

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022020\
 Data File : VX014973.D
 Acq On : 20 Feb 2020 12:36
 Operator : JC/SP
 Sample : L1583-01DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40708DL

Quant Time: Feb 21 02:12:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	454165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	716009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	684331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	362312	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	257837	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	5.49	113	215277	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	8.71	98	858108	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.13	95	322706	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	

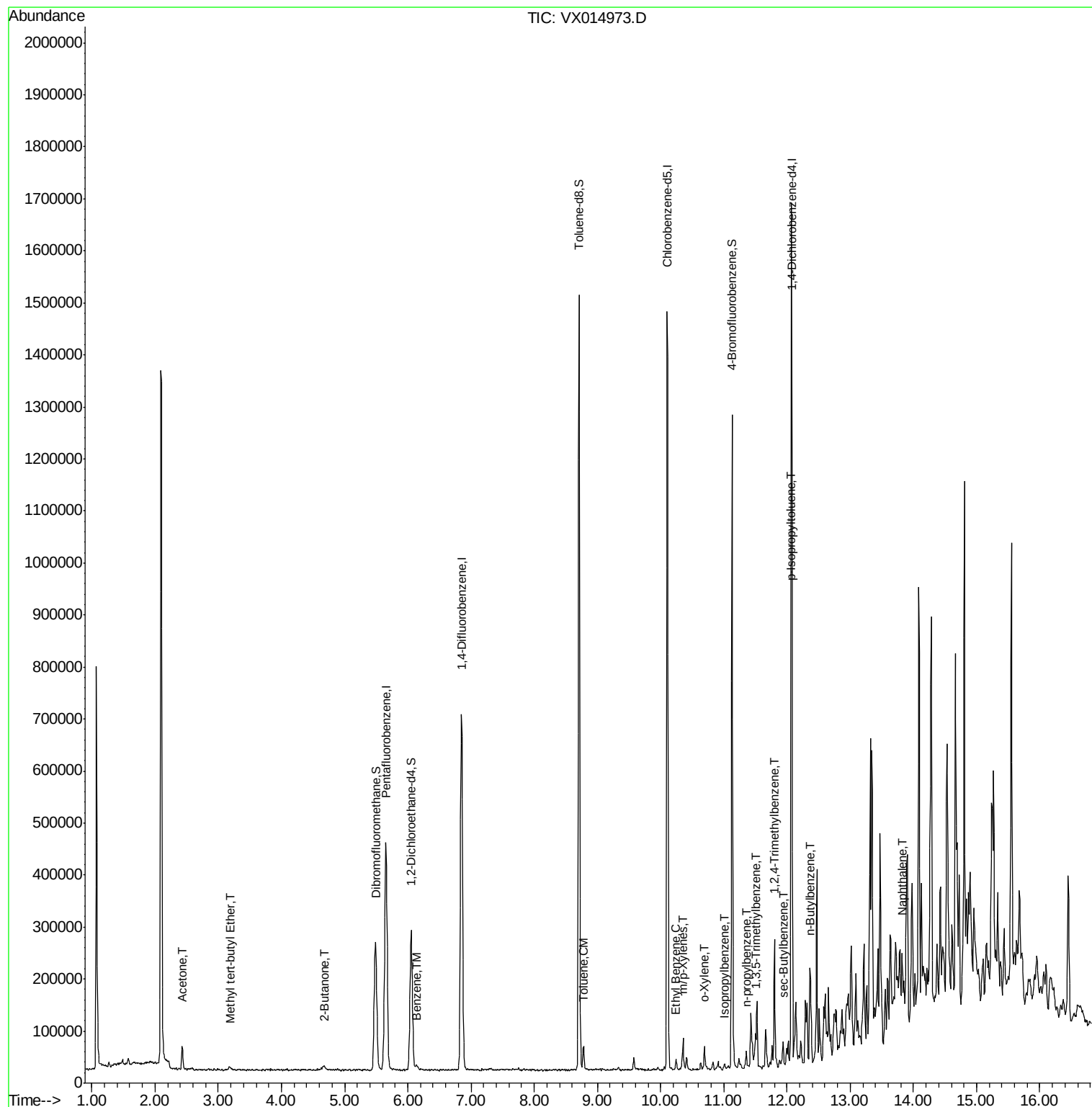
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	49341	7.312	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	8606	0.635	ug/l	97
25) 2-Butanone	4.67	43	10396	2.979	ug/l #	77
40) Benzene	6.14	78	11650	0.609	ug/l	96
52) Toluene	8.78	92	18045	1.485	ug/l	97
67) Ethyl Benzene	10.25	91	10780	0.457	ug/l	90
68) m/p-Xylenes	10.36	106	16045	1.764	ug/l	96
69) o-Xylene	10.69	106	11145	1.275	ug/l	98
73) Isopropylbenzene	11.01	105	6571	0.289	ug/l	88
78) n-propylbenzene	11.35	91	20117	0.766	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	25127	1.324	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	107386	5.613	ug/l	100
85) sec-Butylbenzene	11.94	105	14140	0.633	ug/l	86
86) p-Isopropyltoluene	12.06	119	11103	0.531	ug/l	86
89) n-Butylbenzene	12.38	91	34266	1.831	ug/l #	49
95) Naphthalene	13.83	128	51441	2.349	ug/l #	92

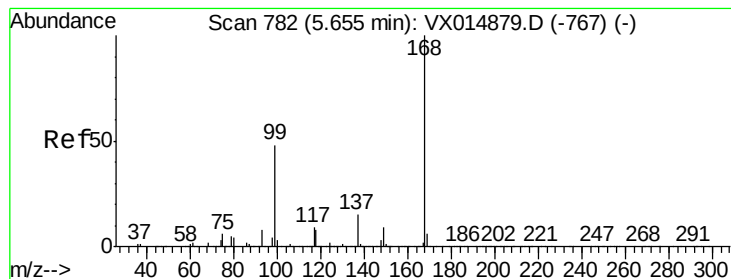
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX014973.D

Acq: 20 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleID :

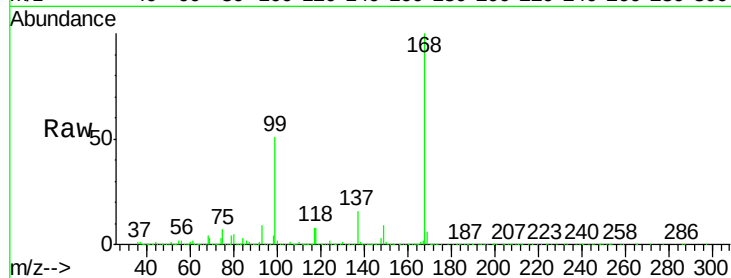
40708DL

Tot Ion:168 Resp: 454165

Ion Ratio Lower Upper

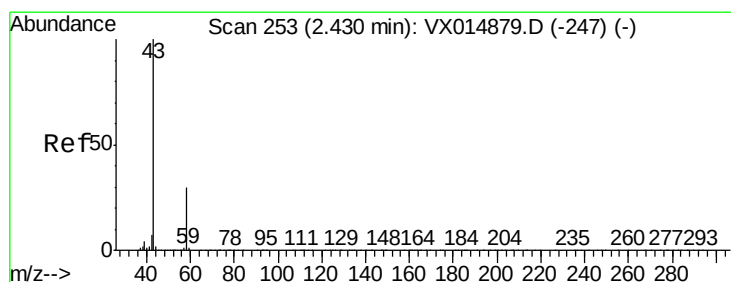
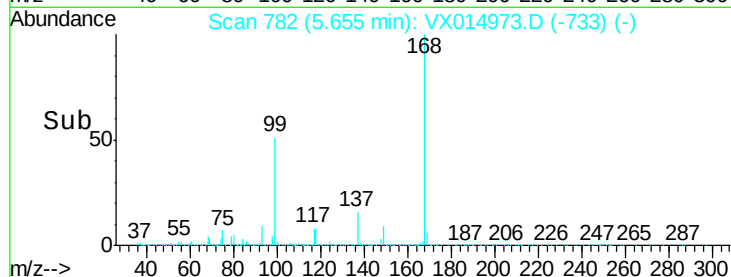
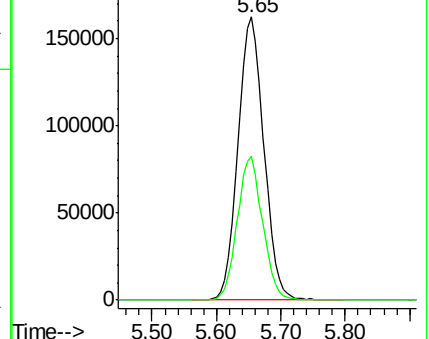
168 100

99 50.8 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 7.312 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014973.D

