

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122019\
 Data File : VX014185.D
 Acq On : 20 Dec 2019 19:32
 Operator : JC/SP
 Sample : K6355-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30604

Quant Time: Dec 23 03:08:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	575182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	863839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	784979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	378754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	306446	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
35) Dibromofluoromethane	5.49	113	251218	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	8.71	98	1034142	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	364538	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds

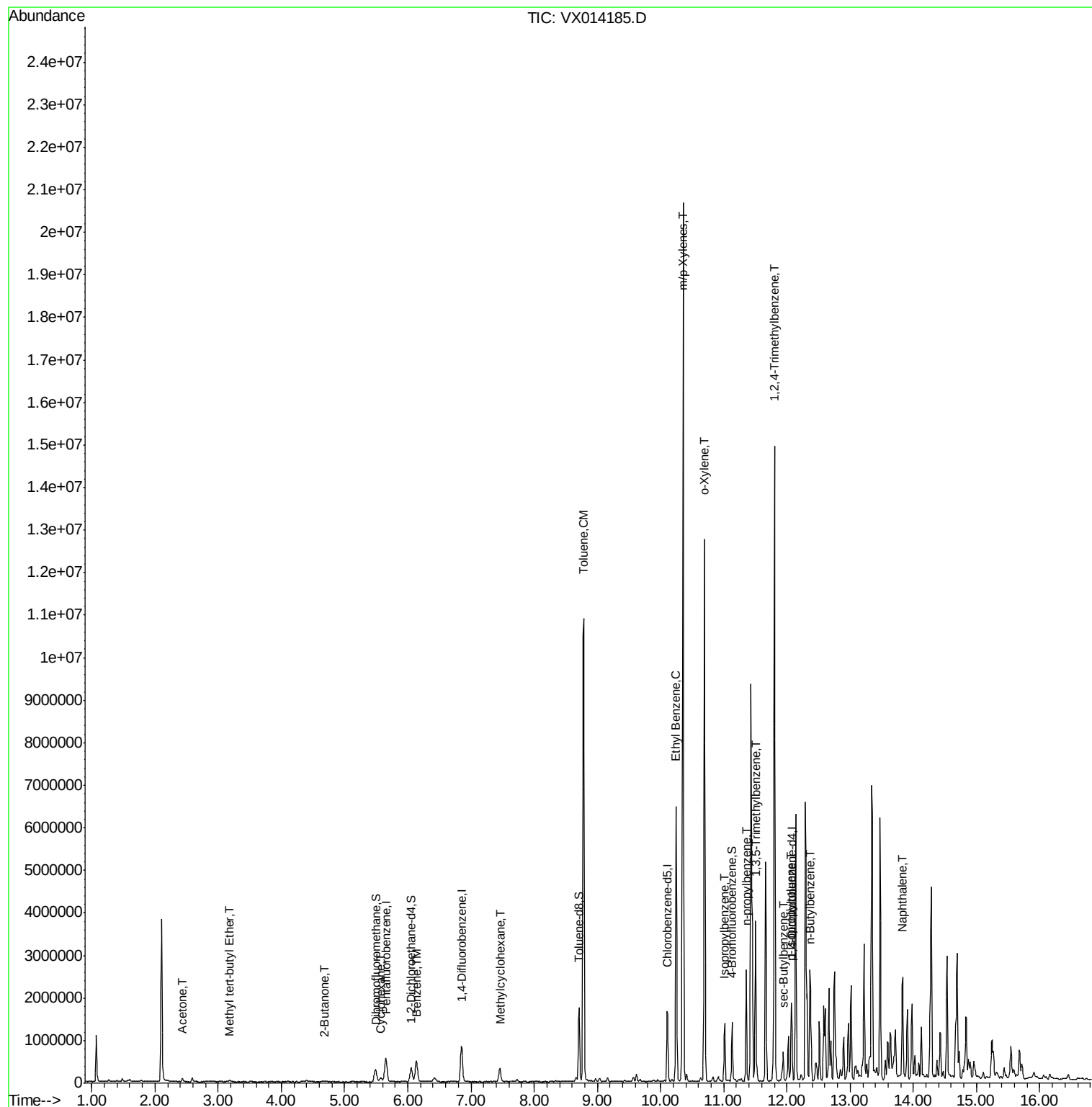
						Qvalue
16) Acetone	2.43	43	83099	19.635	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	35811	1.970	ug/l	98
25) 2-Butanone	4.67	43	23082	4.424	ug/l	96
31) Cyclohexane	5.58	56	64203	6.591	ug/l	96
39) Methylcyclohexane	7.46	83	144701	14.785	ug/l	94
40) Benzene	6.14	78	608055	24.933	ug/l	98
52) Toluene	8.78	92	4174357	270.800	ug/l	97
67) Ethyl Benzene	10.25	91	3792051	132.150	ug/l	100
68) m/p-Xylenes	10.36	106	4822696	436.977	ug/l	94
69) o-Xylene	10.70	106	2789602	257.722	ug/l	99
73) Isopropylbenzene	11.01	105	699552	26.233	ug/l	99
78) n-propylbenzene	11.35	91	1548100	51.755	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1599217	71.256	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	6588423	293.137	ug/l	96
85) sec-Butylbenzene	11.94	105	349550	13.557	ug/l	91
86) p-Isopropyltoluene	12.06	119	194701	8.255	ug/l	99
89) n-Butylbenzene	12.38	91	428788	21.307	ug/l #	36
95) Naphthalene	13.83	128	1508919	61.042	ug/l	99

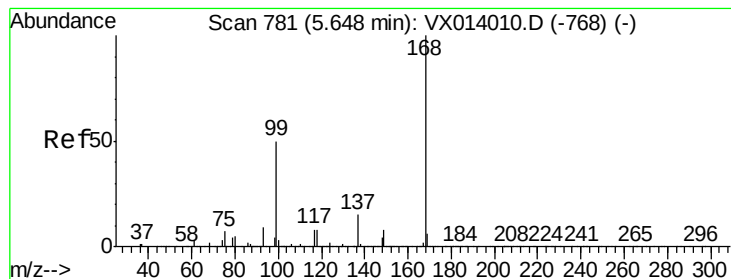
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122019\
Data File : VX014185.D
Acq On : 20 Dec 2019 19:32
Operator : JC/SP
Sample : K6355-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
30604

Quant Time: Dec 23 03:08:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014185.D

Acq: 20 Dec 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

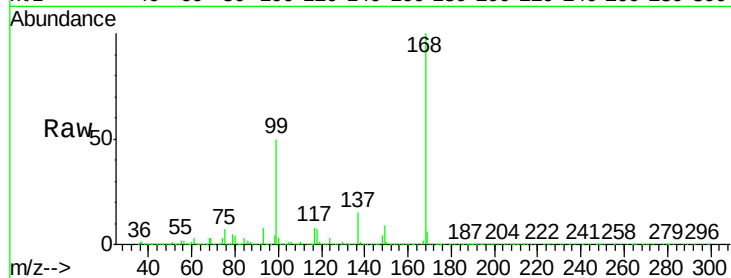
30604

Tot Ion:168 Resp: 575182

Ion Ratio Lower Upper

168 100

99 50.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

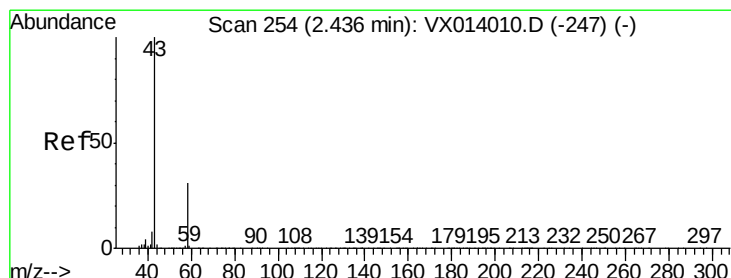
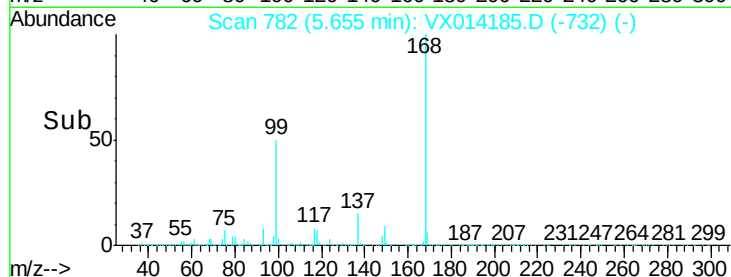
150000

