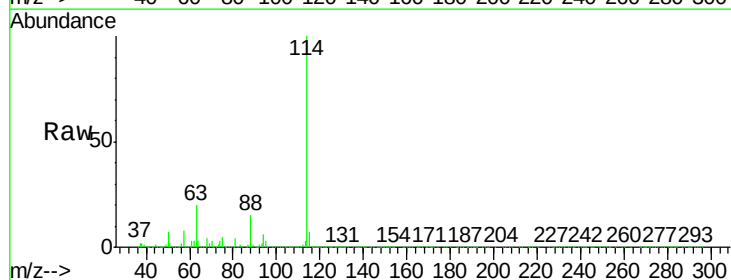
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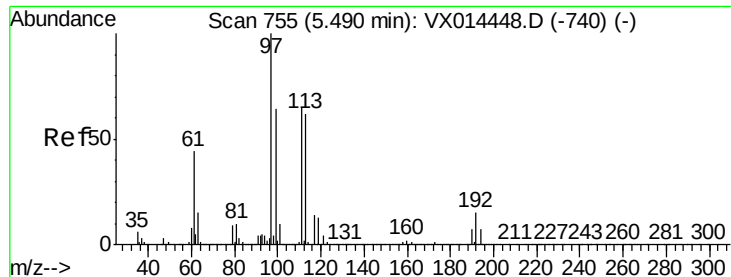
Tgt Ion: 65 Resp: 262662
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014604.D
 Acq: 14 Jan 2020 13:42

Tgt Ion: 114 Resp: 723242
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.6
 88 15.0 0.0 30.8

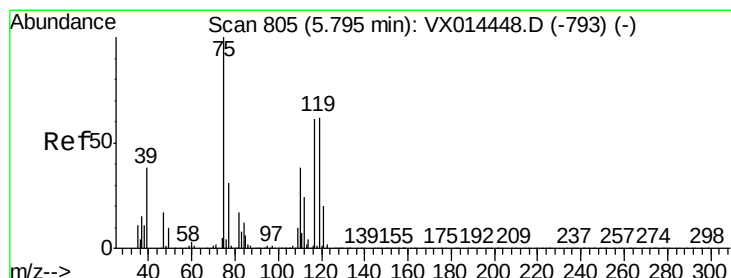
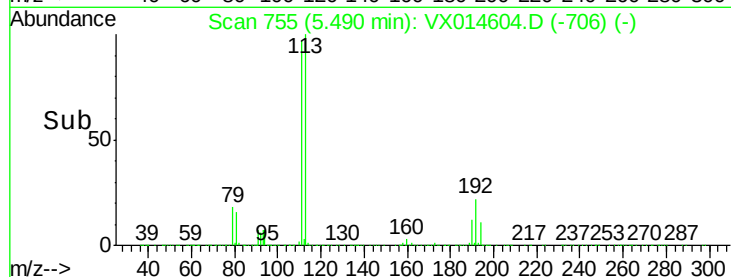
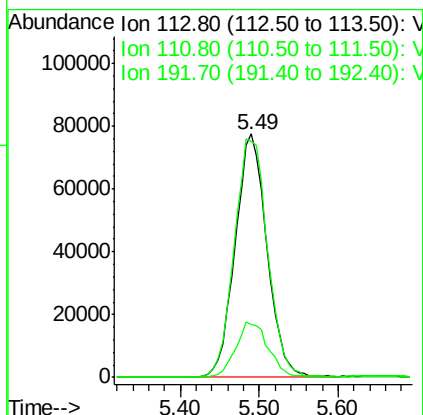
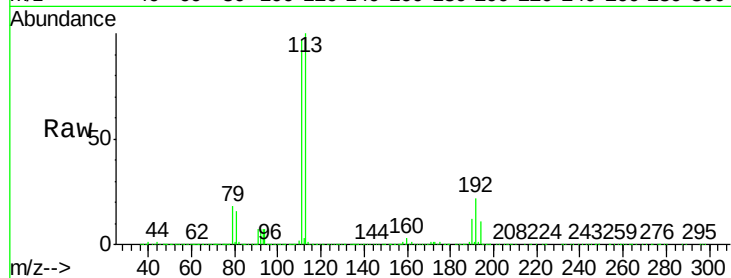




