

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022420\
 Data File : VX015002.D
 Acq On : 24 Feb 2020 11:57
 Operator : JC/SP
 Sample : L1583-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40708DL

Quant Time: Feb 25 01:01:36 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	432706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	672108	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	645185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	337990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	239990	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
35) Dibromofluoromethane	5.49	113	203359	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	8.71	98	822368	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.13	95	307220	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	

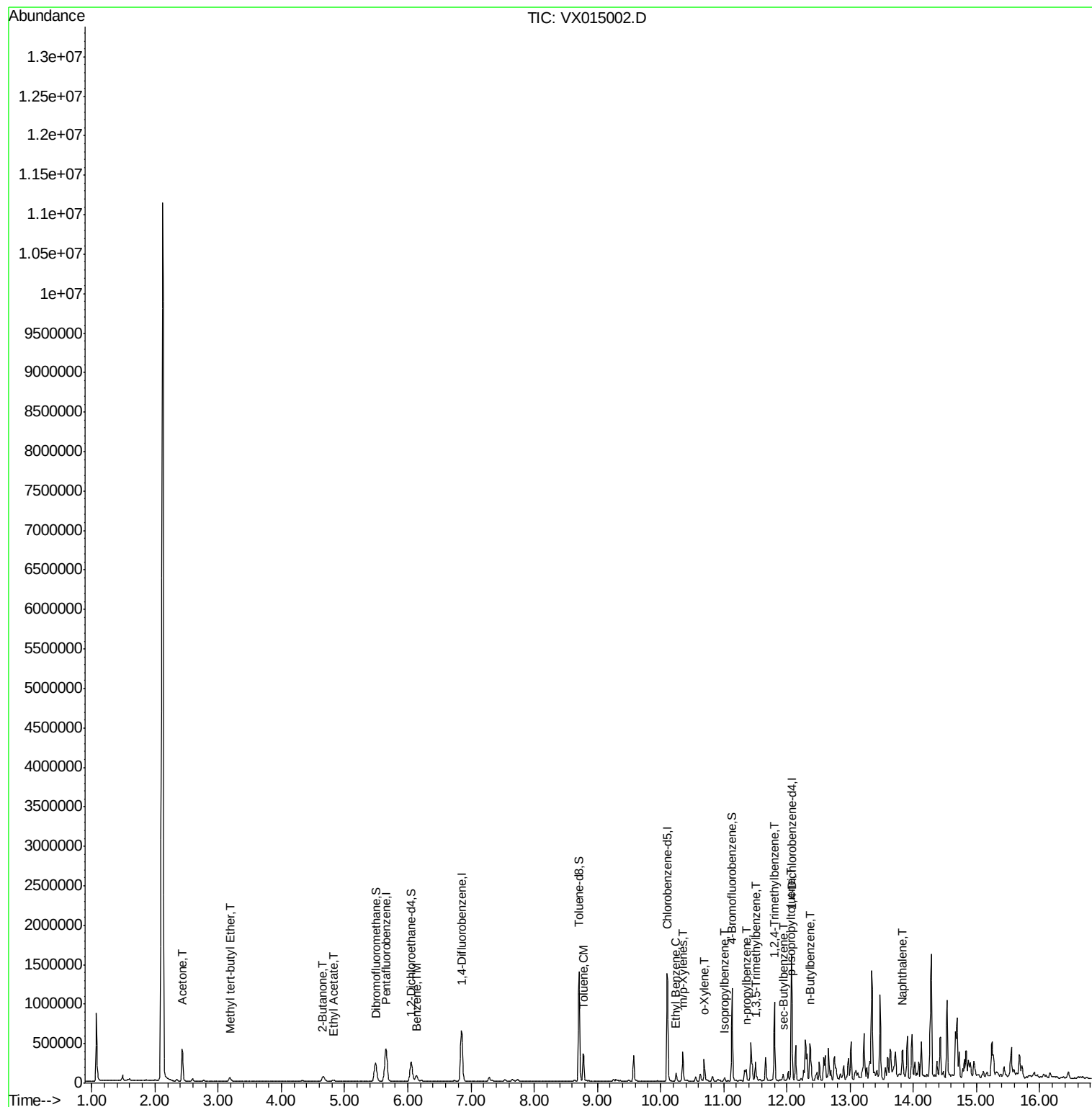
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	414452	153.787	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	54080	4.190	ug/l	98
25) 2-Butanone	4.65	43	100931	30.359	ug/l	95
37) Ethyl Acetate	4.83	43	23698	3.779	ug/l	96
40) Benzene	6.14	78	89960	5.008	ug/l	99
52) Toluene	8.78	92	126266	11.067	ug/l	98
67) Ethyl Benzene	10.25	91	60234	2.706	ug/l	100
68) m/p-Xylenes	10.35	106	90839	10.595	ug/l	99
69) o-Xylene	10.70	106	62201	7.547	ug/l	97
73) Isopropylbenzene	11.01	105	21917	1.034	ug/l	98
78) n-propylbenzene	11.35	91	78306	3.194	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	96651	5.457	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	439032	24.599	ug/l	100
85) sec-Butylbenzene	11.94	105	39144	1.879	ug/l	88
86) p-Isopropyltoluene	12.06	119	25896	1.328	ug/l	91
89) n-Butylbenzene	12.38	91	85791	4.913	ug/l #	45
95) Naphthalene	13.83	128	233527	11.433	ug/l	99

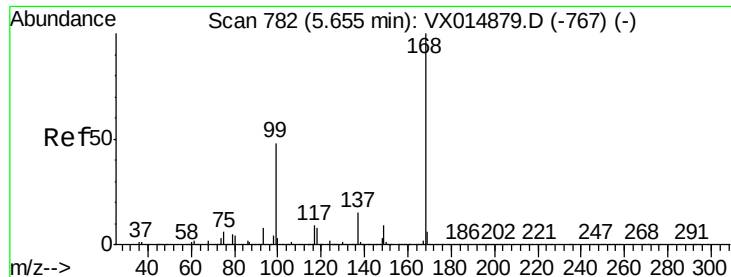
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 10 12:09:20 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

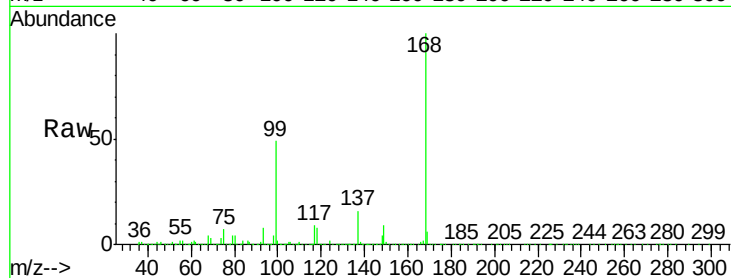
40708DL

Tot Ion:168 Resp: 432706

Ion Ratio Lower Upper

168 100

99 49.3 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

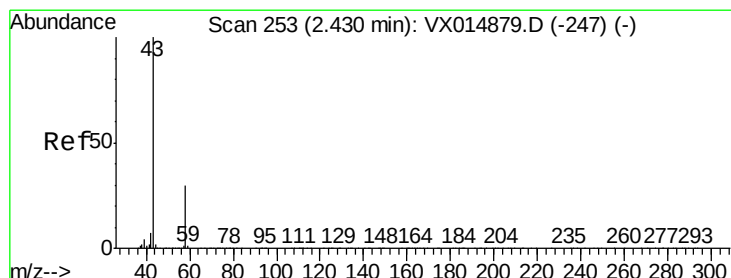
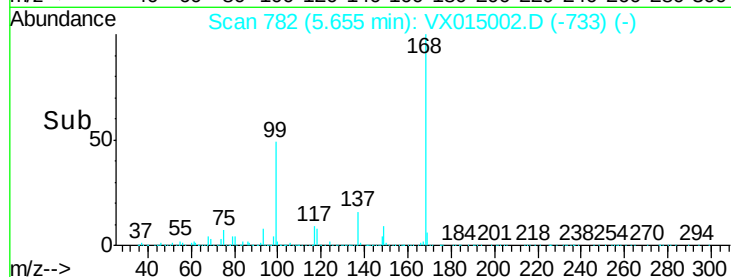
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 153.787 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015002.D