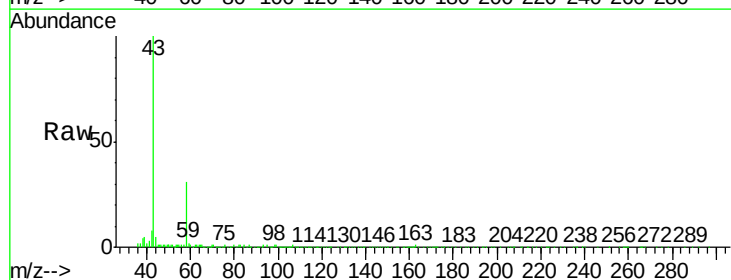
Acq: 20 Feb 2020 12:36

Tgt Ion: 43 Resp: 49341

Ion Ratio Lower Upper

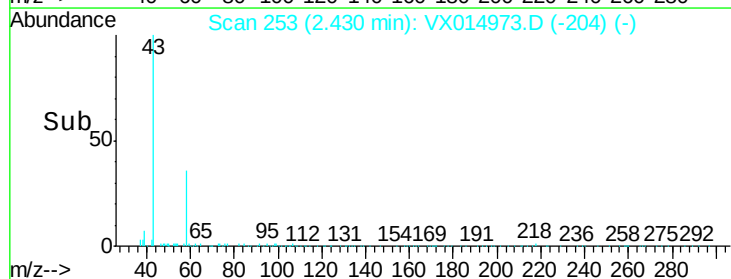
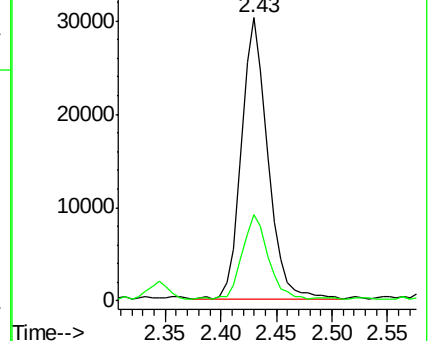
43 100

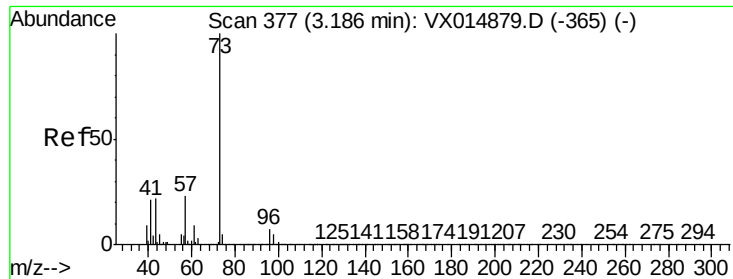
58 30.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



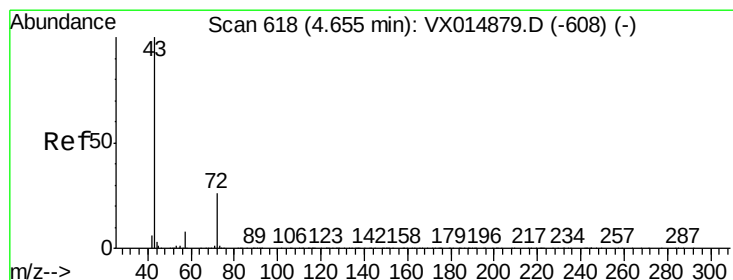
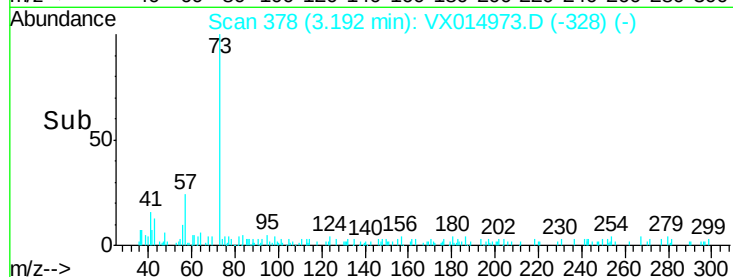
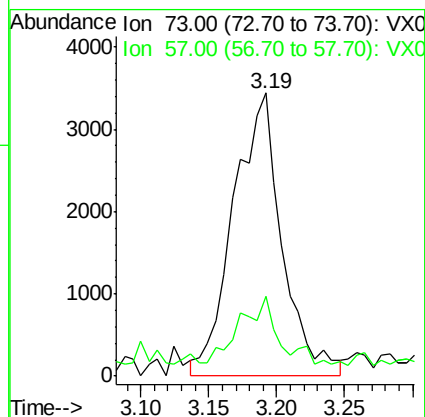
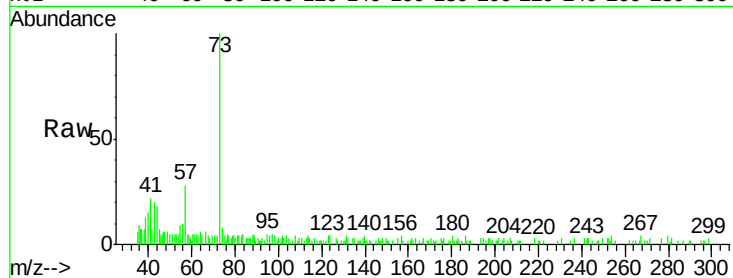


#19

Methyl tert-butyl Ether
 Concen: 0.635 ug/l
 RT: 3.19 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: VX014973.D
 Acq: 20 Feb 2020 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 40708DL

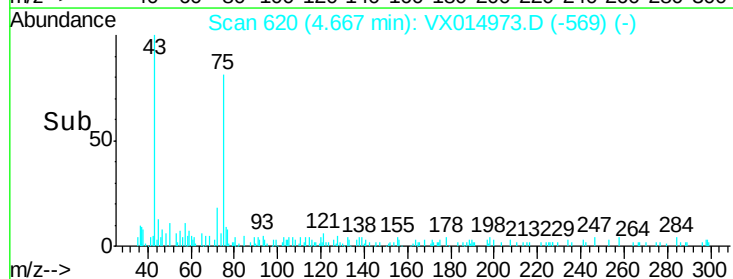
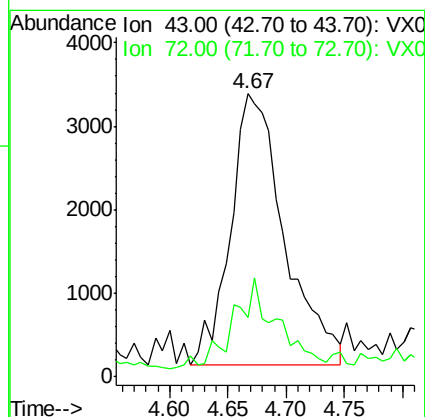
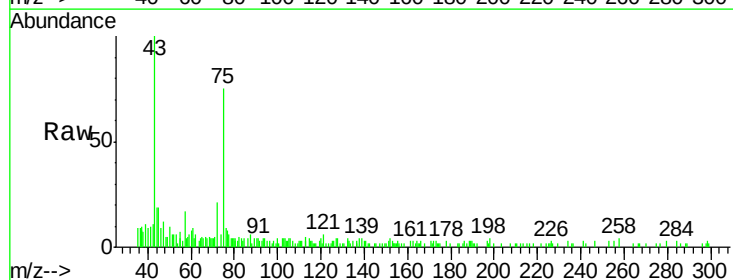
Tot Ion: 73 Resp: 8606
 Ion Ratio Lower Upper
 73 100
 57 24.0 18.2 27.4

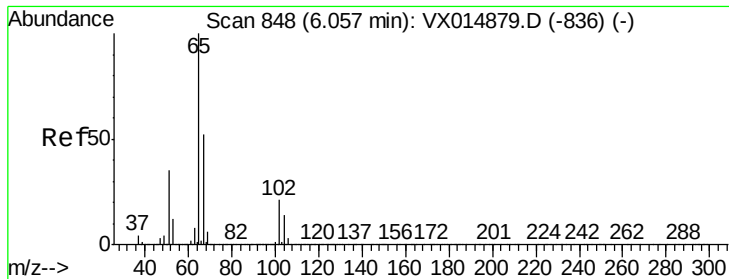


#25

2-Butanone
 Concen: 2.979 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX014973.D
 Acq: 20 Feb 2020 12:36