#35
Dibromofluoromethane
Concen: 49.492 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX014604.D
Acq: 14 Jan 2020 13:42

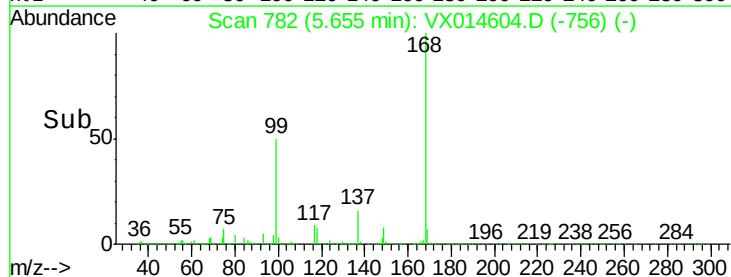
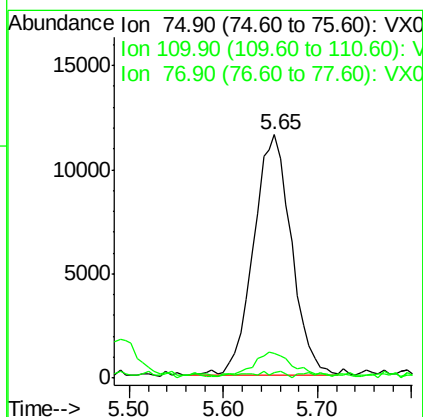
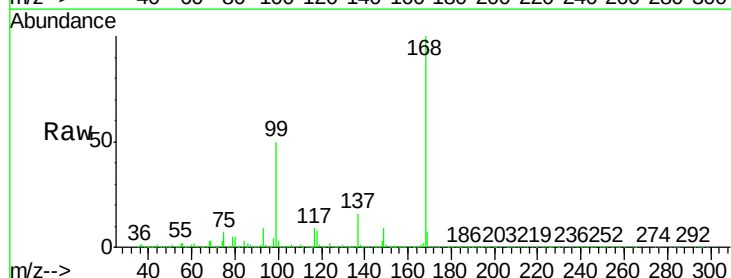
Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-200113

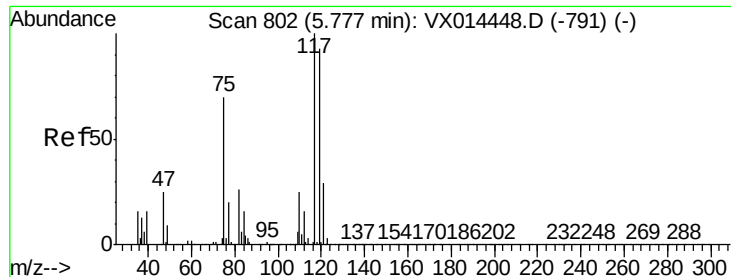
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.5	122.3
192	23.5	19.2	28.8



#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.14 min
Lab File: VX014604.D
Acq: 14 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.6	55.8#
77	0.9	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.676 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

Instrument :

MSVOA_X

ClientSampleId :

