

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012102.D
 Acq On : 05 Sep 2019 15:47
 Operator : SY/SP
 Sample : K4563-01
 Misc : 7.08g/5.0mL/MSVOA X/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CIW-6S-(0-4)

Quant Time: Sep 06 06:38:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	157194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87454	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	106691	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	5.48	113	80297	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
50) Toluene-d8	8.71	98	319560	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.14	95	115539	39.36	ug/l	0.00
Spiked Amount			Recovery	=	78.72%	

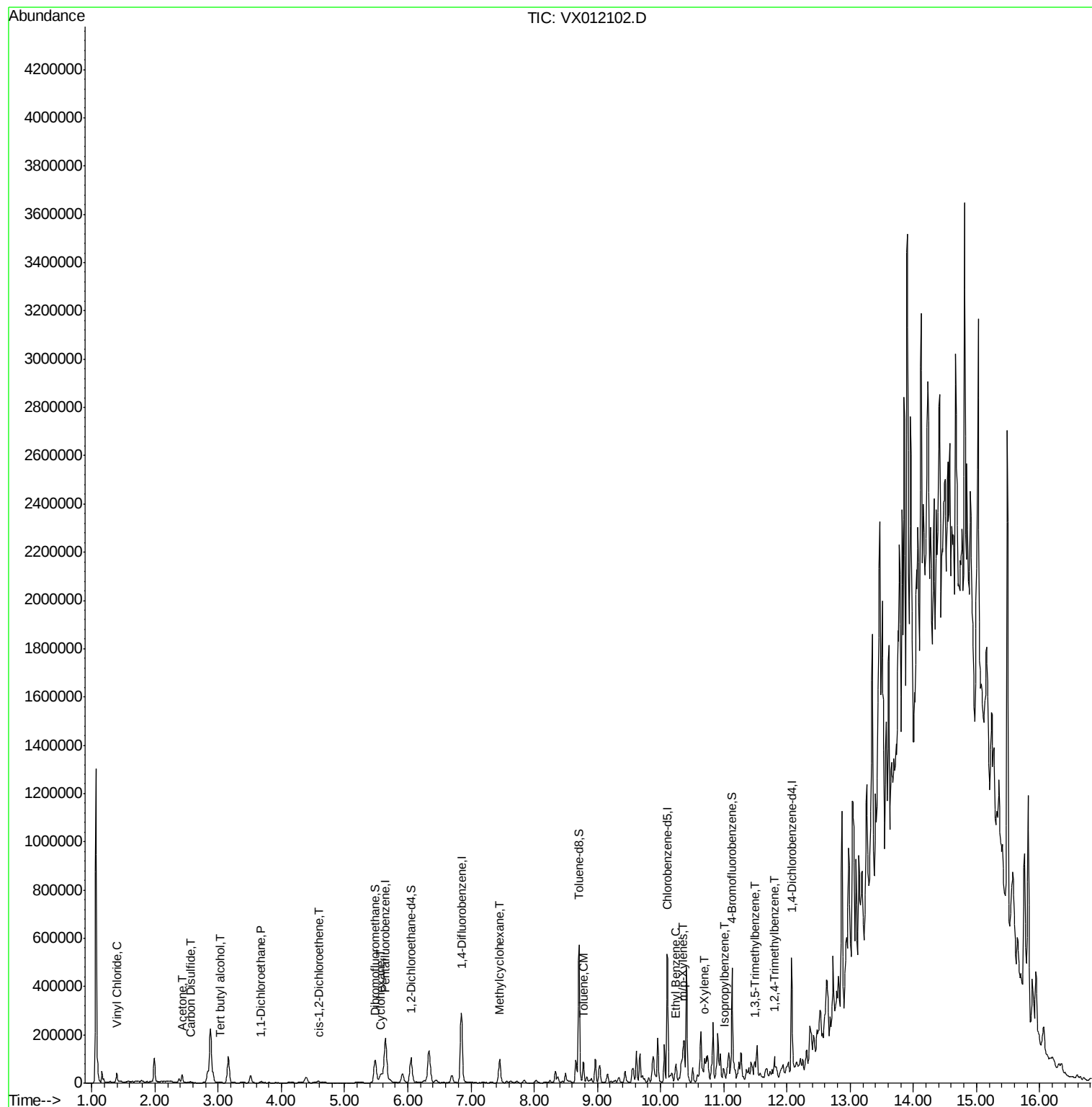
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	22773	16.305	ug/l	98
11) Tert butyl alcohol	3.03	59	4740	22.752	ug/l #	73
16) Acetone	2.43	43	34561	66.665	ug/l	98
17) Carbon Disulfide	2.56	76	5394	1.192	ug/l #	94
24) 1,1-Dichloroethane	3.69	63	5301	1.601	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	3418	1.605	ug/l	92
31) Cyclohexane	5.57	56	27410	10.308	ug/l	94
39) Methylcyclohexane	7.45	83	40849	14.286	ug/l	94
52) Toluene	8.78	92	31897	6.931	ug/l	96
67) Ethyl Benzene	10.25	91	18868	2.294	ug/l	91
68) m/p-Xylenes	10.36	106	18226	6.013	ug/l	91
69) o-Xylene	10.70	106	13102	4.458	ug/l	98
73) Isopropylbenzene	11.01	105	7469	1.164	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	10947	1.947	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	15117	2.616	ug/l	92

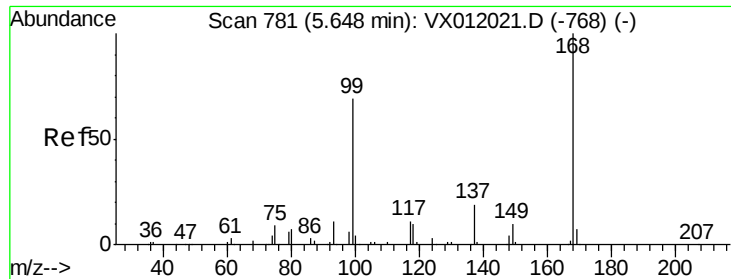
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012102.D

Acq: 05 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

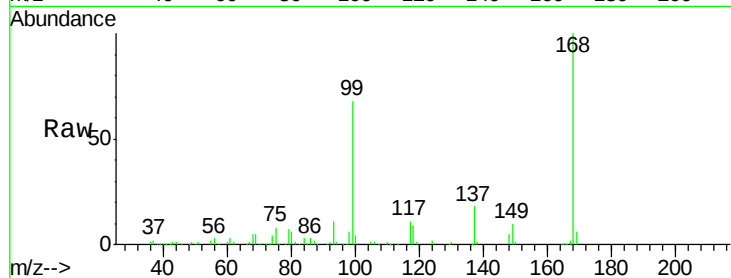
CIW-6S-(0-4)

Tot Ion:168 Resp: 157194

Ion Ratio Lower Upper

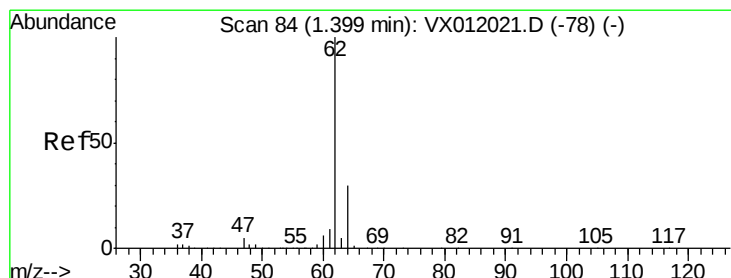
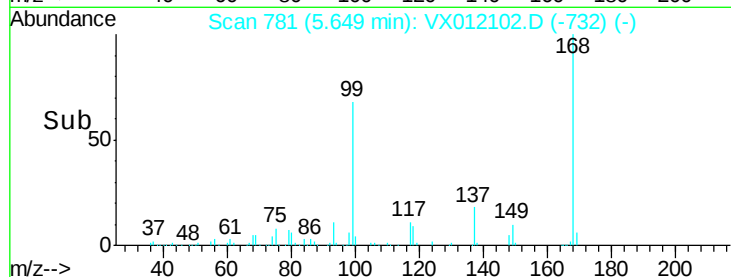
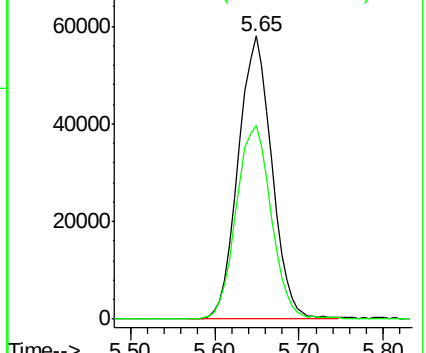
168 100