Tgt Ion: 43 Resp: 10396
 Ion Ratio Lower Upper
 43 100
 72 14.5 21.0 31.6#

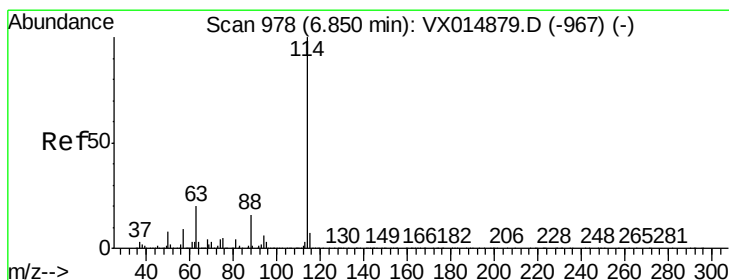
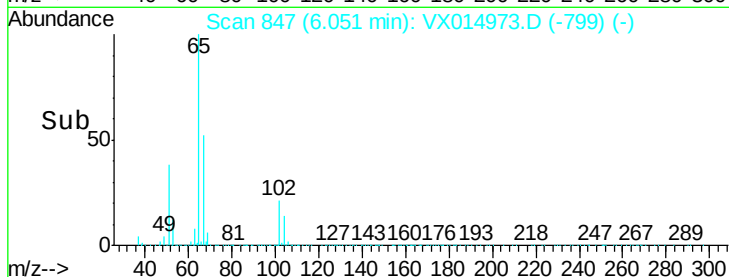
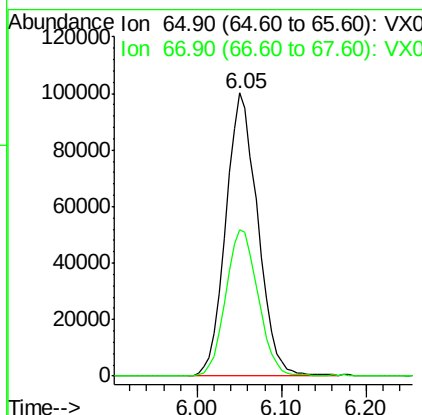
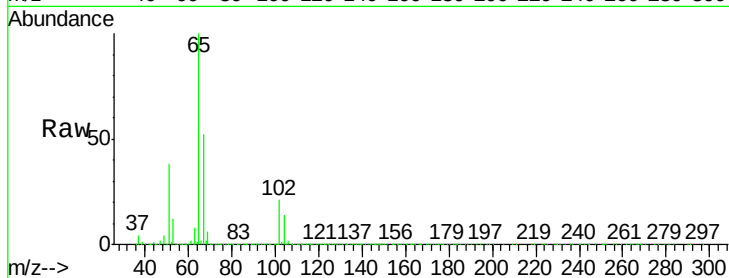




#33
 1,2-Dichloroethane-d4
 Concen: 50.304 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX014973.D
 Acq: 20 Feb 2020 12:36

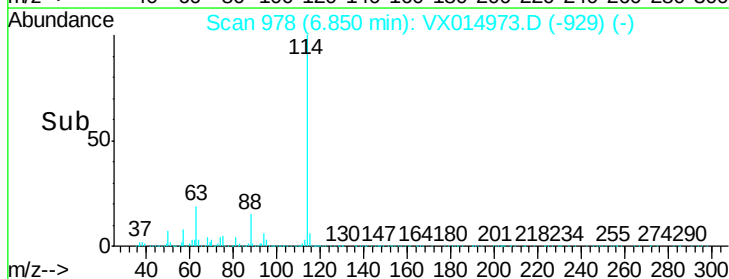
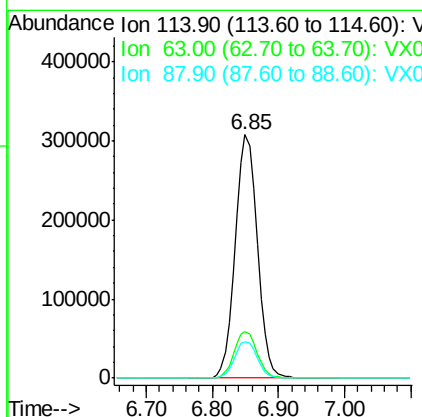
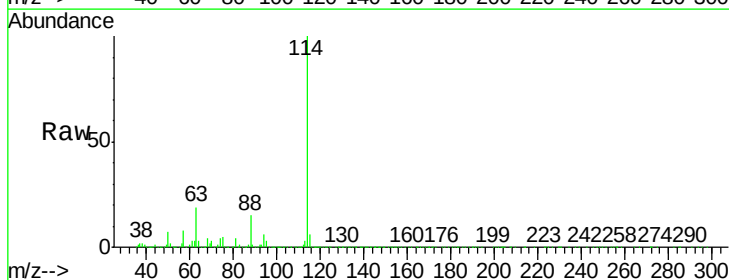
Instrument :
 MSVOA_X
 ClientSampleID :
 40708DL

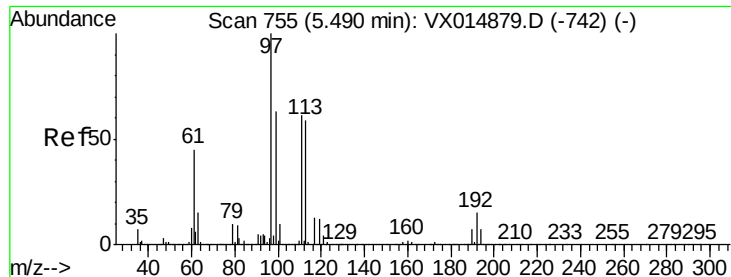
Tot Ion: 65 Resp: 257837
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014973.D
 Acq: 20 Feb 2020 12:36

Tgt Ion: 114 Resp: 716009
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.2
 88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.906 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014973.D

Acq: 20 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

40708DL

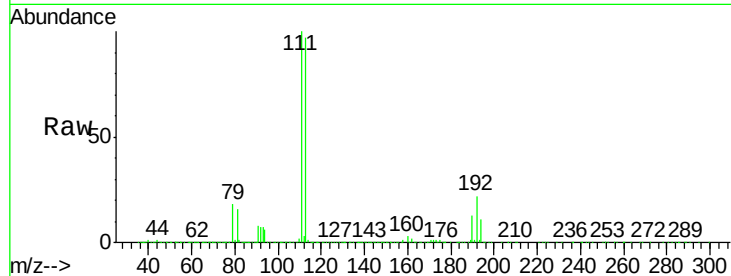
Tot Ion:113 Resp: 215277

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

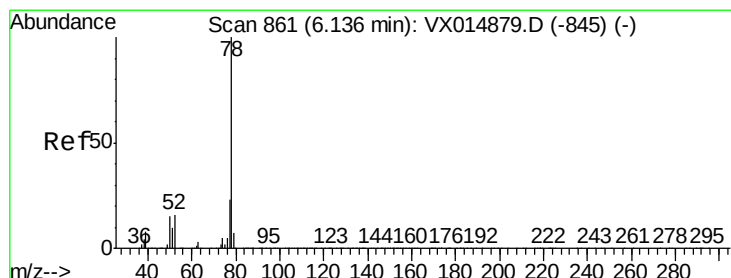
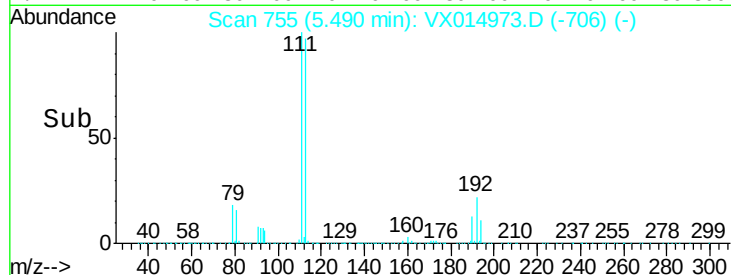
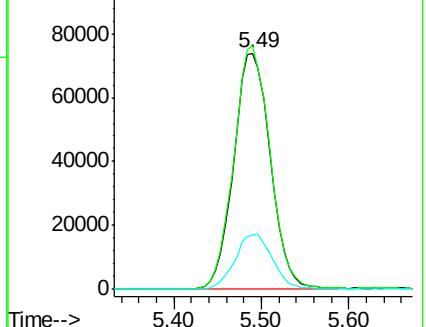
192 24.2 19.1 28.7



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



#40

Benzene

Concen: 0.609 ug/l

RT: 6.14 min Scan# 862

Delta R.T. 0.01 min

Lab File: VX014973.D

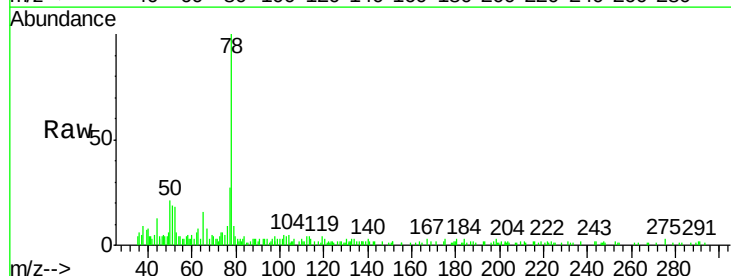
Acq: 20 Feb 2020 12:36

Tgt Ion: 78 Resp: 11650

Ion Ratio Lower Upper

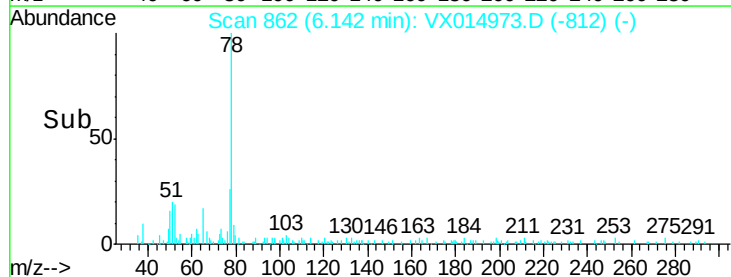
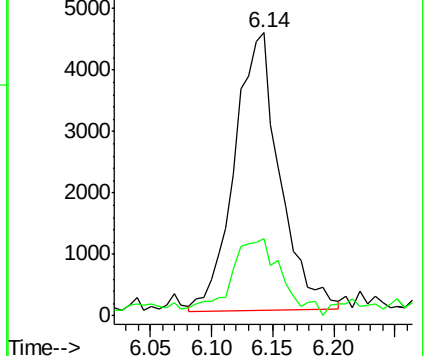
78 100

