

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122019\
 Data File : VX014186.D
 Acq On : 20 Dec 2019 19:55
 Operator : JC/SP
 Sample : K6355-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30604DL

Quant Time: Dec 23 03:11:10 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	557572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	853387	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	768501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	364755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	303177	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
35) Dibromofluoromethane	5.49	113	249578	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	8.71	98	1016070	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	11.13	95	357523	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

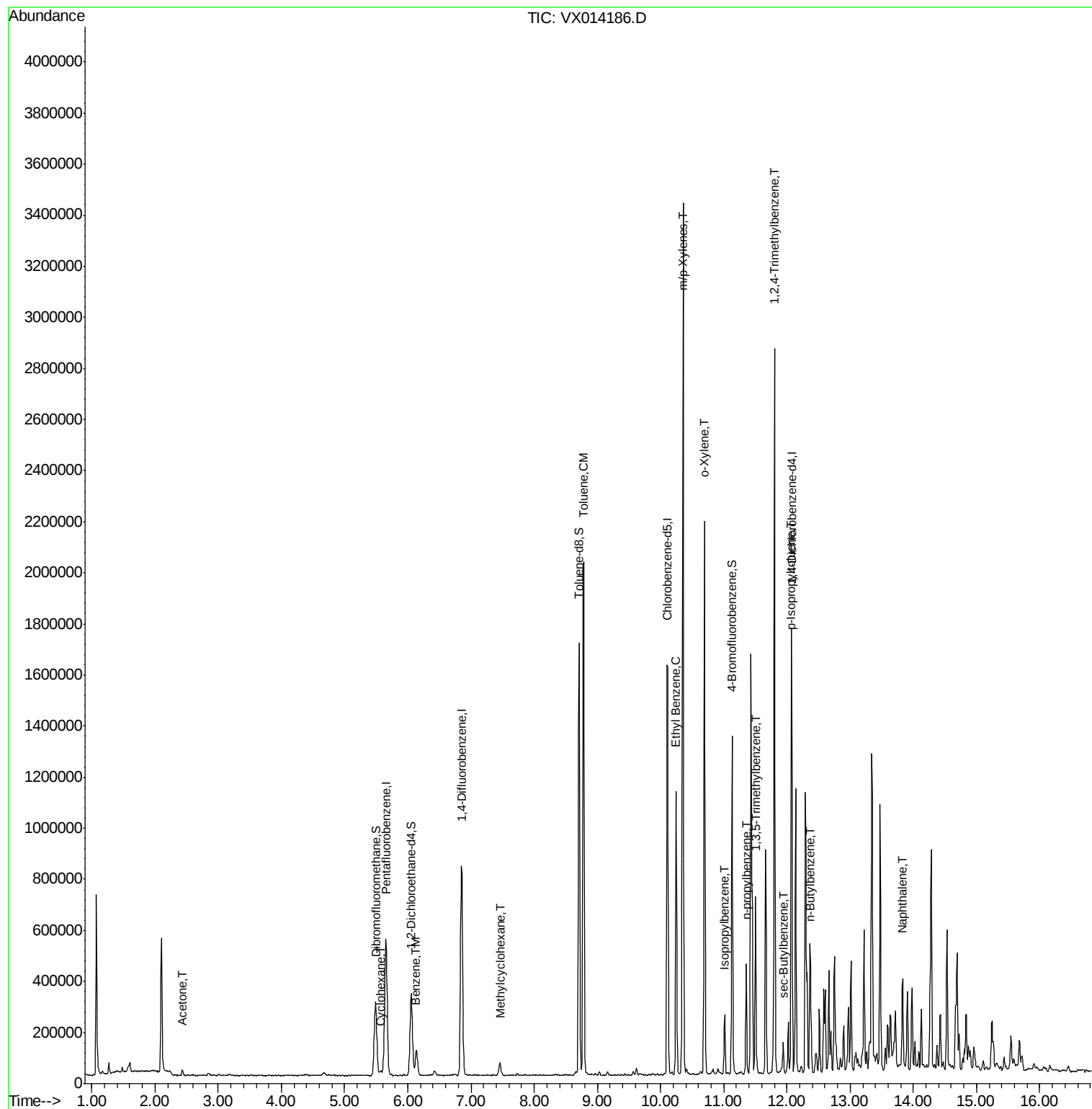
					Qvalue	
16) Acetone	2.43	43	23200	5.655	ug/l	99
31) Cyclohexane	5.57	56	12742	1.349	ug/l	92
39) Methylcyclohexane	7.46	83	23211	2.401	ug/l #	83
40) Benzene	6.13	78	120632	5.007	ug/l	98
52) Toluene	8.78	92	779316	51.175	ug/l	99
67) Ethyl Benzene	10.25	91	643283	22.899	ug/l	98
68) m/p-Xylenes	10.36	106	831928	76.996	ug/l	100
69) o-Xylene	10.70	106	480373	45.332	ug/l	99
73) Isopropylbenzene	11.01	105	120497	4.692	ug/l	99
78) n-propylbenzene	11.35	91	262983	9.129	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	290379	13.435	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1193660	55.147	ug/l	99
85) sec-Butylbenzene	11.94	105	62579	2.520	ug/l	91
86) p-Isopropyltoluene	12.06	119	36371	1.601	ug/l	95
89) n-Butylbenzene	12.38	91	78852	4.069	ug/l #	33
95) Naphthalene	13.83	128	224672	9.438	ug/l	99

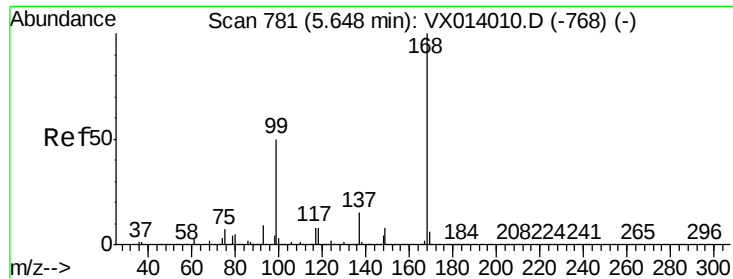
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014186.D

Acq: 20 Dec 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

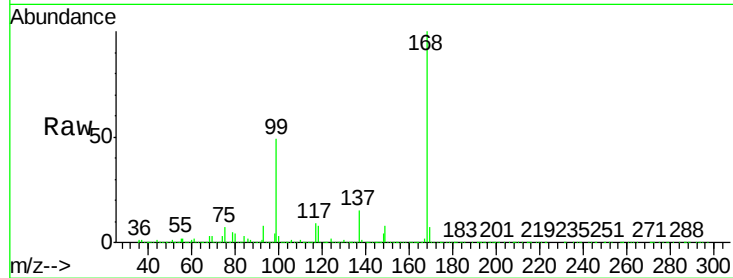
30604DL

Tot Ion:168 Resp: 557572

Ion Ratio Lower Upper

168 100

99 48.9 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

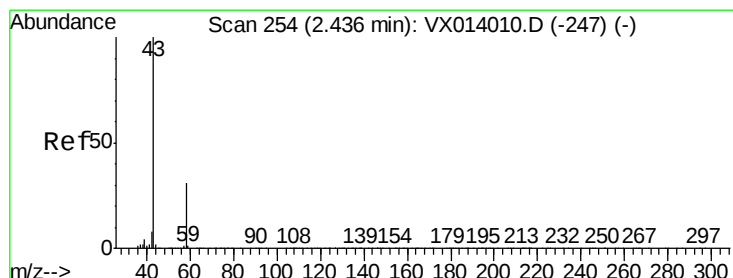
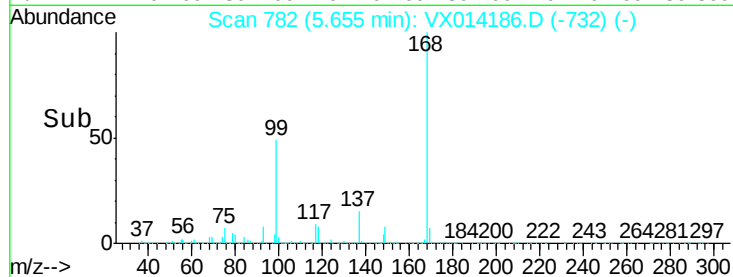
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.655 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014186.D