KY038PS038-200113

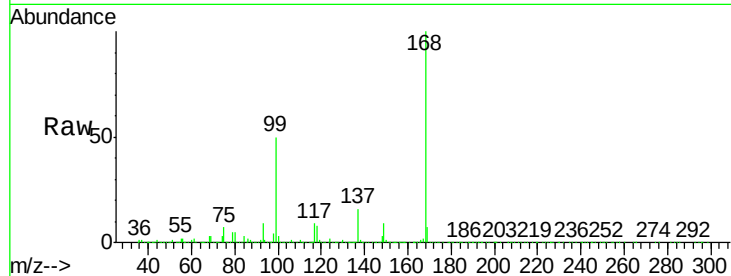
Tgt Ion:117 Resp: 41786

Ion Ratio Lower Upper

117 100

119 4.9 73.8 110.8#

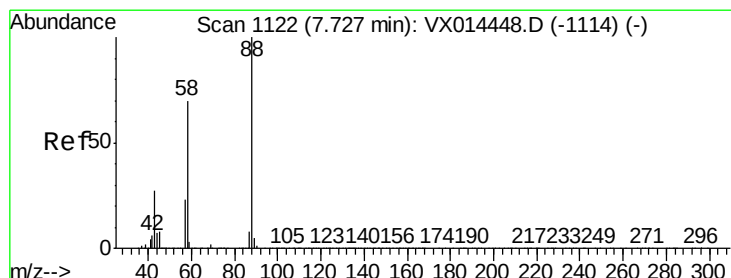
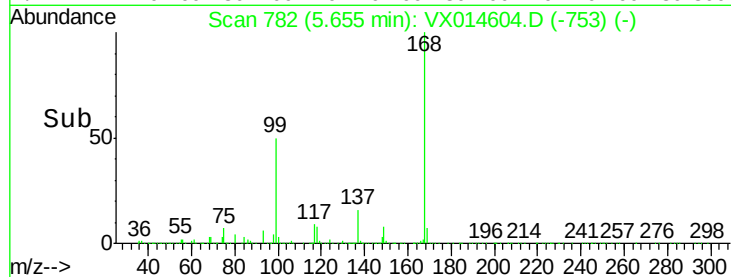
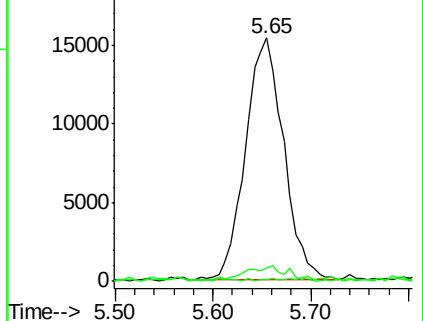
121 0.6 23.4 35.0#



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: 3.666 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

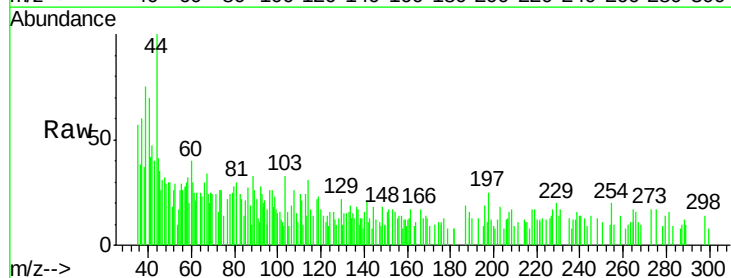
Tgt Ion: 88 Resp: 444

Ion Ratio Lower Upper

88 100

43 197.5 27.4 41.0#

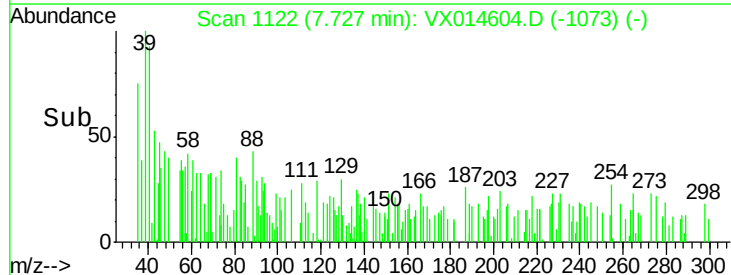
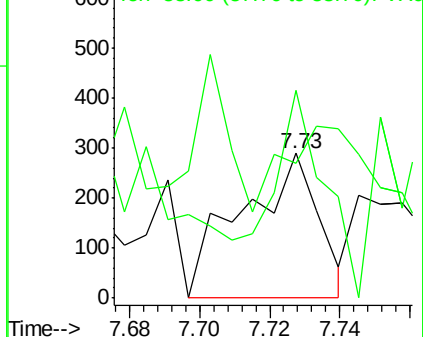
58 98.9 57.1 85.7#

