

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015886.D
 Acq On : 23 Apr 2020 13:37
 Operator : JC/SP
 Sample : L2380-14DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-200421DL

Quant Time: Apr 24 04:42:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	843923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1285174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1250542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	737823	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	472735	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
35) Dibromofluoromethane	5.47	113	372828	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	8.70	98	1573458	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
62) 4-Bromofluorobenzene	11.12	95	689180	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	

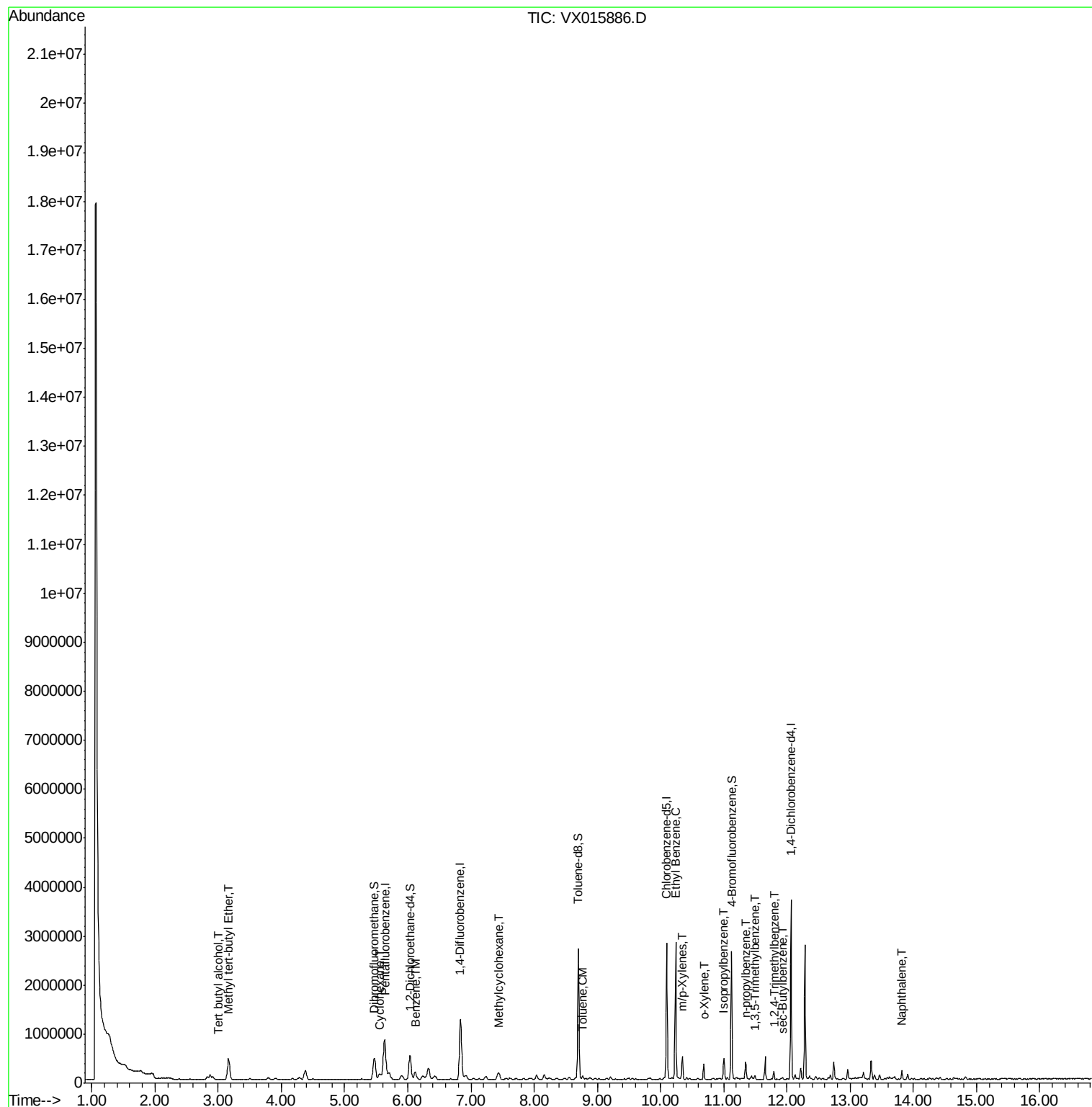
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	12750	6.501	ug/l #	73
19) Methyl tert-butyl Ether	3.17	73	390200	14.953	ug/l #	69
31) Cyclohexane	5.56	56	79605	5.677	ug/l #	82
39) Methylcyclohexane	7.44	83	53901	3.736	ug/l #	85
40) Benzene	6.12	78	190669	5.556	ug/l	97
52) Toluene	8.77	92	24798	1.127	ug/l	97
67) Ethyl Benzene	10.24	91	1637562	37.290	ug/l	99
68) m/p-Xylenes	10.34	106	108978	6.611	ug/l	99
69) o-Xylene	10.68	106	66857	4.122	ug/l	97
73) Isopropylbenzene	11.00	105	224697	4.795	ug/l	98
78) n-propylbenzene	11.34	91	205866	3.835	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	33709	0.844	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	77331	1.864	ug/l	95
85) sec-Butylbenzene	11.93	105	14074	0.301	ug/l	90
95) Naphthalene	13.82	128	108205	2.141	ug/l #	96

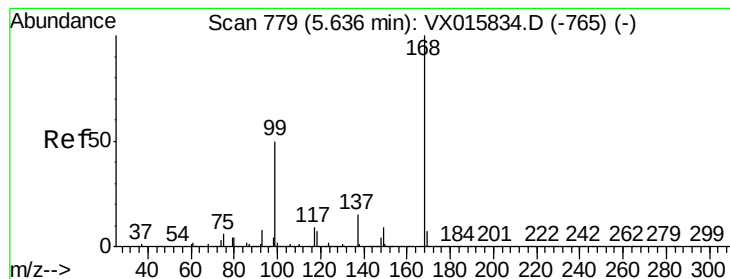
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

Instrument :

MSVOA_X

ClientSampleId :