100000

50000

0

Time--> 5.40 5.60 5.80



#16

Acetone

Concen: 19.635 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014185.D

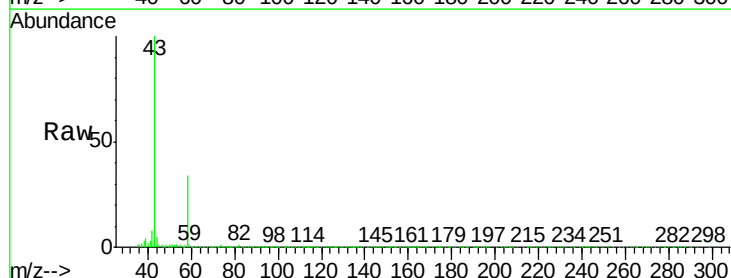
Acq: 20 Dec 2019 19:32

Tgt Ion: 43 Resp: 83099

Ion Ratio Lower Upper

43 100

58 33.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

60000

50000

40000

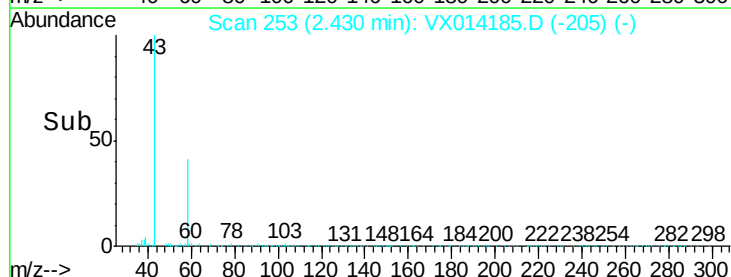
30000

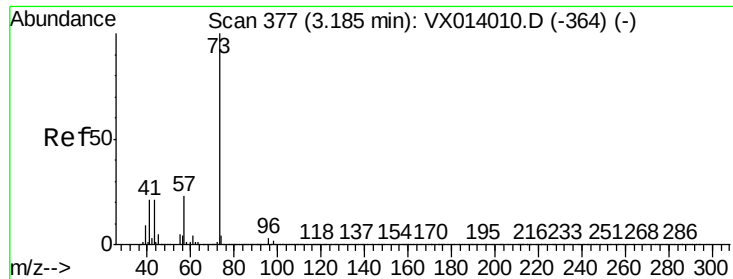
20000

10000

0

Time--> 2.30 2.40 2.50

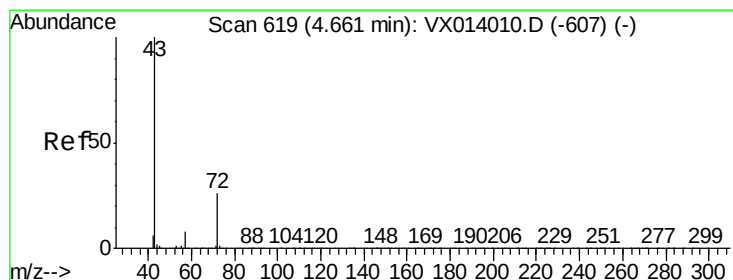
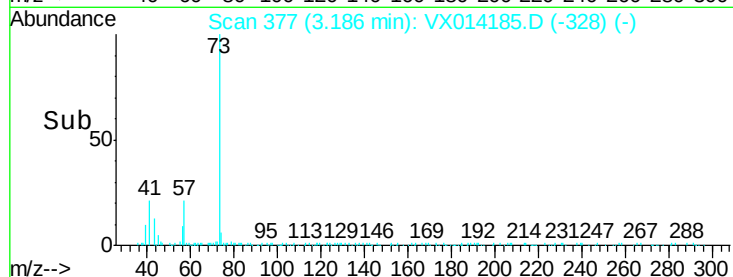
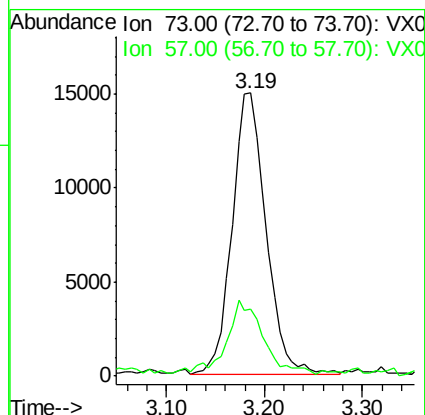
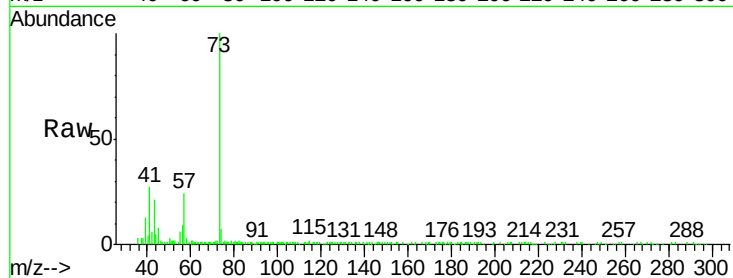




#19
Methvl tert-butyl Ether
Concen: 1.970 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014185.D
Acq: 20 Dec 2019 19:32

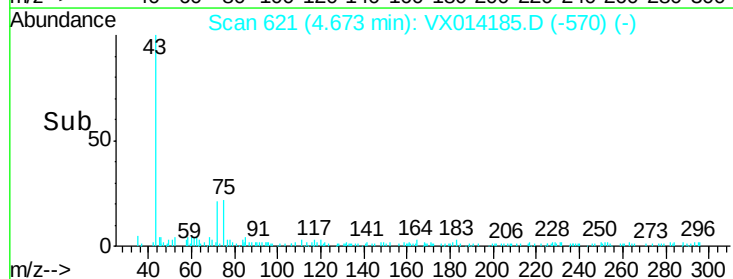
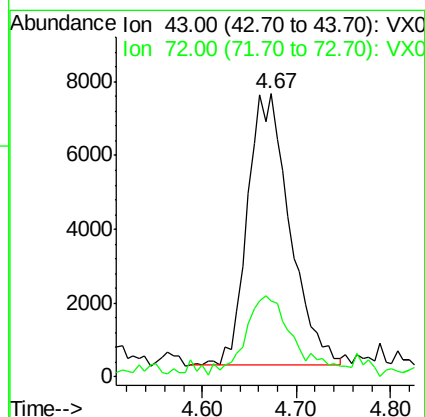
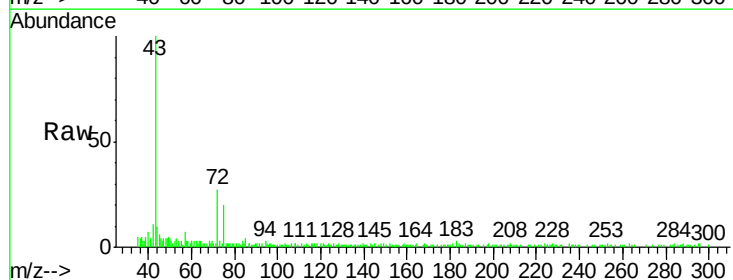
Instrument :
MSVOA_X
ClientSampleId :
30604

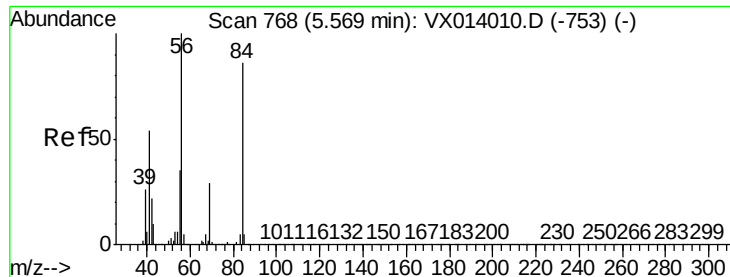
Tot Ion: 73 Resp: 35811
Ion Ratio Lower Upper
73 100
57 22.6 18.8 28.2



#25
2-Butanone
Concen: 4.424 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014185.D
Acq: 20 Dec 2019 19:32

Tgt Ion: 43 Resp: 23082
Ion Ratio Lower Upper
43 100
72 24.2 21.0 31.4





#31

Cyclohexane

Concen: 6.591 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX014185.D

Acq: 20 Dec 2019 19:32

Instrument :

MSVOA_X

ClientSampled :

30604

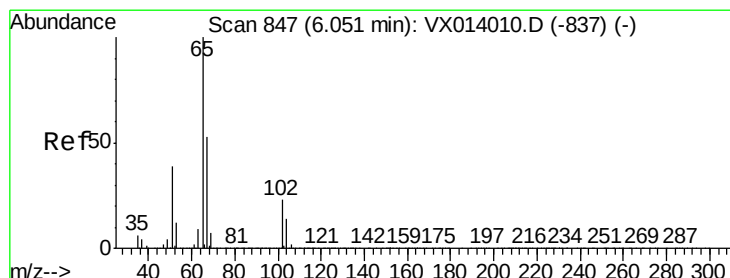
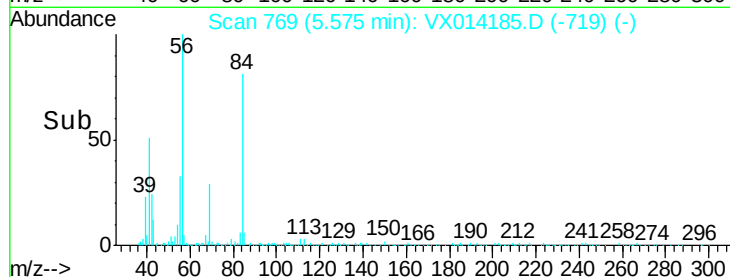
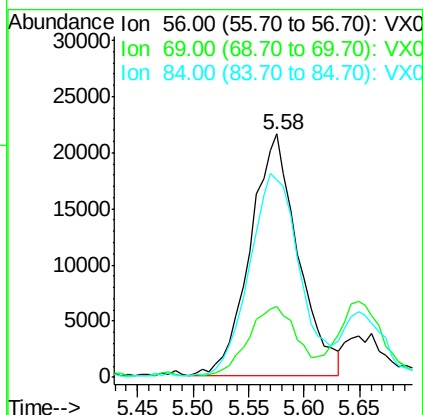
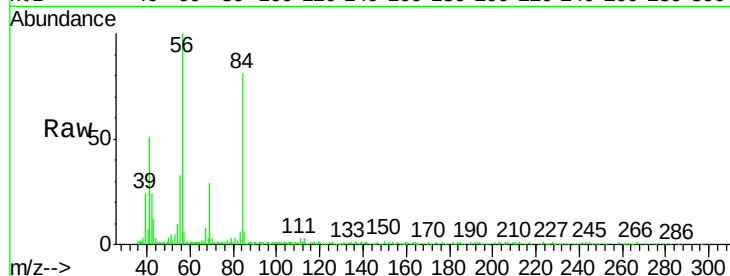
Tot Ion: 56 Resp: 64203