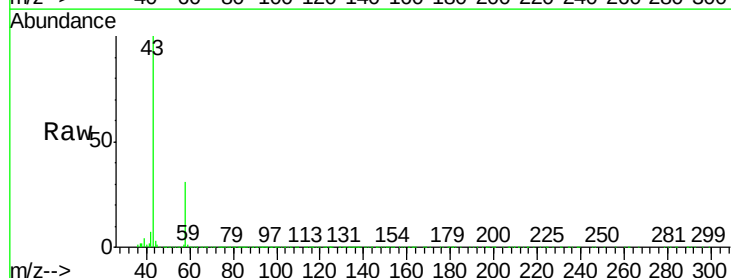
Acq: 24 Feb 2020 11:57

Tgt Ion: 43 Resp: 414452

Ion Ratio Lower Upper

43 100

58 30.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

300000

250000

200000

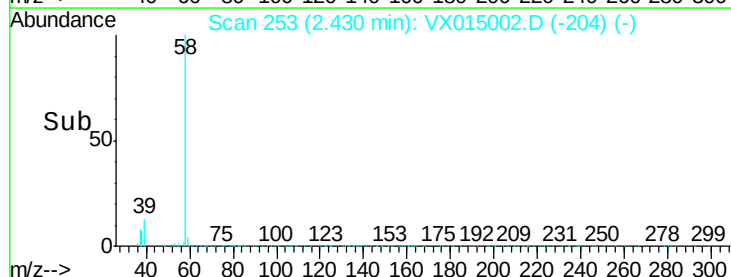
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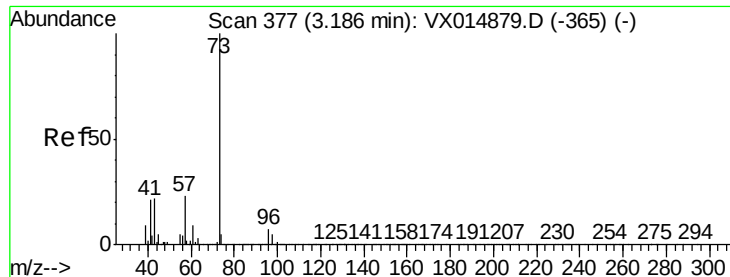
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Time-->

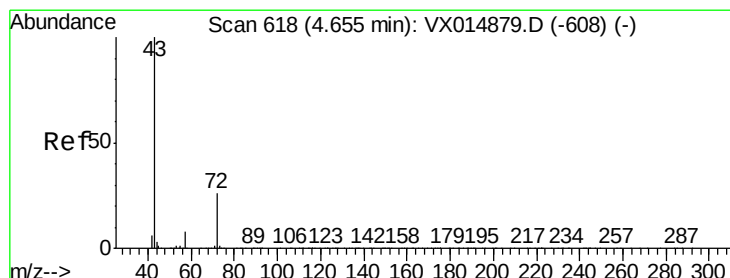
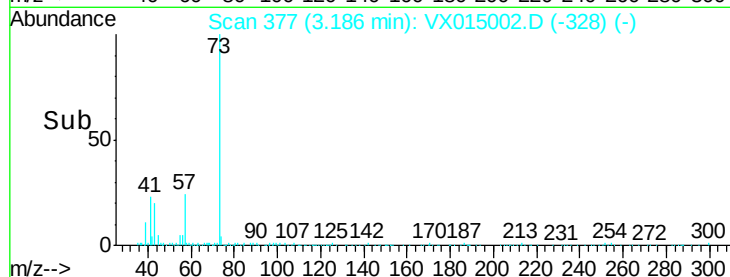
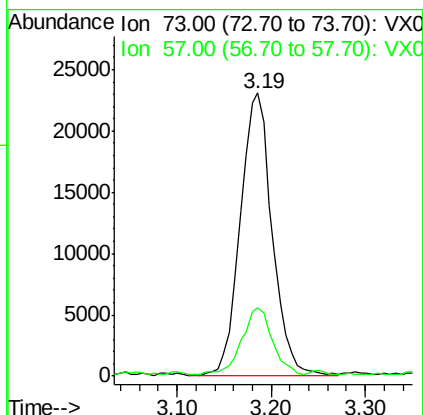
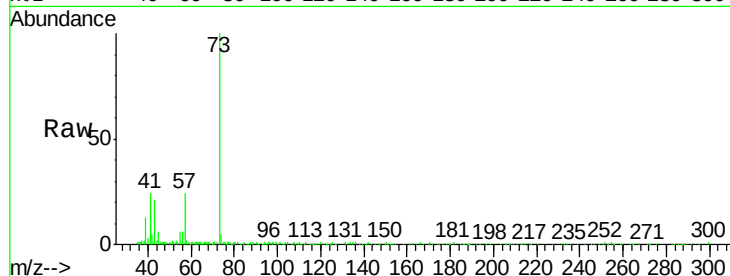




#19
Methvl tert-butvl Ether
Concen: 4.190 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

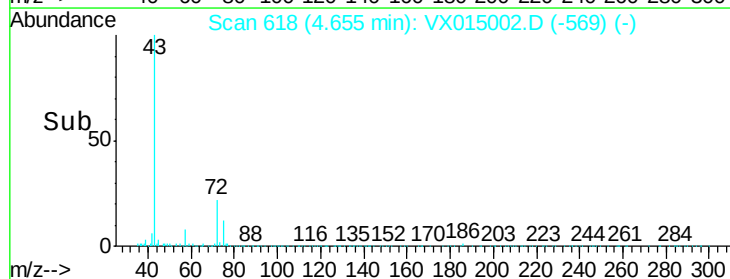
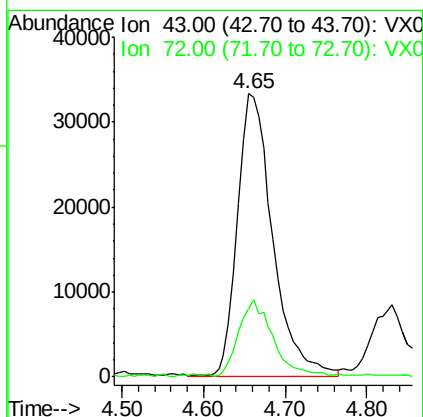
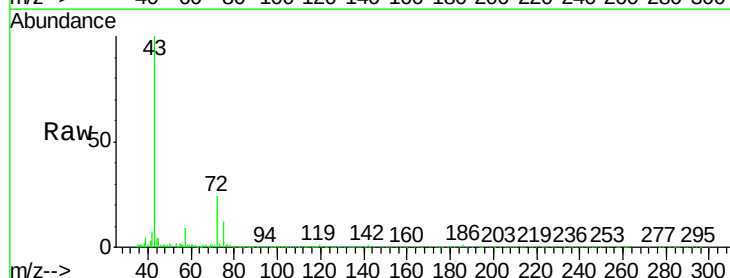
Instrument :
MSVOA_X
ClientSampled :
40708DL

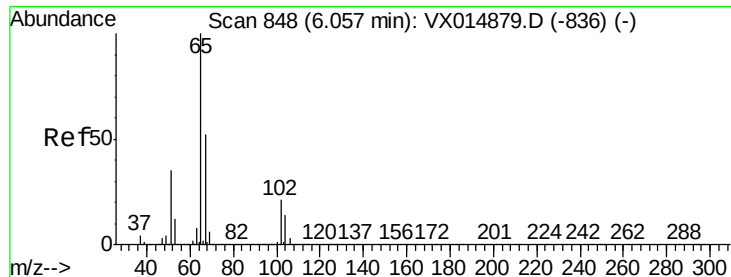
Tot Ion: 73 Resp: 54080
Ion Ratio Lower Upper
73 100
57 23.9 18.2 27.4



#25
2-Butanone
Concen: 30.359 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion: 43 Resp: 100931
Ion Ratio Lower Upper
43 100
72 23.5 21.0 31.6

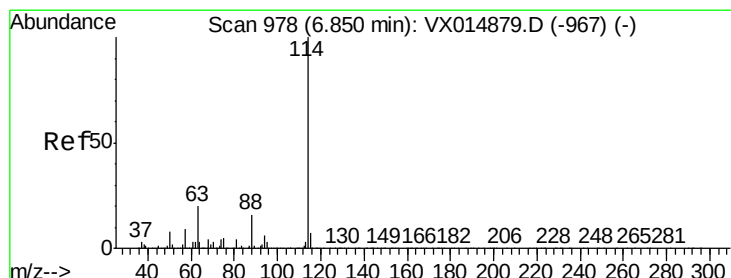
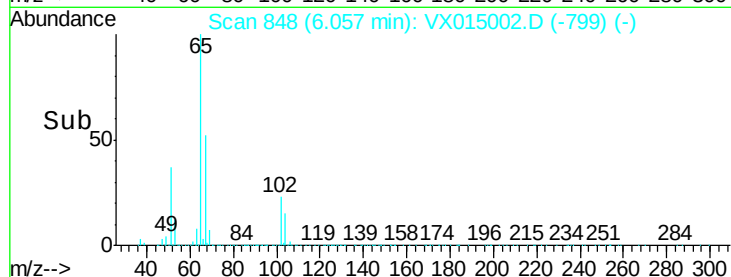
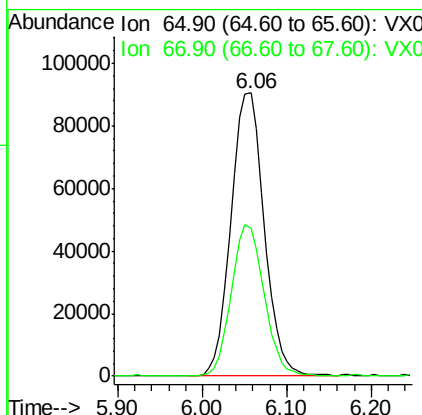
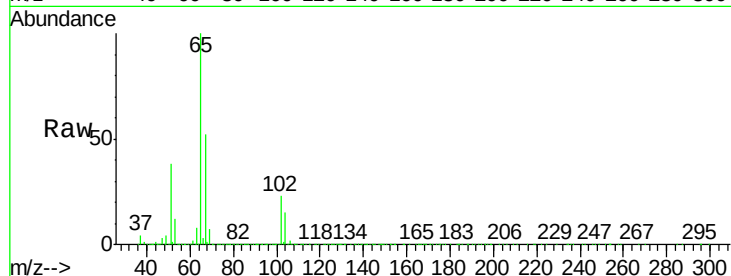