99 68.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 16.305 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012102.D

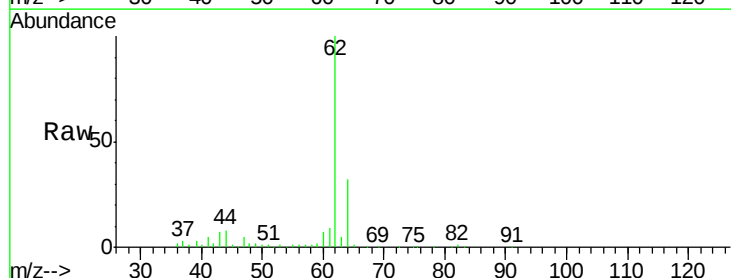
Acq: 05 Sep 2019 15:47

Tgt Ion: 62 Resp: 22773

Ion Ratio Lower Upper

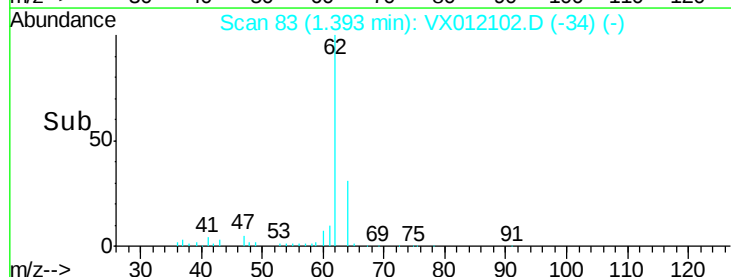
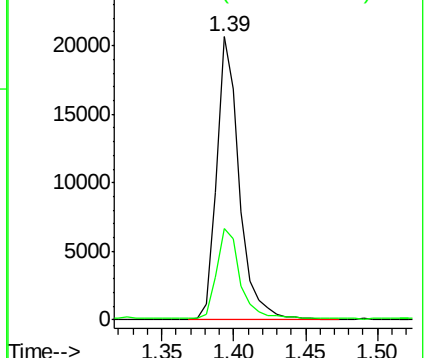
62 100

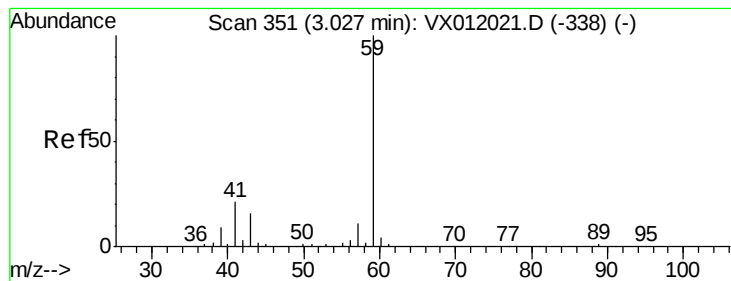
64 31.9 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



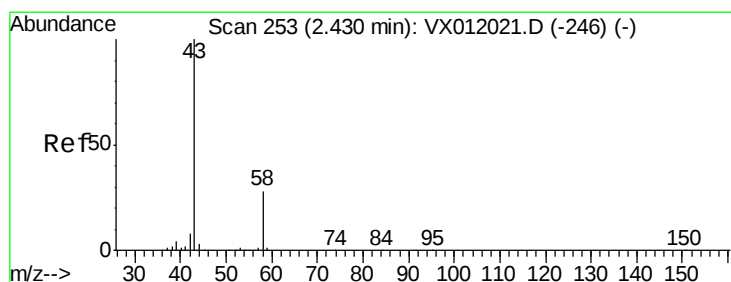
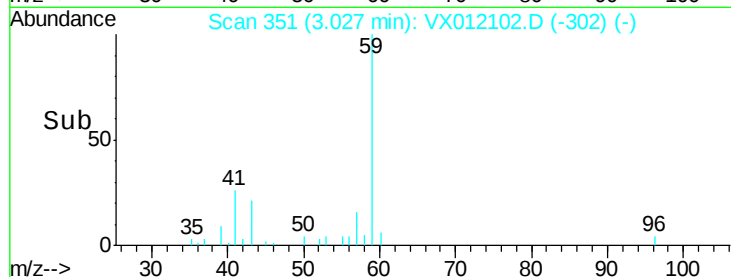
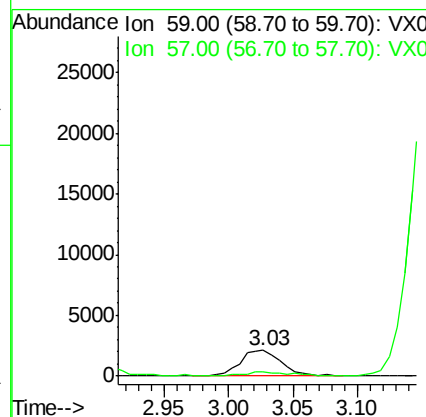
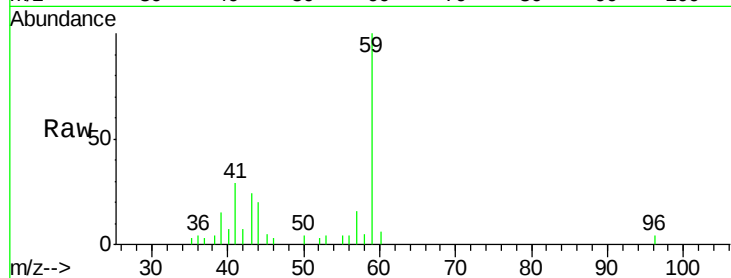


#11

Tert butyl alcohol
 Concen: 22.752 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX012102.D
 Acq: 05 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 CIW-6S-(0-4)

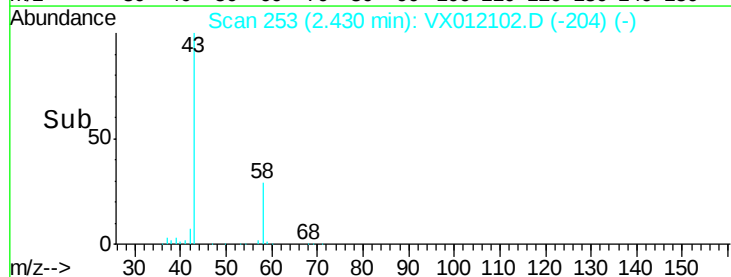
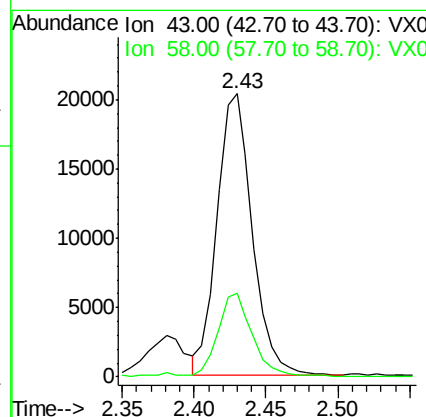
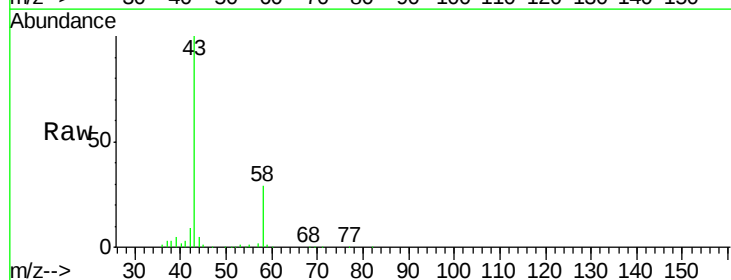
Tot Ion: 59 Resp: 4740
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

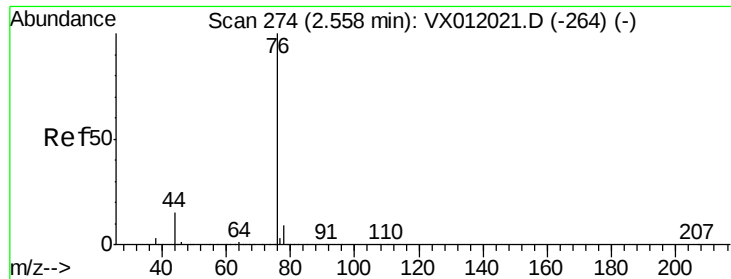


#16

Acetone
 Concen: 66.665 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012102.D
 Acq: 05 Sep 2019 15:47