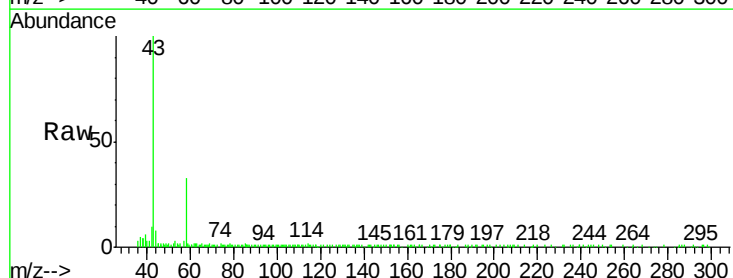
Acq: 20 Dec 2019 19:55

Tgt Ion: 43 Resp: 23200

Ion Ratio Lower Upper

43 100

58 30.7 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

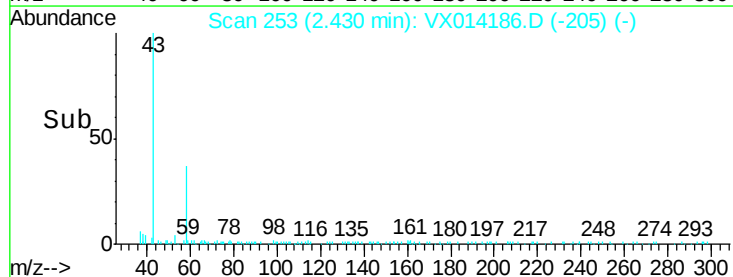
15000

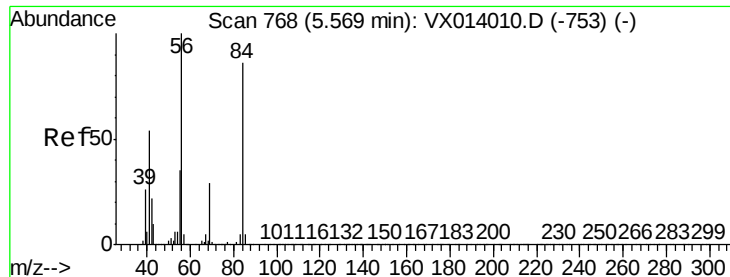
10000

5000

0

Time-->





#31

Cyclohexane

Concen: 1.349 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

Instrument :

MSVOA_X

ClientSampleID :

30604DL

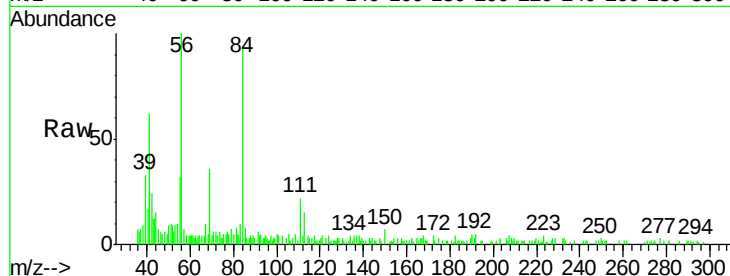
Tot Ion: 56 Resp: 12742

Ion Ratio Lower Upper

56 100

69 29.8 23.2 34.8

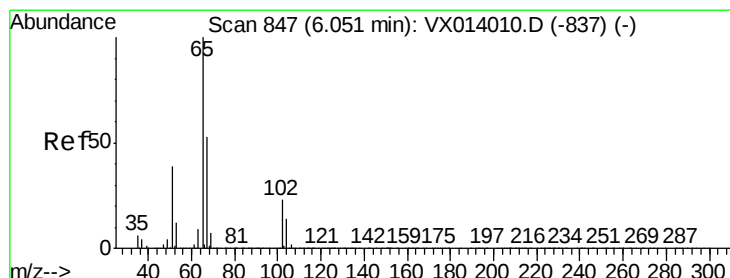
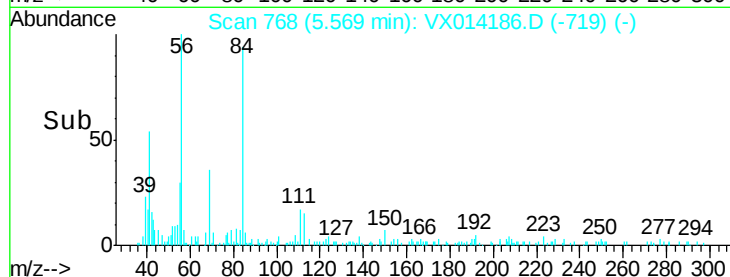
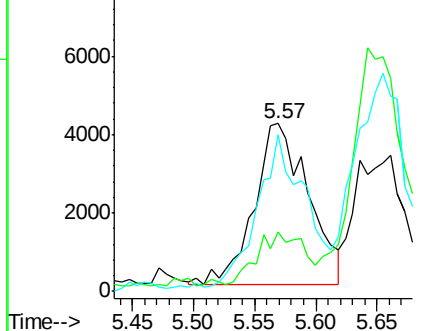
84 96.5 69.2 103.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.976 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014186.D

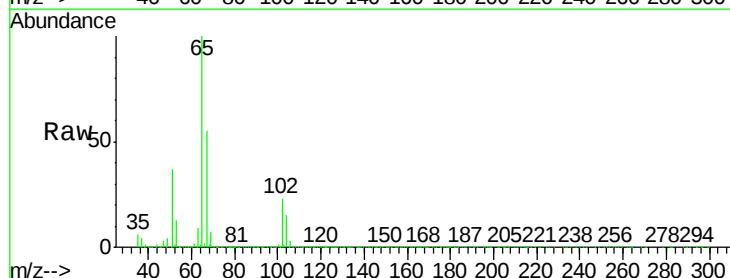
Acq: 20 Dec 2019 19:55

Tgt Ion: 65 Resp: 303177

Ion Ratio Lower Upper

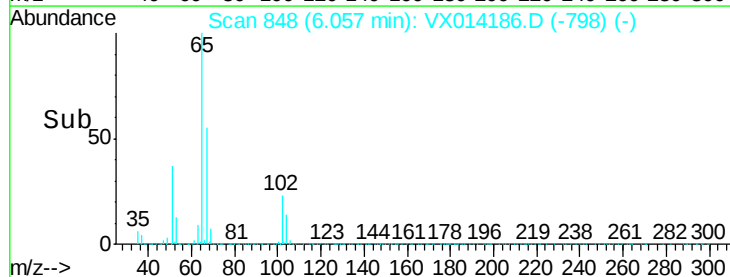
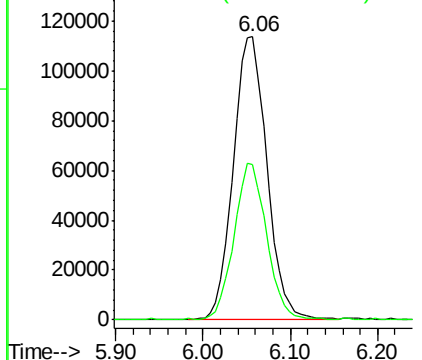
65 100

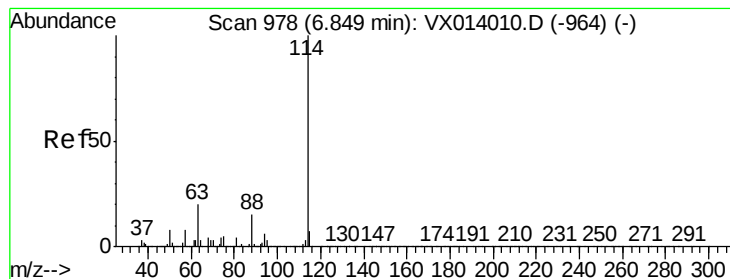
67 53.5 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