#33
 1,2-Dichloroethane-d4
 Concen: 49.144 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

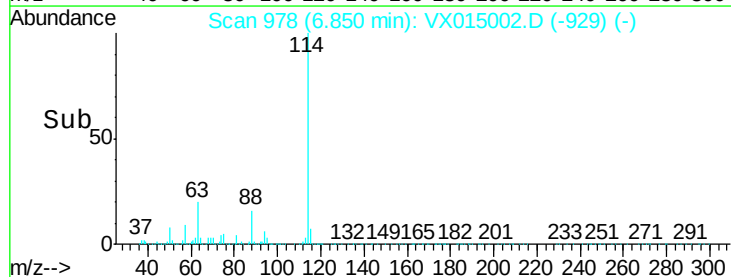
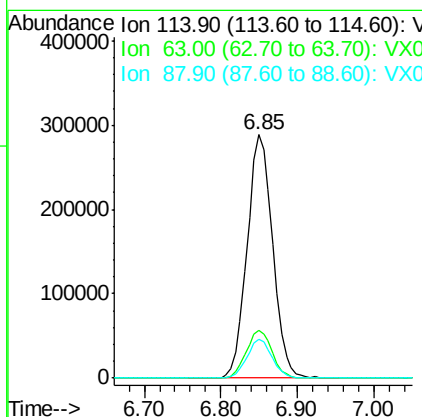
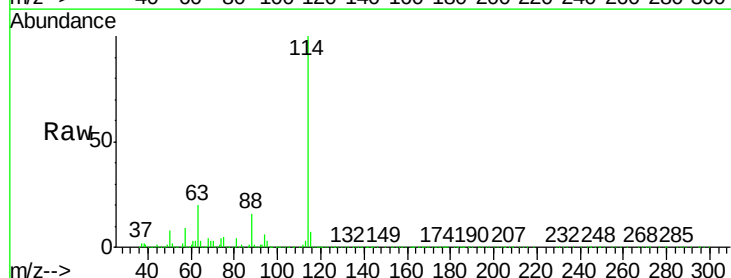
Instrument :
 MSVOA_X
 ClientSampled :
 40708DL

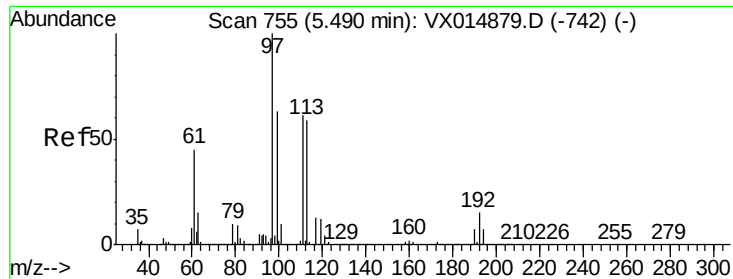
Tot Ion: 65 Resp: 239990
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

Tgt Ion: 114 Resp: 672108
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.9 0.0 32.0

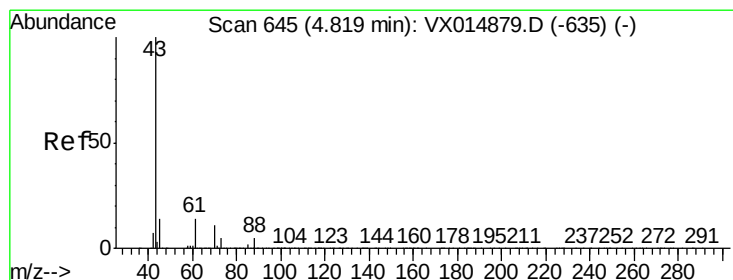
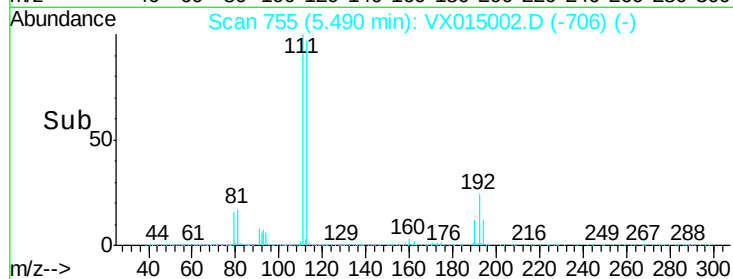
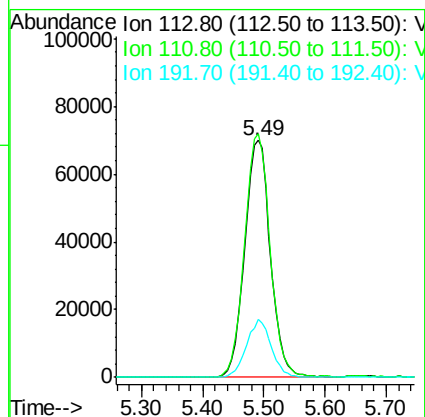
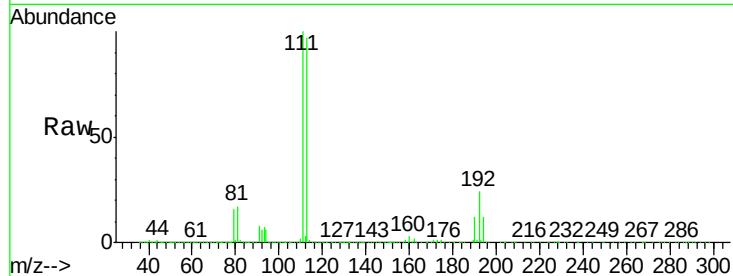




#35
 Dibromofluoromethane
 Concen: 49.216 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

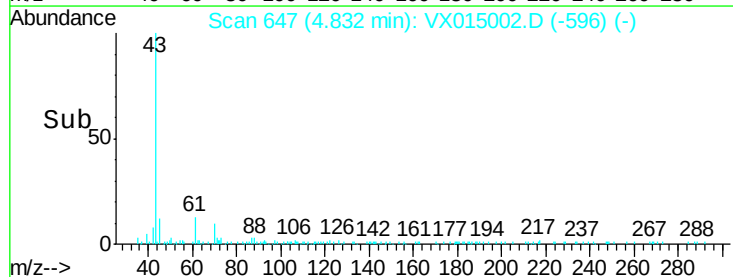
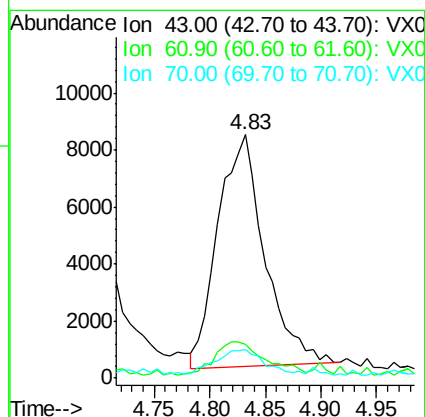
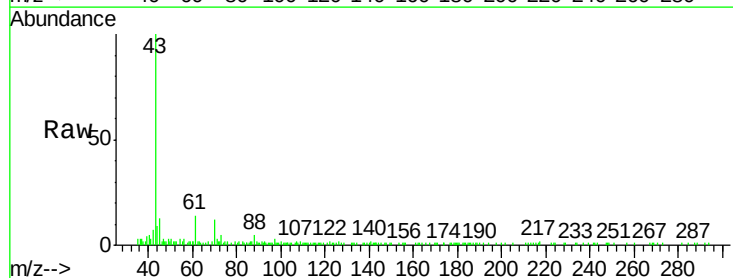
Instrument :
 MSVOA_X
 ClientSampleID :
 40708DL

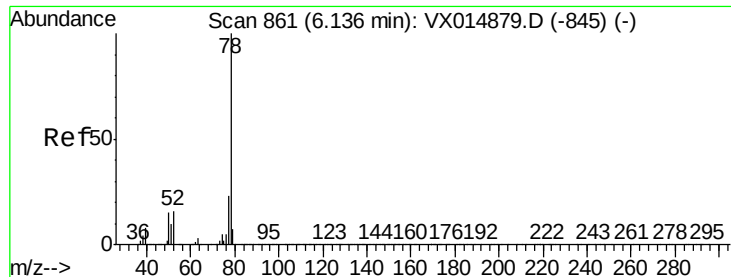
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	23.5	19.1	28.7