Tgt Ion: 43 Resp: 34561
 Ion Ratio Lower Upper
 43 100
 58 29.4 22.8 34.2





#17

Carbon Disulfide

Concen: 1.192 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012102.D

Acq: 05 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

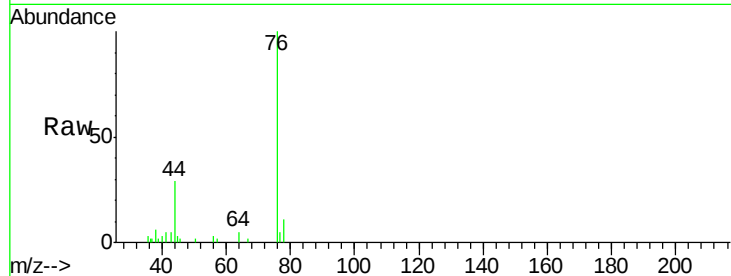
CIW-6S-(0-4)

Tot Ion: 76 Resp: 5394

Ion Ratio Lower Upper

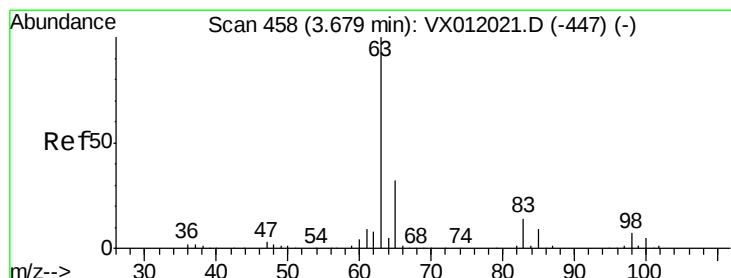
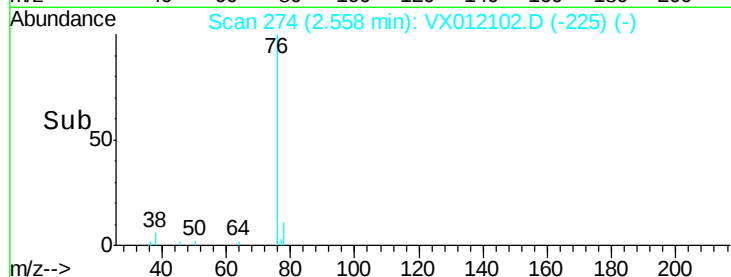
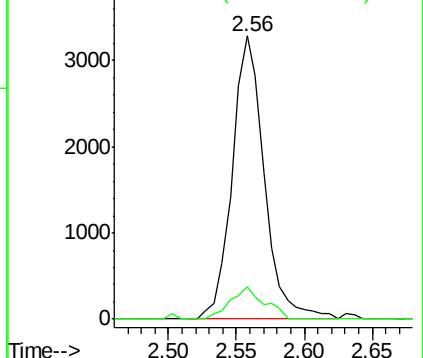
76 100

78 11.4 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#24

1,1-Dichloroethane

Concen: 1.601 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.01 min

Lab File: VX012102.D

Acq: 05 Sep 2019 15:47

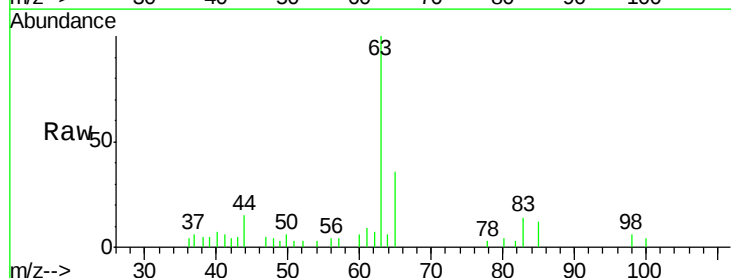
Tgt Ion: 63 Resp: 5301

Ion Ratio Lower Upper

63 100

98 5.9 3.9 11.7

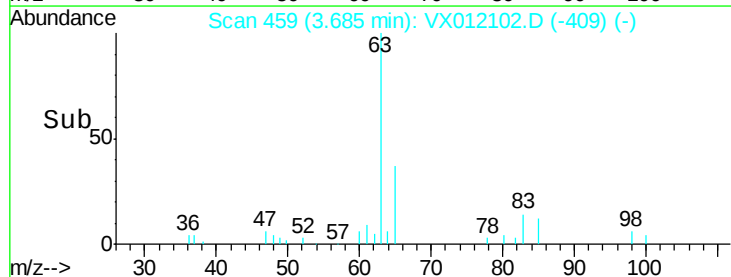
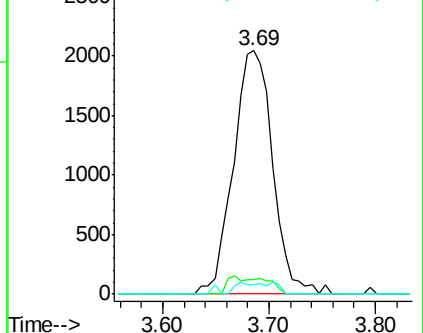
100 4.0 2.5 7.4

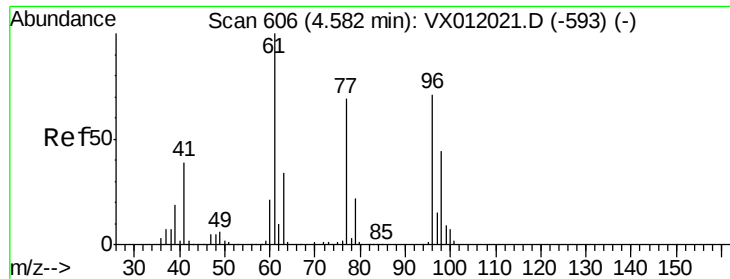


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



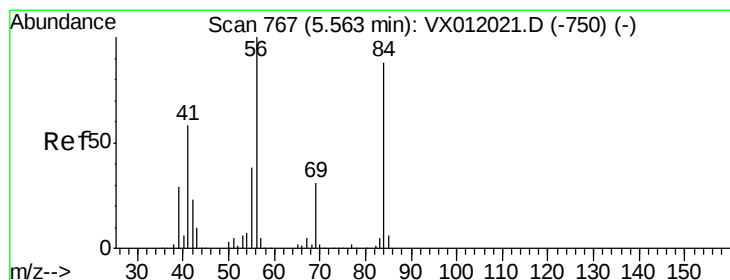
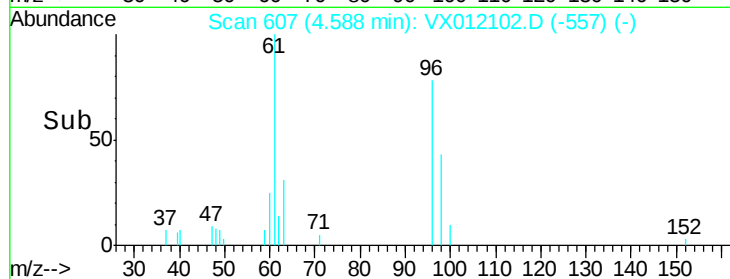
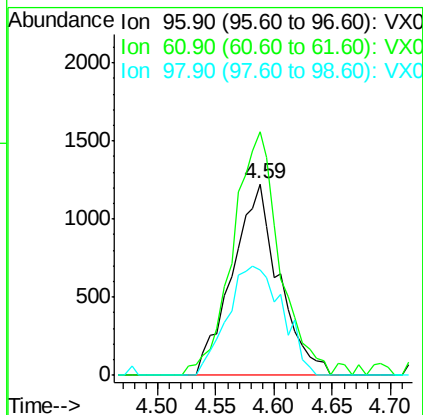
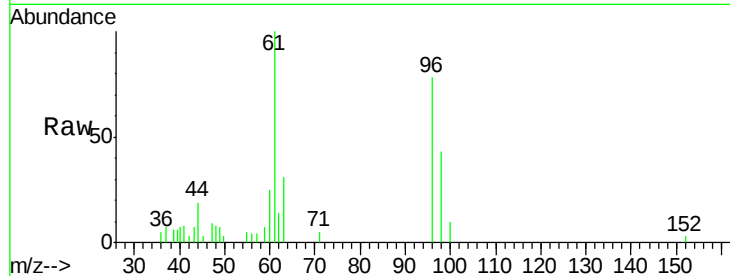


#27

cis-1,2-Dichloroethene
 Concen: 1.605 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012102.D
 Acq: 05 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 CIW-6S-(0-4)