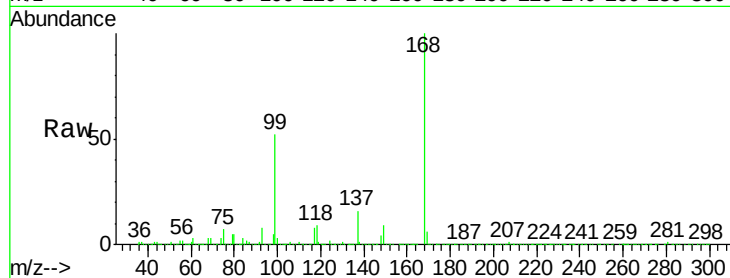
KY001MW031-200421DL

Tot Ion:168 Resp: 843923

Ion Ratio Lower Upper

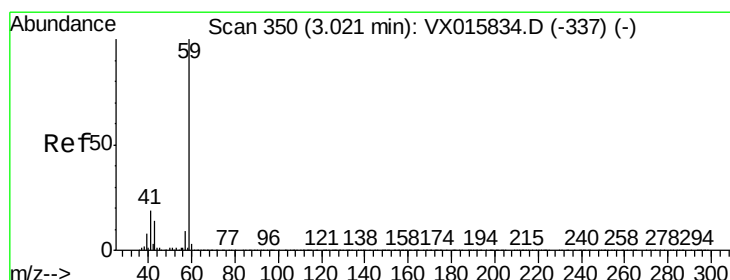
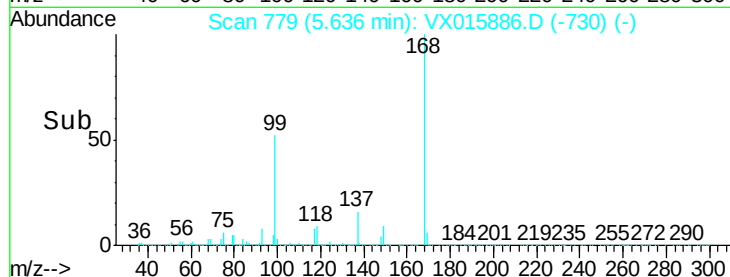
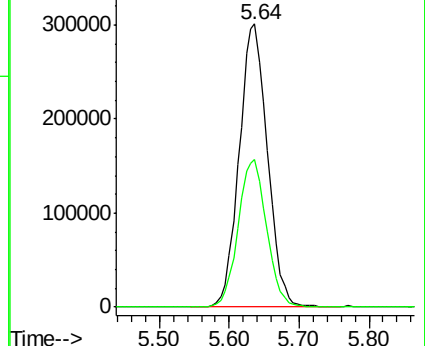
168 100

99 52.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 6.501 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015886.D

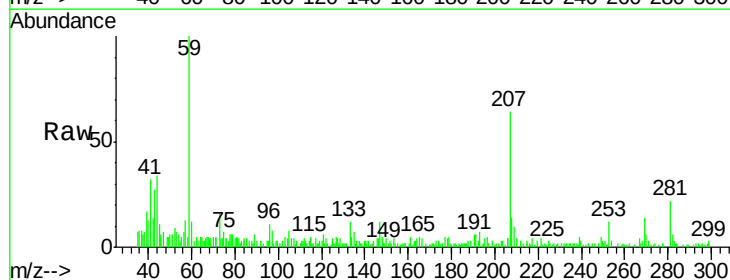
Acq: 23 Apr 2020 13:37

Tgt Ion: 59 Resp: 12750

Ion Ratio Lower Upper

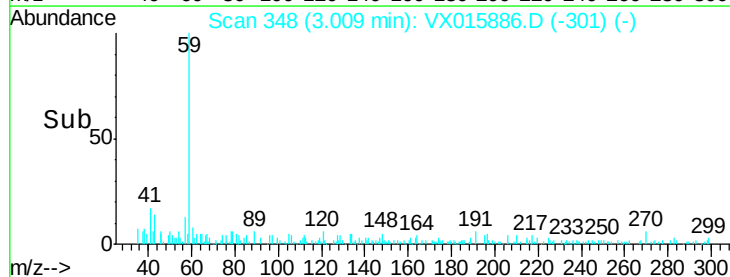
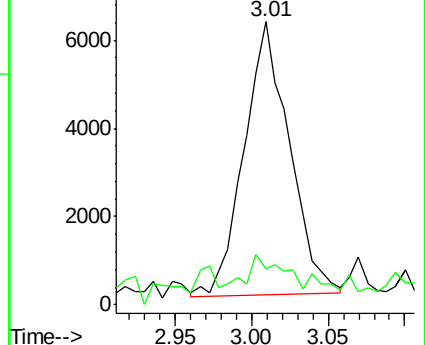
59 100

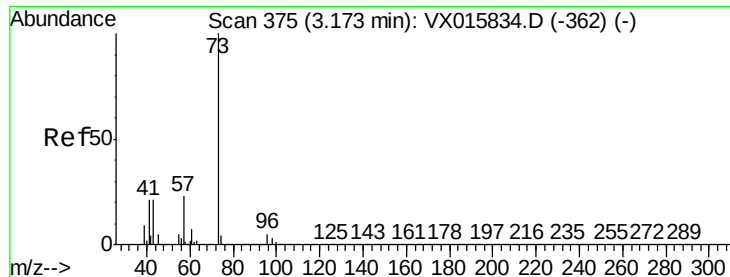
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

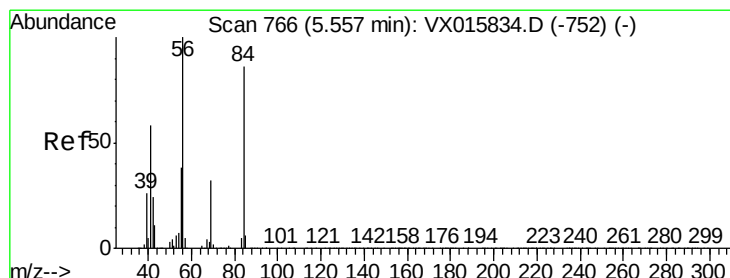
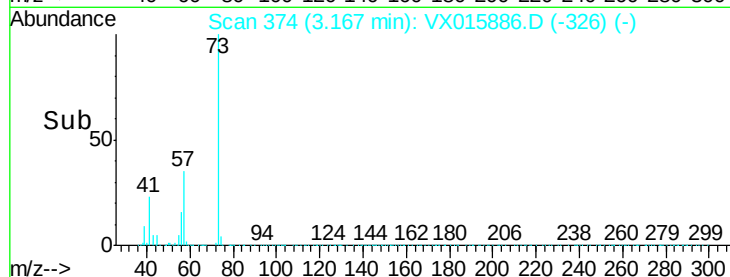
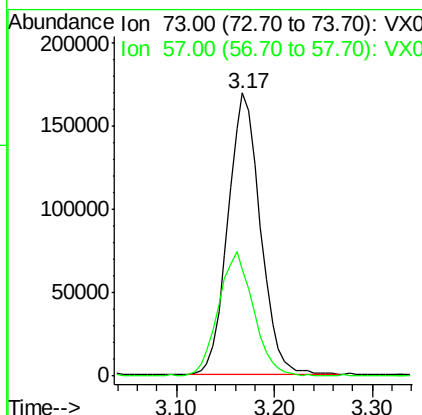
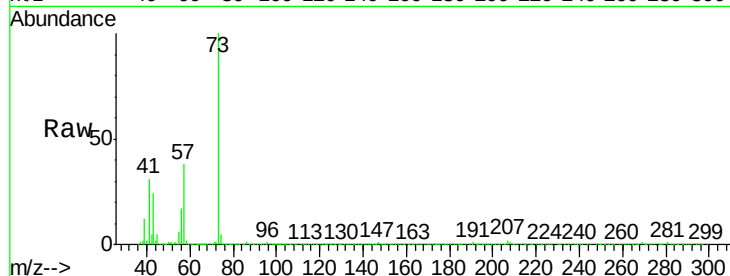




#19
Methyl tert-butyl Ether
Concen: 14.953 ug/l
RT: 3.17 min Scan# 374
Delta R.T. -0.01 min
Lab File: VX015886.D
Acq: 23 Apr 2020 13:37