30604DL

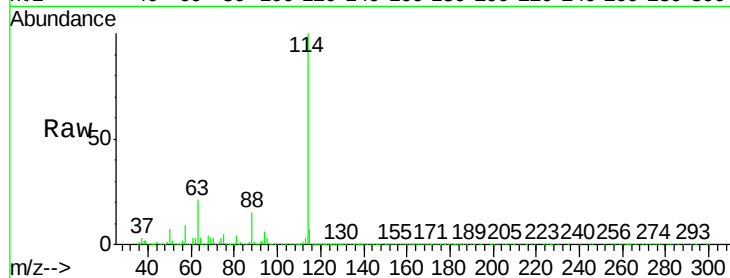
Tot Ion:114 Resp: 853387

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

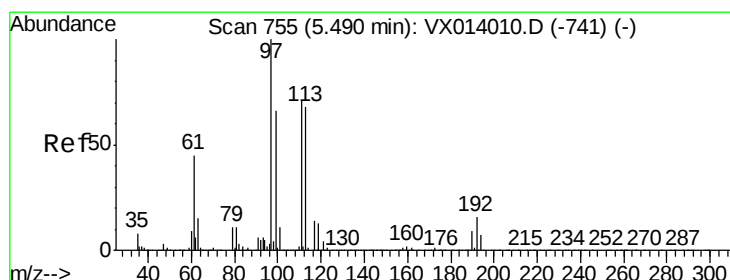
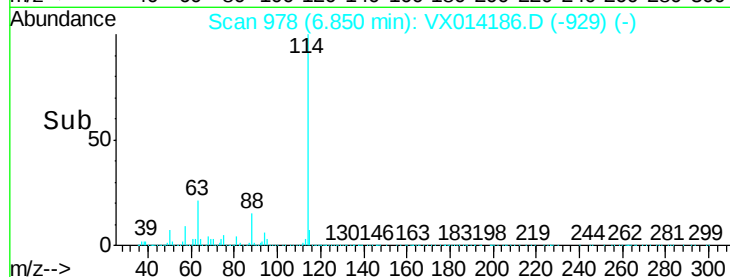
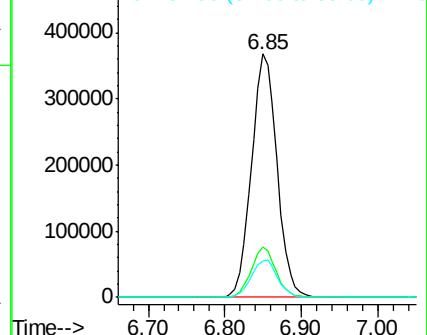
88 14.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.110 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

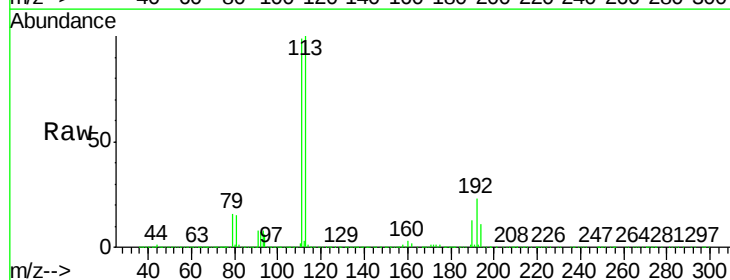
Tgt Ion:113 Resp: 249578

Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

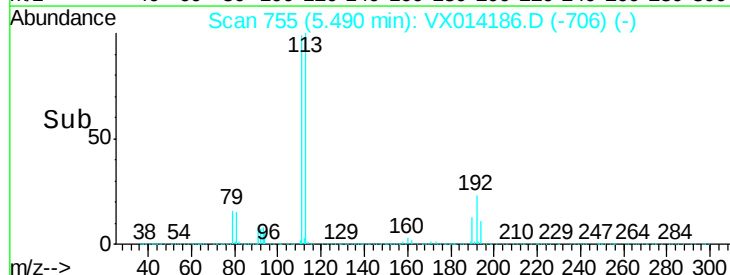
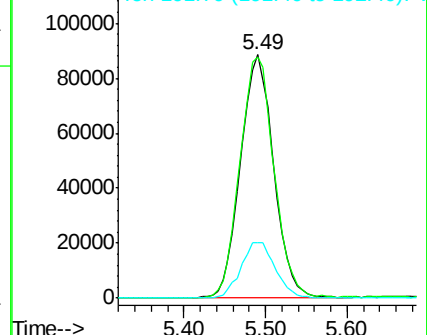
192 23.9 19.3 28.9

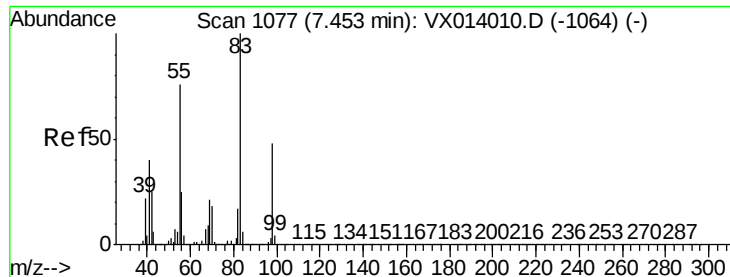


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methvlcvclohexane

Concen: 2.401 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

30604DL

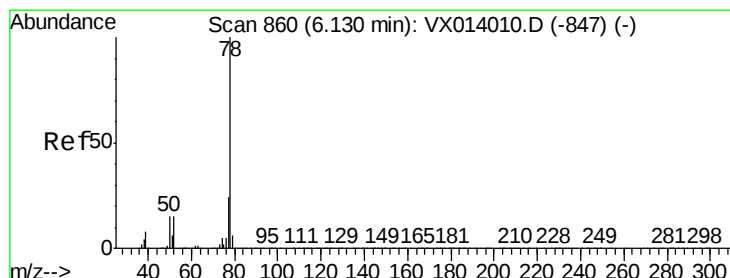
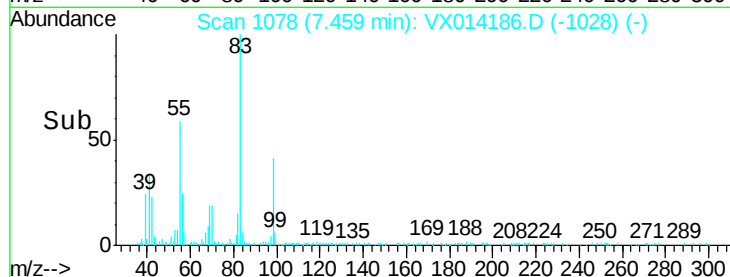
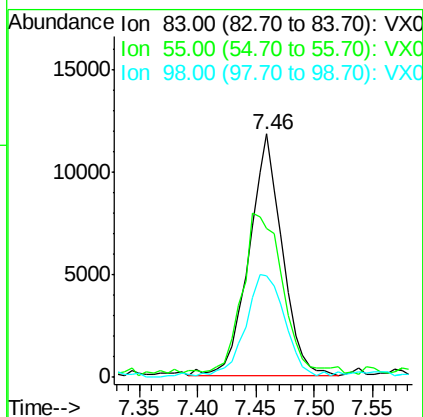
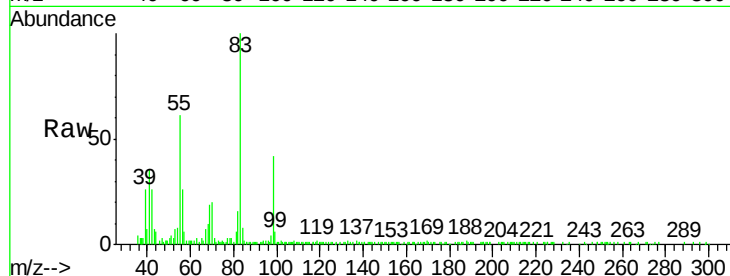
Tot Ion: 83 Resp: 23211

Ion Ratio Lower Upper

83 100

55 58.4 61.0 91.6#

98 40.6 38.6 57.8



#40

Benzene

Concen: 5.007 ug/l

RT: 6.13 min Scan# 860

Delta R.T. 0.00 min

Lab File: VX014186.D

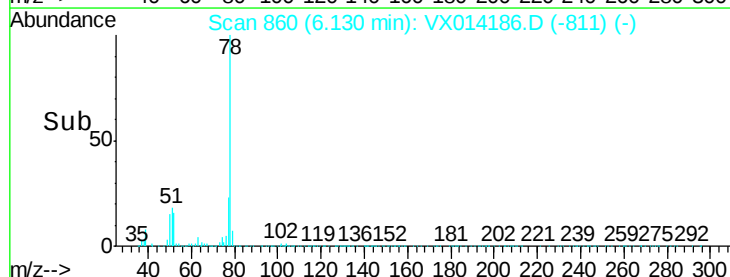
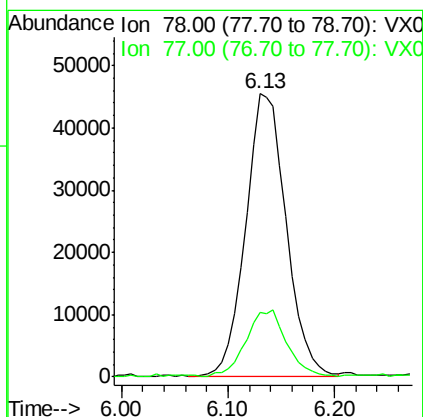
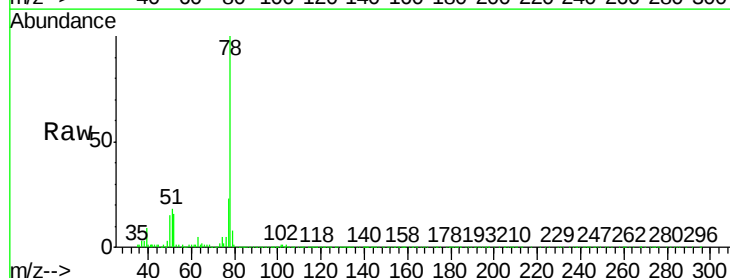
Acq: 20 Dec 2019 19:55