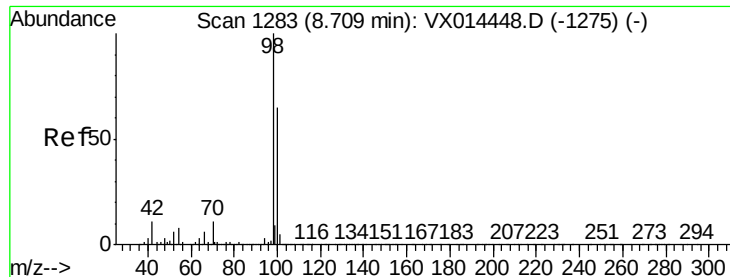


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.562 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

Instrument :

MSVOA_X

ClientSampleId :

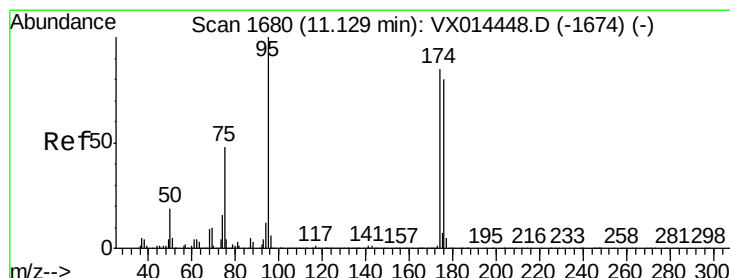
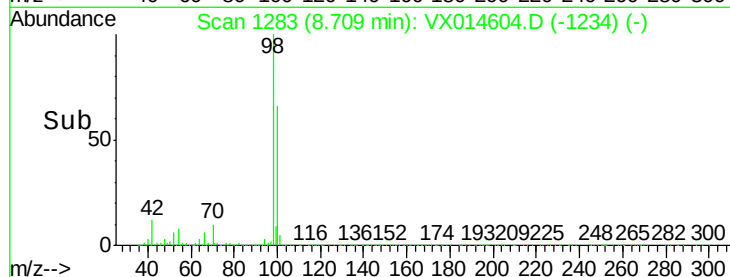
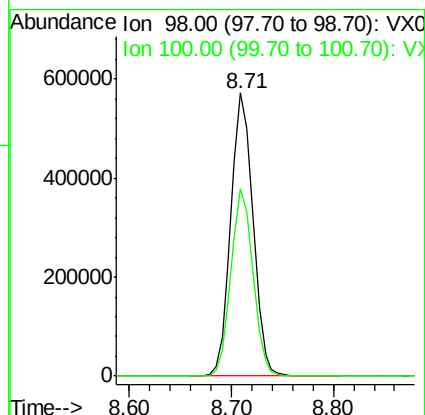
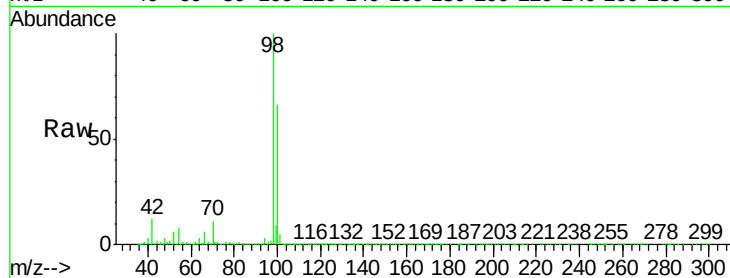
KY038PS038-200113

Tgt Ion: 98 Resp: 859038

Ion Ratio Lower Upper

98 100

100 65.5 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 46.186 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