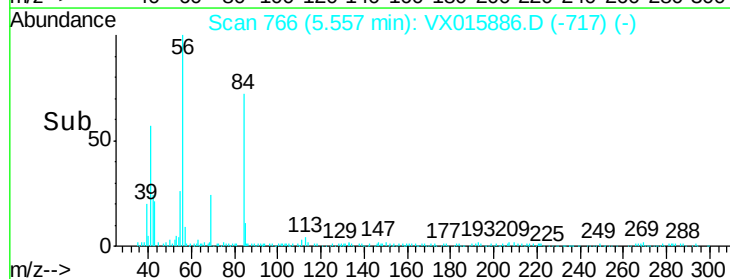
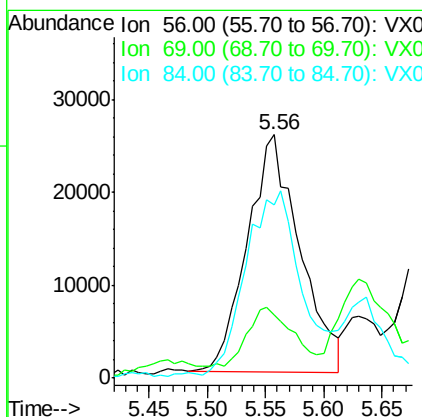
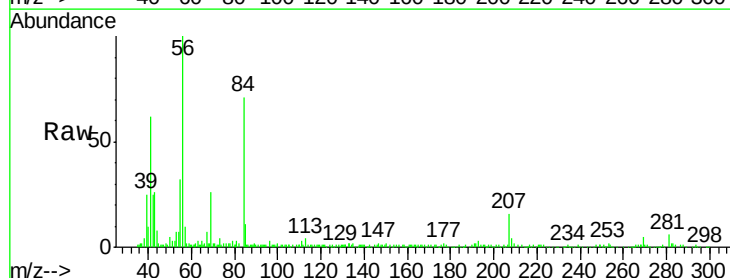
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-200421DL

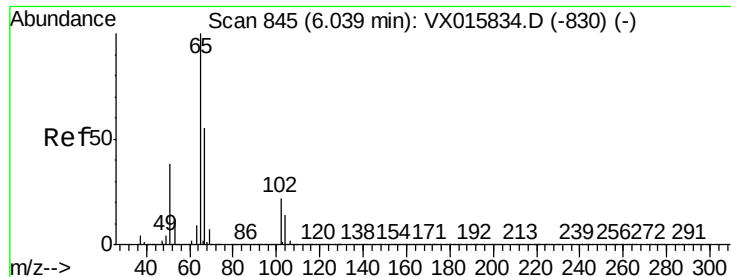
Tot Ion: 73 Resp: 390200
Ion Ratio Lower Upper
73 100
57 37.6 18.1 27.1#



#31
Cyclohexane
Concen: 5.677 ug/l
RT: 5.56 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015886.D
Acq: 23 Apr 2020 13:37

Tgt Ion: 56 Resp: 79605
Ion Ratio Lower Upper
56 100
69 20.7 25.3 37.9#
84 71.0 69.1 103.7





#33

1,2-Dichloroethane-d4

Concen: 49.251 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.01 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

Instrument :

MSVOA_X

ClientSampleId :

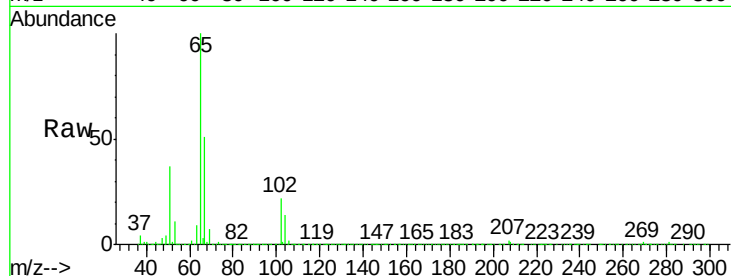
KY001MW031-200421DL

Tot Ion: 65 Resp: 472735

Ion Ratio Lower Upper

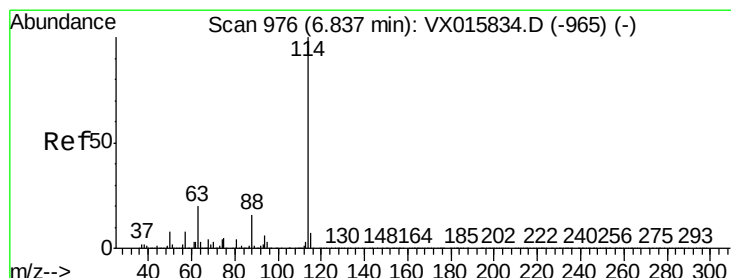
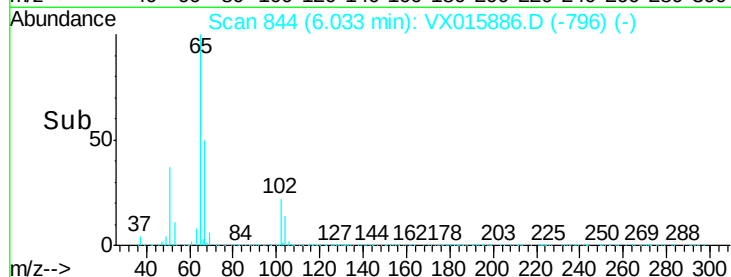
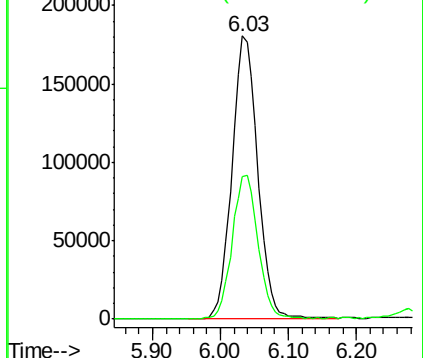
65 100

67 50.8 0.0 104.2



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: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

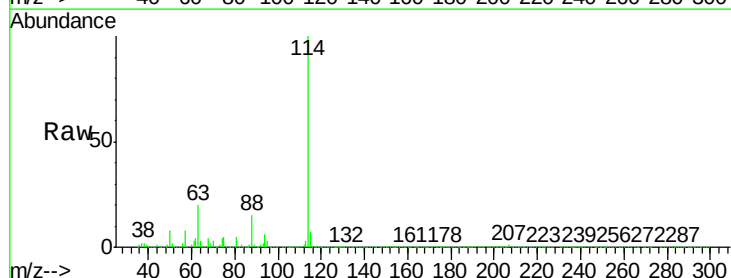
Tgt Ion: 114 Resp: 1285174

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

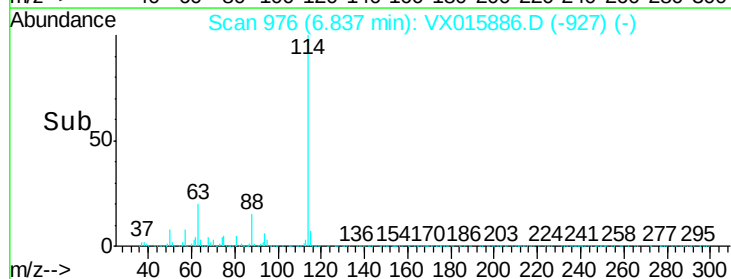
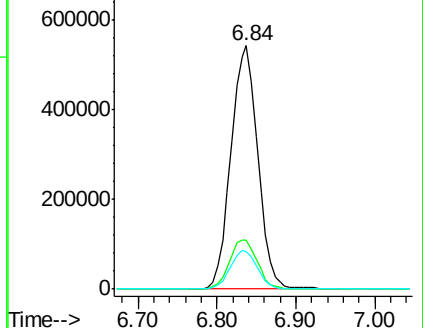
88 15.3 0.0 32.8