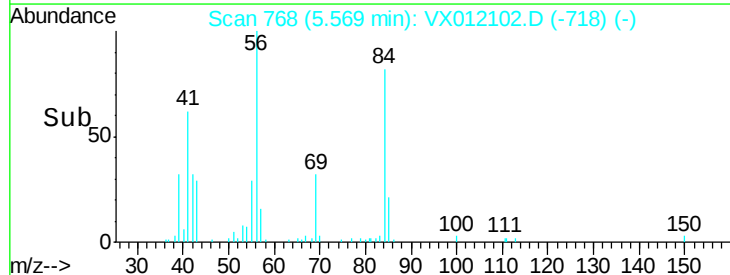
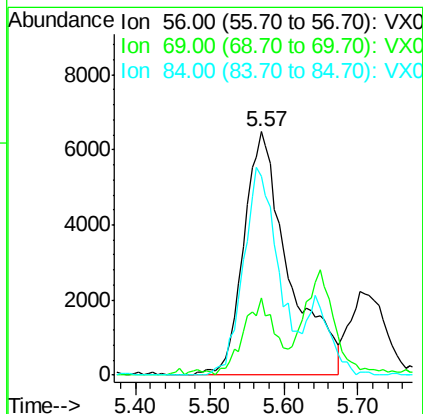
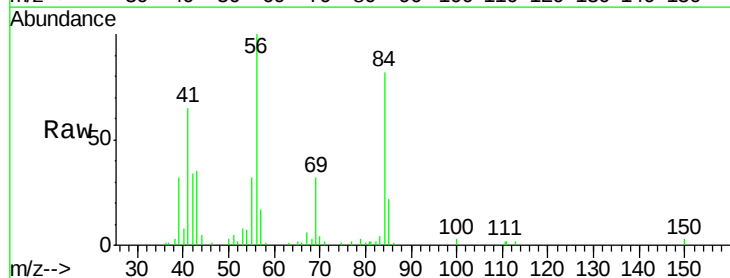
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	0.0	277.0
98	67.1	0.0	128.4

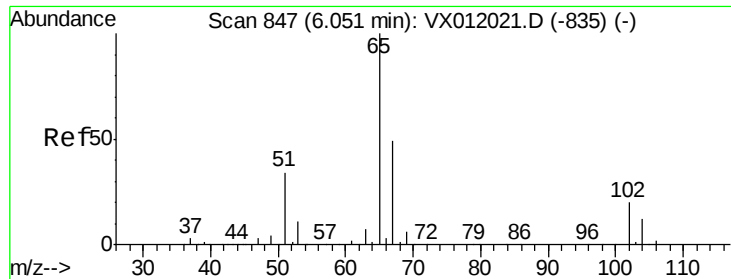


#31

Cyclohexane
 Concen: 10.308 ug/l
 RT: 5.57 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VX012102.D
 Acq: 05 Sep 2019 15:47

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.7	38.5
84	81.9	70.3	105.5

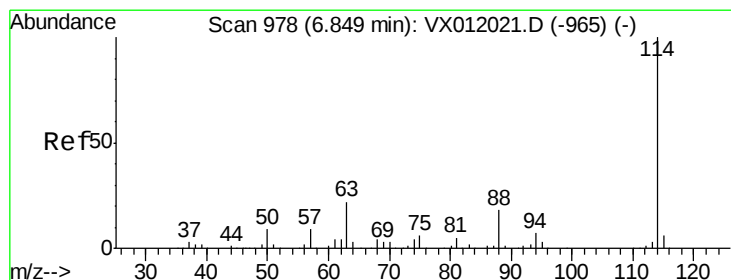
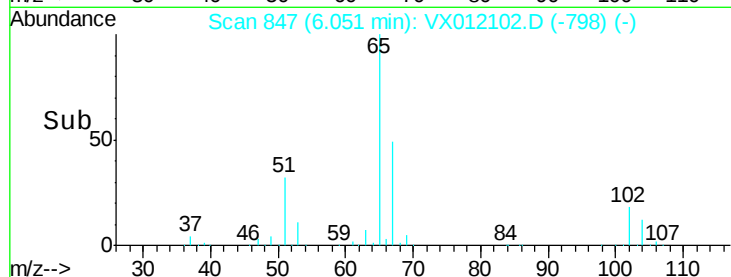
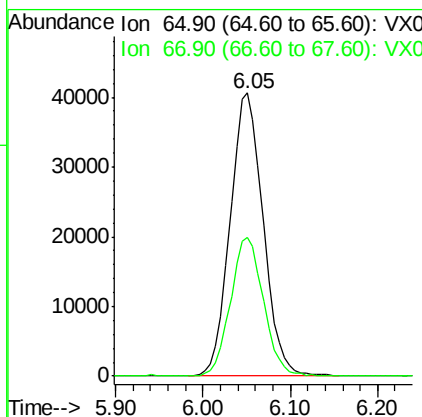
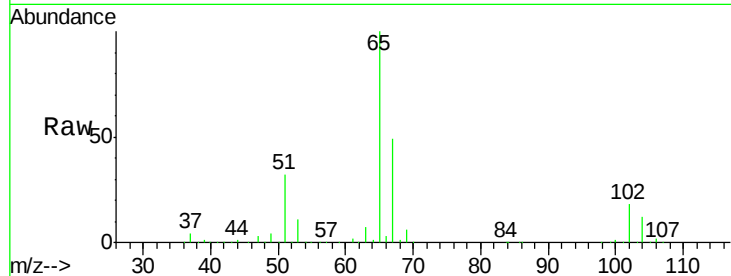




#33
 1,2-Dichloroethane-d4
 Concen: 49.190 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012102.D
 Acq: 05 Sep 2019 15:47

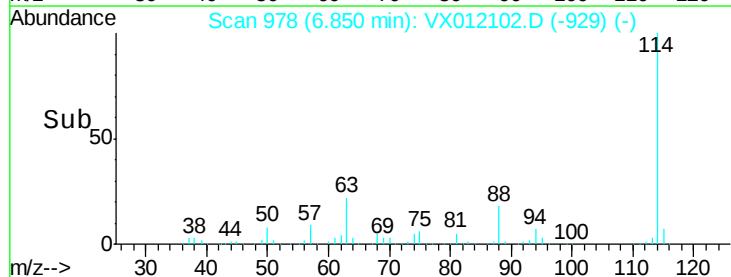
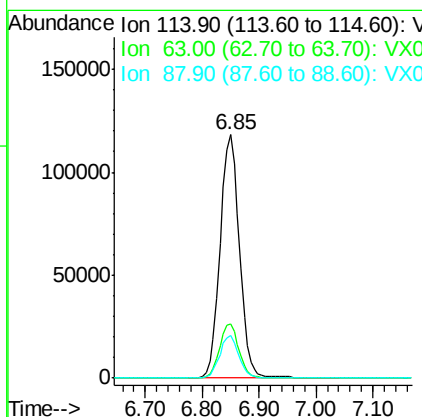
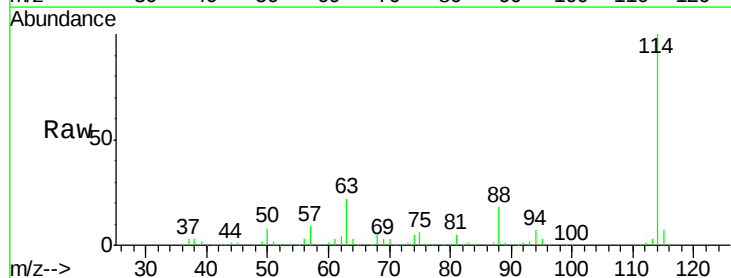
Instrument :
 MSVOA_X
 ClientSampleId :
 CIW-6S-(0-4)

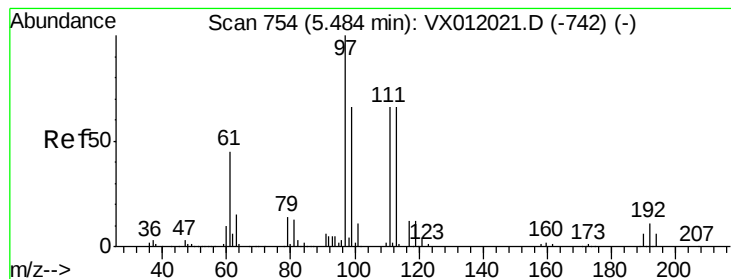
Tot Ion: 65 Resp: 106691
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012102.D
 Acq: 05 Sep 2019 15:47

Tgt Ion: 114 Resp: 279724
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 37.4
 88 17.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 46.678 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012102.D

Acq: 05 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

CIW-6S-(0-4)