Ion Ratio Lower Upper

56 100

69 28.8 23.2 34.8

84 81.4 69.2 103.8



#33

1,2-Dichloroethane-d4

Concen: 47.009 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014185.D

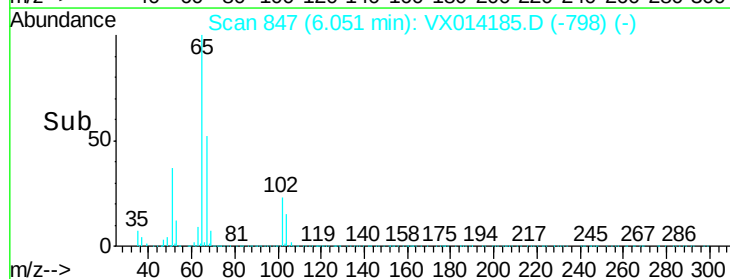
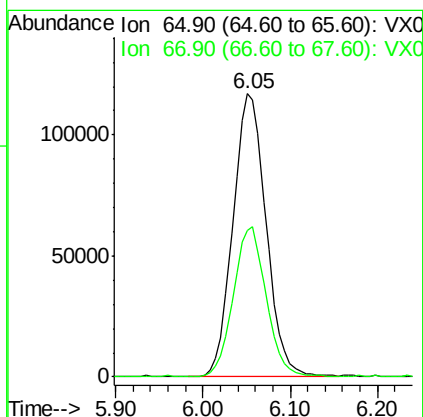
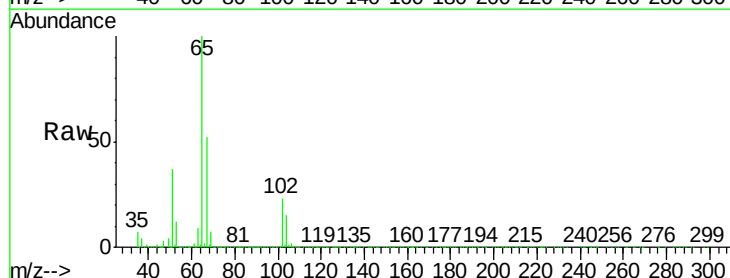
Acq: 20 Dec 2019 19:32

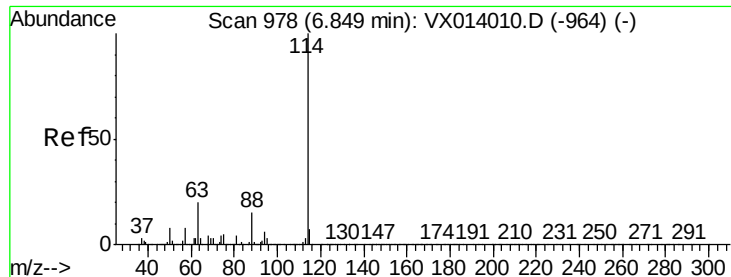
Tgt Ion: 65 Resp: 306446

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.4

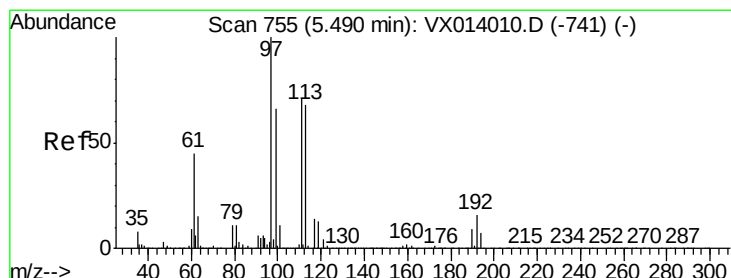
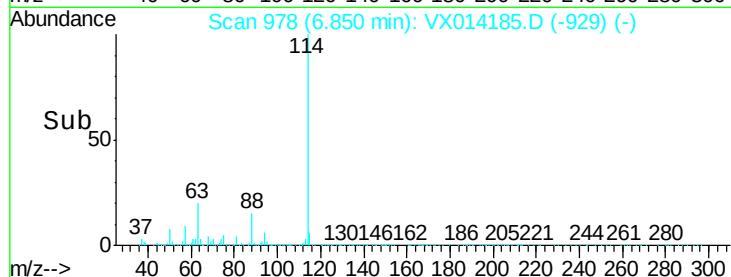
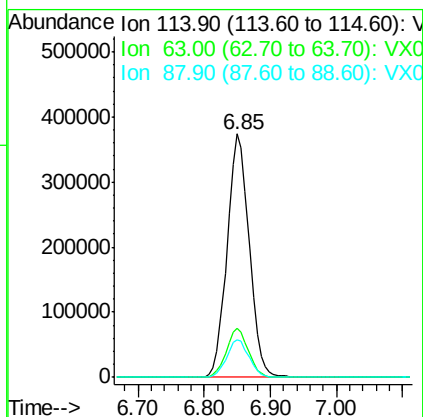
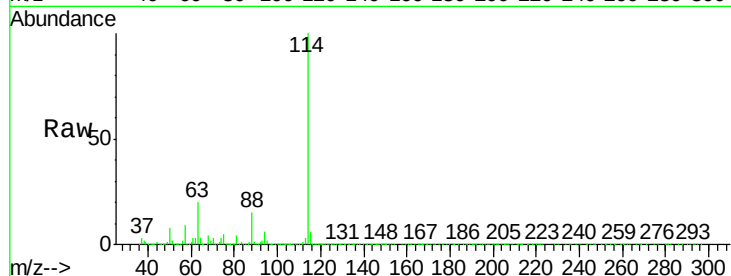




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014185.D
Acq: 20 Dec 2019 19:32

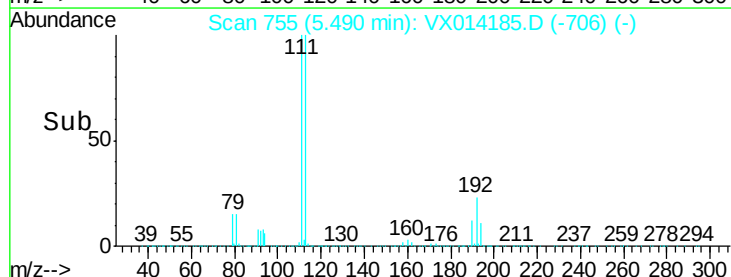
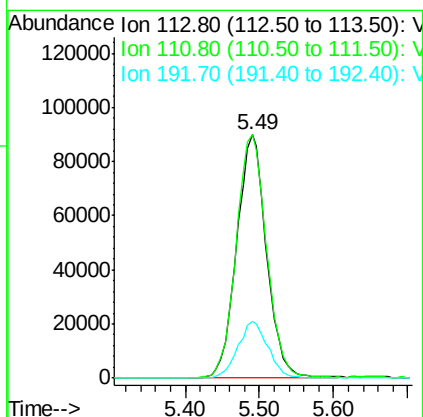
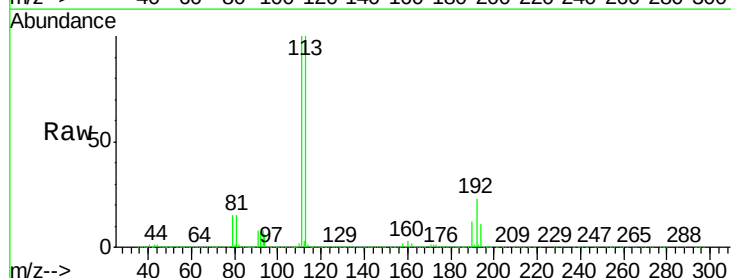
Instrument :
MSVOA_X
ClientSampleId :
30604

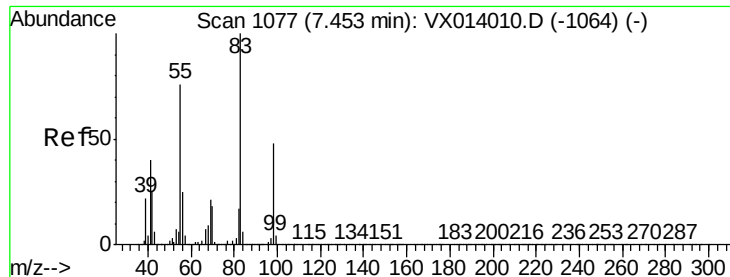
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	15.3	0.0	30.4



#35
Dibromofluoromethane
Concen: 47.840 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014185.D
Acq: 20 Dec 2019 19:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	23.8	19.3	28.9