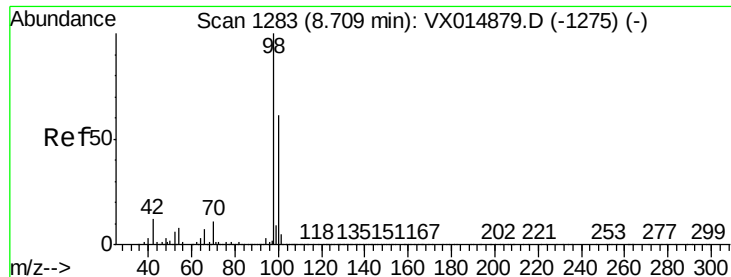
77 25.3 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

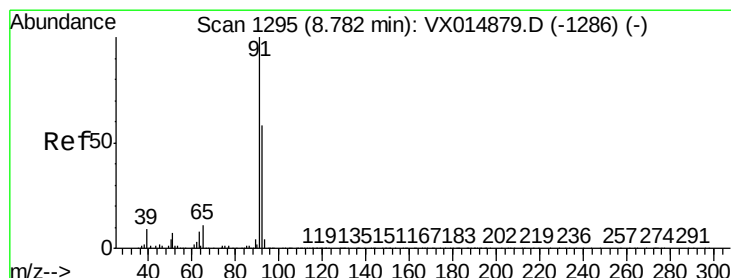
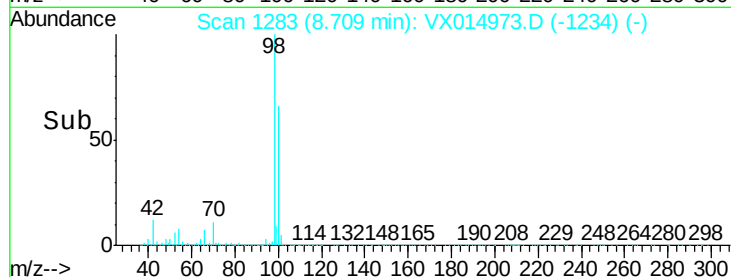
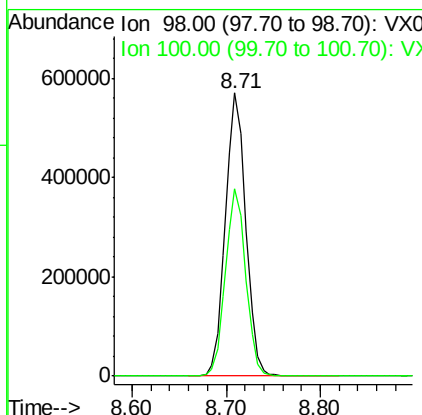
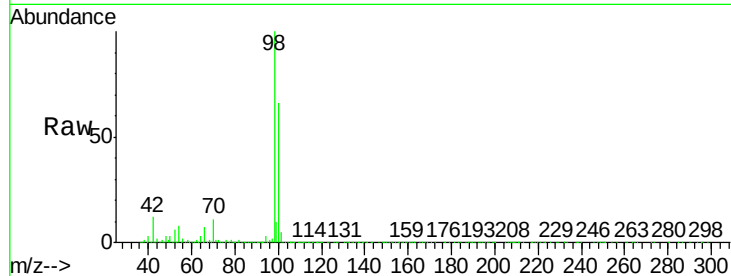




#50
Toluene-d8
Concen: 51.071 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014973.D
Acq: 20 Feb 2020 12:36

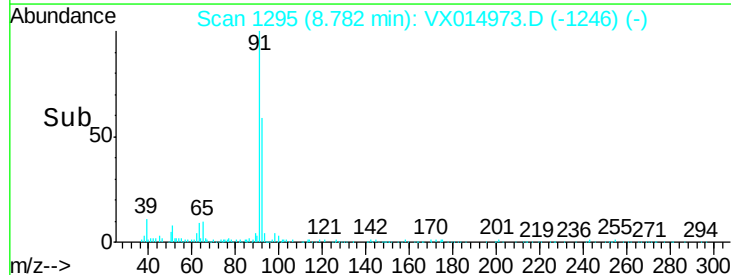
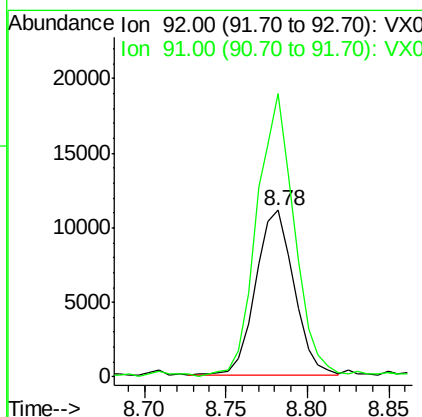
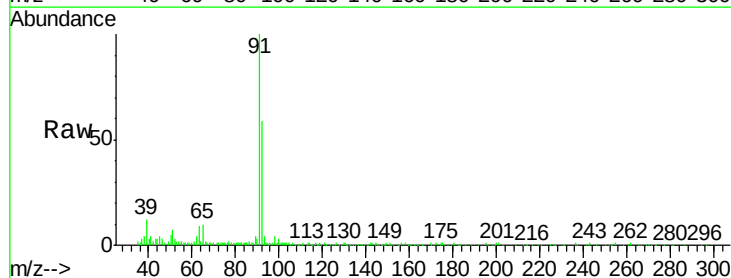
Instrument :
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ClientSampleId :
40708DL

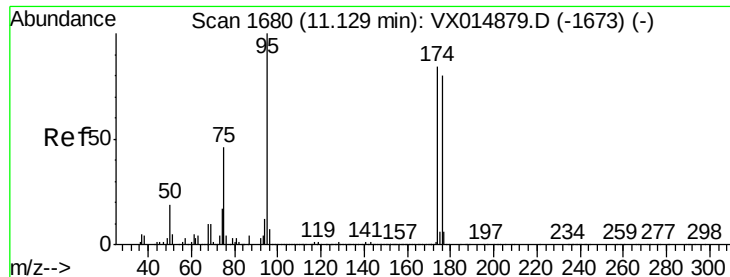
Tot Ion: 98 Resp: 858108
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#52
Toluene
Concen: 1.485 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX014973.D
Acq: 20 Feb 2020 12:36

Tgt Ion: 92 Resp: 18045
Ion Ratio Lower Upper
92 100
91 167.1 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 53.316 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014973.D

Acq: 20 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

40708DL

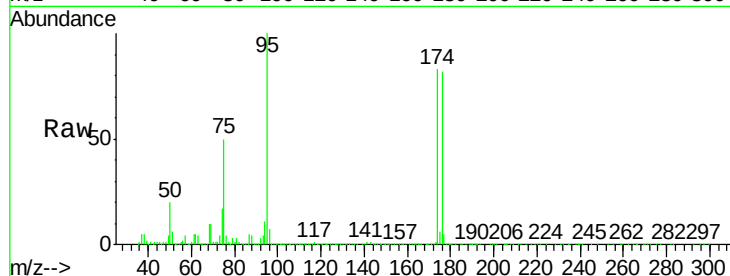
Tot Ion: 95 Resp: 322706

Ion Ratio Lower Upper

95 100

174 90.4 0.0 183.0

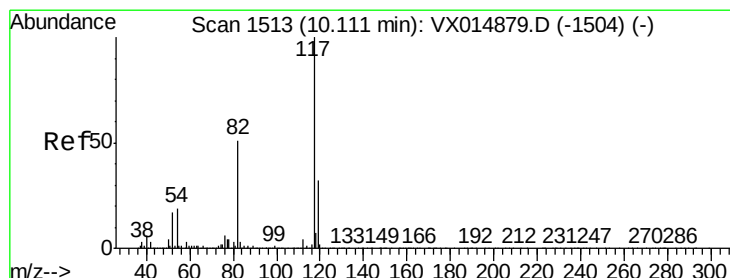
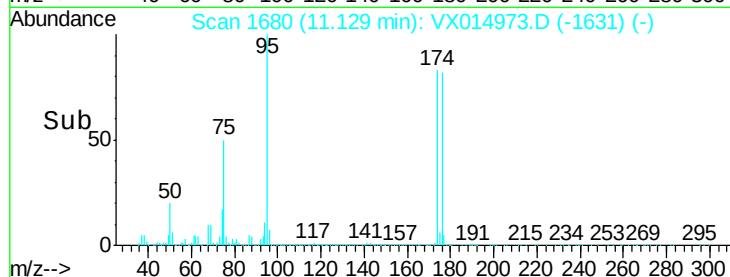
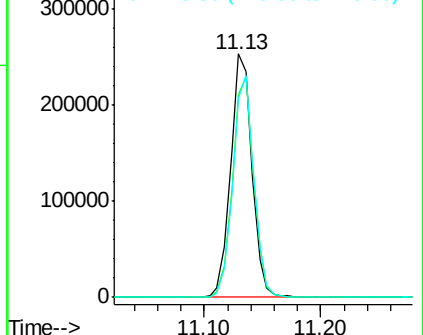
176 89.4 0.0 178.0