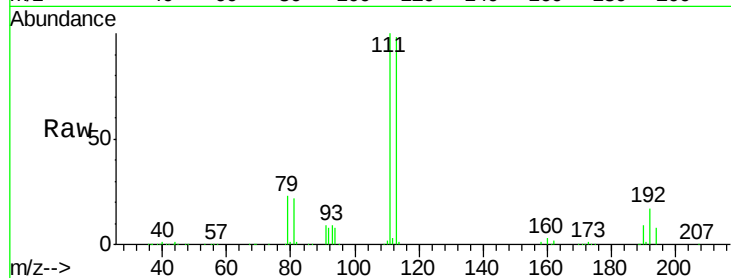
Tot Ion:113 Resp: 80297

Ion Ratio Lower Upper

113 100

111 102.0 81.7 122.5

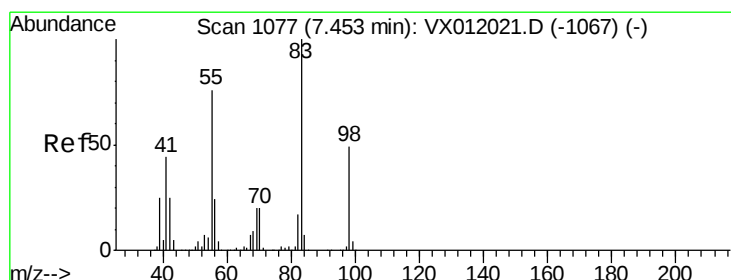
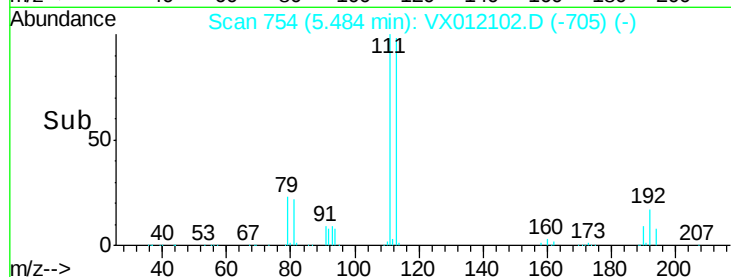
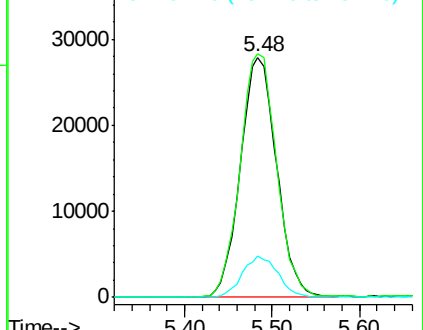
192 16.9 22.5 33.7#



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



#39

Methylcyclohexane

Concen: 14.286 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VX012102.D

Acq: 05 Sep 2019 15:47

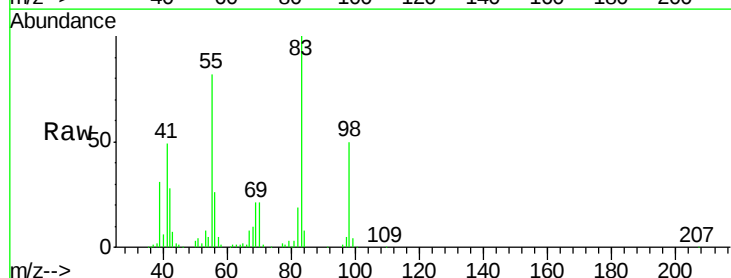
Tgt Ion: 83 Resp: 40849

Ion Ratio Lower Upper

83 100

55 81.1 59.6 89.4

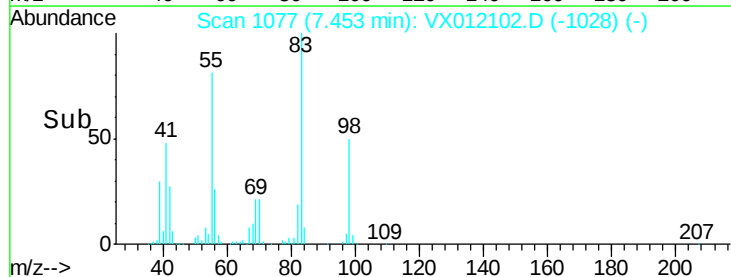
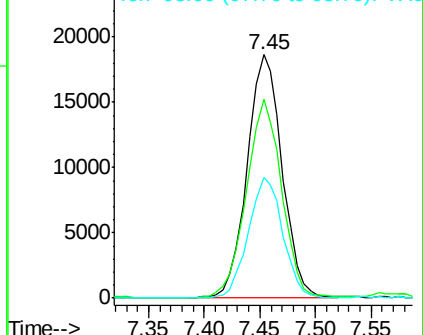
98 49.8 41.4 62.0

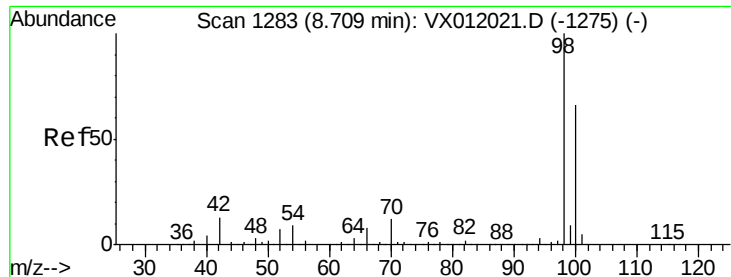


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

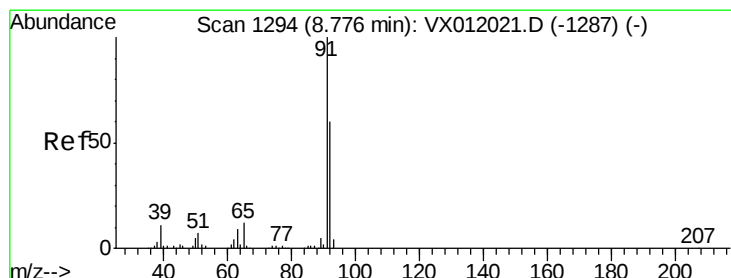
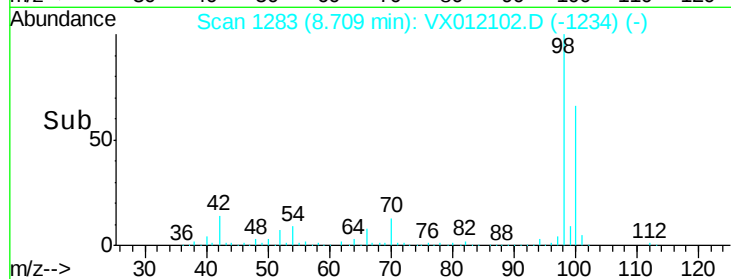
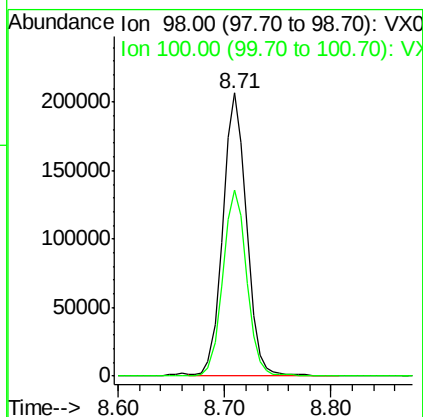
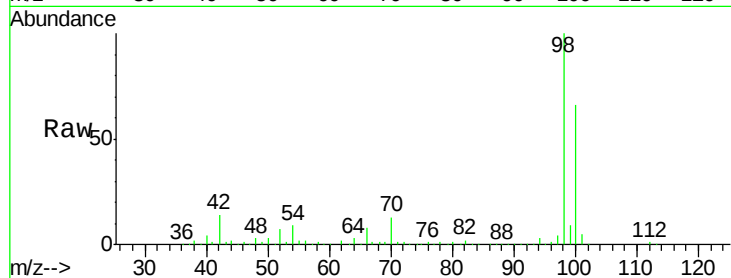




#50
Toluene-d8
Concen: 50.624 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012102.D
Acq: 05 Sep 2019 15:47