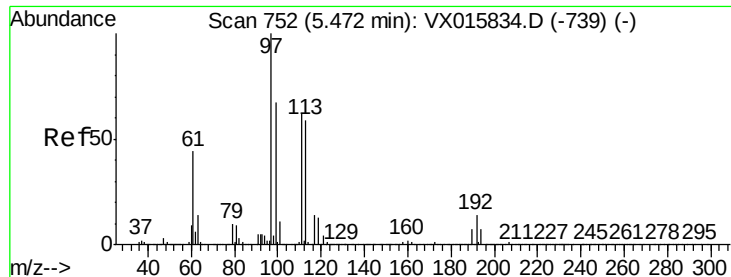


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.258 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-200421DL

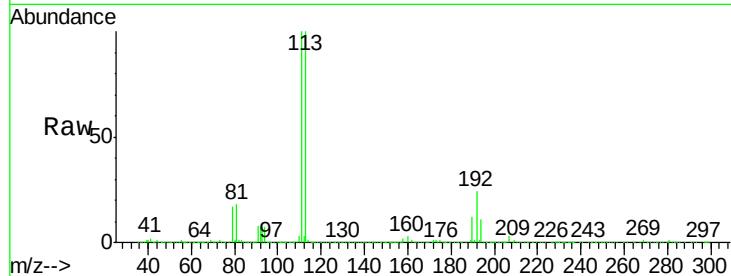
Tot Ion:113 Resp: 372828

Ion Ratio Lower Upper

113 100

111 104.9 82.7 124.1

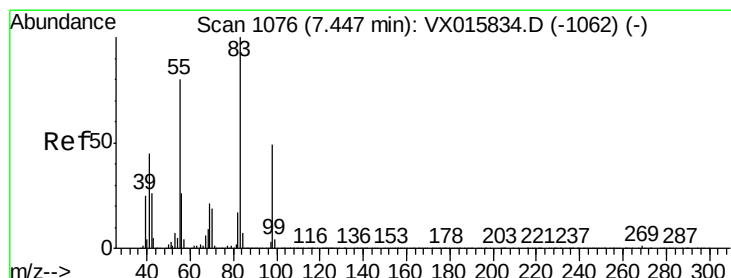
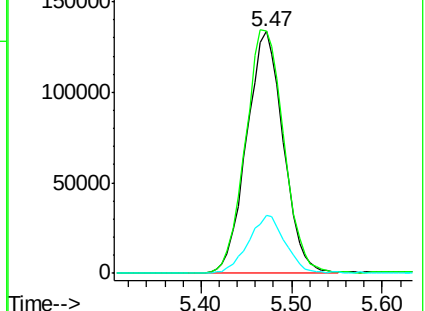
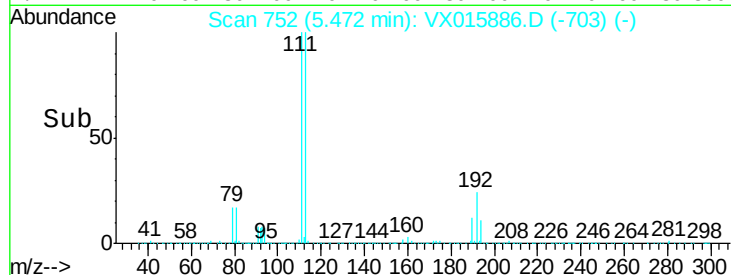
192 23.6 19.3 28.9



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

Methylcyclohexane

Concen: 3.736 ug/l

RT: 7.44 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

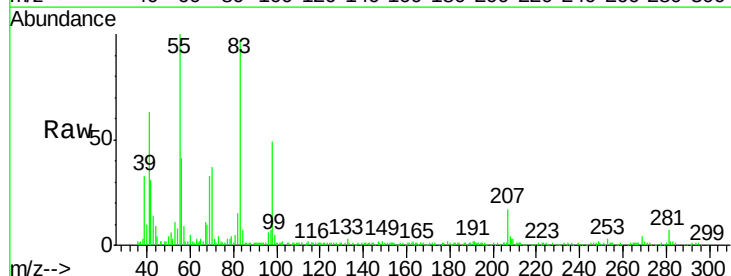
Tgt Ion: 83 Resp: 53901

Ion Ratio Lower Upper

83 100

55 100.6 64.2 96.4#

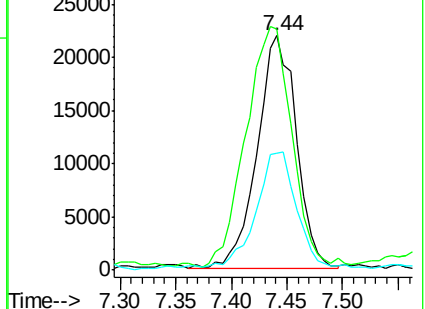
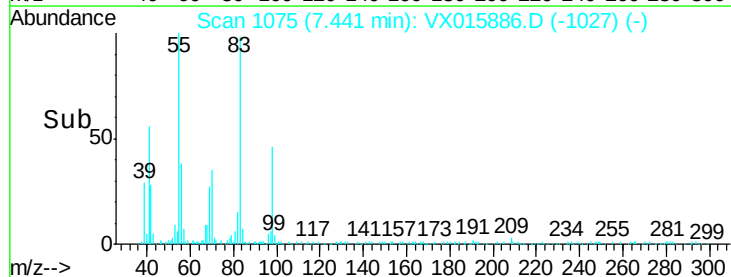
98 48.5 39.3 58.9

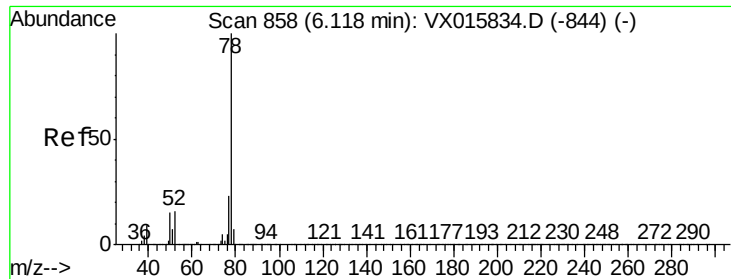


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 5.556 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

Instrument :

MSVOA_X

ClientSampleId :