#37
 Ethyl Acetate
 Concen: 3.779 ug/l
 RT: 4.83 min Scan# 647
 Delta R.T. 0.01 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.9	16.3
70	12.2	8.7	13.1





#40

Benzene

Concen: 5.008 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

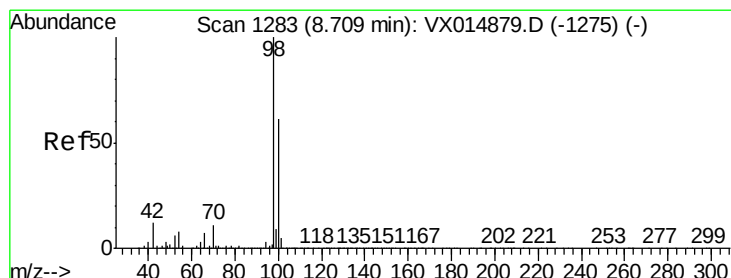
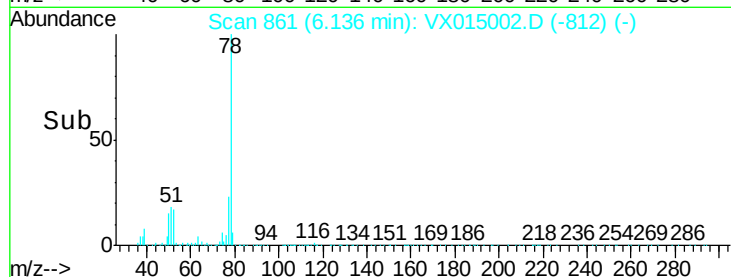
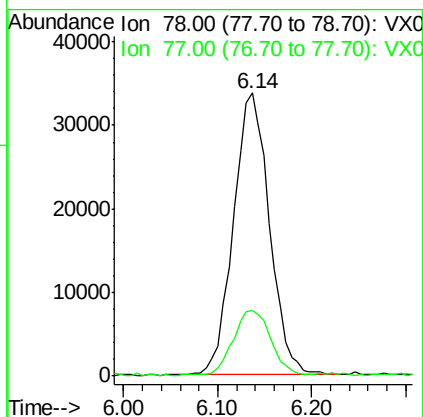
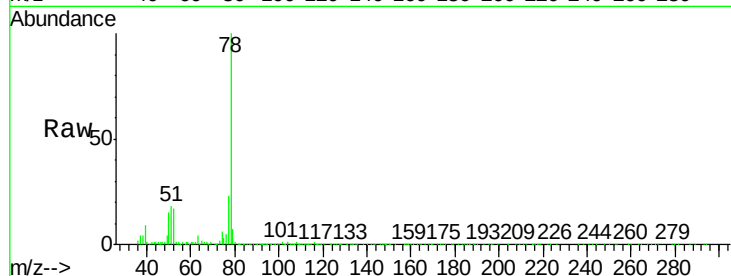
40708DL

Tot Ion: 78 Resp: 89960

Ion Ratio Lower Upper

78 100

77 22.8 18.8 28.2



#50

Toluene-d8

Concen: 52.141 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015002.D

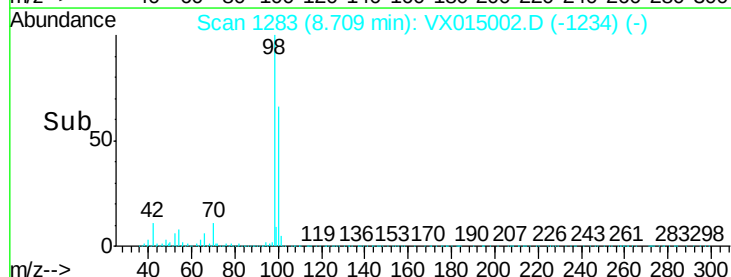
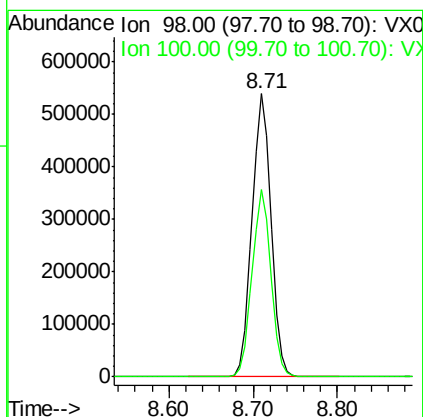
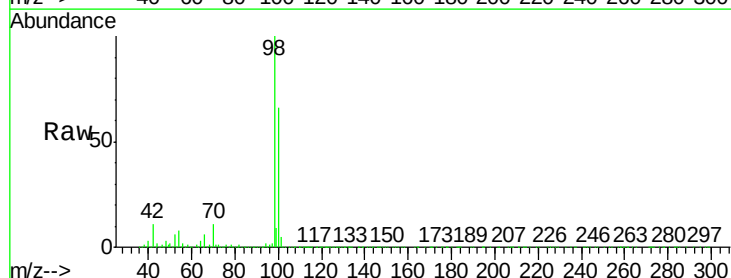
Acq: 24 Feb 2020 11:57

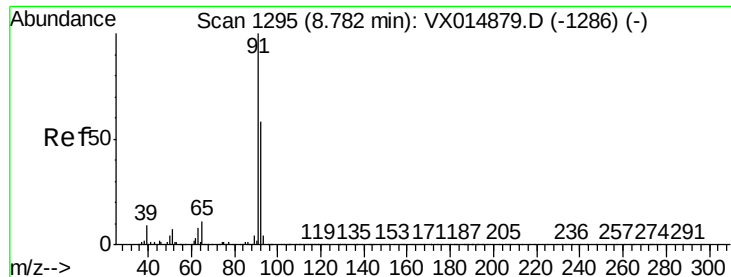
Tgt Ion: 98 Resp: 822368

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6





#52

Toluene

Concen: 11.067 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

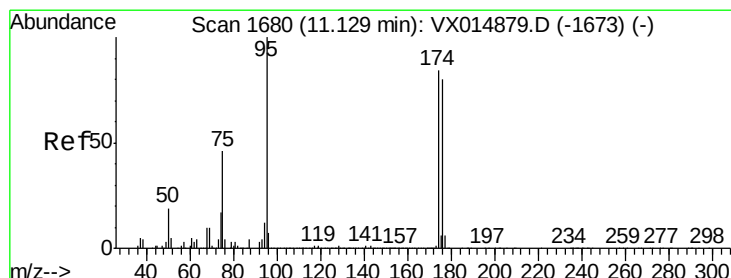
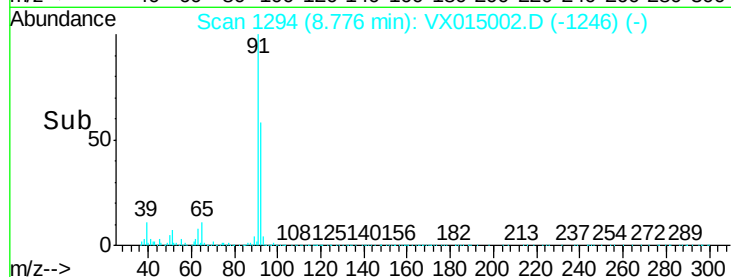
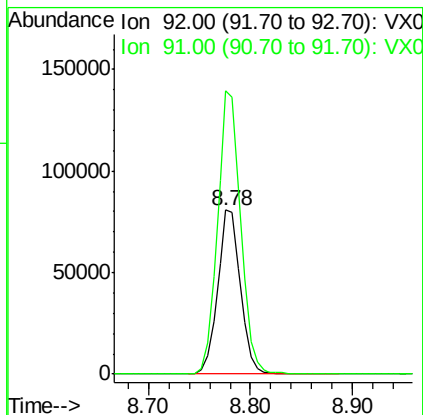
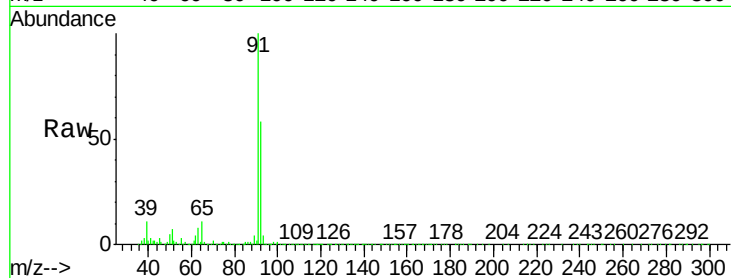
40708DL

Tot Ion: 92 Resp: 126266

Ion Ratio Lower Upper

92 100

91 173.7 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 54.073 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