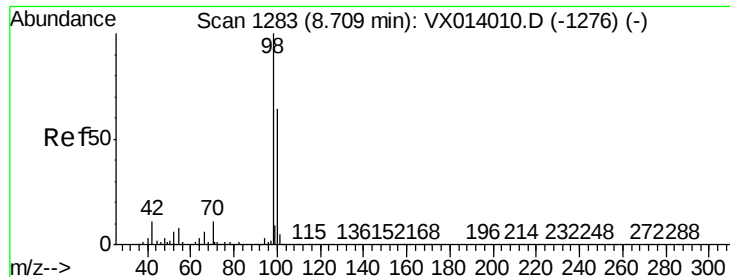
Tgt Ion: 78 Resp: 120632

Ion Ratio Lower Upper

78 100

77 22.3 18.8 28.2





#50

Toluene-d8

Concen: 50.308 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

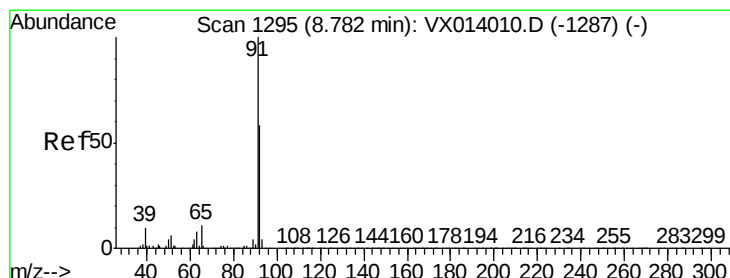
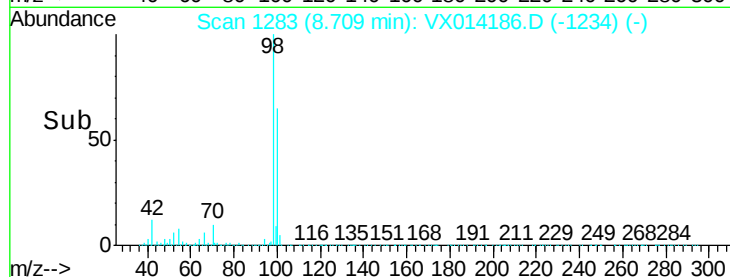
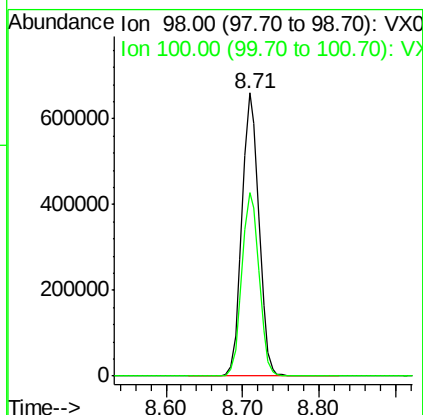
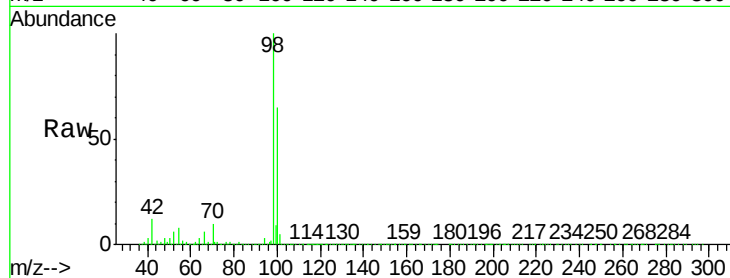
30604DL

Tot Ion: 98 Resp: 1016070

Ion Ratio Lower Upper

98 100

100 65.7 52.9 79.3



#52

Toluene

Concen: 51.175 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014186.D

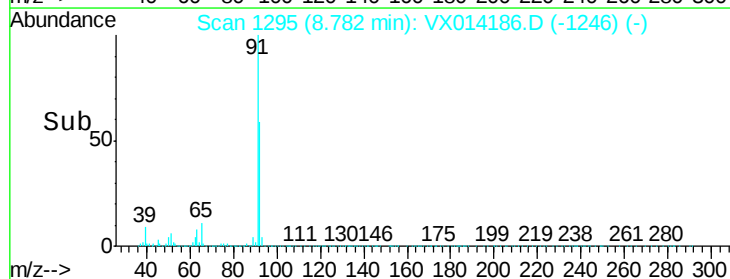
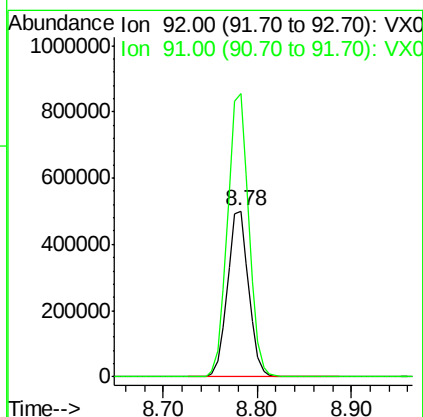
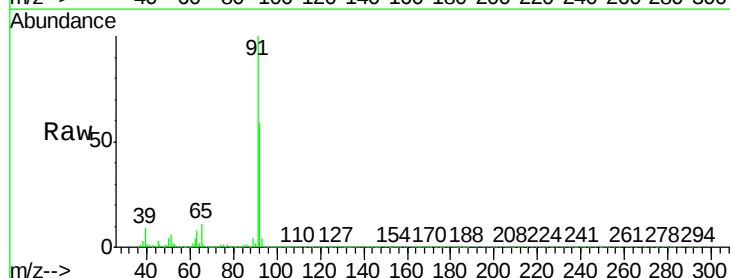
Acq: 20 Dec 2019 19:55

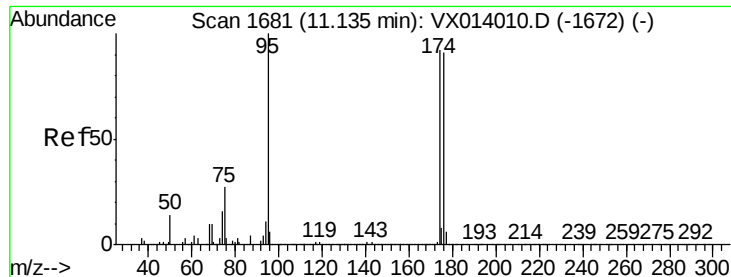
Tgt Ion: 92 Resp: 779316

Ion Ratio Lower Upper

92 100

91 171.7 136.2 204.4





#62

4-Bromofluorobenzene

Concen: 48.426 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

30604DL

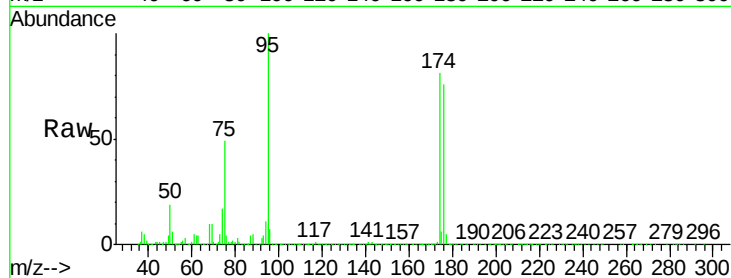
Tot Ion: 95 Resp: 357523

Ion Ratio Lower Upper

95 100

174 89.1 0.0 175.8

176 85.4 0.0 173.0

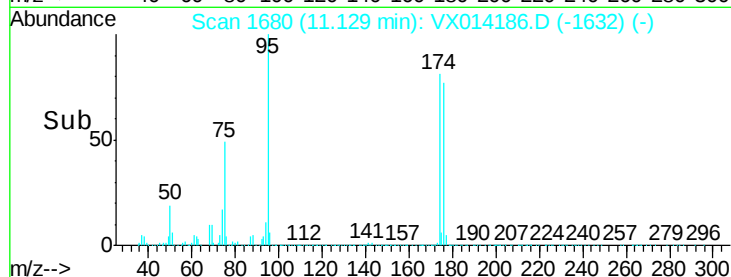


Abundance Ion 94.90 (94.60 to 95.60): VX014186.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX014186.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX014186.D (-1632) (-)