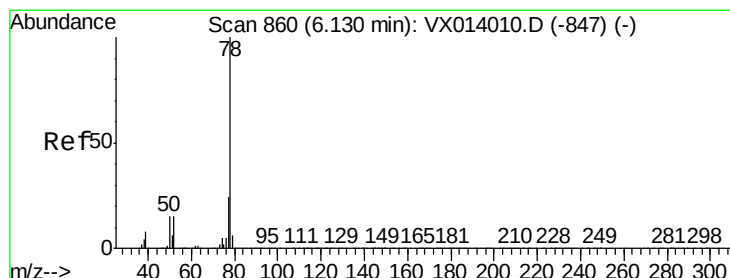
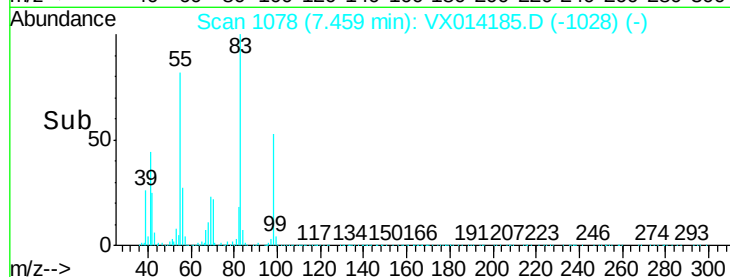
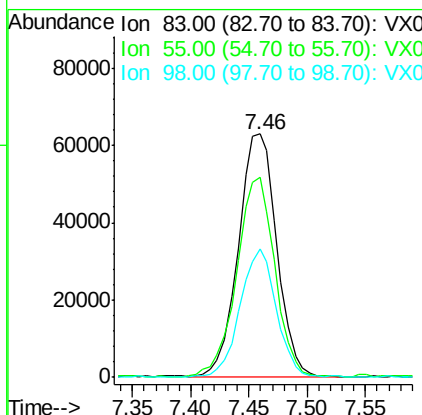
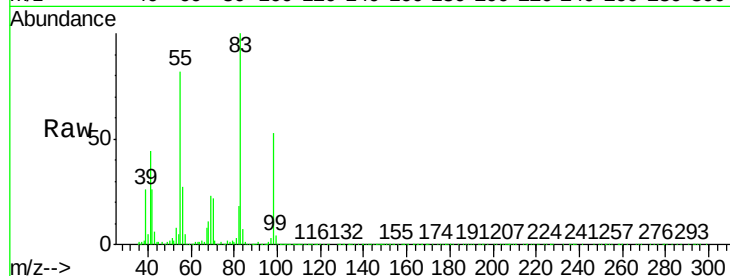




#39
Methylvlcyclohexane
Concen: 14.785 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX014185.D
Acq: 20 Dec 2019 19:32

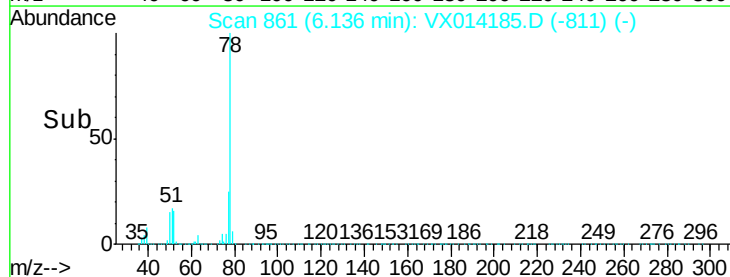
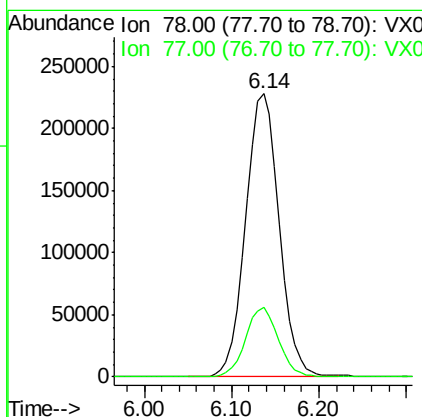
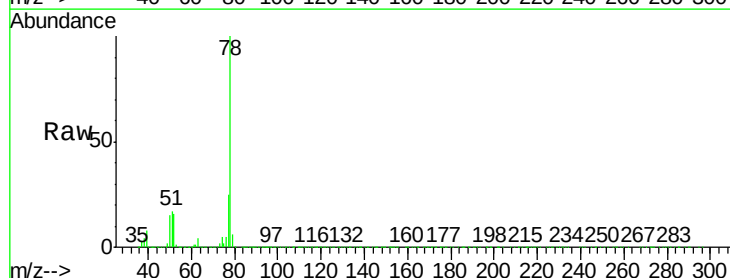
Instrument :
MSVOA_X
ClientSampleId :
30604

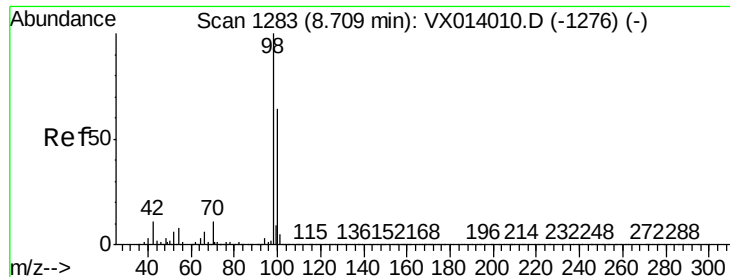
Tot Ion	83	Resp	144701
Ion Ratio	Lower	Upper	
83	100		
55	81.7	61.0	91.6
98	52.8	38.6	57.8



#40
Benzene
Concen: 24.933 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014185.D
Acq: 20 Dec 2019 19:32

Tgt Ion	78	Resp	608055
Ion Ratio	Lower	Upper	
78	100		
77	24.5	18.8	28.2





#50

Toluene-d8

Concen: 50.584 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014185.D

Acq: 20 Dec 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

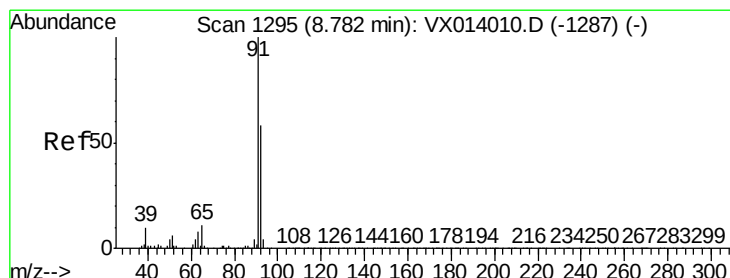
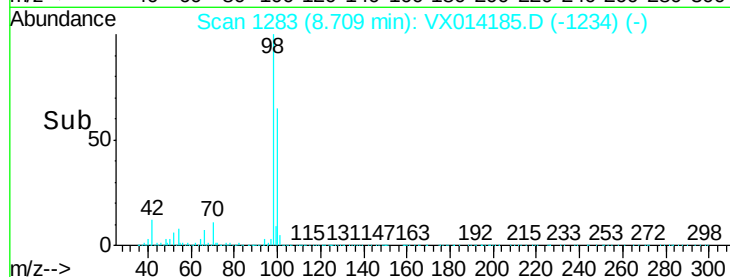
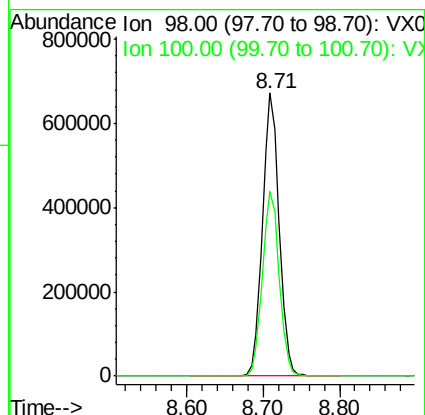
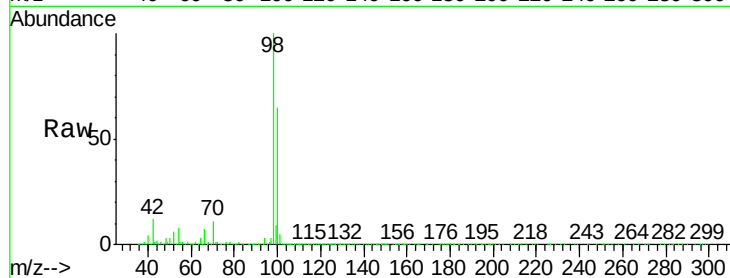
30604

Tot Ion: 98 Resp: 1034142

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



#52

Toluene

Concen: 270.800 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014185.D

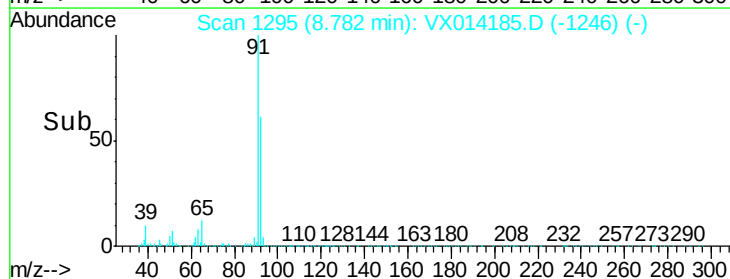
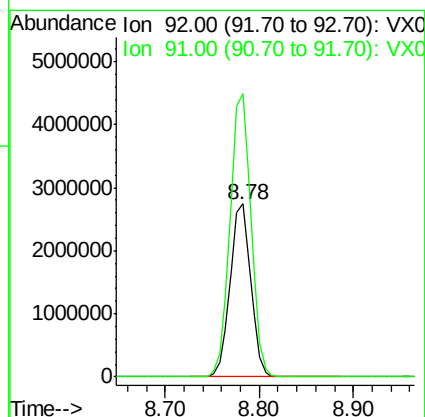
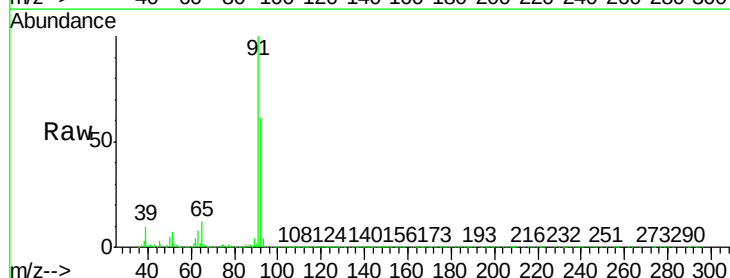
Acq: 20 Dec 2019 19:32