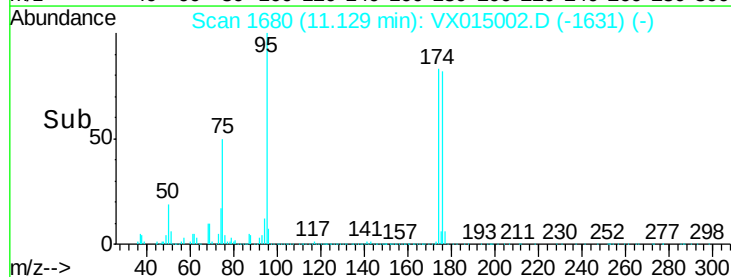
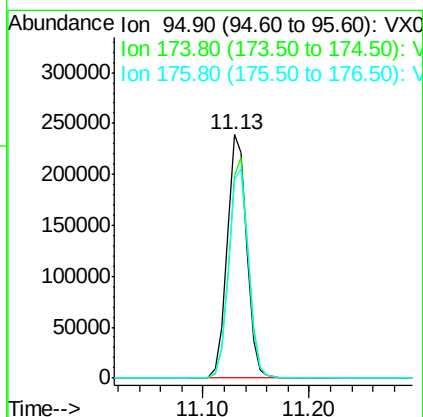
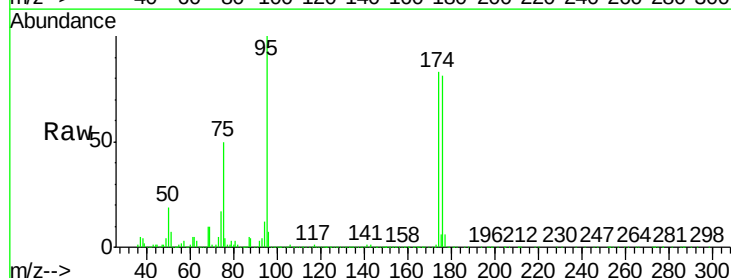
Tgt Ion: 95 Resp: 307220

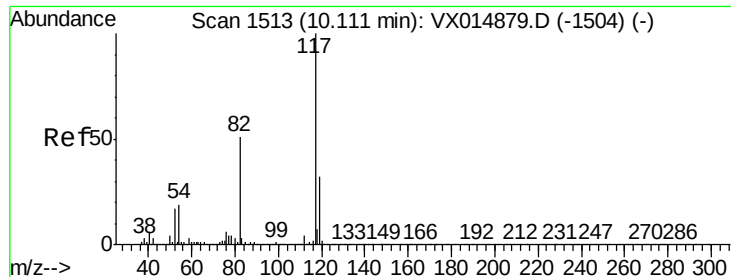
Ion Ratio Lower Upper

95 100

174 89.6 0.0 183.0

176 86.8 0.0 178.0

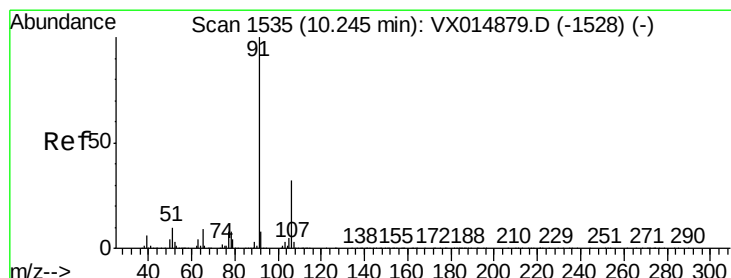
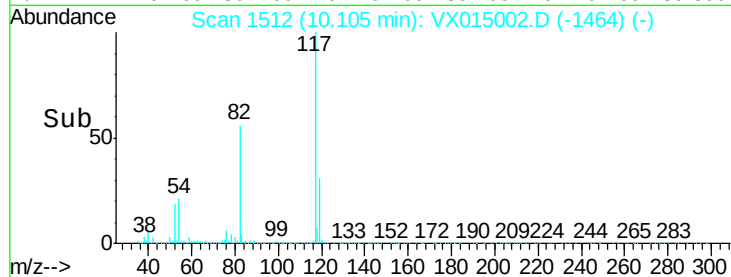
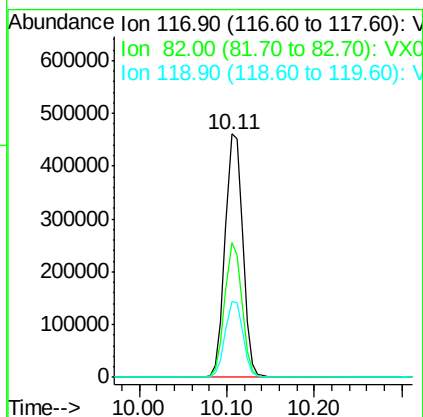
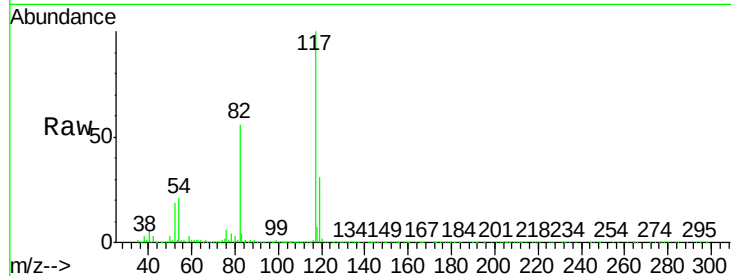




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

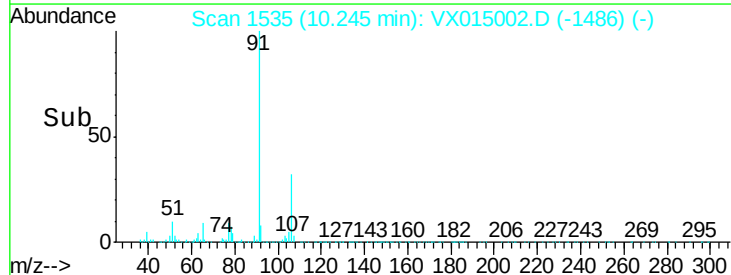
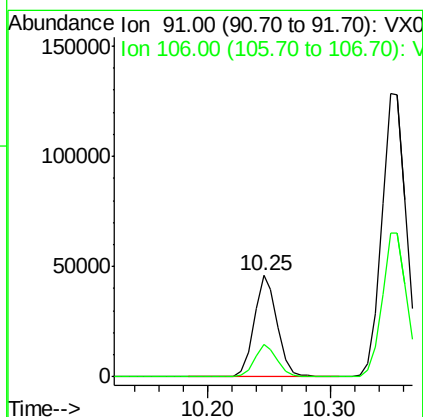
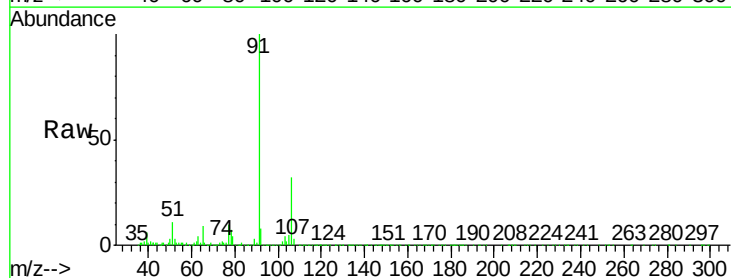
Instrument :
MSVOA_X
ClientSampleID :
40708DL

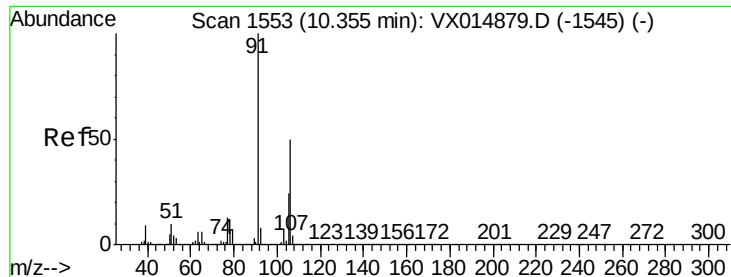
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	40.5	60.7
119	31.1	25.8	38.6



#67
Ethyl Benzene
Concen: 2.706 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.3	37.9





#68

m/p-Xylenes

Concen: 10.595 ug/l

RT: 10.35 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampleID :