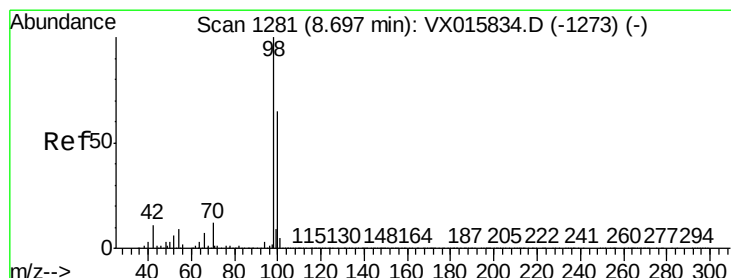
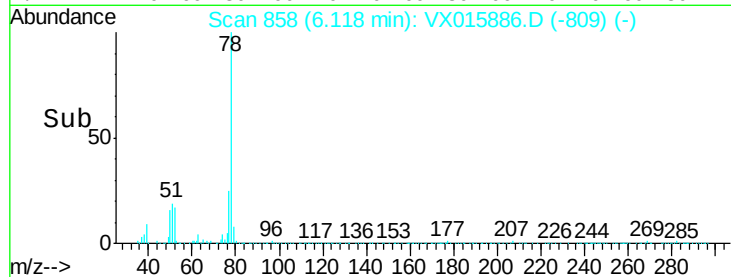
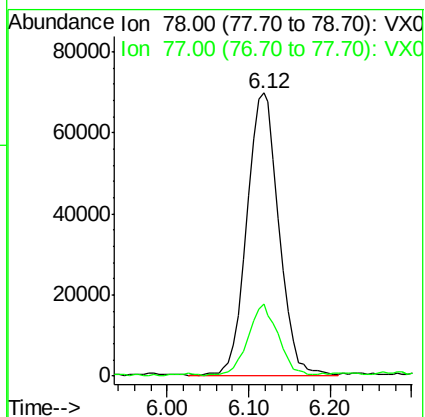
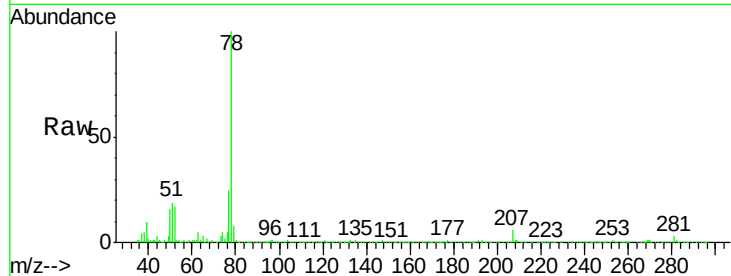
KY001MW031-200421DL

Tot Ion: 78 Resp: 190669

Ion Ratio Lower Upper

78 100

77 24.6 18.6 27.8



#50

Toluene-d8

Concen: 52.688 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015886.D

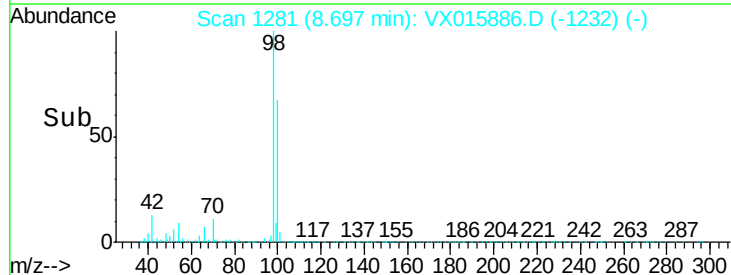
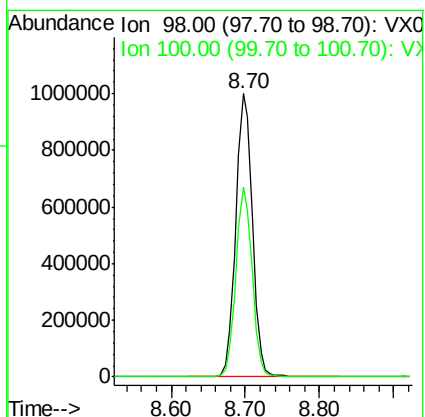
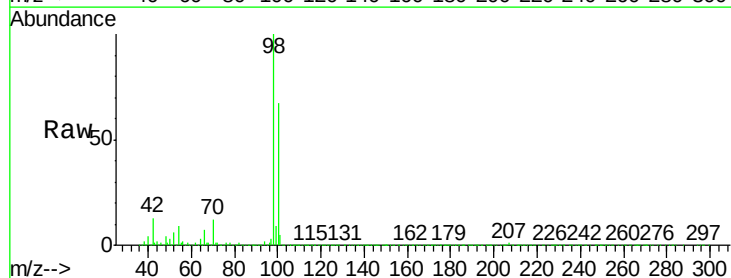
Acq: 23 Apr 2020 13:37

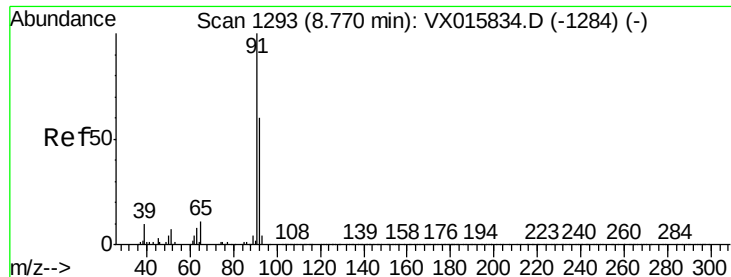
Tgt Ion: 98 Resp: 1573458

Ion Ratio Lower Upper

98 100

100 65.8 53.8 80.6





#52

Toluene

Concen: 1.127 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

Instrument :

MSVOA_X

ClientSampleId :

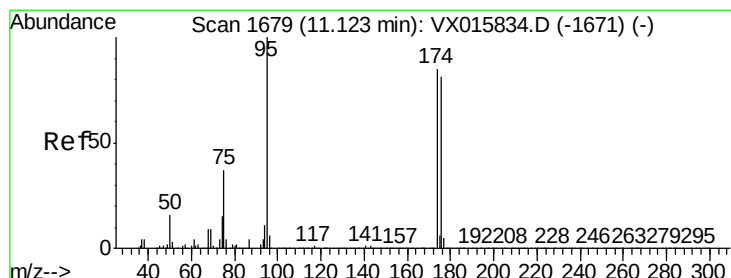
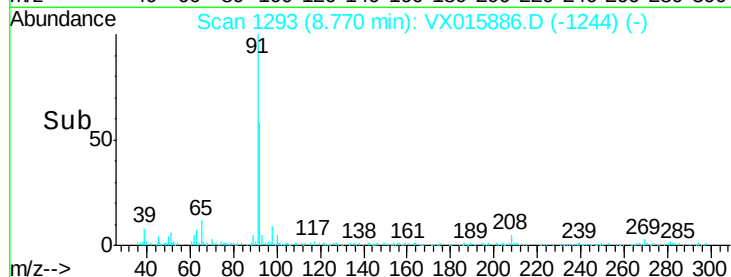
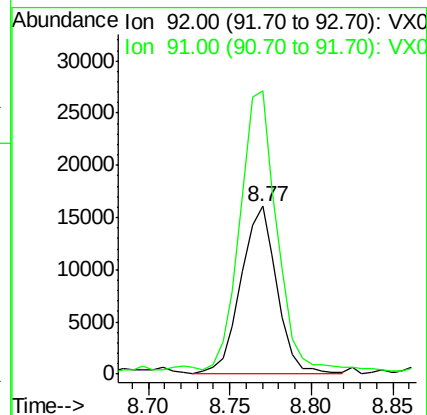
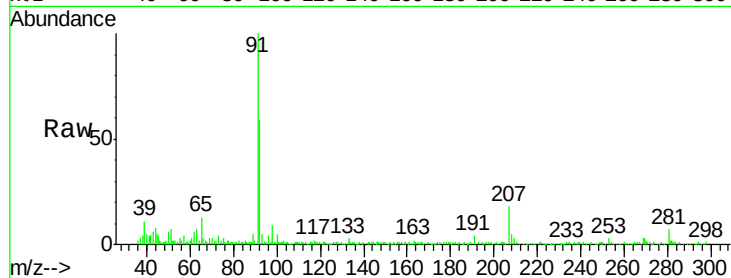
KY001MW031-200421DL