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# 1512

Delta R.T. -0.01 min

Lab File: VX014973.D

Acq: 20 Feb 2020 12:36

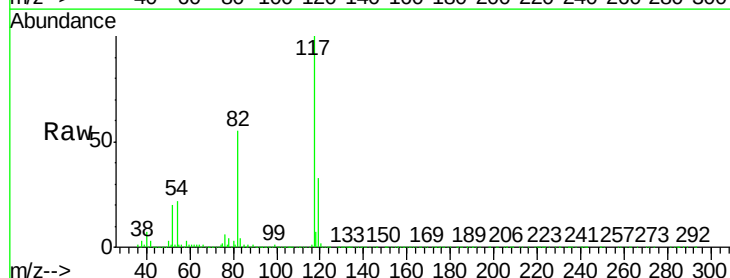
Tgt Ion: 117 Resp: 684331

Ion Ratio Lower Upper

117 100

82 55.3 40.5 60.7

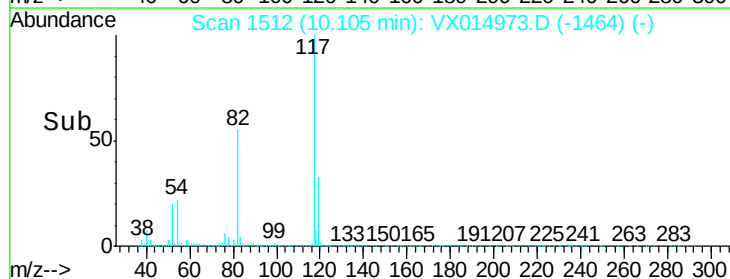
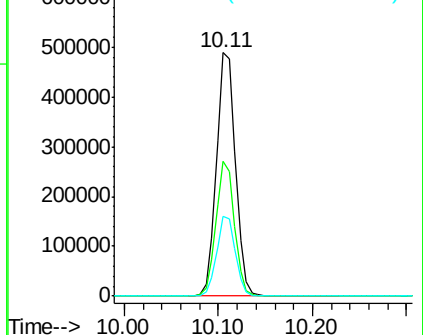
119 32.7 25.8 38.6

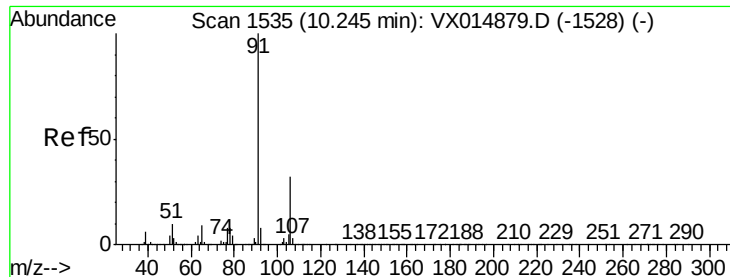


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

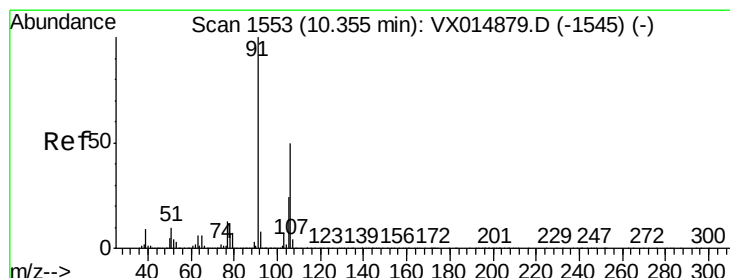
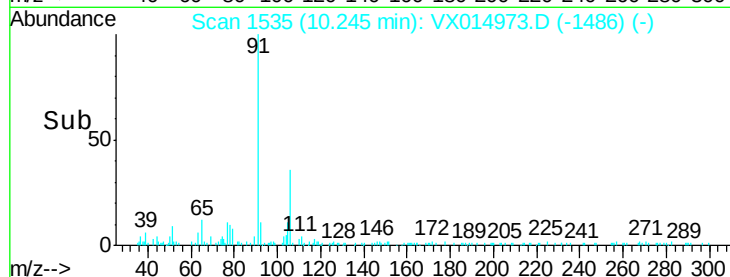
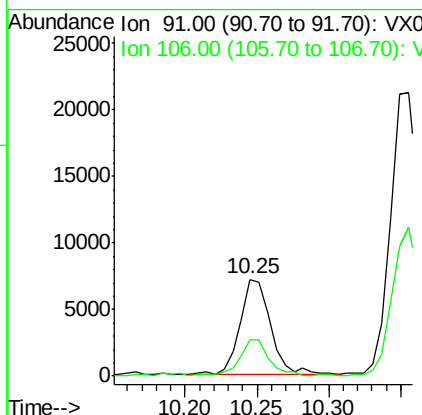
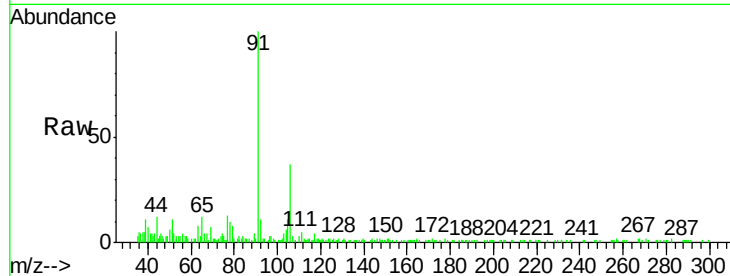




#67
Ethyl Benzene
Concen: 0.457 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014973.D
Acq: 20 Feb 2020 12:36

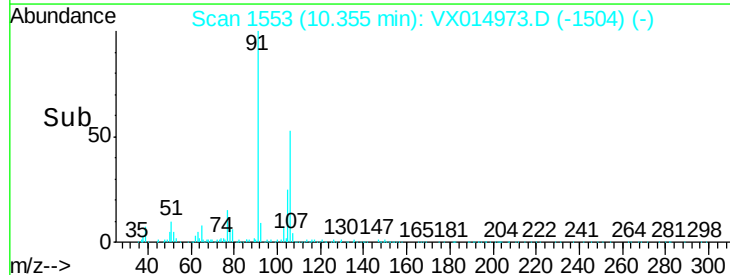
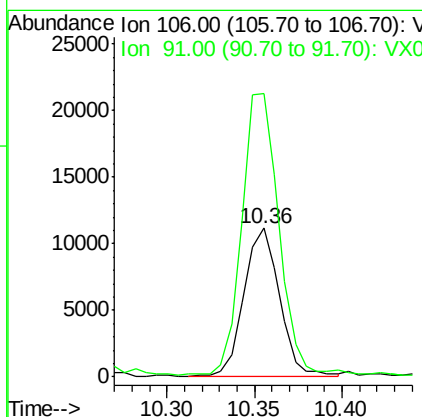
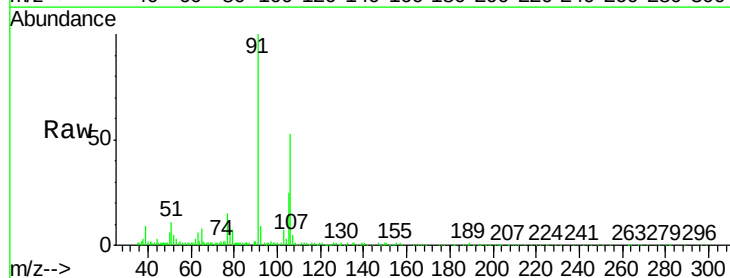
Instrument :
MSVOA_X
ClientSampleID :
40708DL