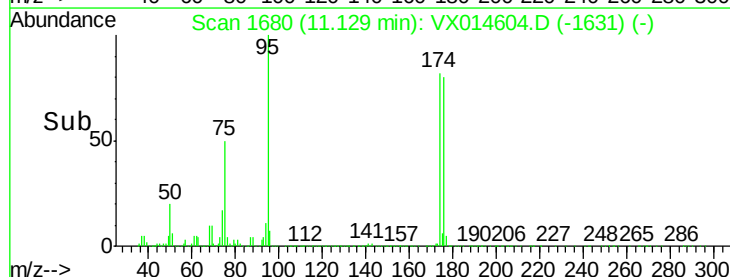
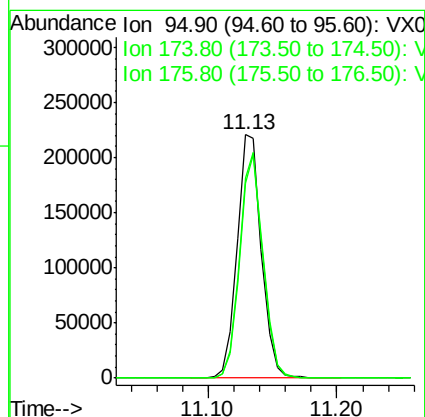
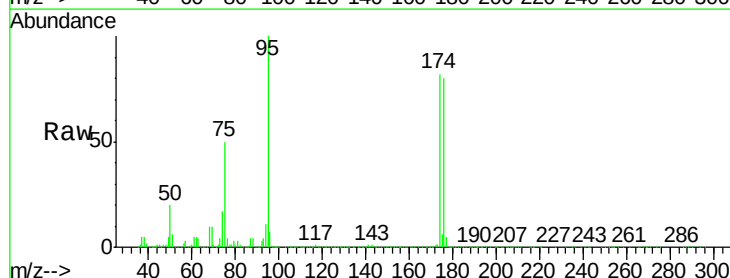
Tgt Ion: 95 Resp: 288071

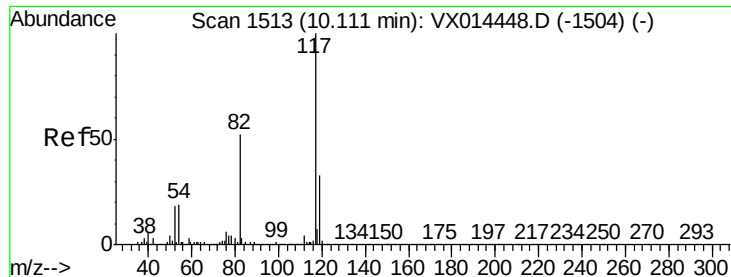
Ion Ratio Lower Upper

95 100

174 90.2 0.0 180.8

176 87.2 0.0 172.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

Instrument :

MSVOA_X

ClientSampleId :