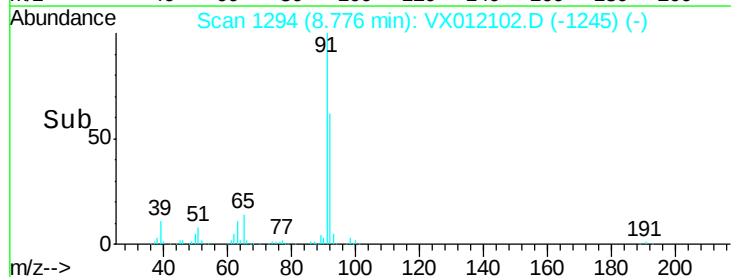
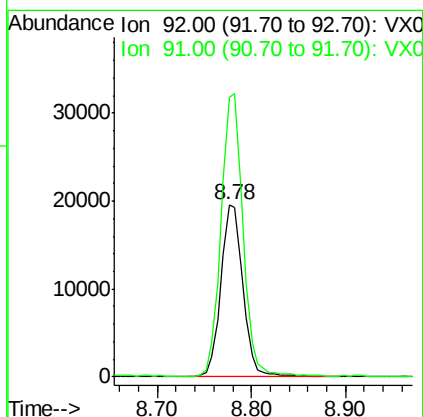
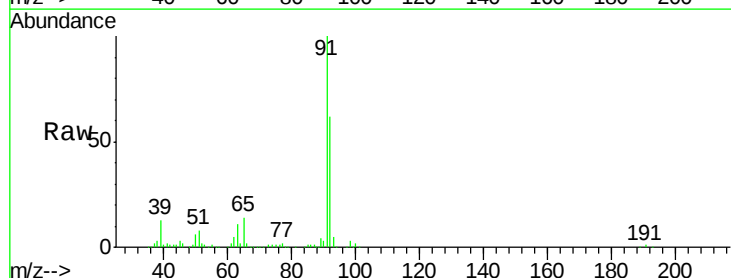
Instrument :
MSVOA_X
ClientSampleId :
CIW-6S-(0-4)

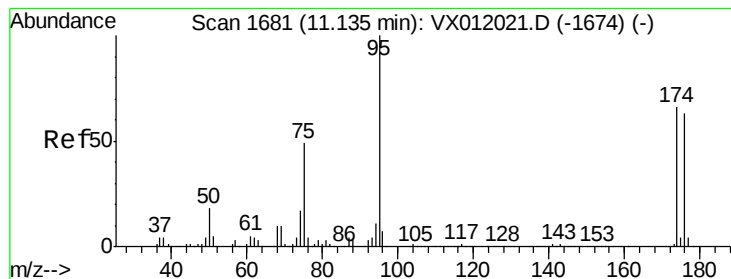
Tot Ion: 98 Resp: 319560
Ion Ratio Lower Upper
98 100
100 67.1 53.3 79.9



#52
Toluene
Concen: 6.931 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012102.D
Acq: 05 Sep 2019 15:47

Tgt Ion: 92 Resp: 31897
Ion Ratio Lower Upper
92 100
91 163.9 136.0 204.0





#62

4-Bromofluorobenzene

Concen: 39.357 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012102.D

Acq: 05 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

CIW-6S-(0-4)

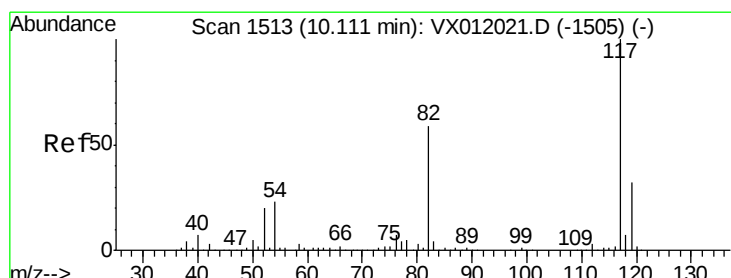
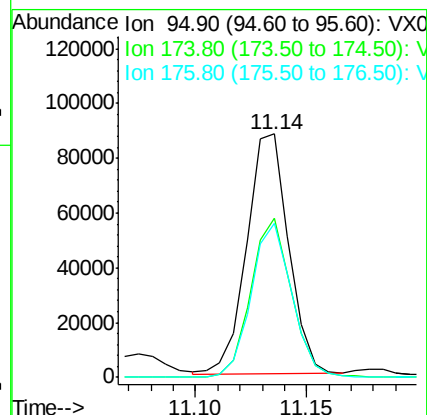
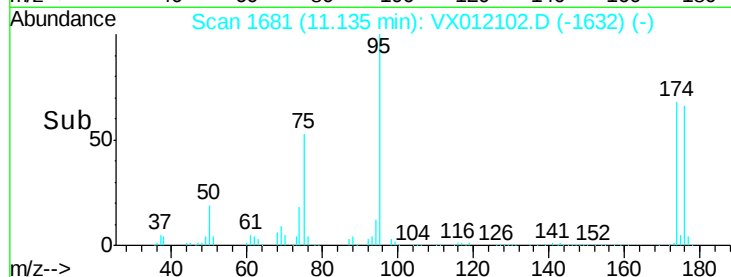
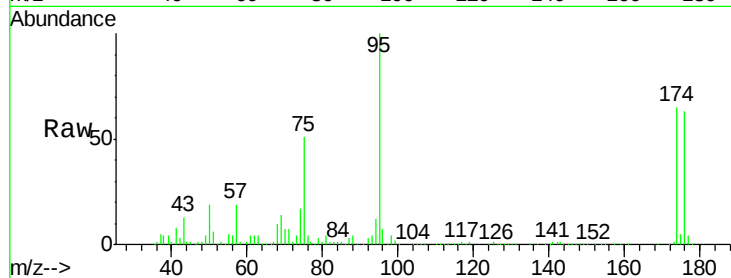
Tot Ion: 95 Resp: 115539

Ion Ratio Lower Upper

95 100

174 64.3 0.0 205.4

176 62.2 0.0 201.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012102.D

Acq: 05 Sep 2019 15:47

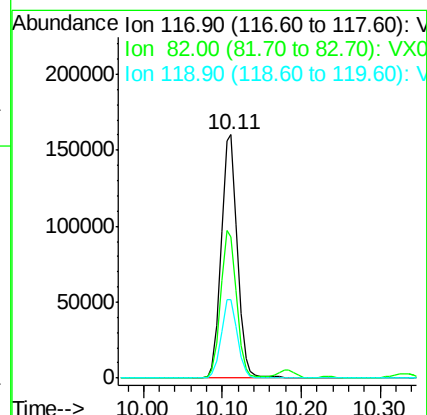
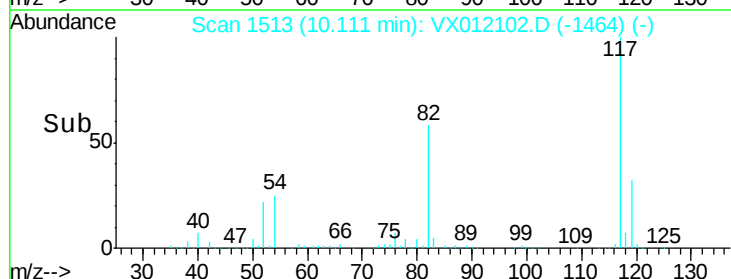
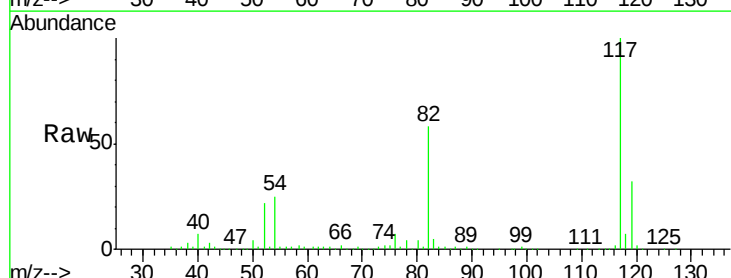
Tgt Ion: 117 Resp: 228734