Time-->

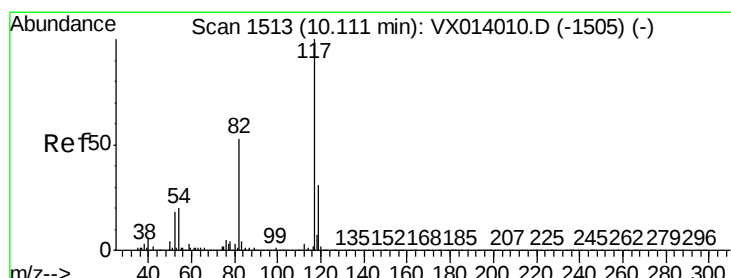


Abundance Ion 94.90 (94.60 to 95.60): VX014186.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX014186.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX014186.D (-1632) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

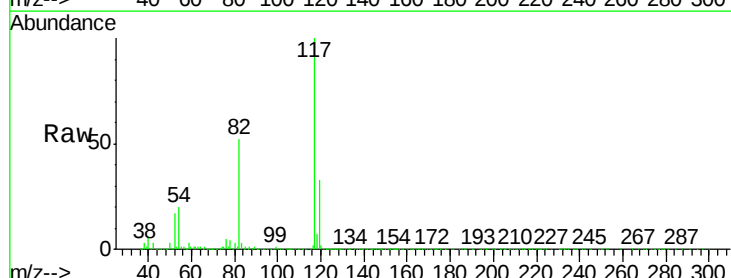
Tgt Ion: 117 Resp: 768501

Ion Ratio Lower Upper

117 100

82 52.1 42.2 63.4

119 32.5 25.1 37.7

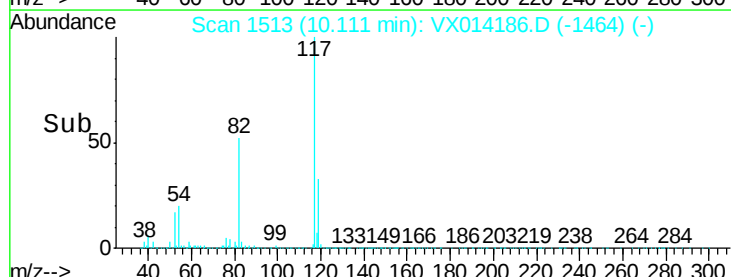


Abundance Ion 116.90 (116.60 to 117.60): VX014186.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014186.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014186.D (-1464) (-)

Time-->

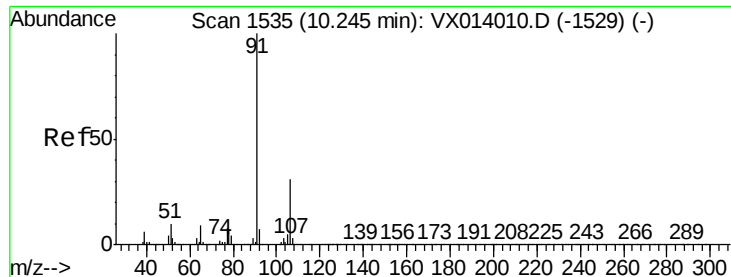


Abundance Ion 116.90 (116.60 to 117.60): VX014186.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014186.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014186.D (-1464) (-)

Time-->



#67

Ethyl Benzene

Concen: 22.899 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

Instrument :

MSVOA_X

ClientSampled :

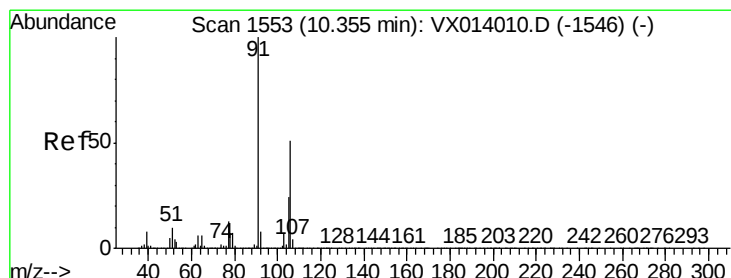
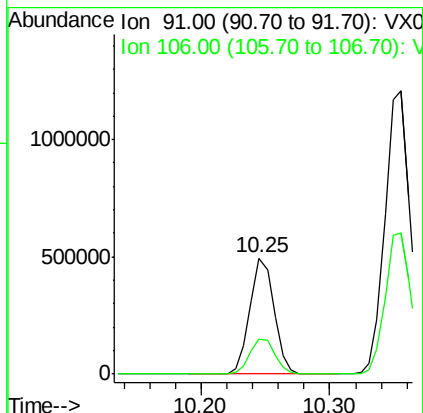
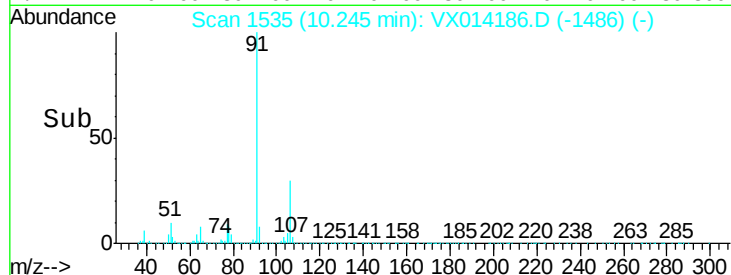
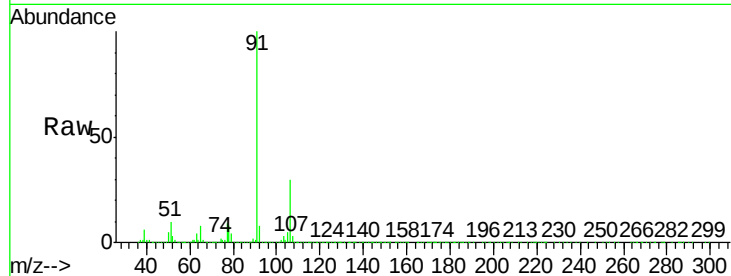
30604DL

Tot Ion: 91 Resp: 643283

Ion Ratio Lower Upper

91 100

106 30.2 25.0 37.6



#68

m/p-Xylenes

Concen: 76.996 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014186.D

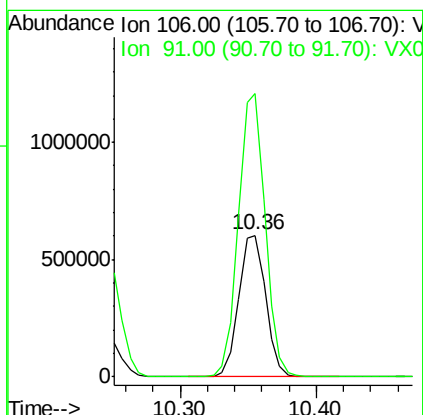
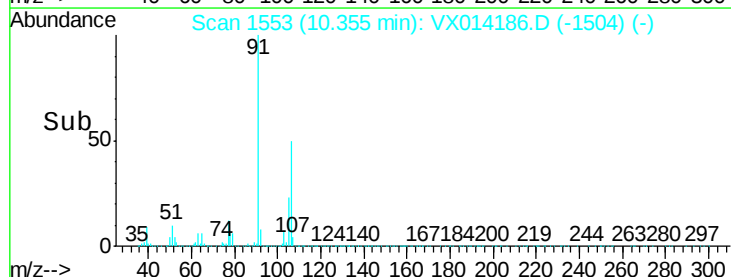
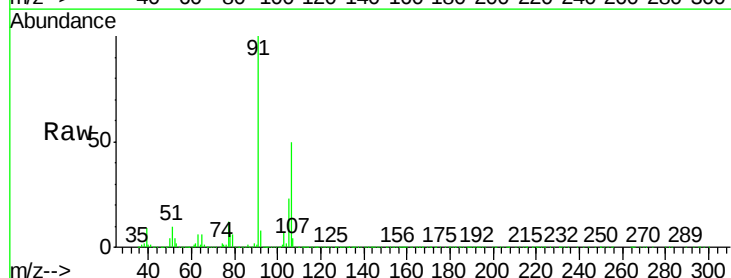
Acq: 20 Dec 2019 19:55