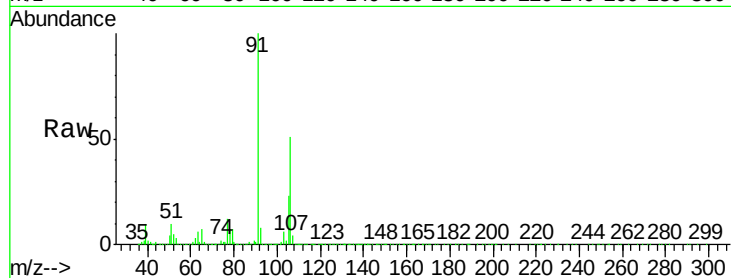
40708DL

Tot Ion:106 Resp: 90839

Ion Ratio Lower Upper

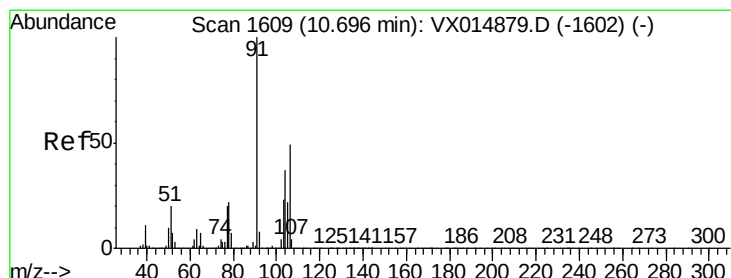
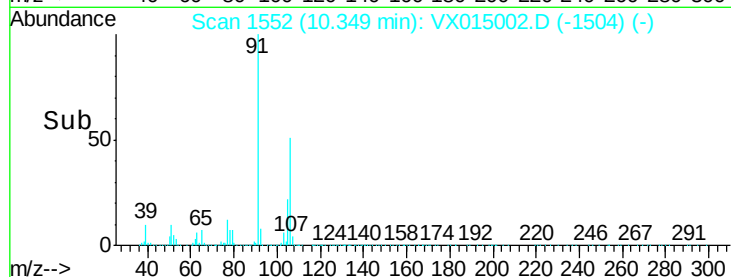
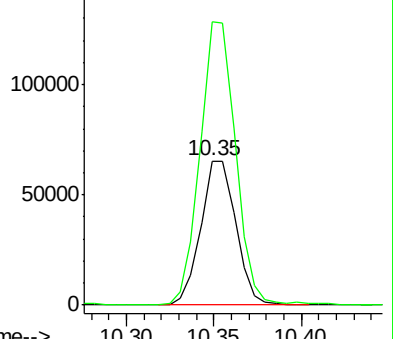
106 100

91 199.9 160.6 240.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 7.547 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX015002.D

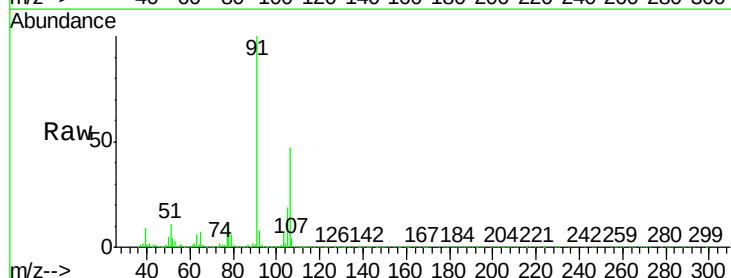
Acq: 24 Feb 2020 11:57

Tgt Ion:106 Resp: 62201

Ion Ratio Lower Upper

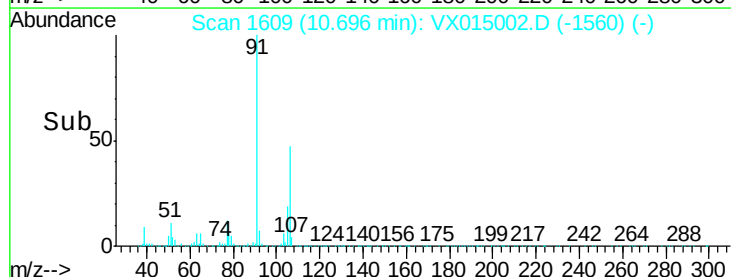
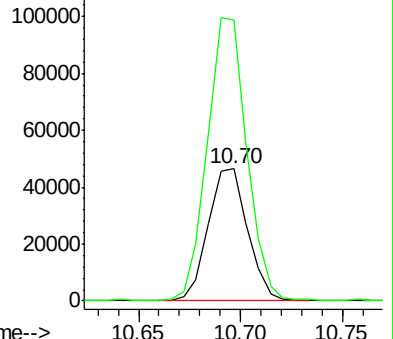
106 100

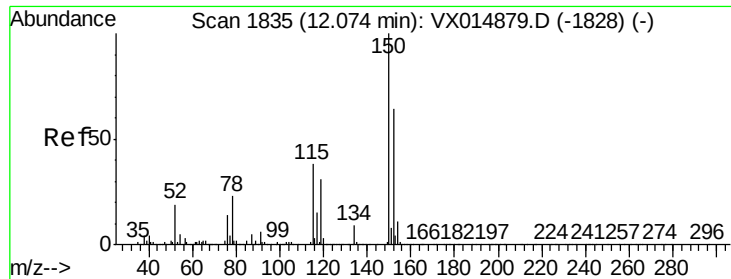
91 215.2 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



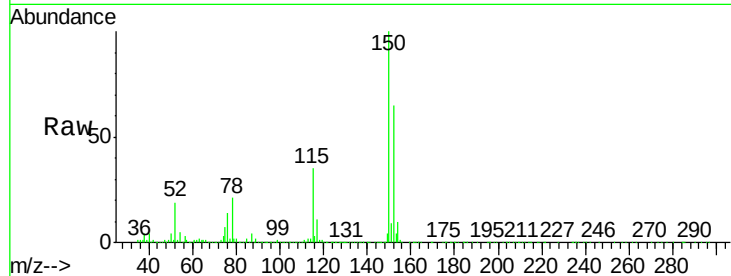


#72

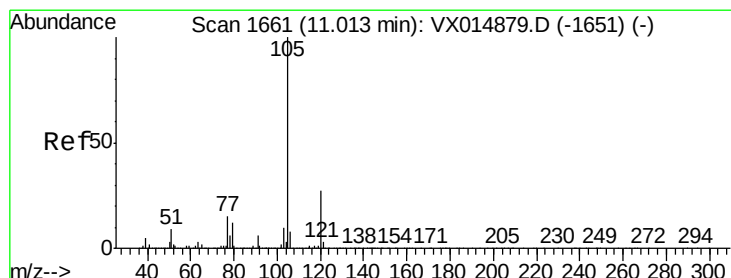
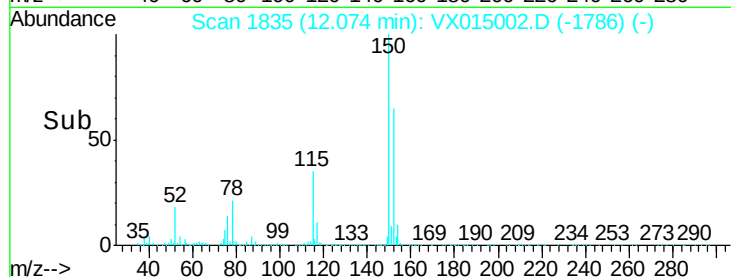
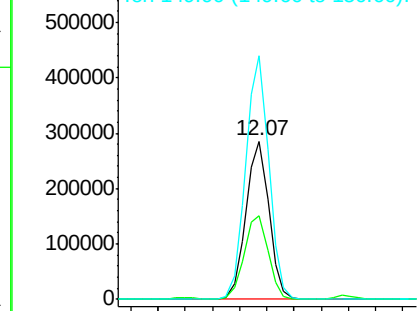
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Instrument :
MSVOA_X
ClientSampleId :
40708DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.6	116.0
150	154.1	0.0	349.0



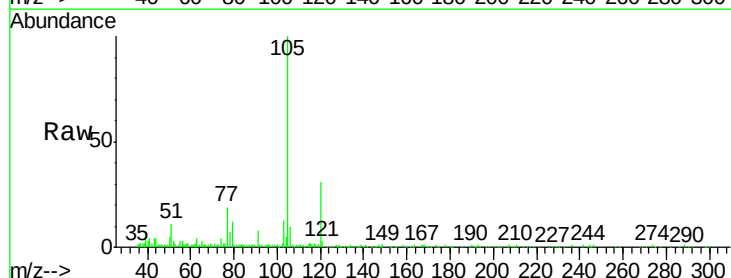
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



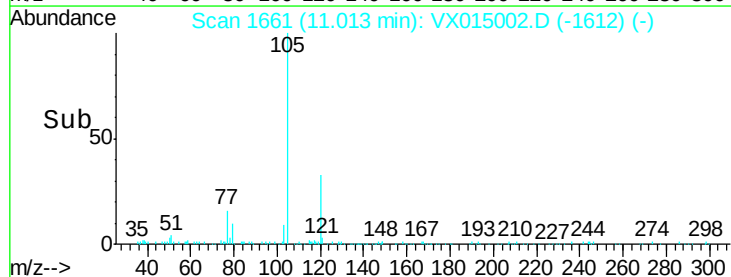
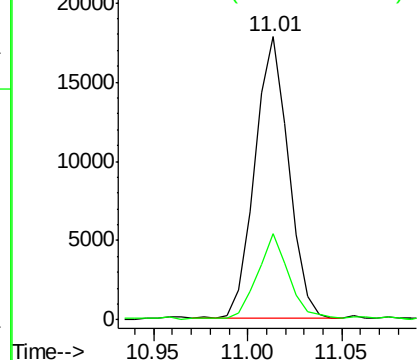
#73