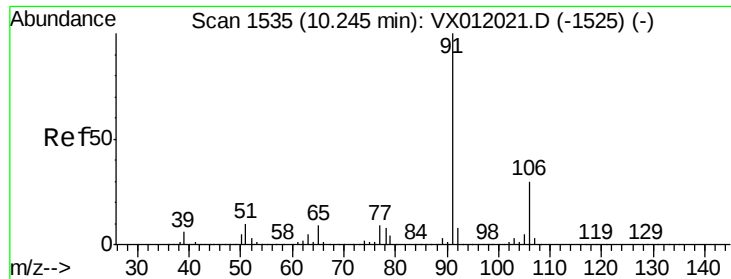
Ion Ratio Lower Upper

117 100

82 57.8 39.4 59.0

119 32.5 26.1 39.1

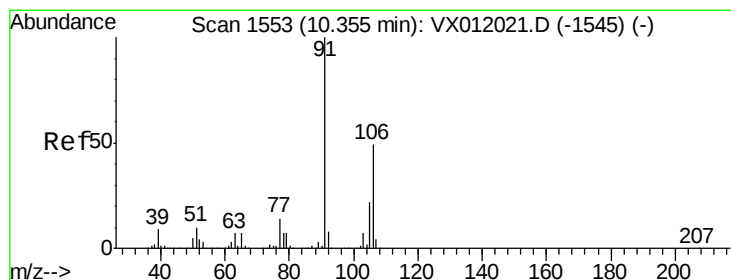
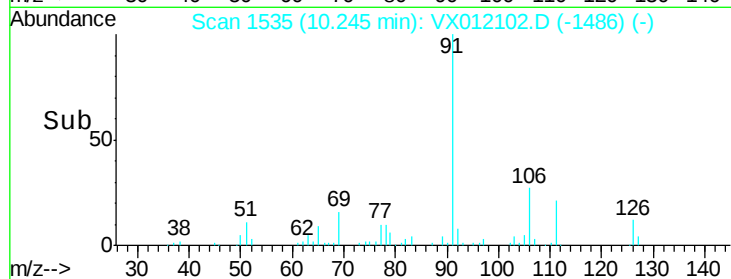
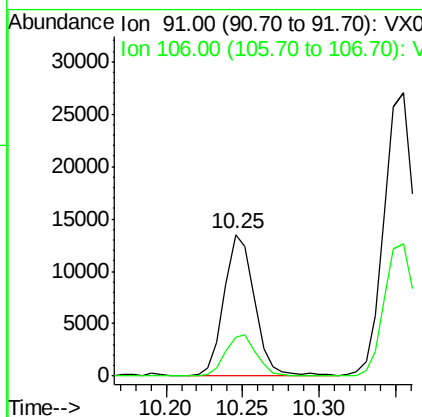
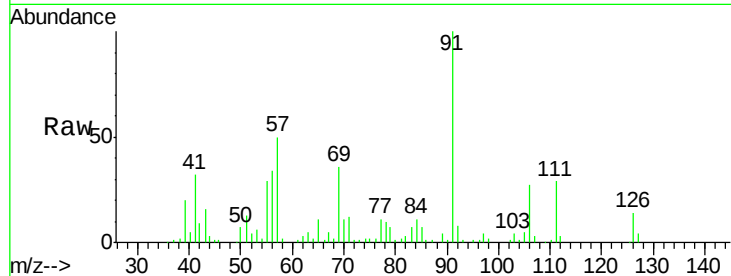




#67
Ethyl Benzene
Concen: 2.294 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012102.D
Acq: 05 Sep 2019 15:47

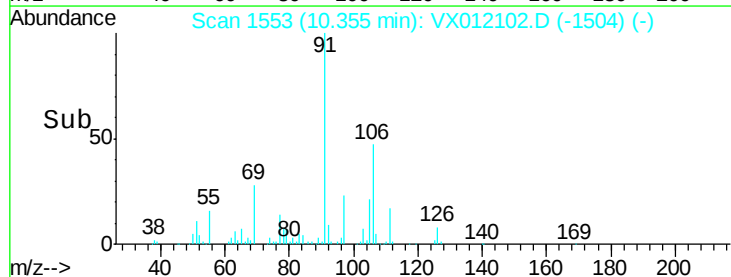
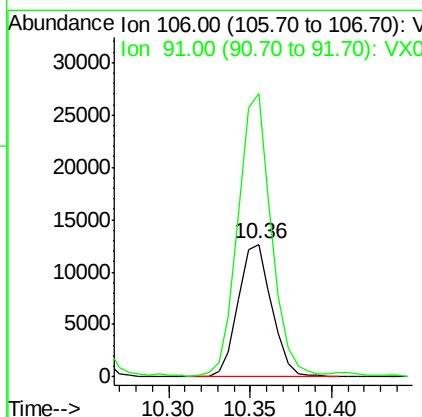
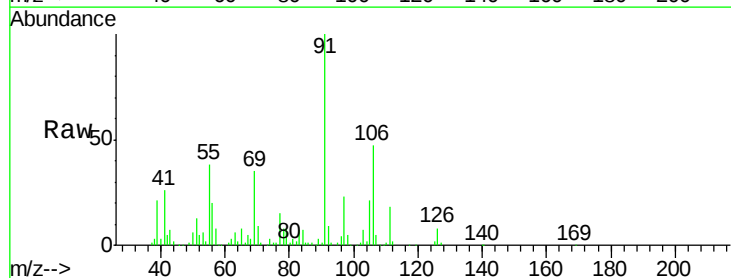
Instrument :
MSVOA_X
ClientSampleId :
CIW-6S-(0-4)

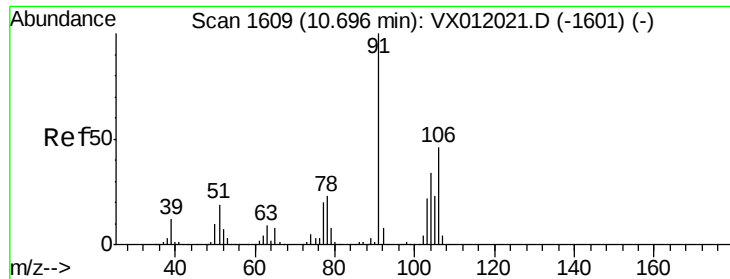
Tot Ion: 91 Resp: 18868
Ion Ratio Lower Upper
91 100
106 27.5 25.8 38.8



#68
m/p-Xylenes
Concen: 6.013 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012102.D
Acq: 05 Sep 2019 15:47

Tgt Ion: 106 Resp: 18226
Ion Ratio Lower Upper
106 100
91 210.3 157.5 236.3

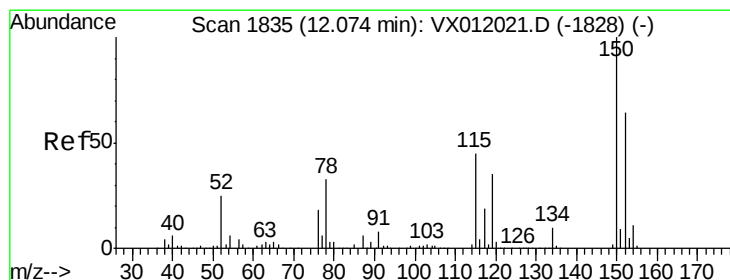
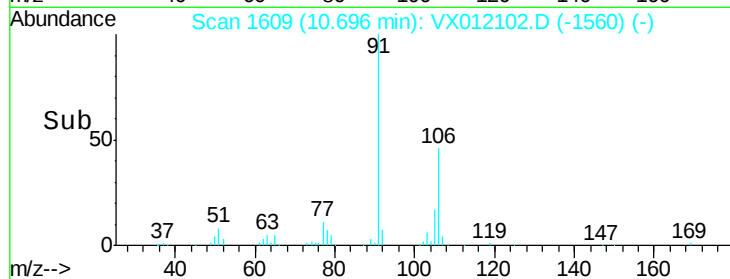
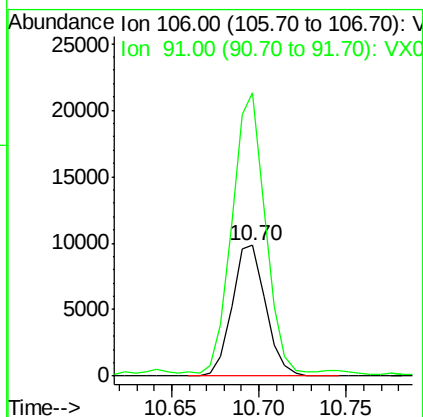
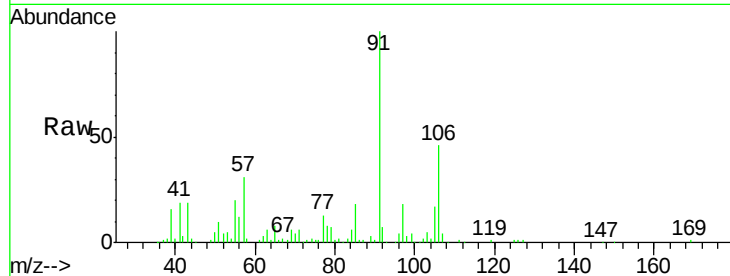




#69
o-Xylene
Concen: 4.458 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012102.D
Acq: 05 Sep 2019 15:47