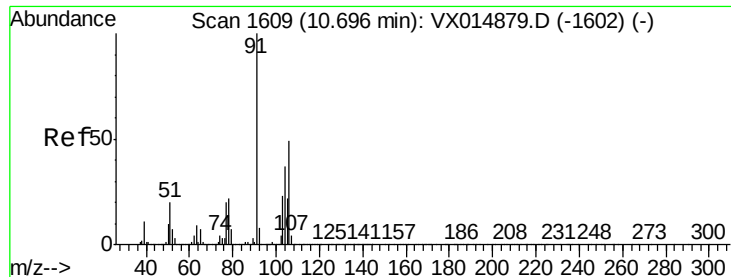
Tot Ion: 91 Resp: 10780
Ion Ratio Lower Upper
91 100
106 37.0 25.3 37.9



#68
m/p-Xylenes
Concen: 1.764 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014973.D
Acq: 20 Feb 2020 12:36

Tgt Ion: 106 Resp: 16045
Ion Ratio Lower Upper
106 100
91 194.7 160.6 240.8





#69

o-Xylene

Concen: 1.275 ug/l

RT: 10.69 min Scan# 1608

Delta R.T. -0.01 min

Lab File: VX014973.D

Acq: 20 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

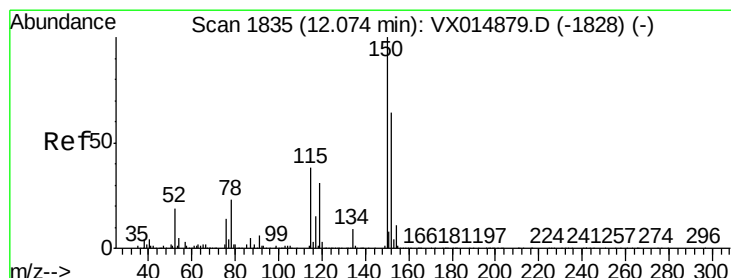
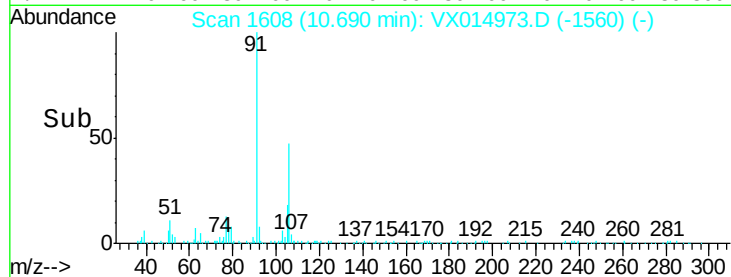
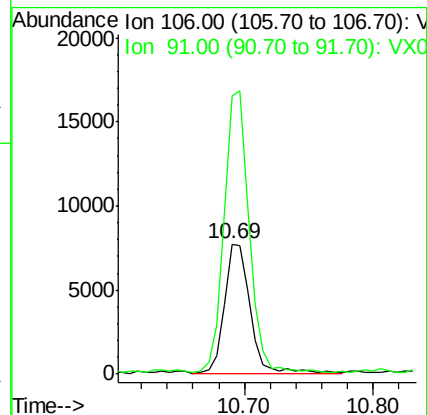
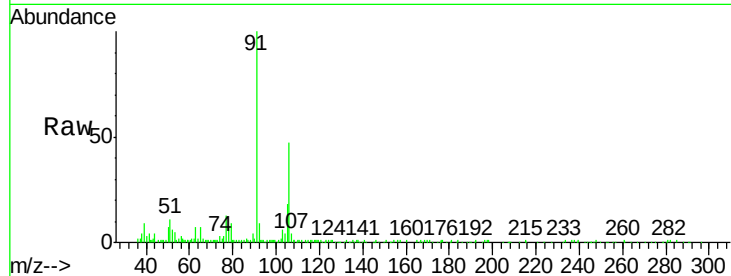
40708DL

Tot Ion:106 Resp: 11145

Ion Ratio Lower Upper

106 100

91 206.3 105.1 315.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014973.D

Acq: 20 Feb 2020 12:36

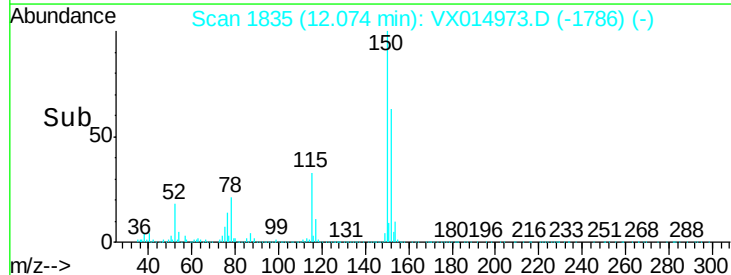
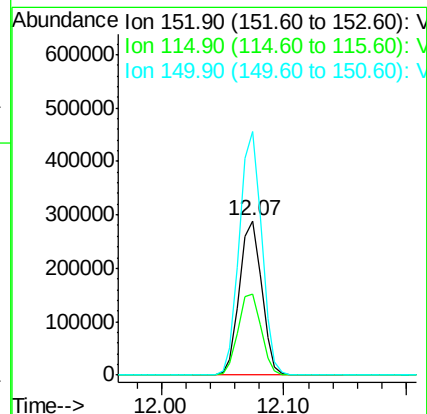
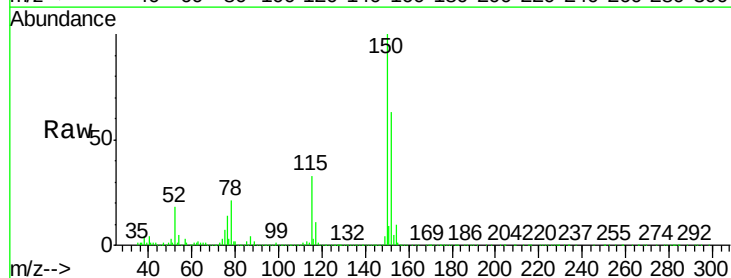
Tgt Ion:152 Resp: 362312

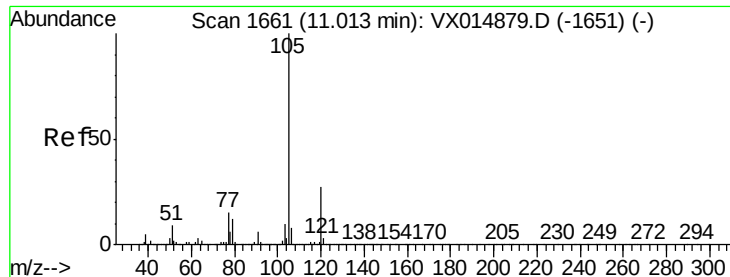
Ion Ratio Lower Upper

152 100

115 54.0 38.6 116.0

150 157.2 0.0 349.0





#73

Isopropylbenzene

Concen: 0.289 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014973.D

Acq: 20 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampled :

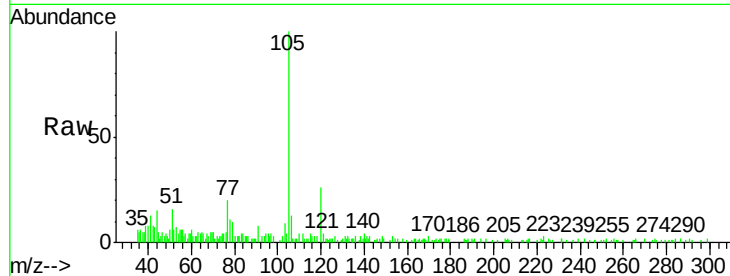
40708DL

Tot Ion:105 Resp: 6571

Ion Ratio Lower Upper

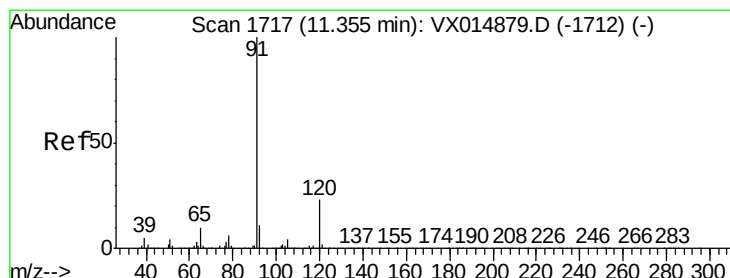
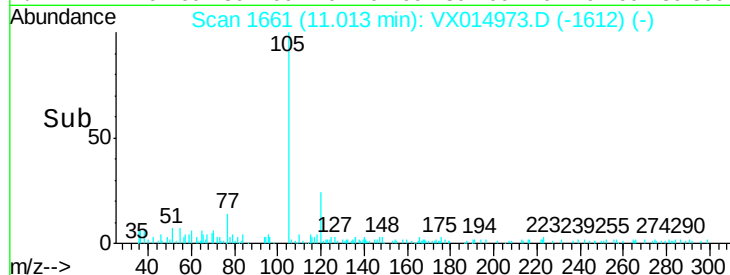
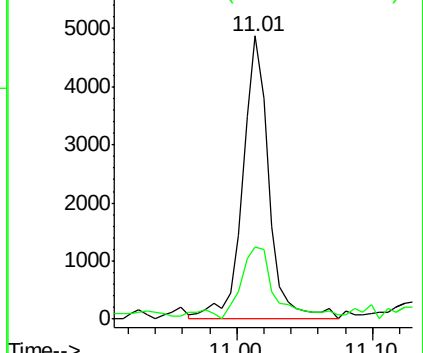
105 100