KY038PS038-200113

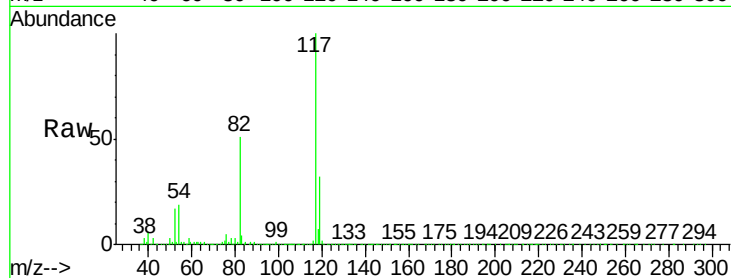
Tgt Ion:117 Resp: 663129

Ion Ratio Lower Upper

117 100

82 50.9 41.8 62.6

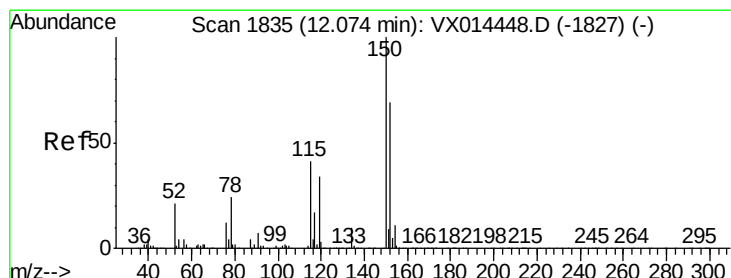
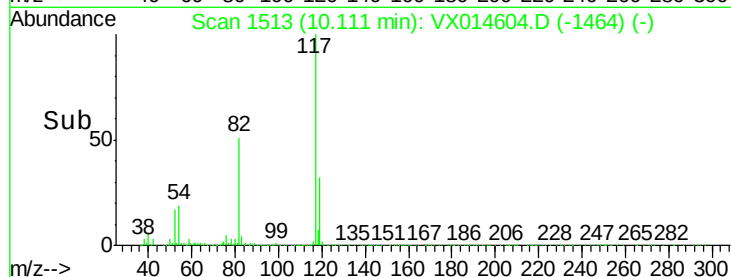
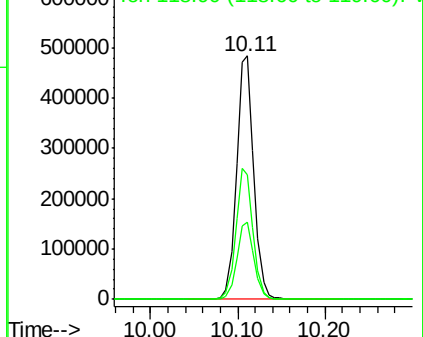
119 31.8 26.2 39.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

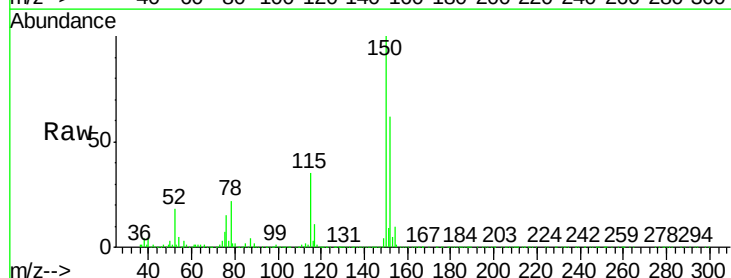
Tgt Ion:152 Resp: 297085

Ion Ratio Lower Upper

152 100

115 55.0 39.5 118.3

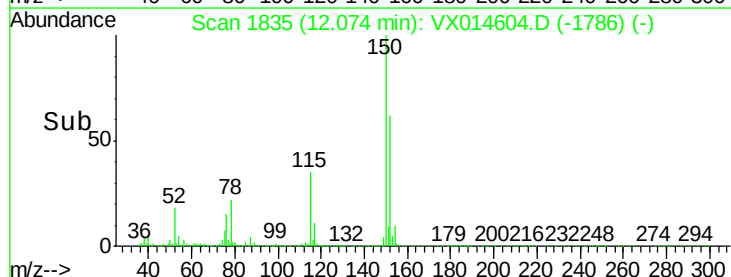
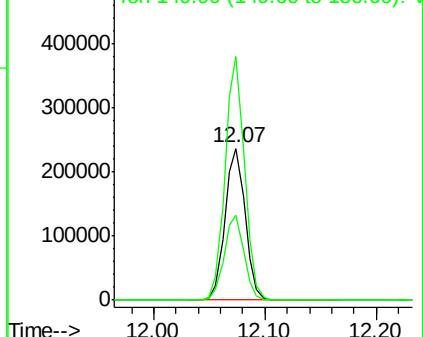
150 154.8 0.0 350.2

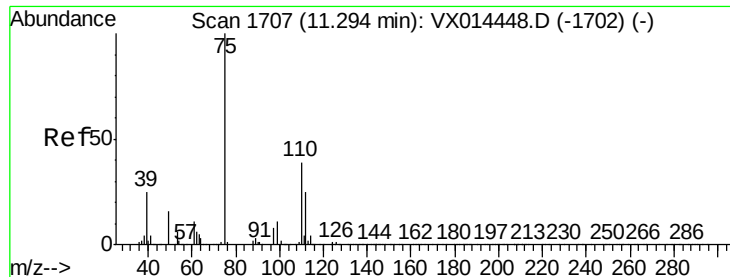


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.174 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

Instrument :

MSVOA_X

ClientSampleId :