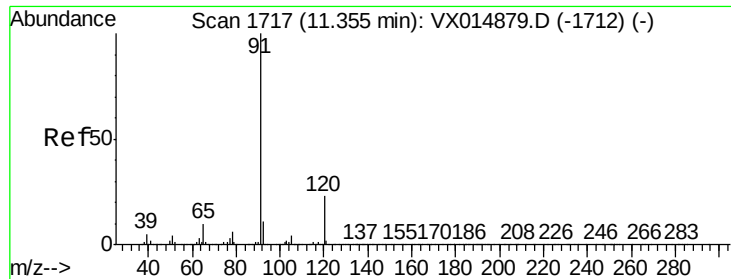
Isopropylbenzene
Concen: 1.034 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	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: 3.194 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

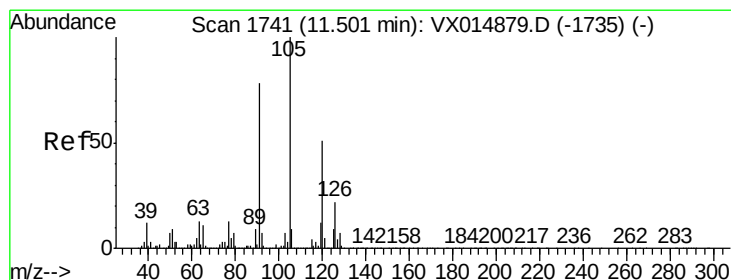
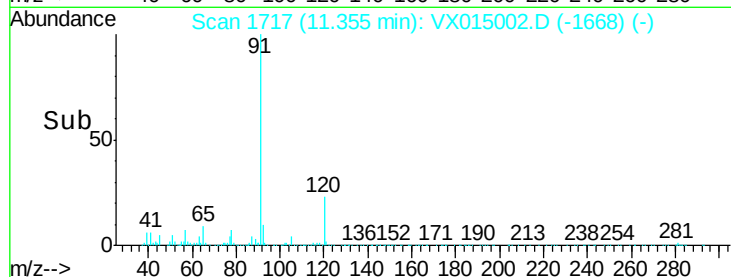
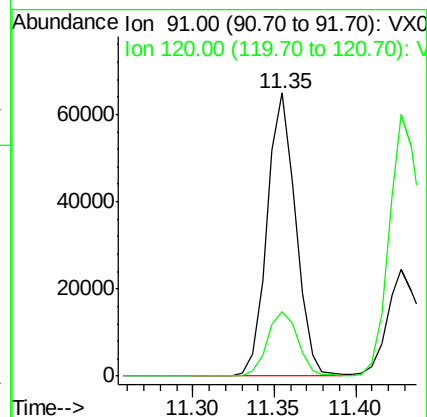
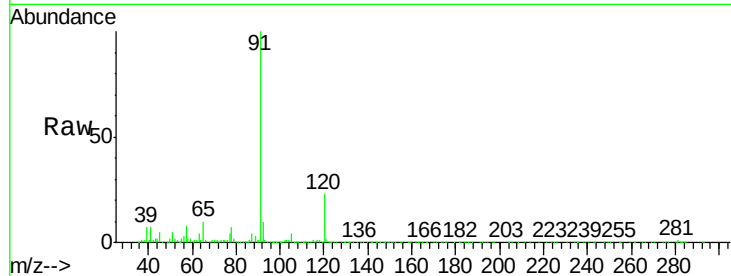
40708DL

Tot Ion: 91 Resp: 78306

Ion Ratio Lower Upper

91 100

120 24.5 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 5.457 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015002.D

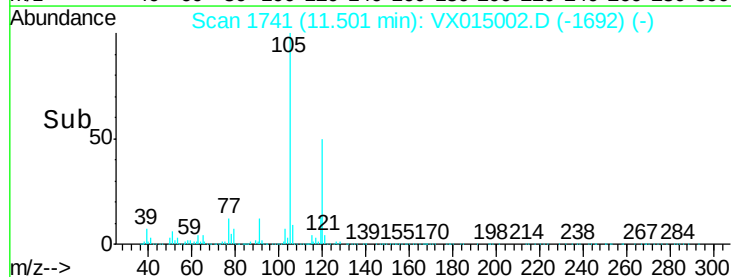
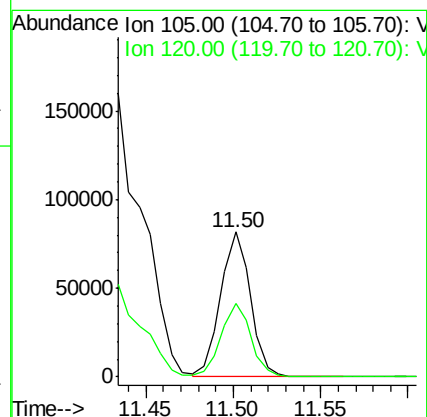
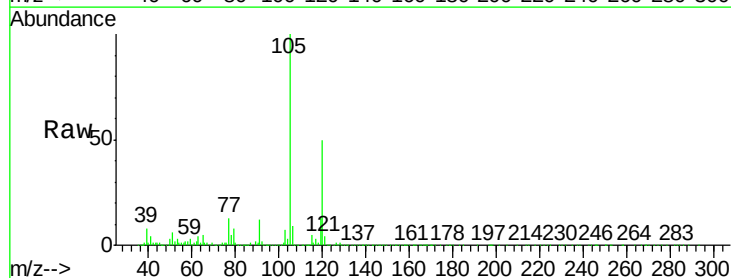
Acq: 24 Feb 2020 11:57

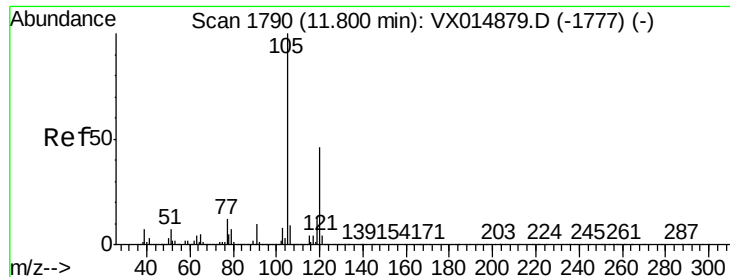
Tgt Ion: 105 Resp: 96651

Ion Ratio Lower Upper

105 100

120 50.7 25.6 76.6

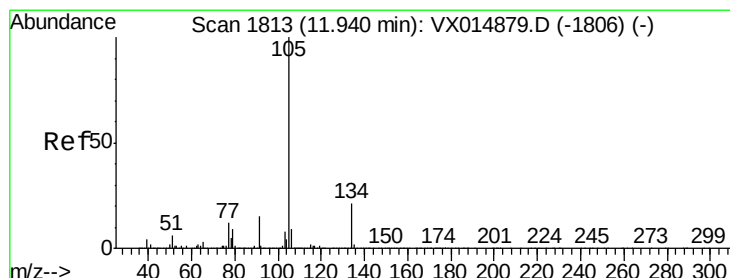
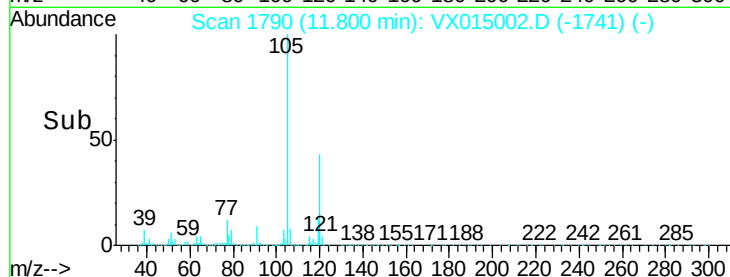
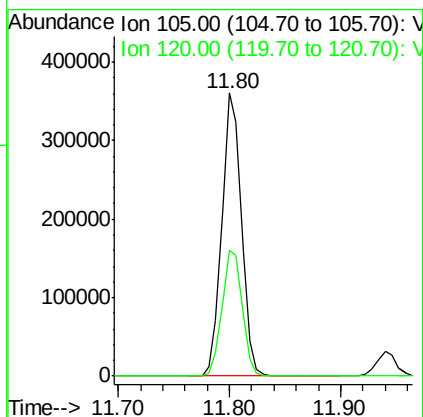
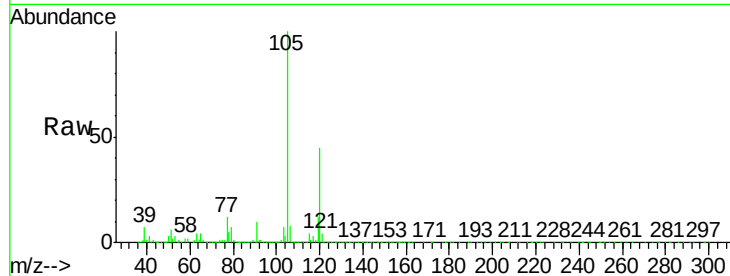




#84
 1,2,4-Trimethylbenzene
 Concen: 24.599 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