120 33.4 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.766 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014973.D

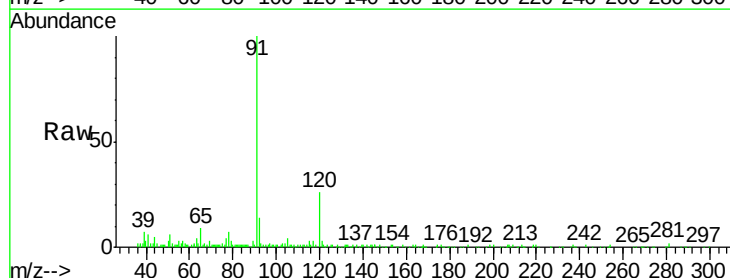
Acq: 20 Feb 2020 12:36

Tgt Ion: 91 Resp: 20117

Ion Ratio Lower Upper

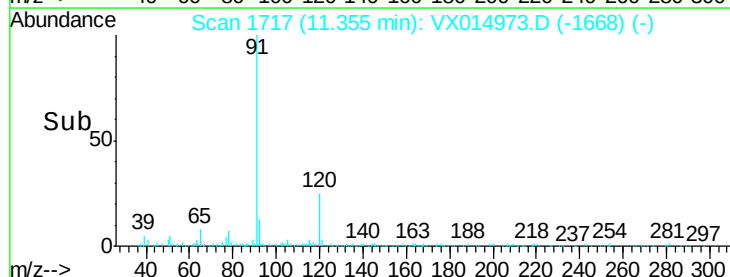
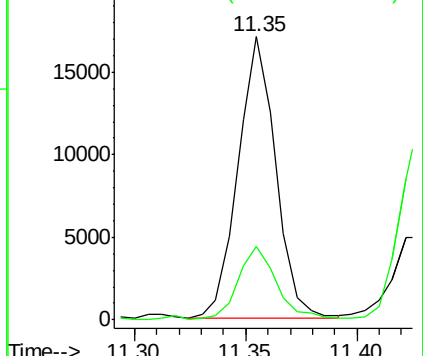
91 100

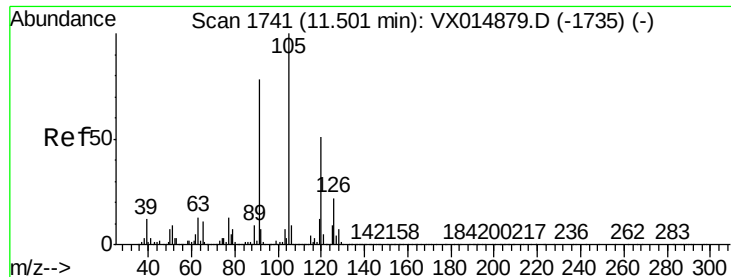
120 25.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

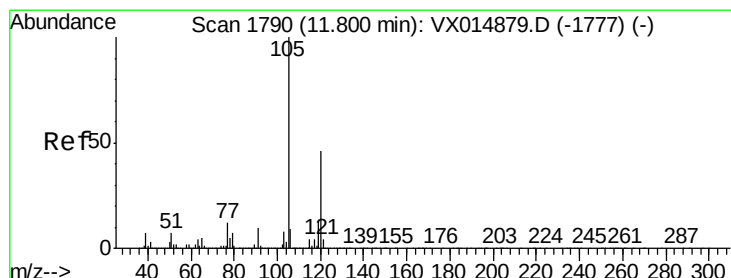
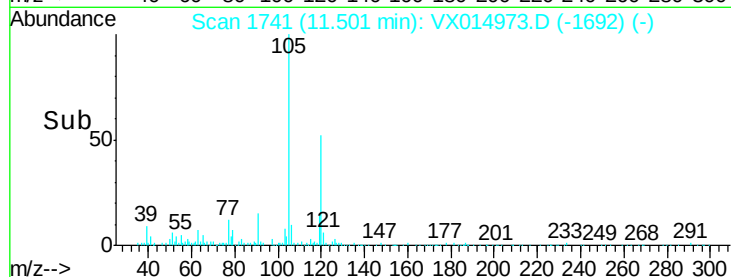
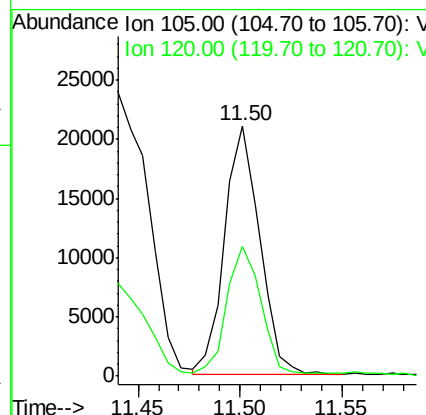
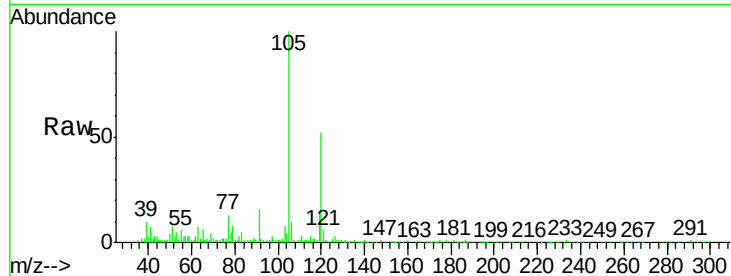




#80
 1,3,5-Trimethylbenzene
 Concen: 1.324 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014973.D
 Acq: 20 Feb 2020 12:36

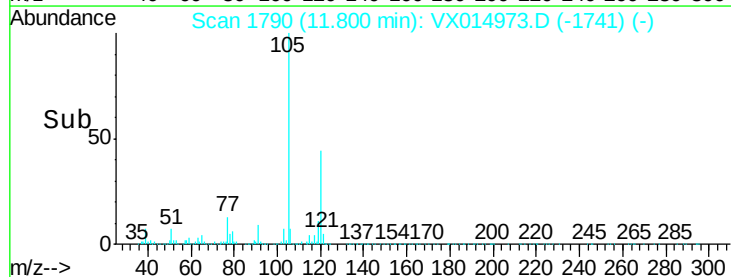
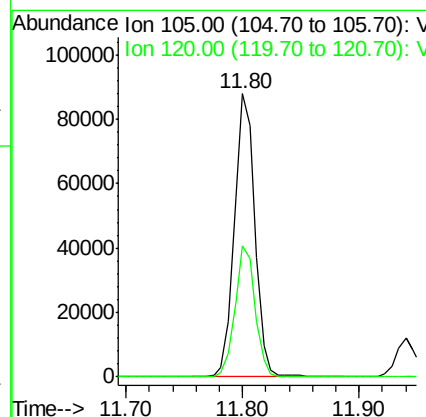
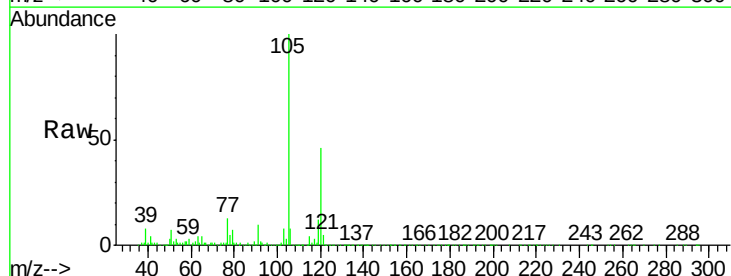
Instrument :
 MSVOA_X
 ClientSampleId :
 40708DL

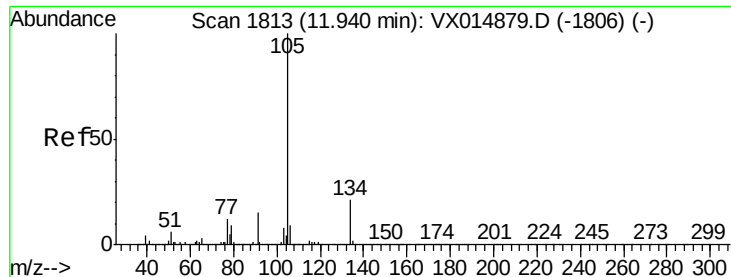
Tot Ion:105 Resp: 25127
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.6 76.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.613 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014973.D
 Acq: 20 Feb 2020 12:36

Tgt Ion:105 Resp: 107386
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.0 69.0