Tot Ion: 92 Resp: 24798

Ion Ratio Lower Upper

92 100

91 171.2 133.4 200.0



#62

4-Bromofluorobenzene

Concen: 56.256 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

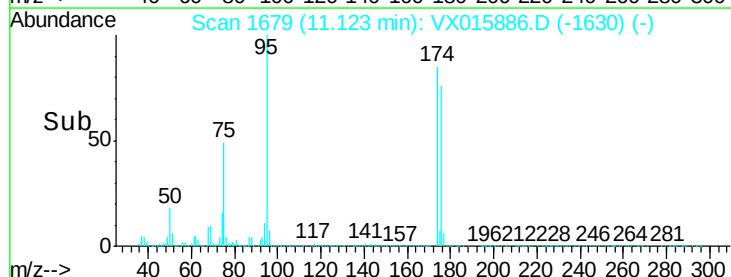
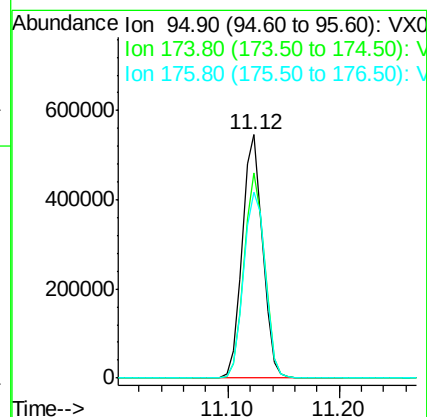
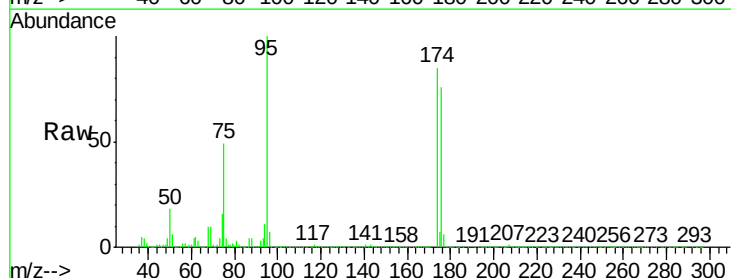
Tgt Ion: 95 Resp: 689180

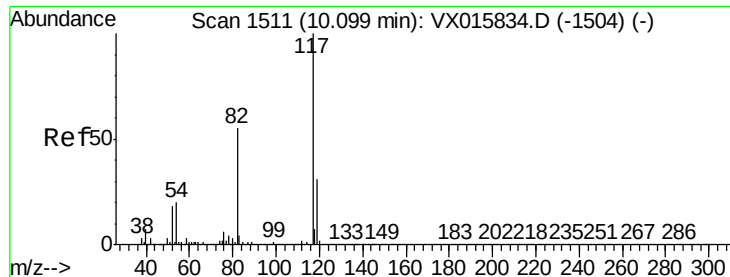
Ion Ratio Lower Upper

95 100

174 85.6 0.0 172.4

176 81.7 0.0 167.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-200421DL

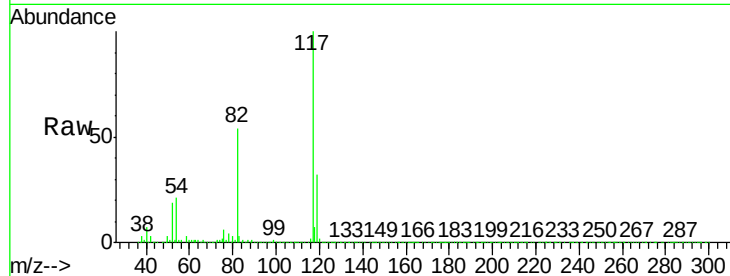
Tot Ion:117 Resp: 1250542

Ion Ratio Lower Upper

117 100

82 54.1 43.9 65.9

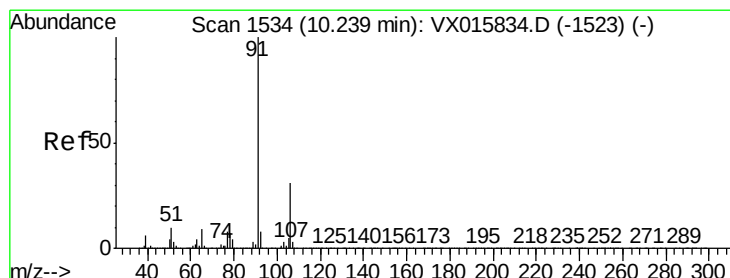
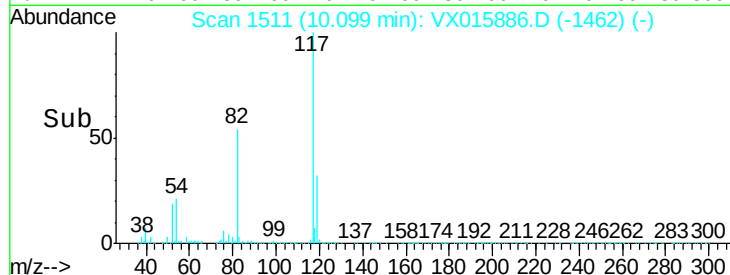
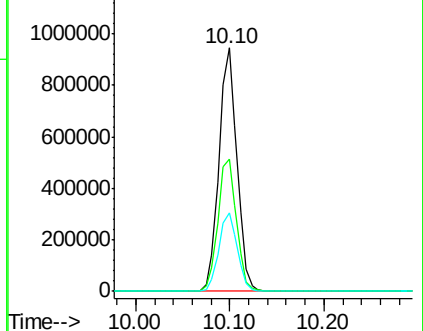
119 32.0 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 37.290 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015886.D

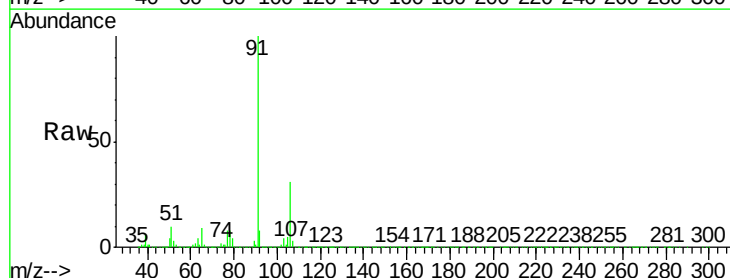
Acq: 23 Apr 2020 13:37

Tgt Ion: 91 Resp: 1637562

Ion Ratio Lower Upper

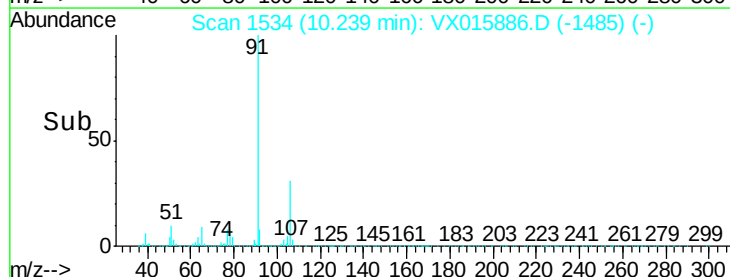
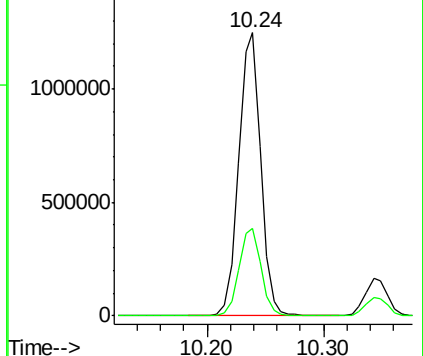
91 100