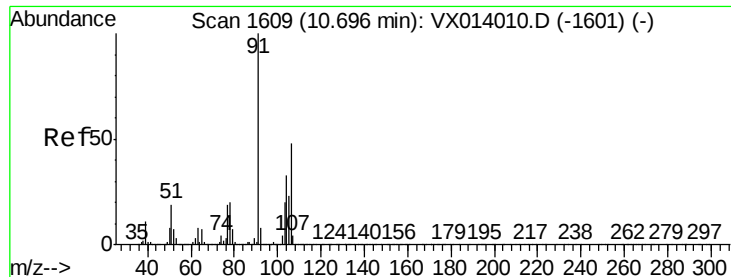
Tgt Ion: 106 Resp: 831928

Ion Ratio Lower Upper

106 100

91 198.7 158.6 238.0

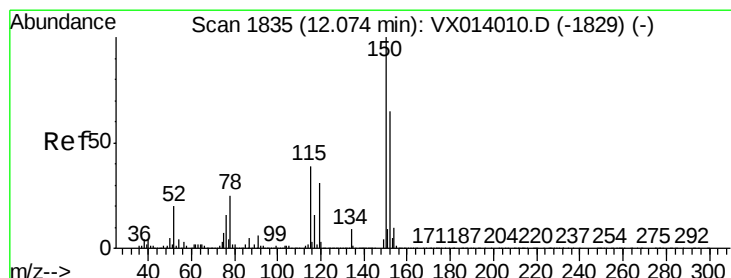
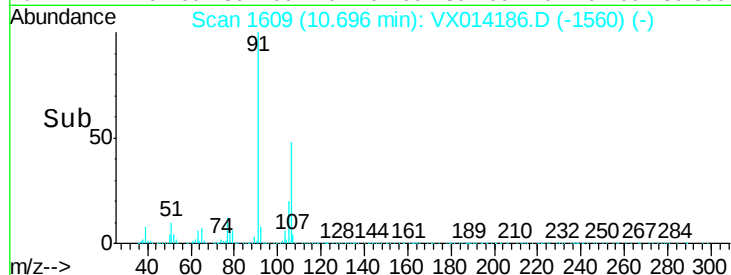
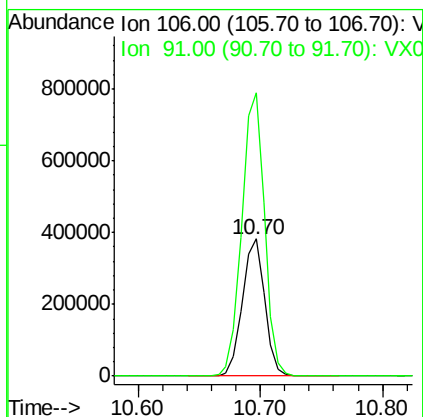
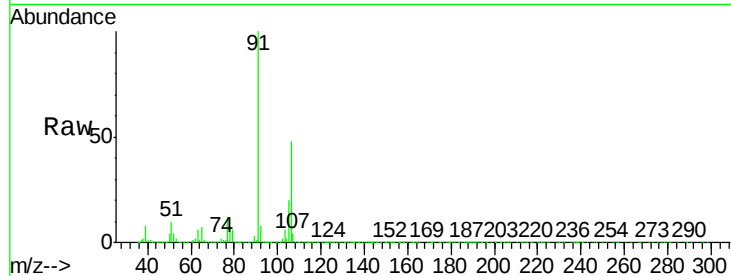




#69
o-Xylene
Concen: 45.332 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014186.D
Acq: 20 Dec 2019 19:55

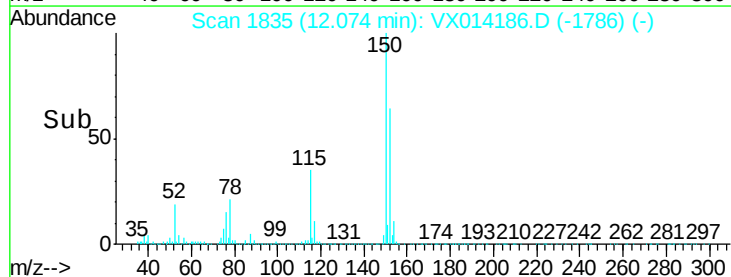
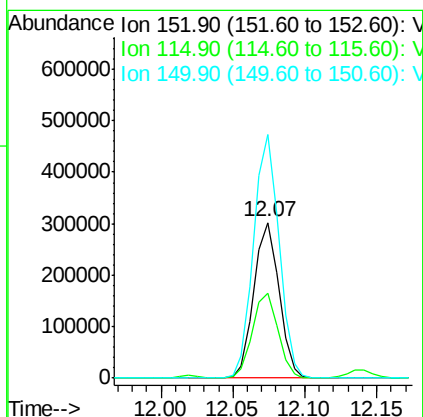
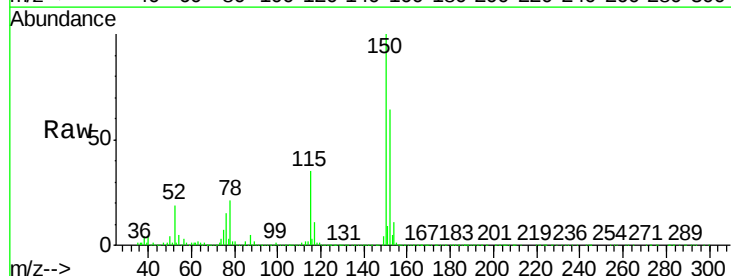
Instrument :
MSVOA_X
ClientSampleID :
30604DL

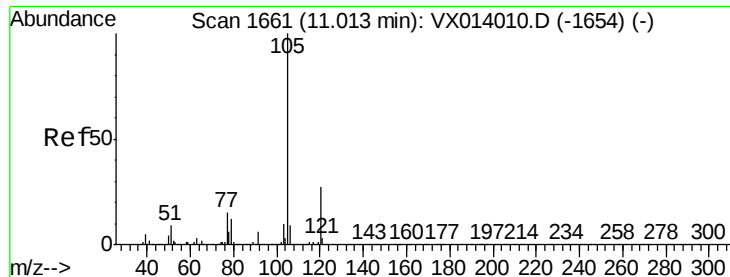
Tot Ion:106 Resp: 480373
Ion Ratio Lower Upper
106 100
91 209.9 104.2 312.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014186.D
Acq: 20 Dec 2019 19:55

Tgt Ion:152 Resp: 364755
Ion Ratio Lower Upper
152 100
115 55.6 38.3 114.9
150 157.3 0.0 345.4





#73

Isopropylbenzene

Concen: 4.692 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

Instrument :

MSVOA_X

ClientSampled :

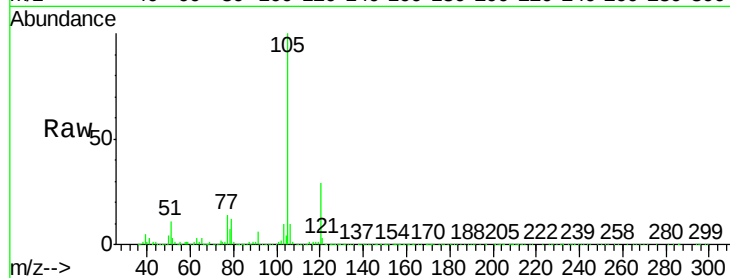
30604DL

Tot Ion:105 Resp: 120497

Ion Ratio Lower Upper

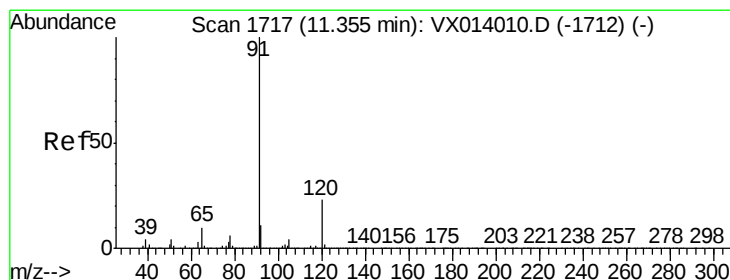
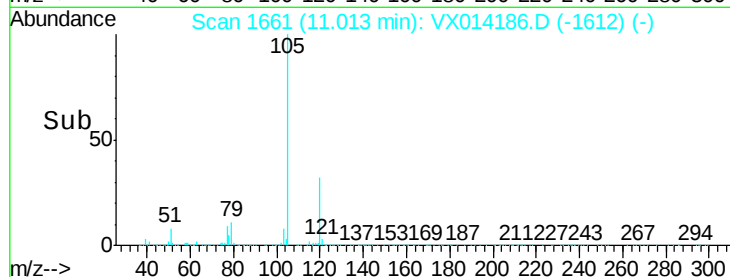
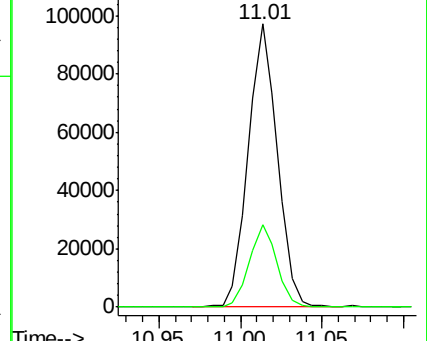
105 100