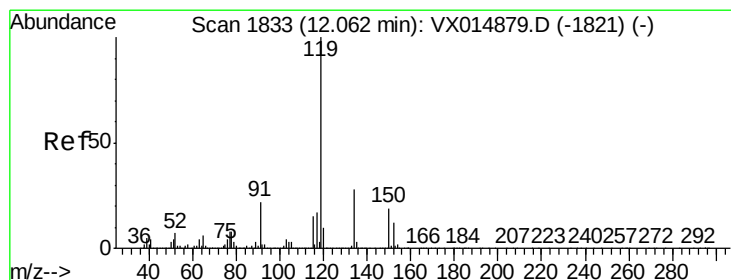
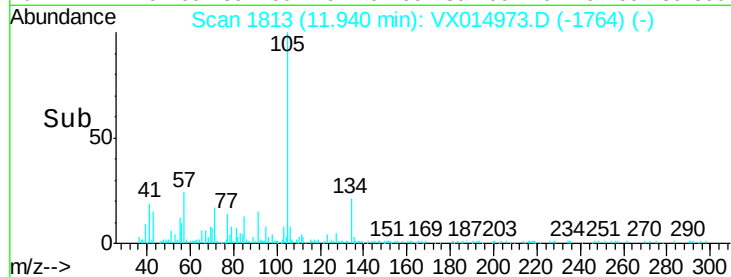
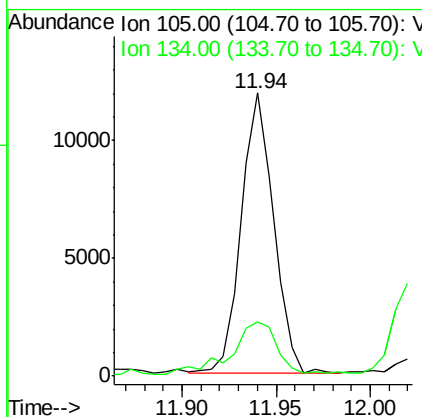
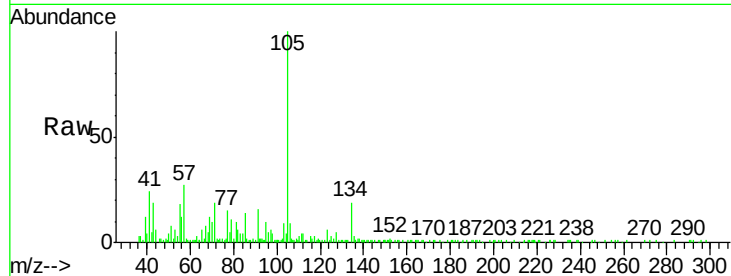




#85
 sec-Butylbenzene
 Concen: 0.633 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014973.D
 Acq: 20 Feb 2020 12:36

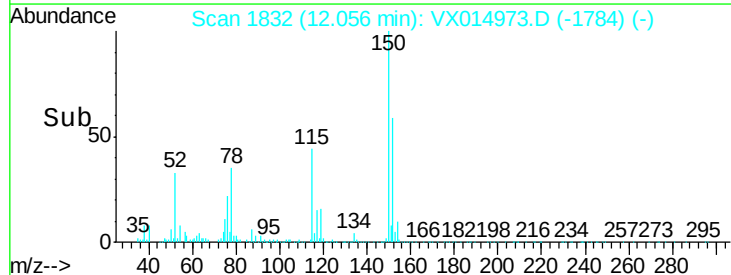
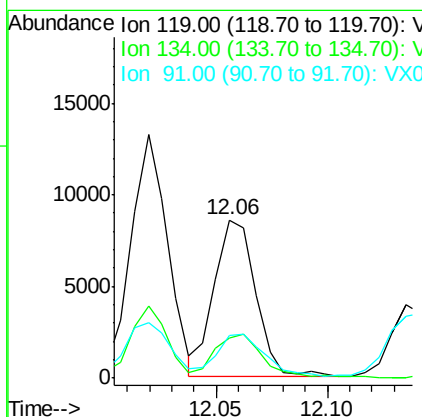
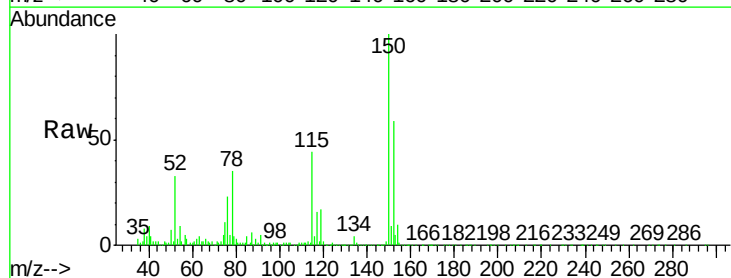
Instrument :
 MSVOA_X
 ClientSampleID :
 40708DL

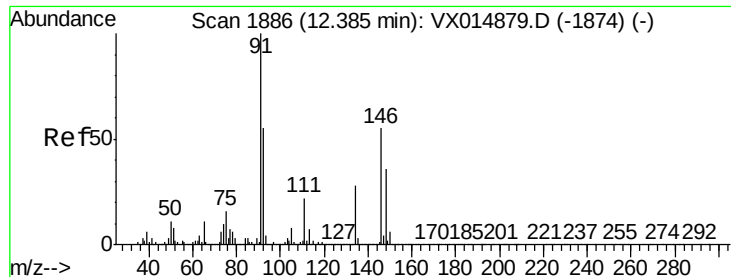
Tot Ion:105 Resp: 14140
 Ion Ratio Lower Upper
 105 100
 134 27.6 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 0.531 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014973.D
 Acq: 20 Feb 2020 12:36

Tgt Ion:119 Resp: 11103
 Ion Ratio Lower Upper
 119 100
 134 33.4 13.5 40.5
 91 29.9 11.4 34.1





#89

n-Butylbenzene

Concen: 1.831 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX014973.D

Acq: 20 Feb 2020 12:36

Instrument :

MSVOA_X

ClientSampleId :

40708DL

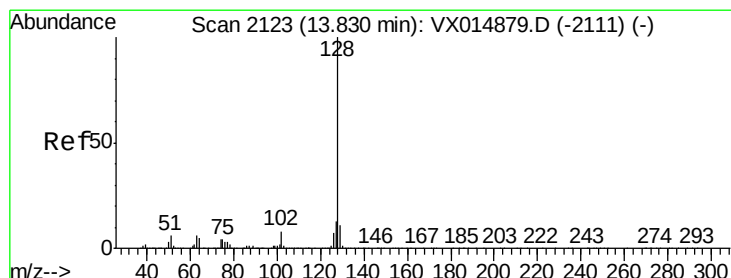
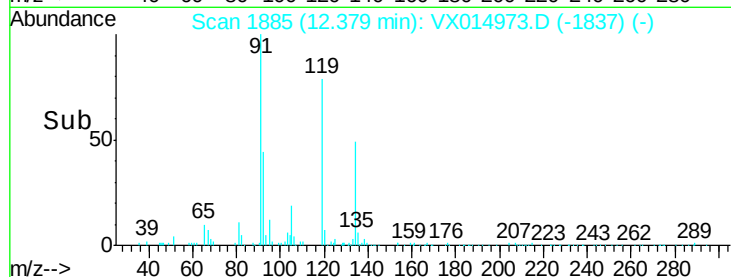
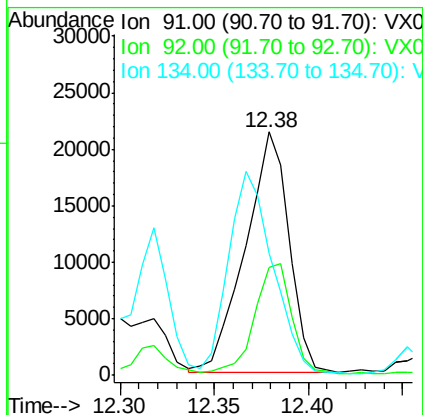
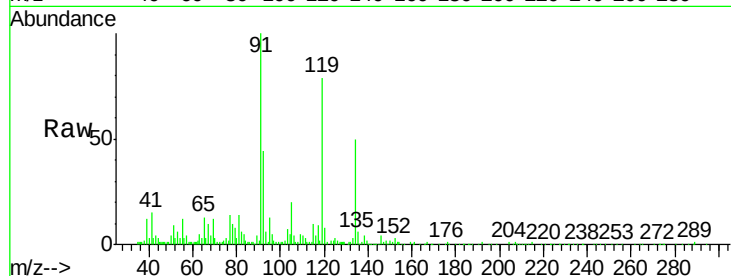
Tot Ion: 91 Resp: 34266

Ion Ratio Lower Upper

91 100

92 39.1 27.3 81.8

134 85.2 13.8 41.4#



#95

Naphthalene

Concen: 2.349 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014973.D

Acq: 20 Feb 2020 12:36

Tgt Ion: 128 Resp: 51441

Ion Ratio Lower Upper

128 100

127 15.6 10.4 15.6#

129 14.3 8.6 13.0#