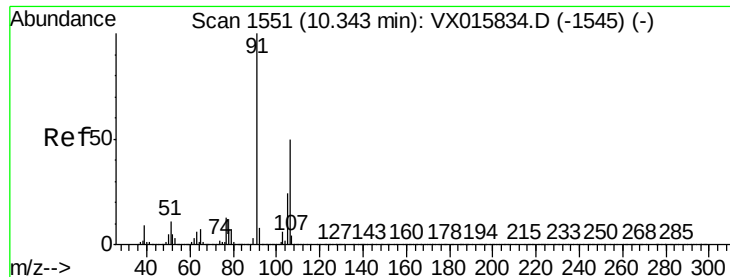
106 30.8 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 6.611 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

Instrument :

MSVOA_X

ClientSampleId :

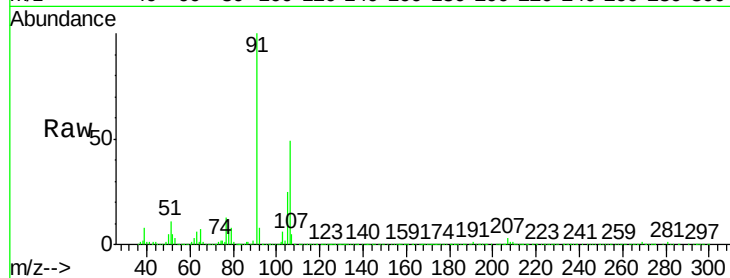
KY001MW031-200421DL

Tot Ion:106 Resp: 108978

Ion Ratio Lower Upper

106 100

91 199.7 161.1 241.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

200000

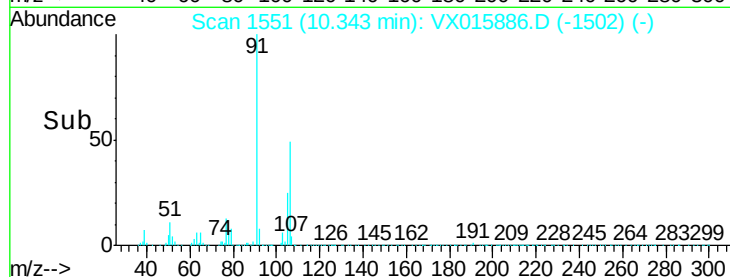
150000

100000

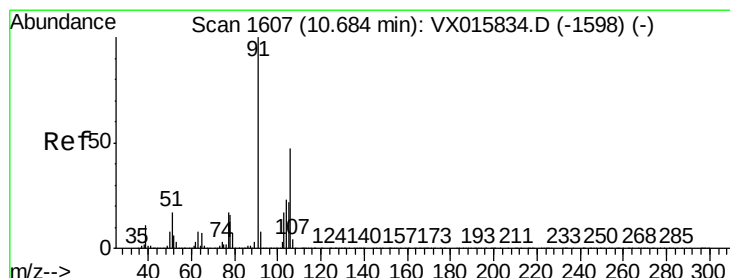
50000

0

10.30 10.35 10.40



Time-->



#69

o-Xylene

Concen: 4.122 ug/l

RT: 10.68 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015886.D

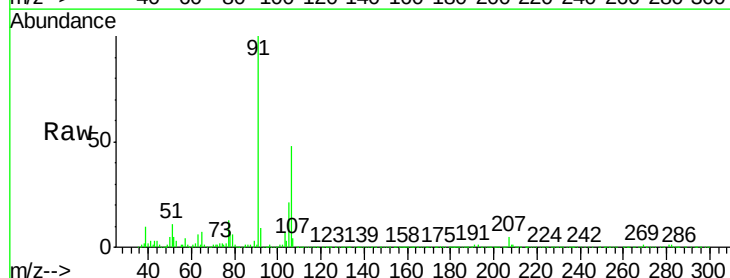
Acq: 23 Apr 2020 13:37

Tgt Ion:106 Resp: 66857

Ion Ratio Lower Upper

106 100

91 219.5 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

120000

100000

80000

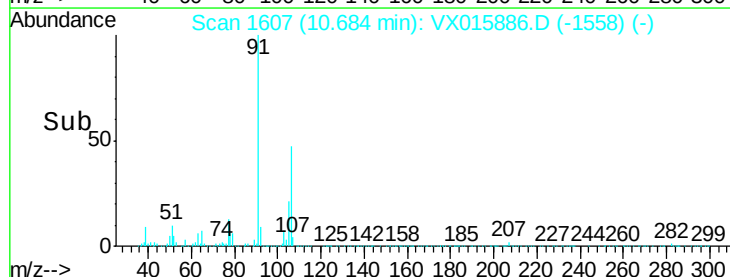
60000

40000

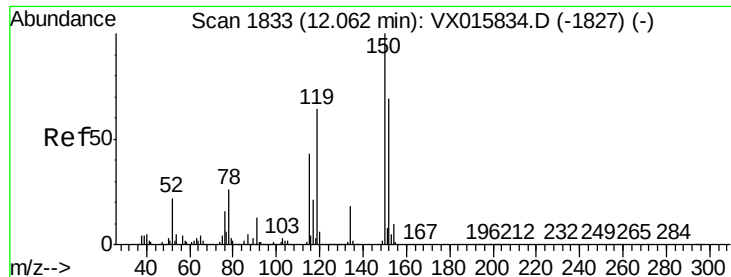
20000

0

10.65 10.70 10.75



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-200421DL

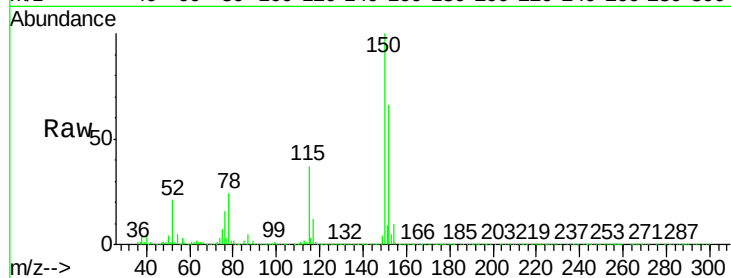
Tot Ion:152 Resp: 737823

Ion Ratio Lower Upper

152 100

115 55.9 39.0 116.9

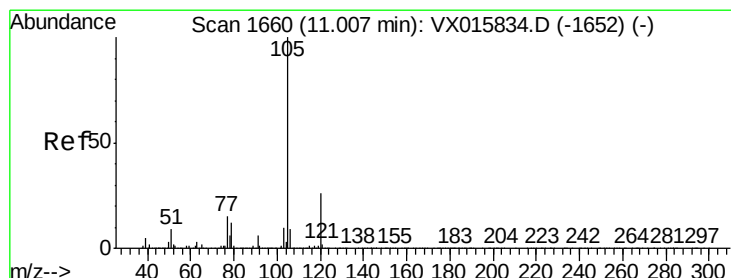
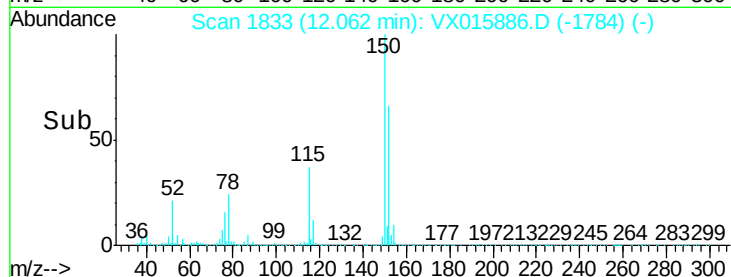
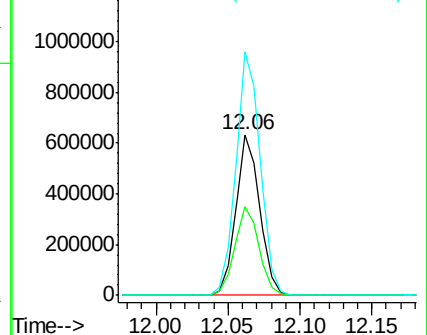
150 154.7 0.0 336.8