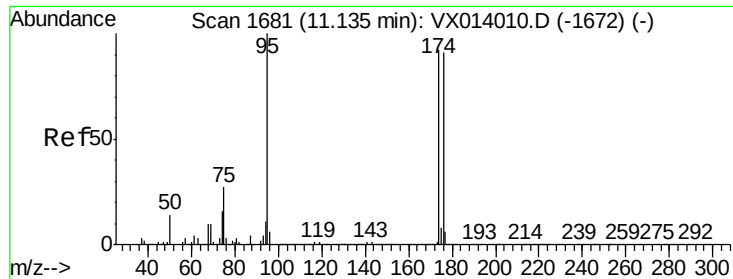
Tgt Ion: 92 Resp: 4174357

Ion Ratio Lower Upper

92 100

91 166.4 136.2 204.4





#62

4-Bromofluorobenzene

Concen: 48.779 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014185.D

Acq: 20 Dec 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

30604

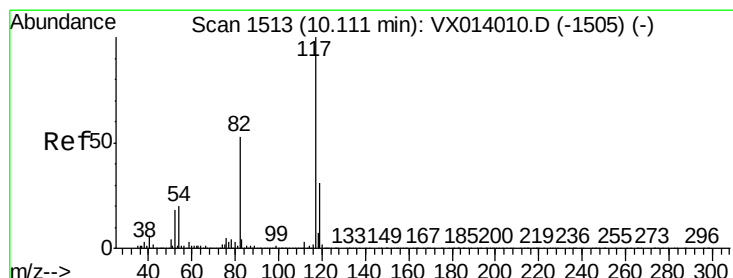
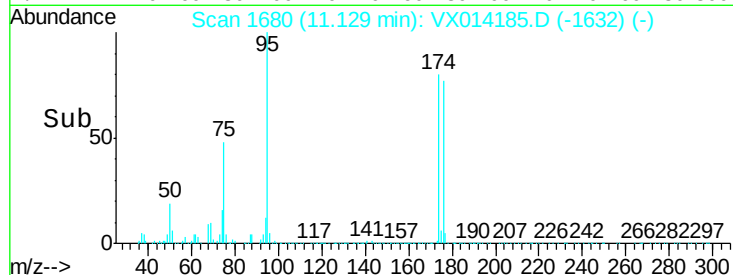
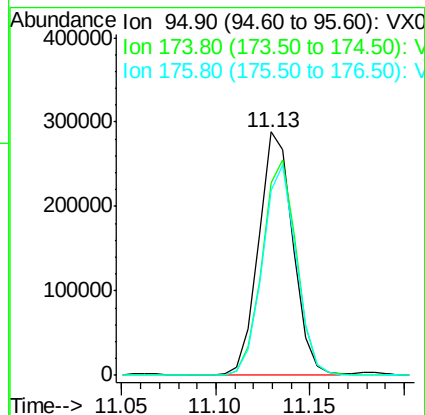
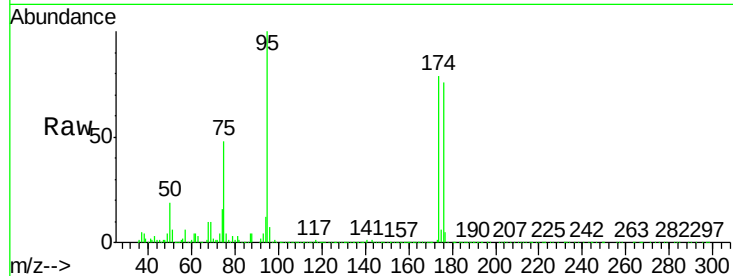
Tot Ion: 95 Resp: 364538

Ion Ratio Lower Upper

95 100

174 88.2 0.0 175.8

176 85.0 0.0 173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014185.D

Acq: 20 Dec 2019 19:32

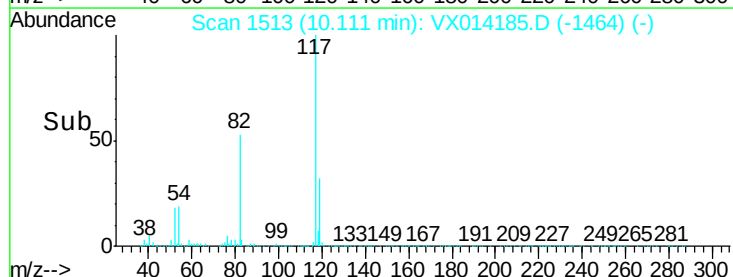
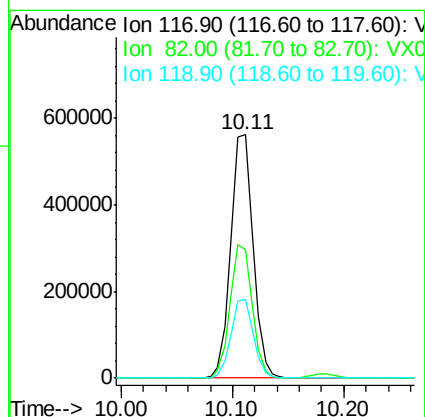
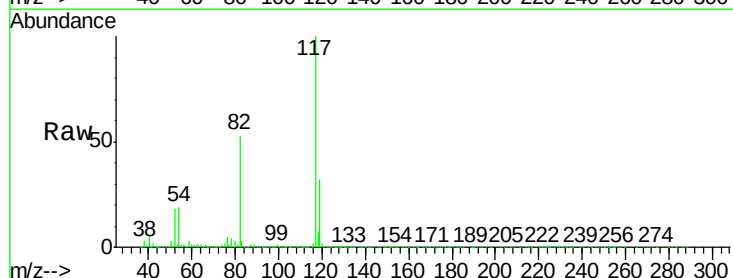
Tgt Ion: 117 Resp: 784979

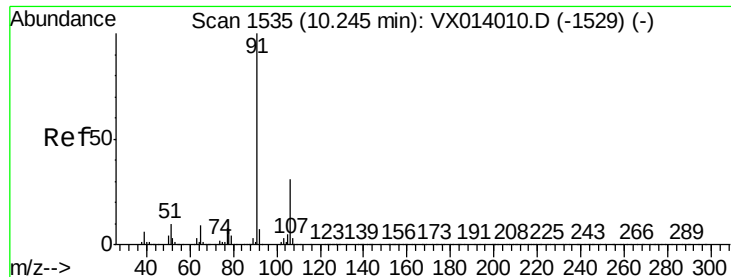
Ion Ratio Lower Upper

117 100

82 52.5 42.2 63.4

119 32.3 25.1 37.7

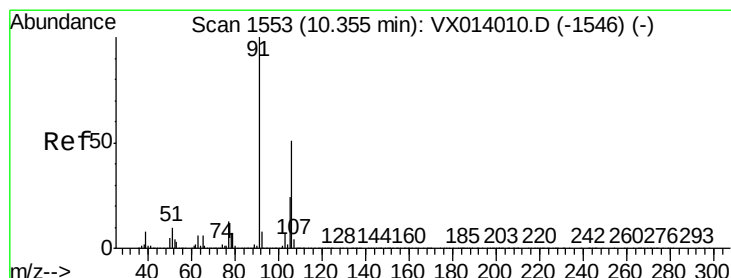
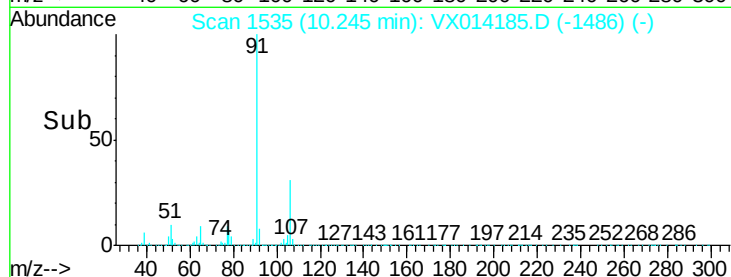
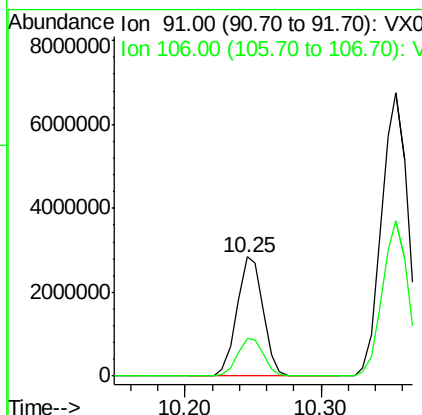
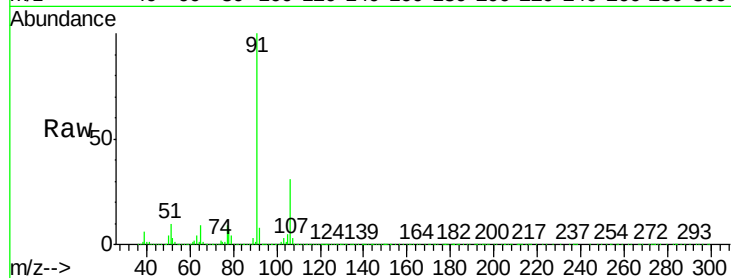