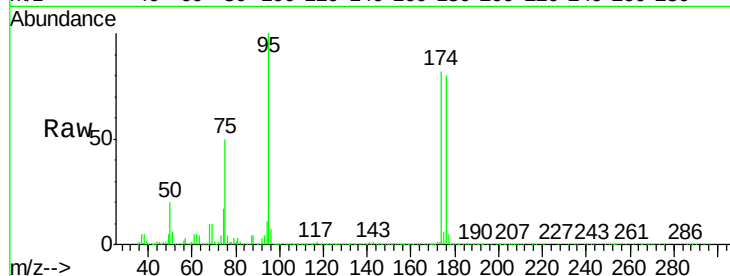
KY038PS038-200113

Tgt Ion: 75 Resp: 142444

Ion Ratio Lower Upper

75 100

77 1.6 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

120000

100000

80000

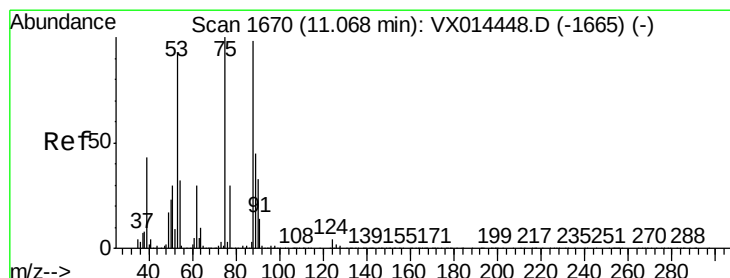
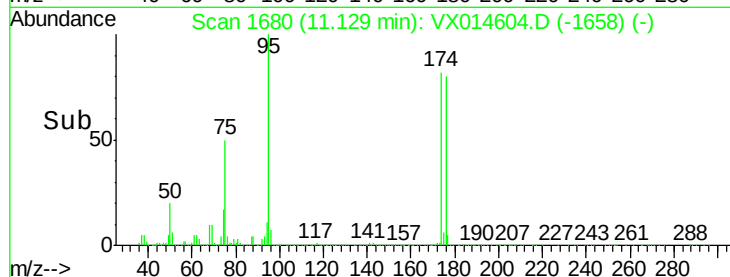
60000

40000

20000

0

Time--> 11.00 11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 61.267 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

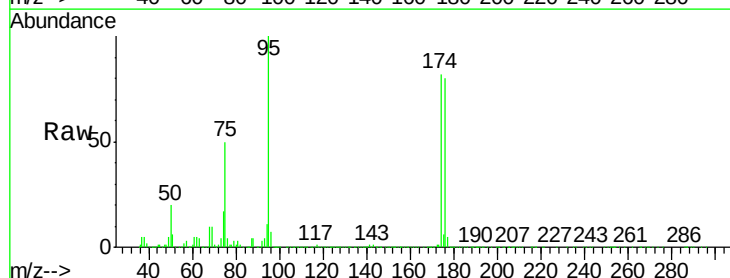
Tgt Ion: 75 Resp: 142444

Ion Ratio Lower Upper

75 100

53 0.5 74.8 112.2#

89 0.2 36.3 54.5#



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

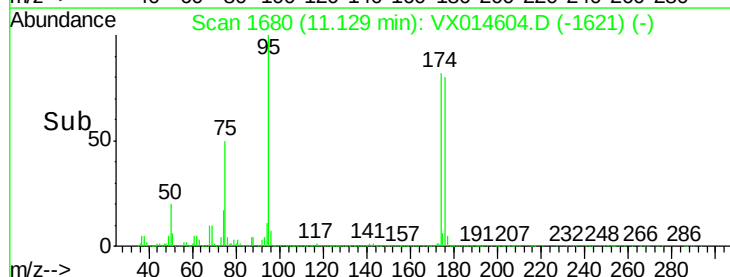
150000

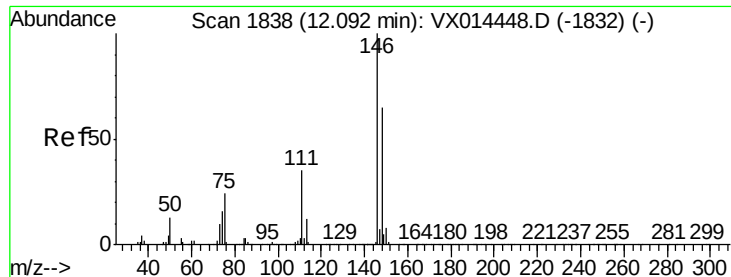
100000

50000

0

Time--> 11.00 11.10 11.20





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

Instrument :