120 27.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 9.129 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014186.D

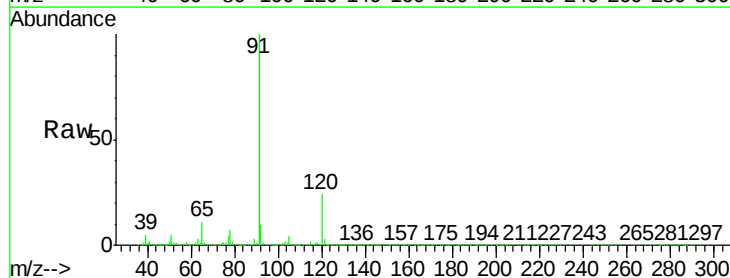
Acq: 20 Dec 2019 19:55

Tgt Ion: 91 Resp: 262983

Ion Ratio Lower Upper

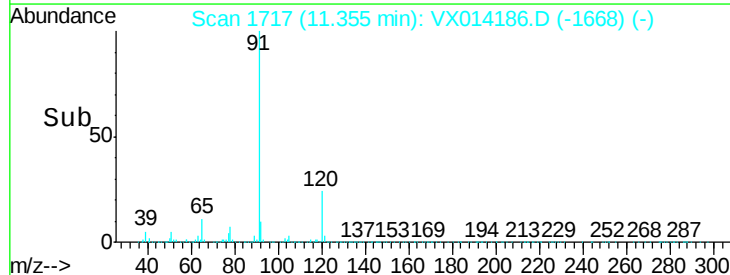
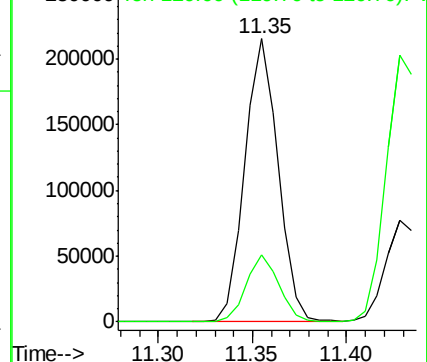
91 100

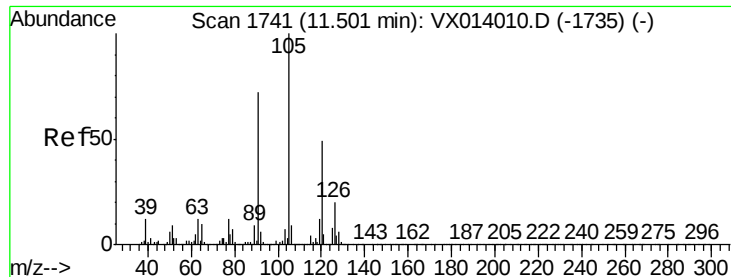
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

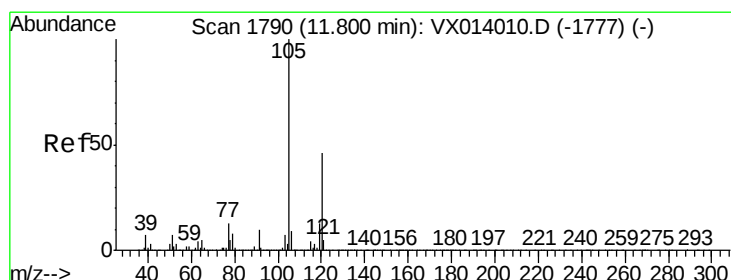
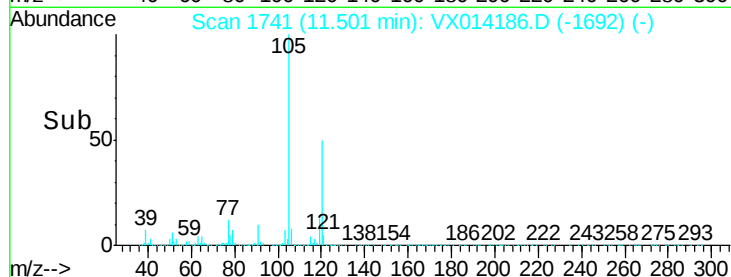
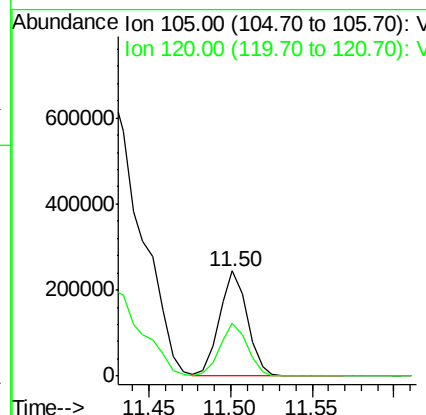
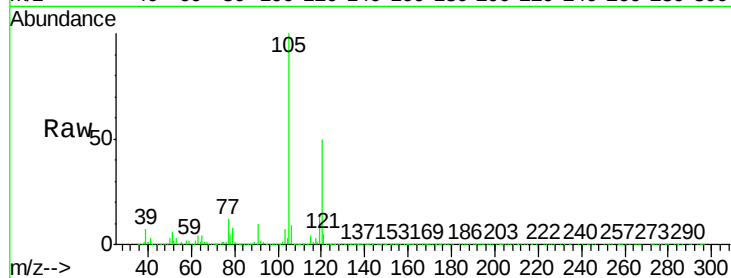




#80
 1,3,5-Trimethylbenzene
 Concen: 13.435 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014186.D
 Acq: 20 Dec 2019 19:55

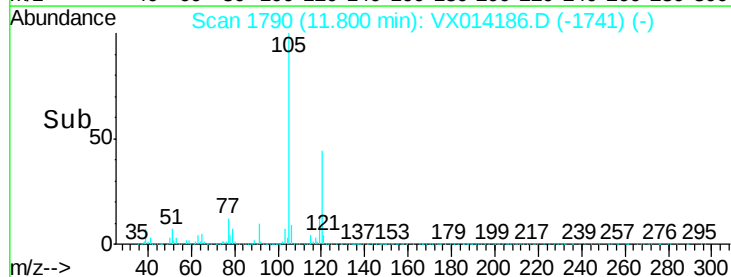
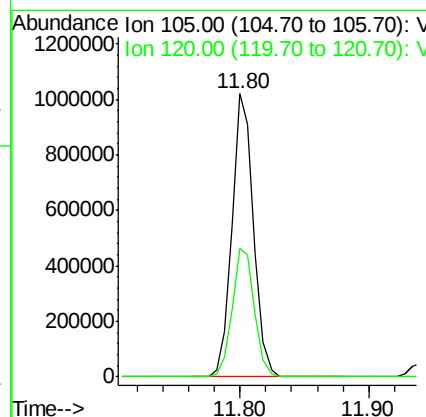
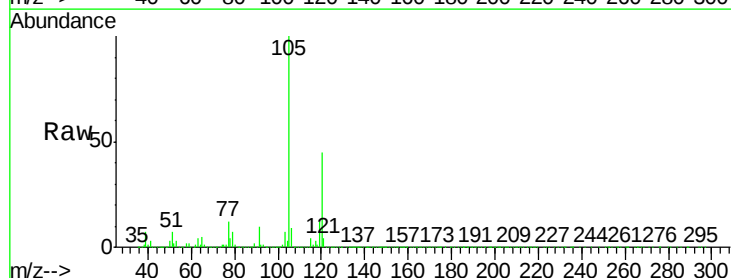
Instrument :
 MSVOA_X
 ClientSampleId :
 30604DL

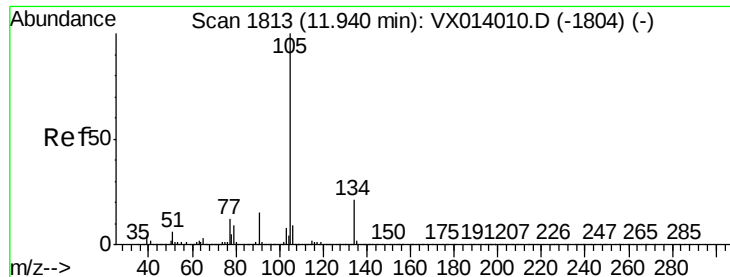
Tot Ion:105 Resp: 290379
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.3 75.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.147 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014186.D
 Acq: 20 Dec 2019 19:55

Tgt Ion:105 Resp: 1193660
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.1 69.2