#67
Ethyl Benzene
Concen: 132.150 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014185.D
Acq: 20 Dec 2019 19:32

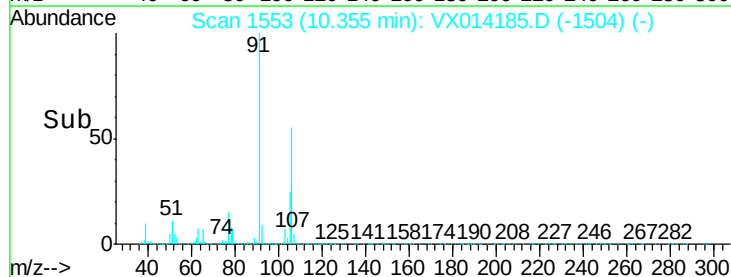
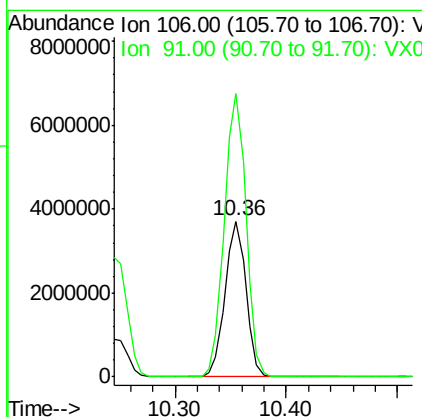
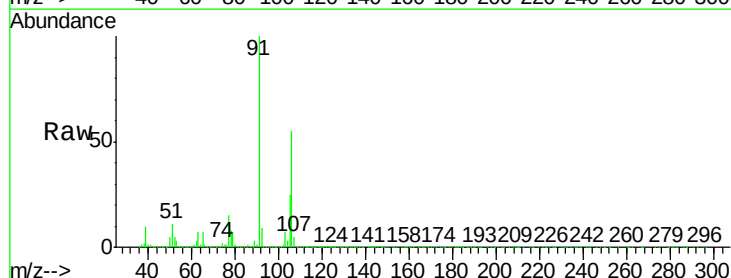
Instrument :
MSVOA_X
ClientSampleId :
30604

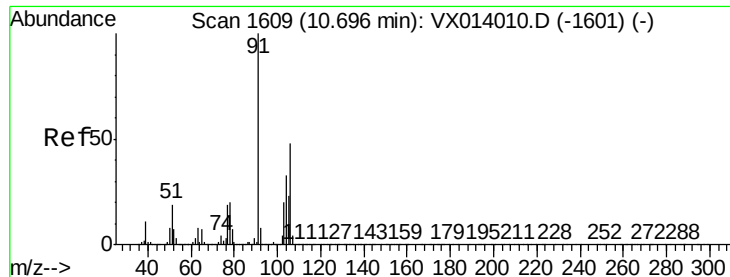
Tot Ion: 91 Resp: 3792051
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 436.977 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014185.D
Acq: 20 Dec 2019 19:32

Tgt Ion: 106 Resp: 4822696
Ion Ratio Lower Upper
106 100
91 188.9 158.6 238.0

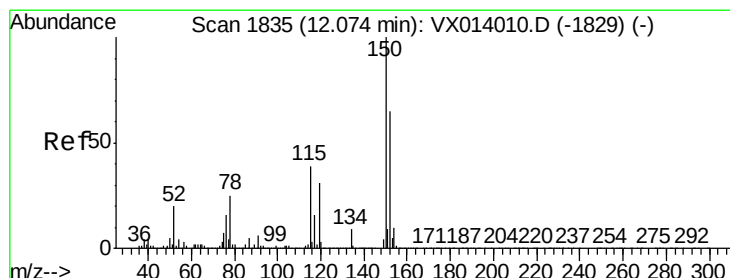
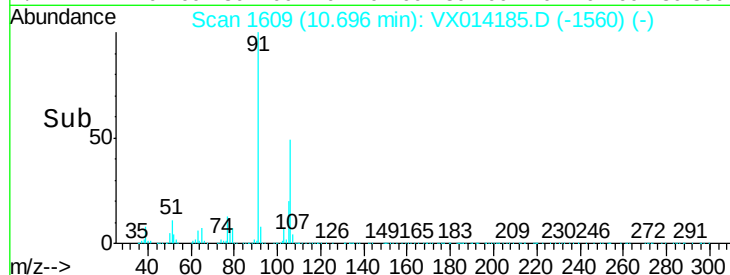
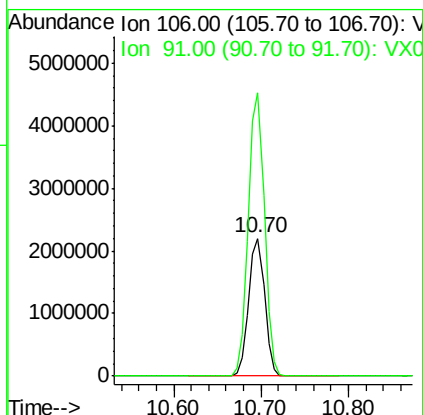
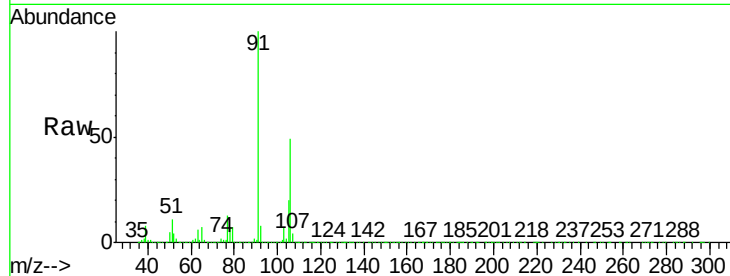




#69
o-Xylene
Concen: 257.722 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014185.D
Acq: 20 Dec 2019 19:32

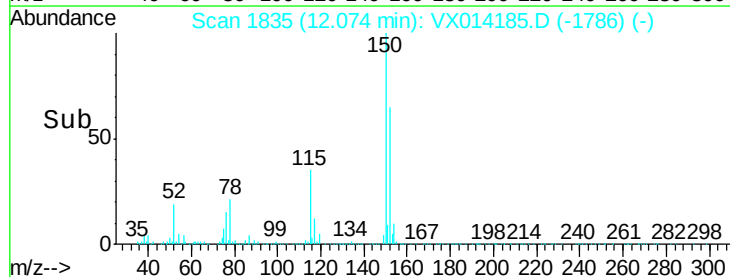
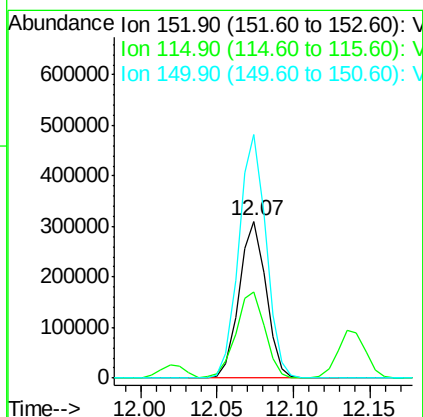
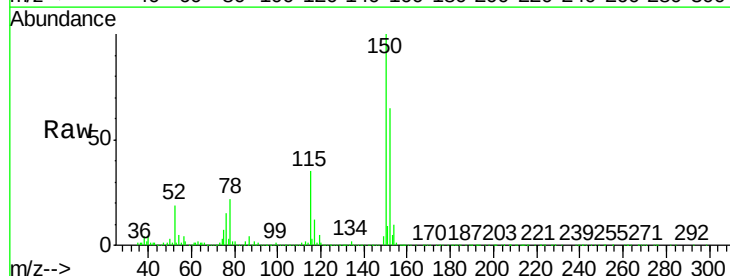
Instrument :
MSVOA_X
ClientSampled :
30604

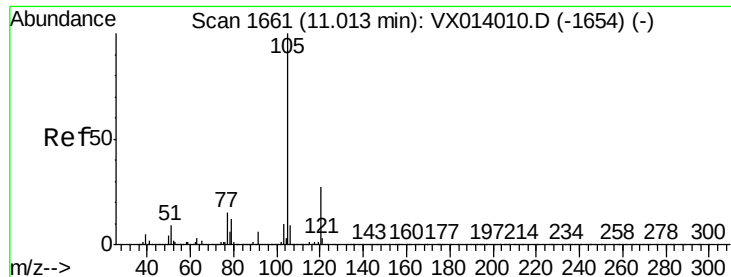
Tot Ion:106 Resp: 2789602
Ion Ratio Lower Upper
106 100
91 206.6 104.2 312.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014185.D
Acq: 20 Dec 2019 19:32

Tgt Ion:152 Resp: 378754
Ion Ratio Lower Upper
152 100
115 58.9 38.3 114.9
150 156.7 0.0 345.4





#73

Isopropylbenzene

Concen: 26.233 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014185.D

Acq: 20 Dec 2019 19:32

Instrument :

MSVOA_X

ClientSampled :