MSVOA_X

ClientSampleId :

KY038PS038-200113

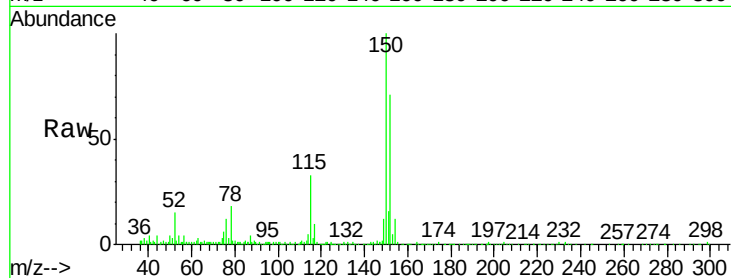
Tgt Ion:146 Resp: 780

Ion Ratio Lower Upper

146 100

111 538.2 18.1 54.1#

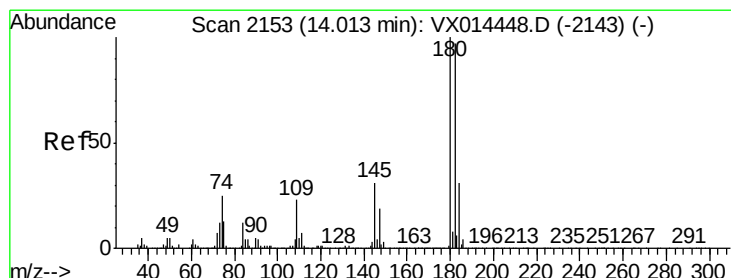
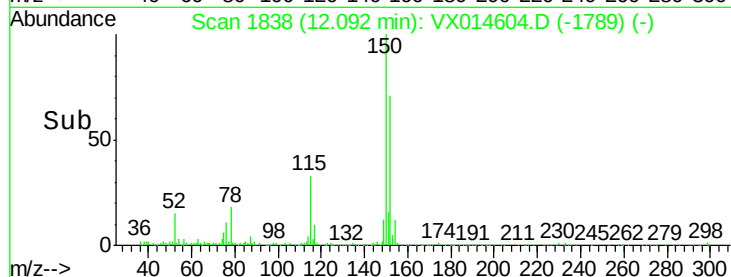
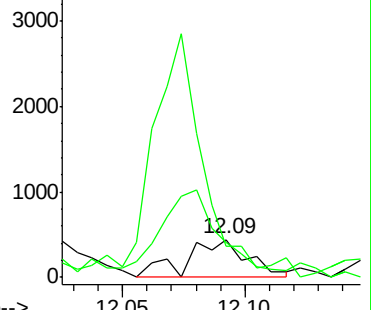
148 202.1 32.1 96.3#



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



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX014604.D

Acq: 14 Jan 2020 13:42

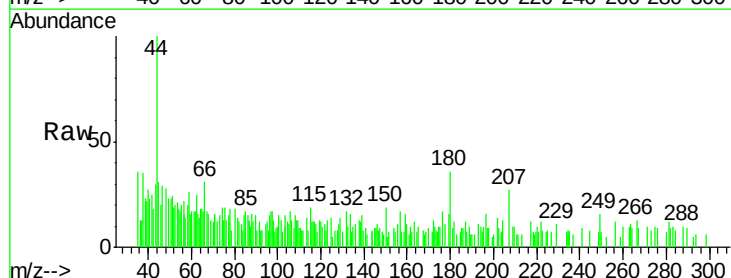
Tgt Ion:180 Resp: 336

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.6#

145 70.8 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