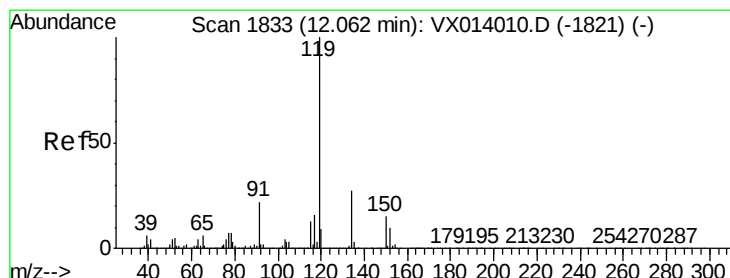
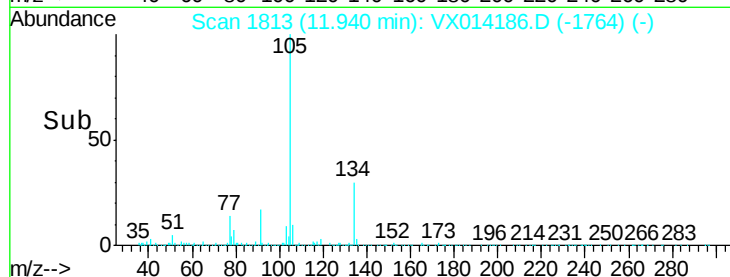
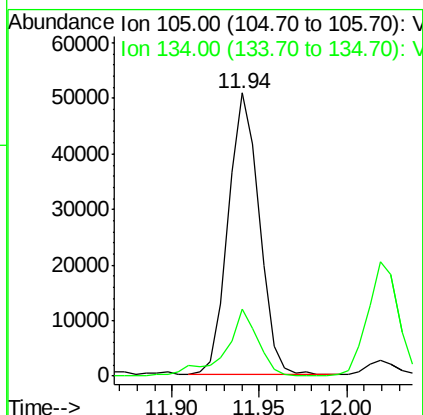
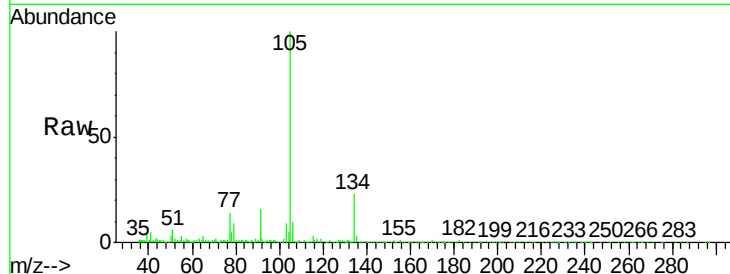




#85
 sec-Butylbenzene
 Concen: 2.520 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014186.D
 Acq: 20 Dec 2019 19:55

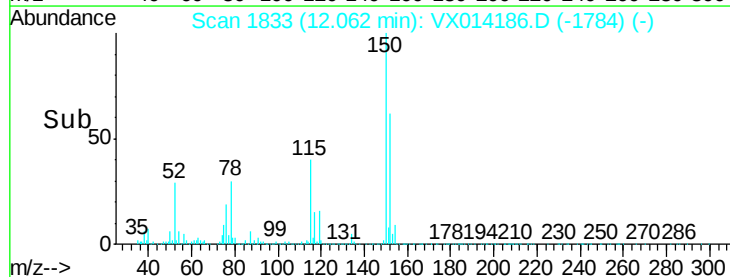
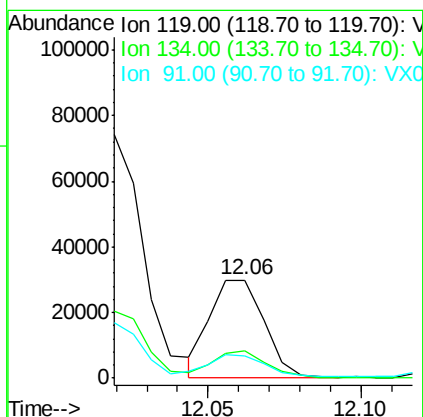
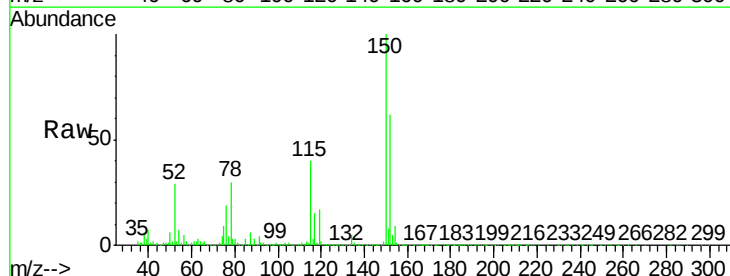
Instrument :
 MSVOA_X
 ClientSampleID :
 30604DL

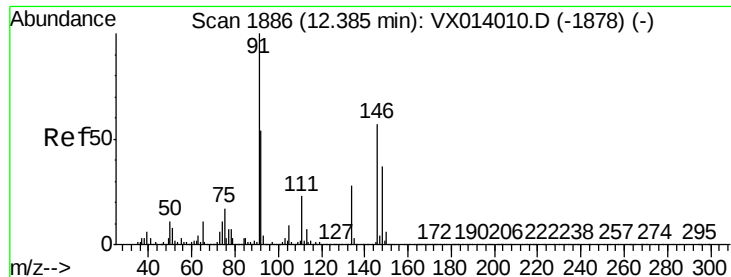
Tot Ion:105 Resp: 62579
 Ion Ratio Lower Upper
 105 100
 134 24.9 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 1.601 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014186.D
 Acq: 20 Dec 2019 19:55

Tgt Ion:119 Resp: 36371
 Ion Ratio Lower Upper
 119 100
 134 28.4 13.4 40.1
 91 25.7 11.4 34.1





#89

n-Butylbenzene

Concen: 4.069 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

Instrument :

MSVOA_X

ClientSampled :

30604DL

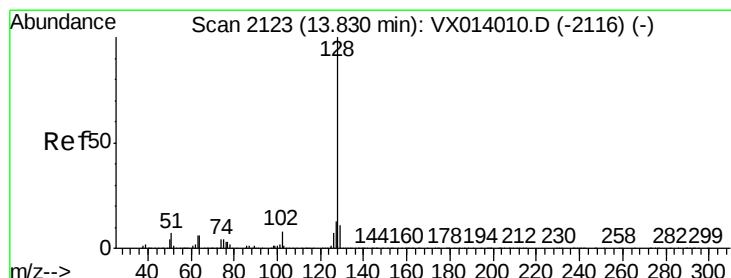
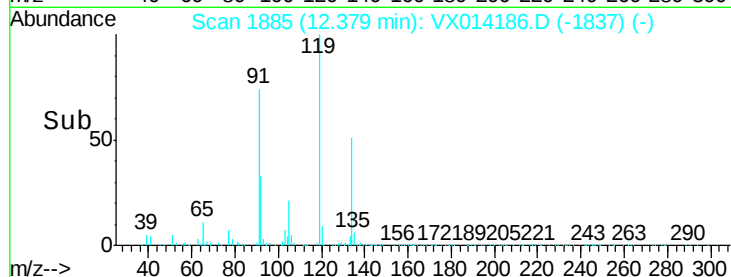
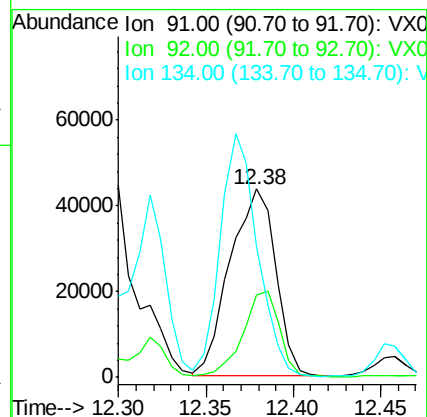
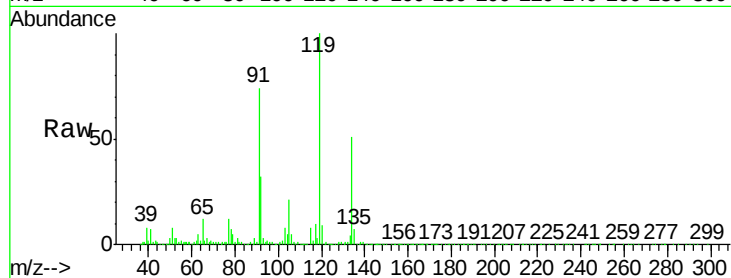
Tot Ion: 91 Resp: 78852

Ion Ratio Lower Upper

91 100

92 37.2 27.2 81.6

134 106.1 13.4 40.1#



#95

Naphthalene

Concen: 9.438 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014186.D

Acq: 20 Dec 2019 19:55

Tgt Ion: 128 Resp: 224672

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 11.4 8.7 13.1