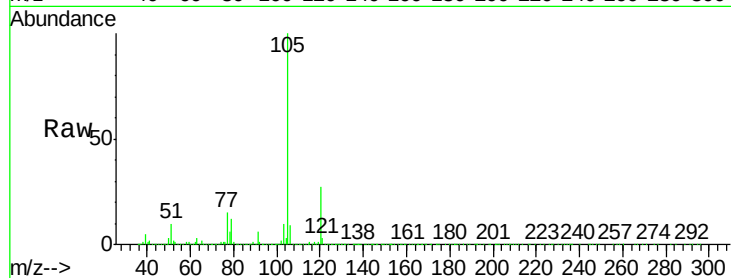
30604

Tot Ion:105 Resp: 699552

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

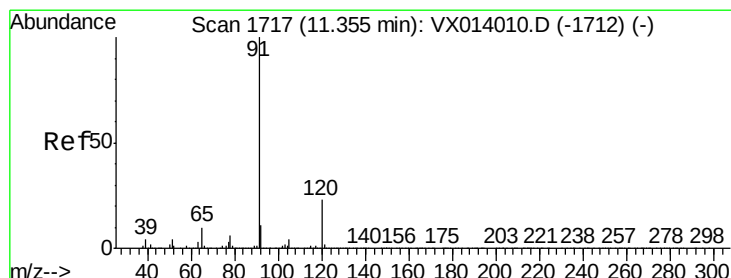
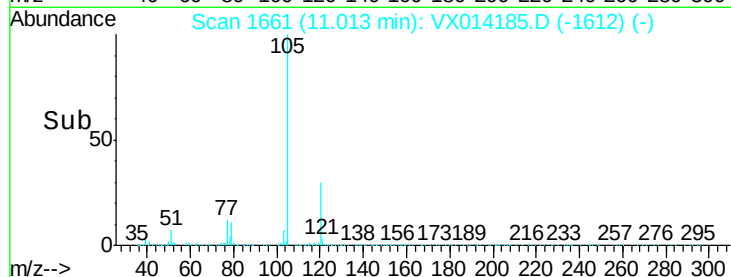
600000

400000

200000

0

Time-->



#78

n-propylbenzene

Concen: 51.755 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014185.D

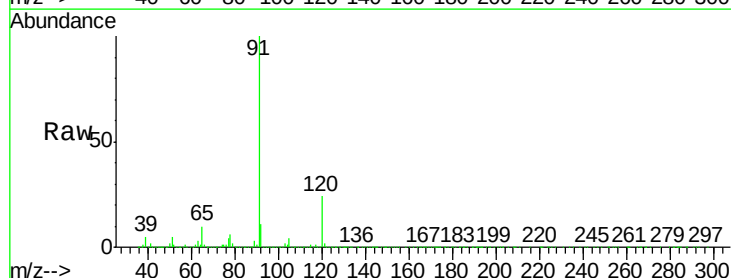
Acq: 20 Dec 2019 19:32

Tgt Ion: 91 Resp: 1548100

Ion Ratio Lower Upper

91 100

120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.35

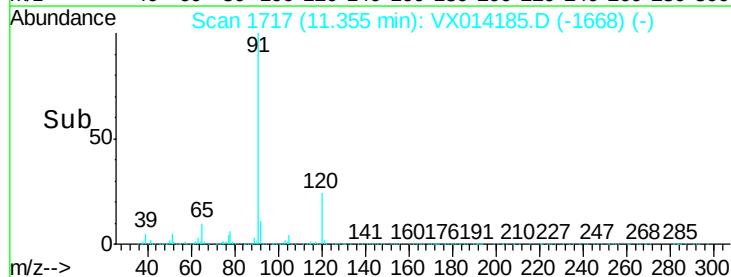
1500000

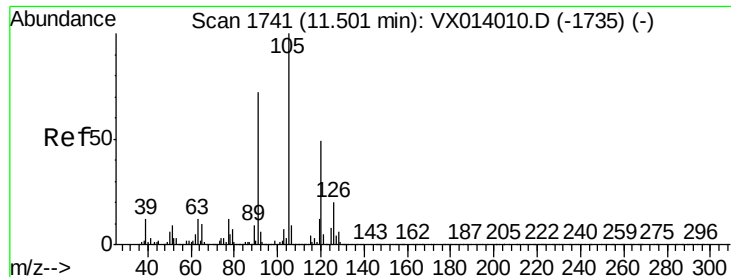
1000000

500000

0

Time-->

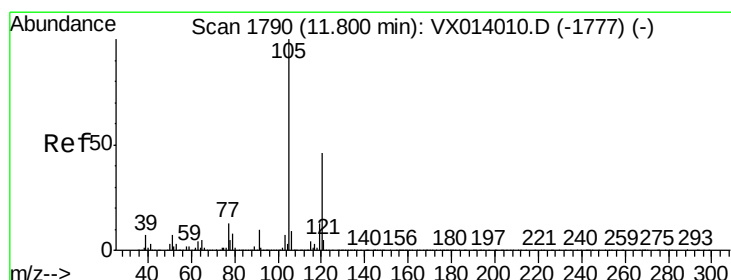
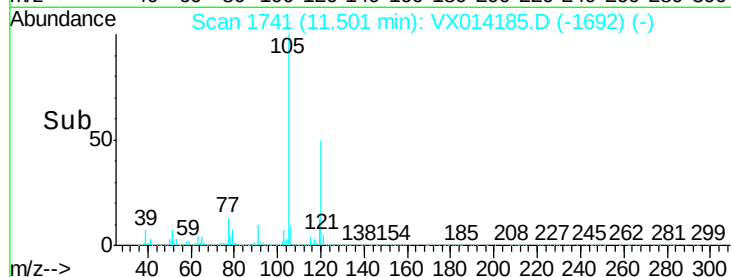
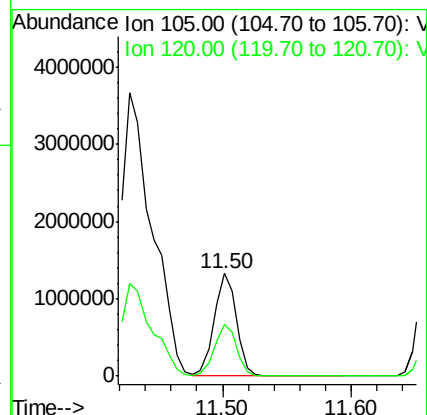
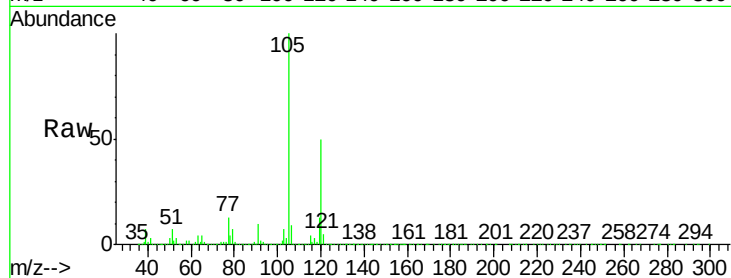




#80
 1,3,5-Trimethylbenzene
 Concen: 71.256 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014185.D
 Acq: 20 Dec 2019 19:32

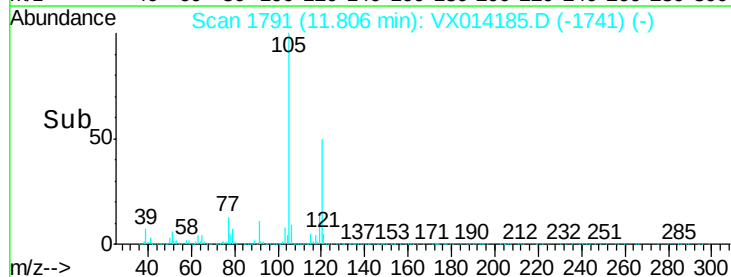
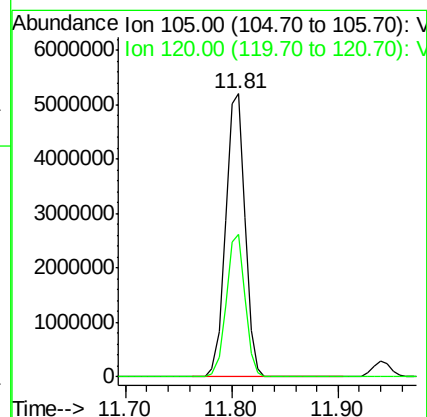
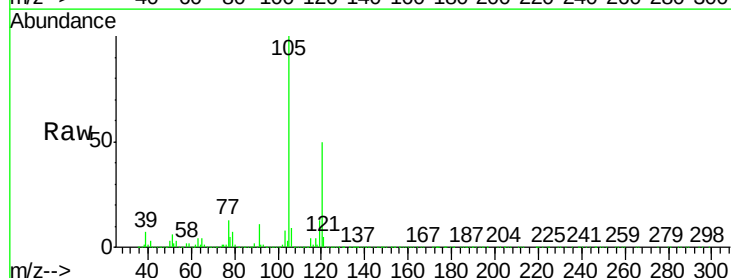
Instrument :
 MSVOA_X
 ClientSampleId :
 30604