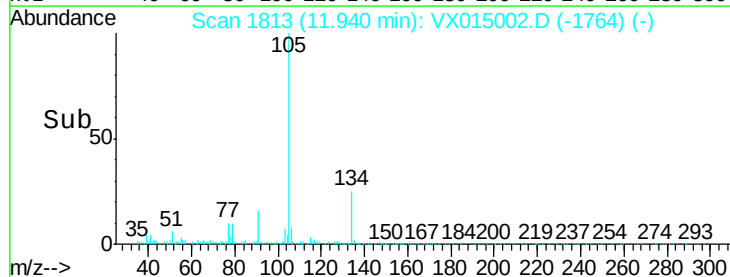
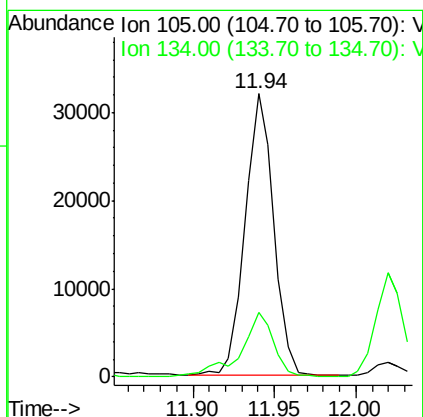
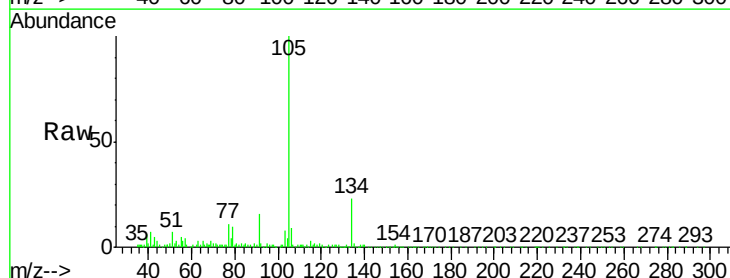
Instrument :
 MSVOA_X
 ClientSampleId :
 40708DL

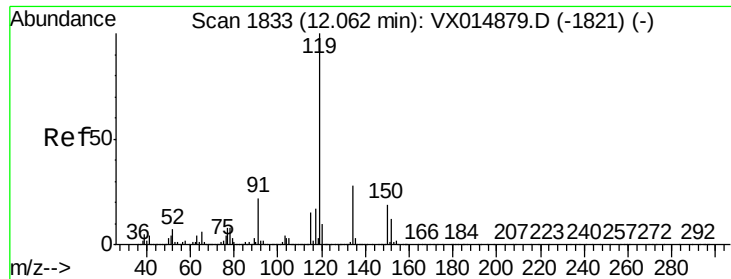
Tot Ion:105 Resp: 439032
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 1.879 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

Tgt Ion:105 Resp: 39144
 Ion Ratio Lower Upper
 105 100
 134 26.8 10.6 31.8

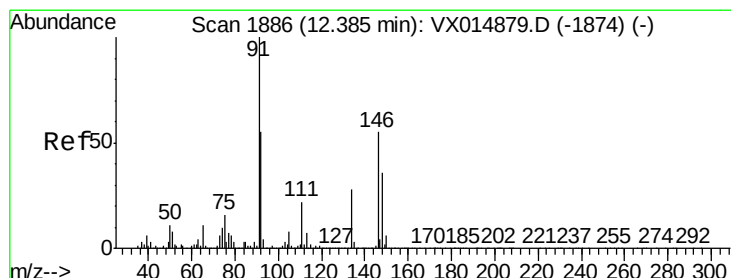
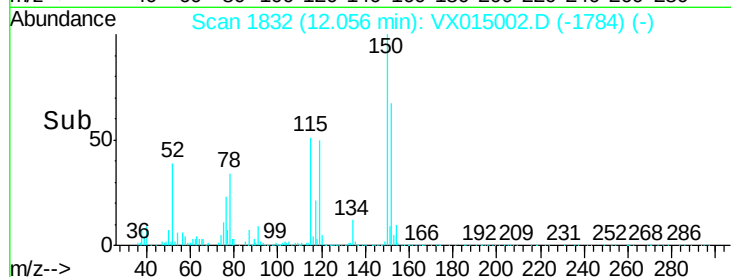
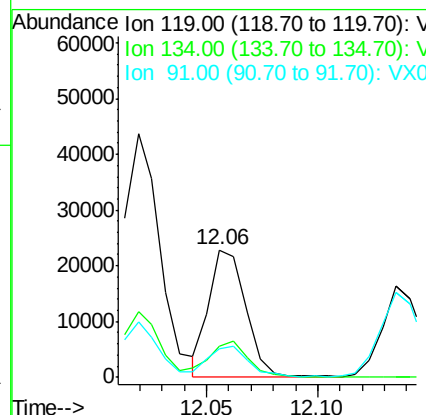
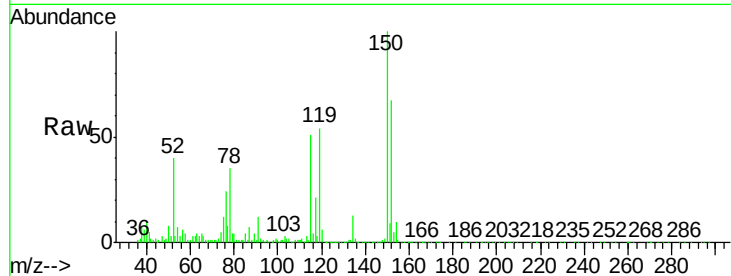




#86
p-Isopropyltoluene
Concen: 1.328 ug/l
RT: 12.06 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

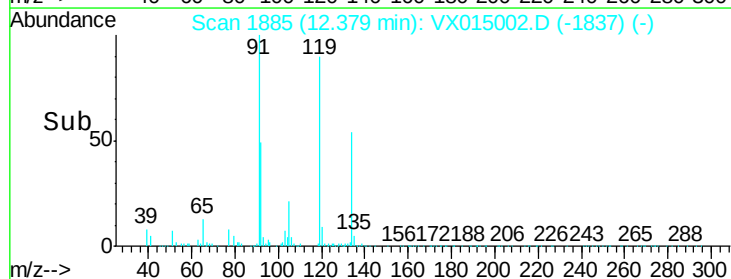
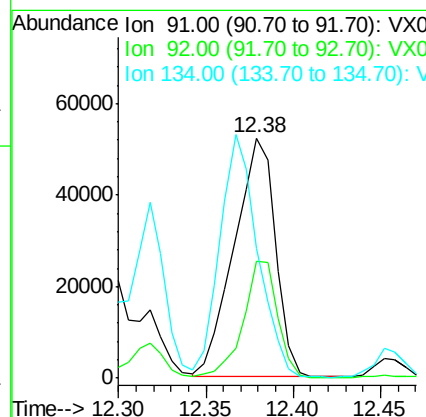
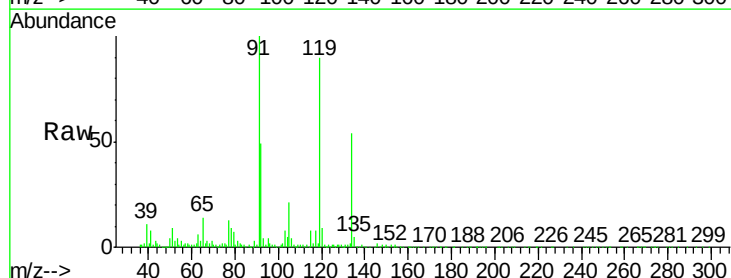
Instrument :
MSVOA_X
ClientSampleID :
40708DL

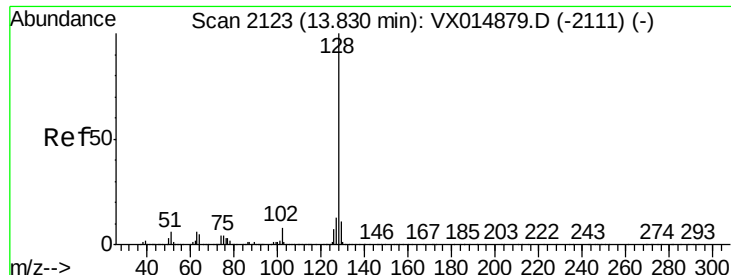
Tot Ion	Ratio	Lower	Upper
119	100		
134	31.8	13.5	40.5
91	27.2	11.4	34.1



#89
n-Butylbenzene
Concen: 4.913 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	40.3	27.3	81.8
134	93.2	13.8	41.4





#95

Naphthalene

Concen: 11.433 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

40708DL

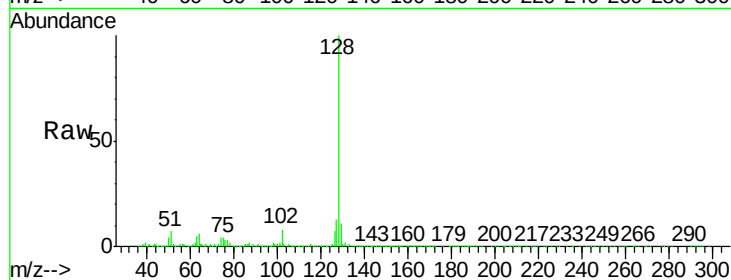
Tot Ion:128 Resp: 233527

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