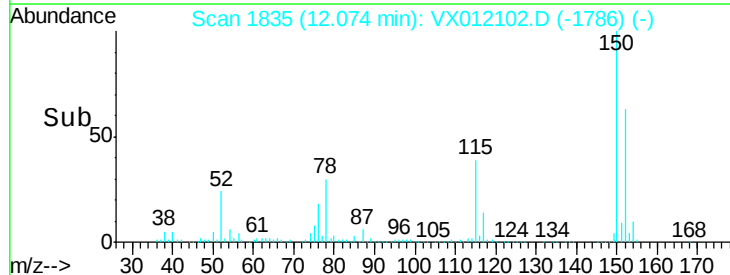
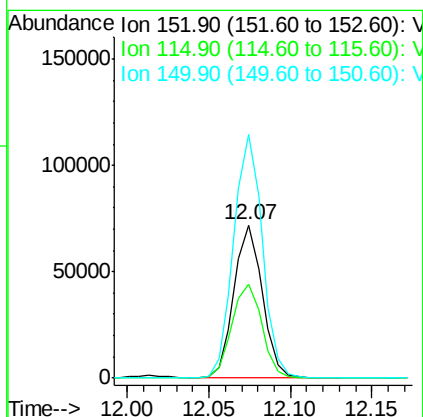
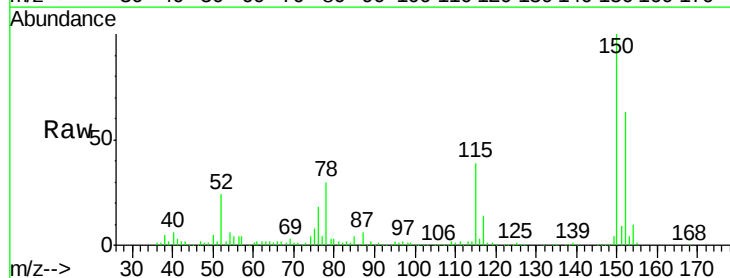
Instrument :
MSVOA_X
ClientSampleId :
CIW-6S-(0-4)

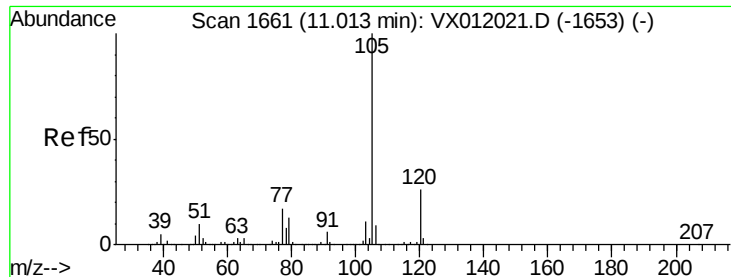
Tot Ion:106 Resp: 13102
Ion Ratio Lower Upper
106 100
91 209.8 103.5 310.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012102.D
Acq: 05 Sep 2019 15:47

Tgt Ion:152 Resp: 87454
Ion Ratio Lower Upper
152 100
115 64.7 36.4 109.3
150 160.6 0.0 341.2





#73

Isopropylbenzene

Concen: 1.164 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012102.D

Acq: 05 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

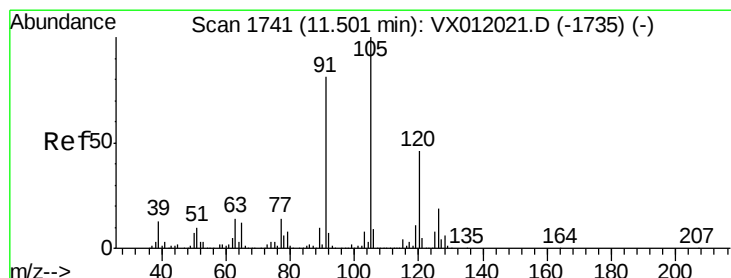
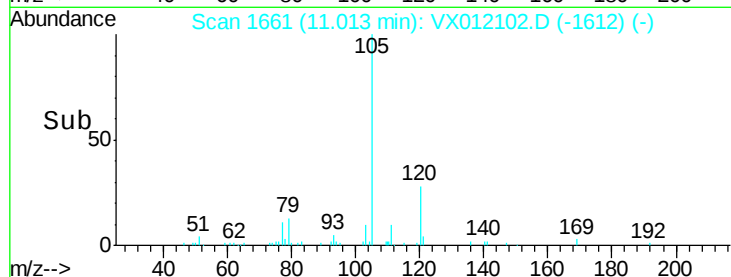
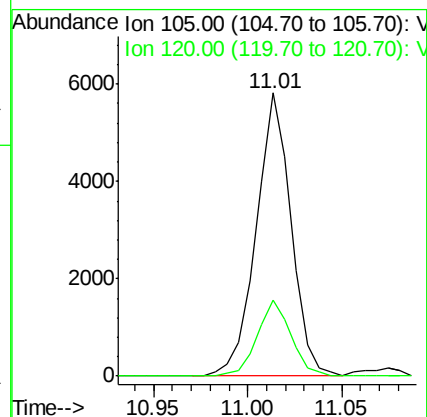
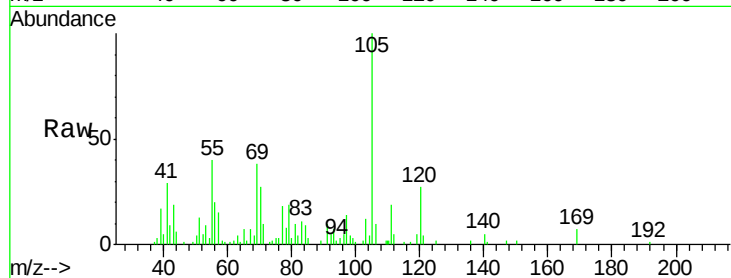
CIW-6S-(0-4)

Tot Ion:105 Resp: 7469

Ion Ratio Lower Upper

105 100

120 25.8 13.9 41.6



#80

1,3,5-Trimethylbenzene

Concen: 1.947 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012102.D

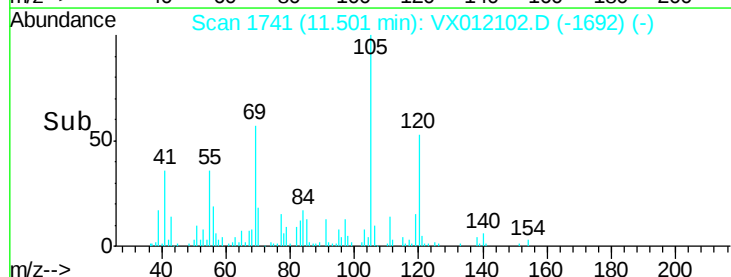
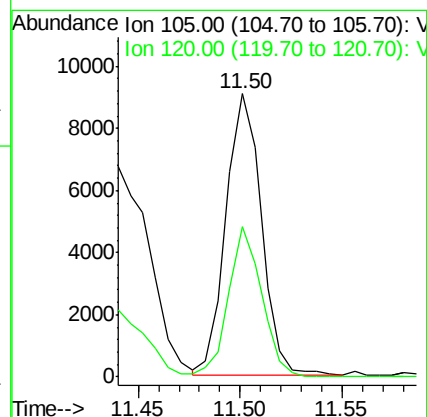
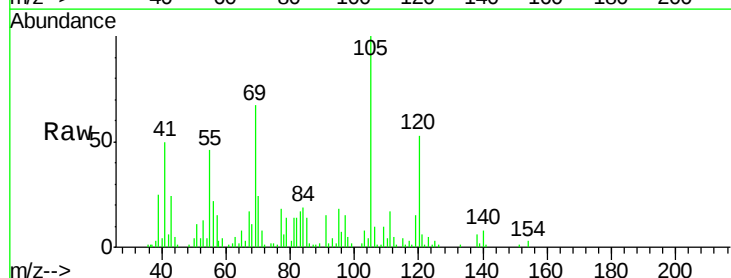
Acq: 05 Sep 2019 15:47

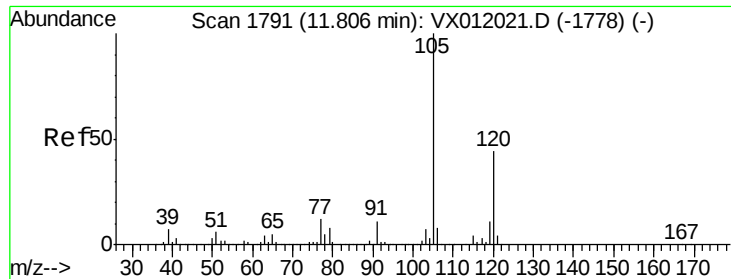
Tgt Ion:105 Resp: 10947

Ion Ratio Lower Upper

105 100

120 49.9 25.8 77.3





#84
 1,2,4-Trimethylbenzene
 Concen: 2.616 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012102.D
 Acq: 05 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 CIW-6S-(0-4)

Tot Ion:105 Resp: 15117
 Ion Ratio Lower Upper
 105 100
 120 41.7 23.6 70.8