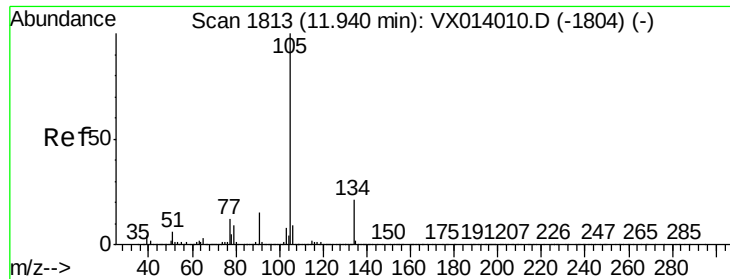
Tot Ion:105 Resp: 1599217
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.3 75.8



#84
 1,2,4-Trimethylbenzene
 Concen: 293.137 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX014185.D
 Acq: 20 Dec 2019 19:32

Tgt Ion:105 Resp: 6588423
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.1 69.2

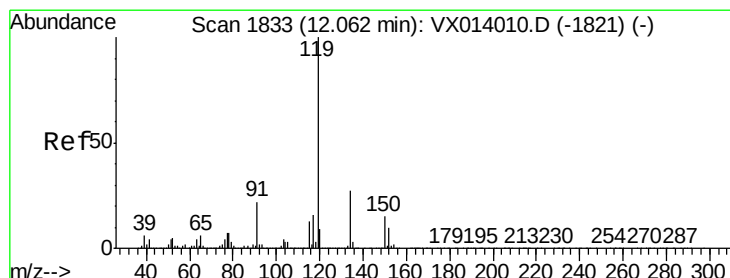
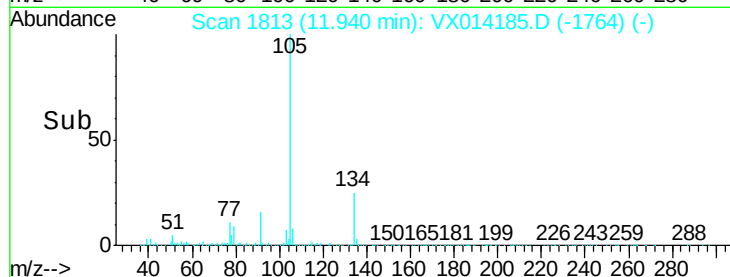
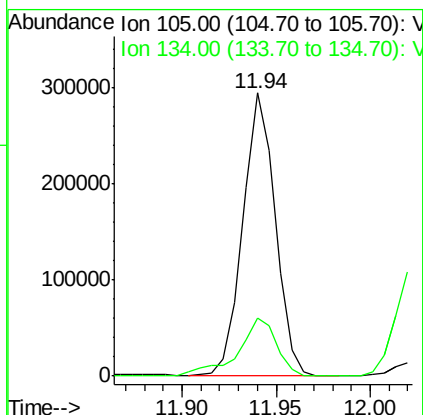
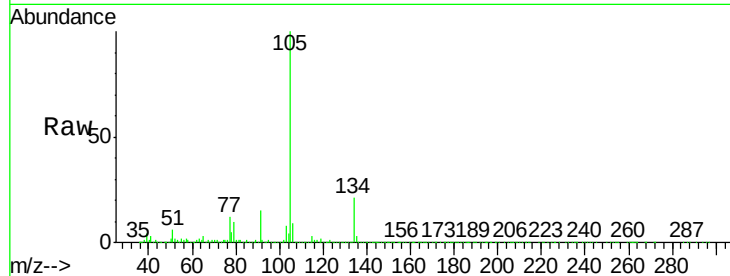




#85
 sec-Butylbenzene
 Concen: 13.557 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014185.D
 Acq: 20 Dec 2019 19:32

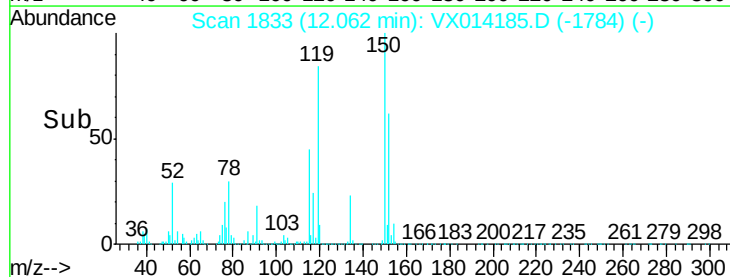
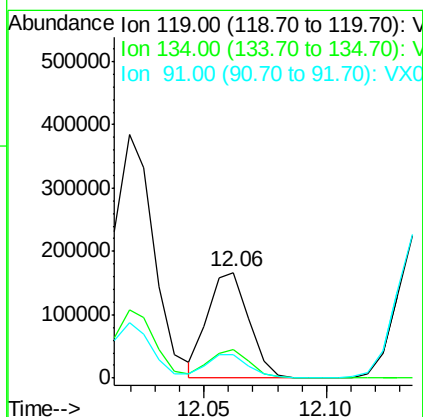
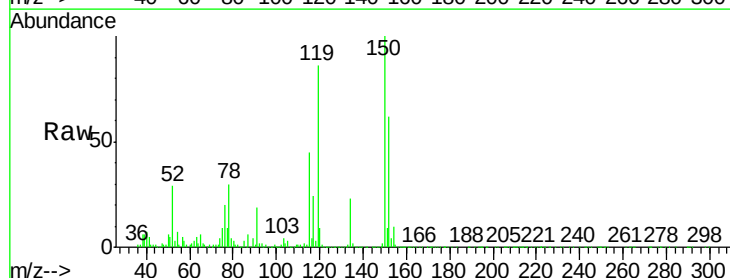
Instrument :
 MSVOA_X
 ClientSampleId :
 30604

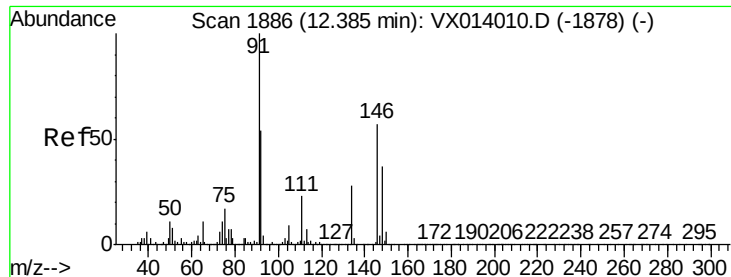
Tot Ion:105 Resp: 349550
 Ion Ratio Lower Upper
 105 100
 134 24.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 8.255 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014185.D
 Acq: 20 Dec 2019 19:32

Tgt Ion:119 Resp: 194701
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.1
 91 22.1 11.4 34.1





#89

n-Butylbenzene

Concen: 21.307 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX014185.D

Acq: 20 Dec 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

30604

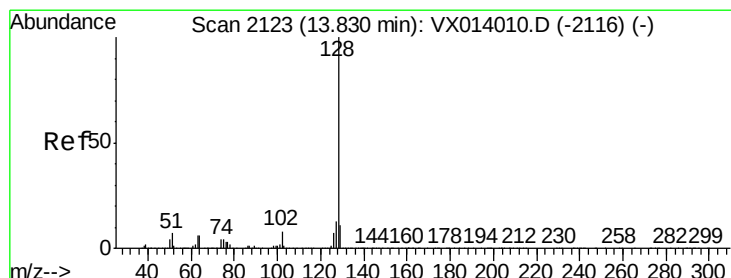
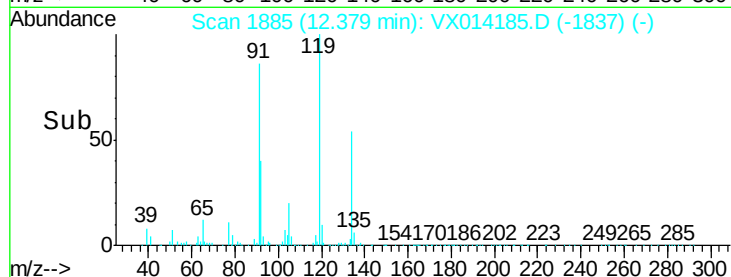
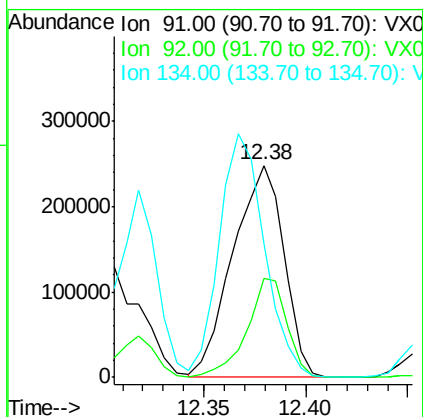
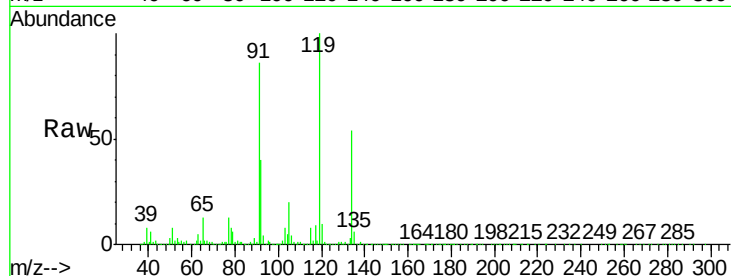
Tot Ion: 91 Resp: 428788

Ion Ratio Lower Upper

91 100

92 36.8 27.2 81.6

134 101.5 13.4 40.1#



#95

Naphthalene

Concen: 61.042 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014185.D

Acq: 20 Dec 2019 19:32

Tgt Ion:128 Resp: 1508919

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.4 8.7 13.1