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: 4.795 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015886.D

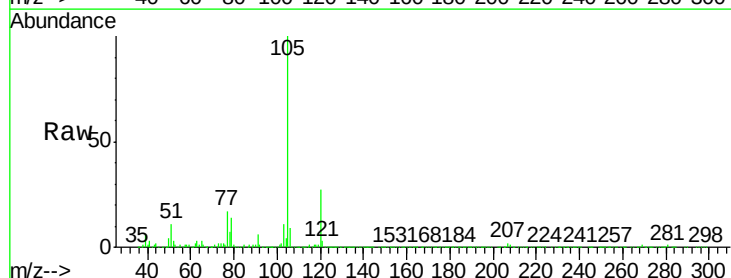
Acq: 23 Apr 2020 13:37

Tgt Ion:105 Resp: 224697

Ion Ratio Lower Upper

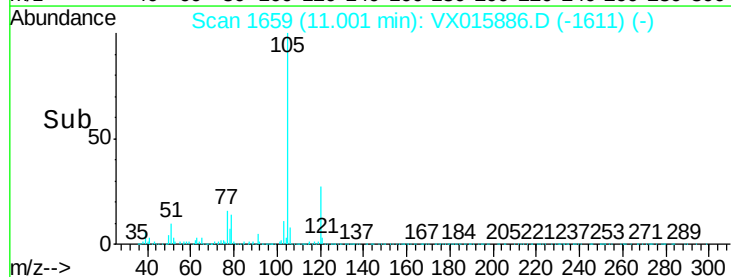
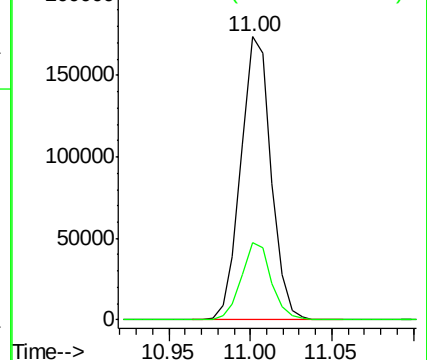
105 100

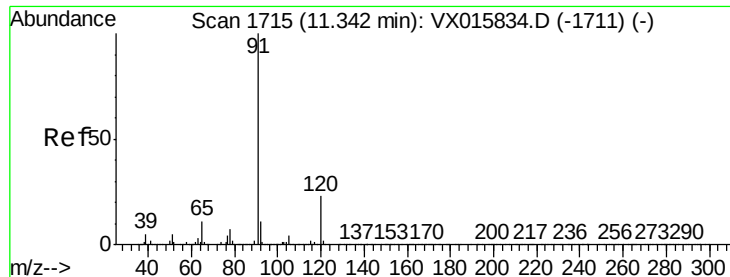
120 27.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.835 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015886.D

Acq: 23 Apr 2020 13:37

Instrument :

MSVOA_X

ClientSampleId :

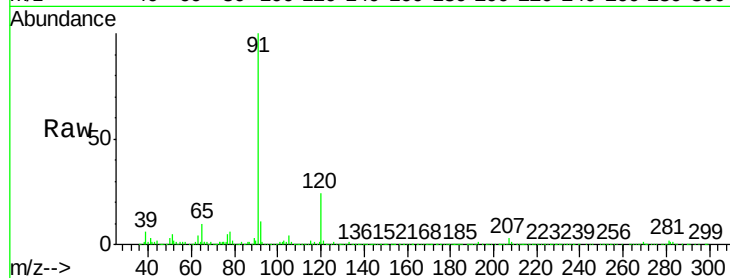
KY001MW031-200421DL

Tot Ion: 91 Resp: 205866

Ion Ratio Lower Upper

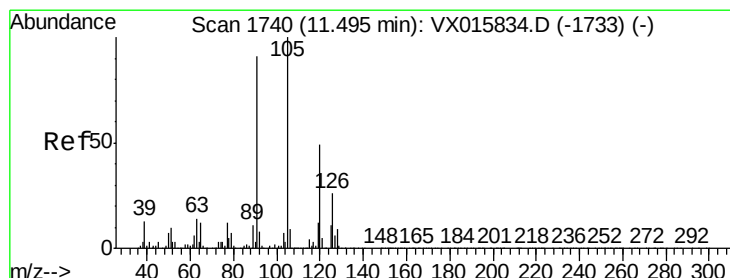
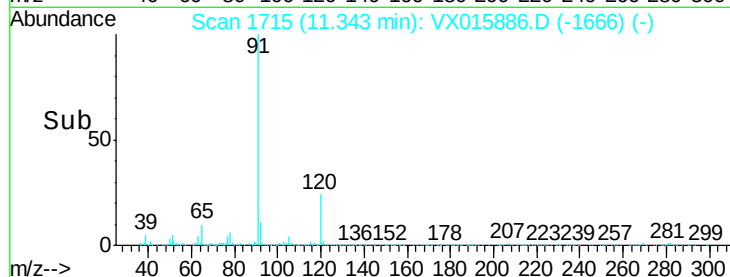
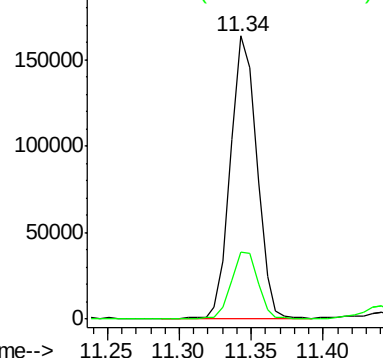
91 100

120 24.5 11.7 35.1



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: 0.844 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015886.D

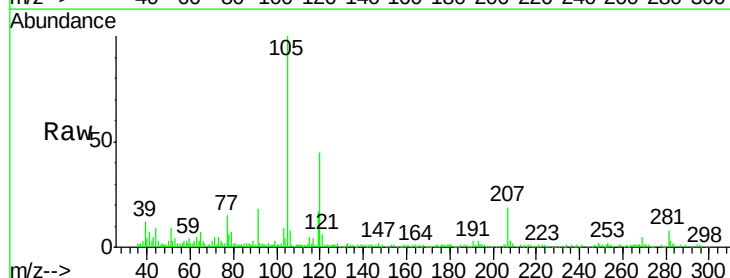
Acq: 23 Apr 2020 13:37

Tgt Ion:105 Resp: 33709

Ion Ratio Lower Upper

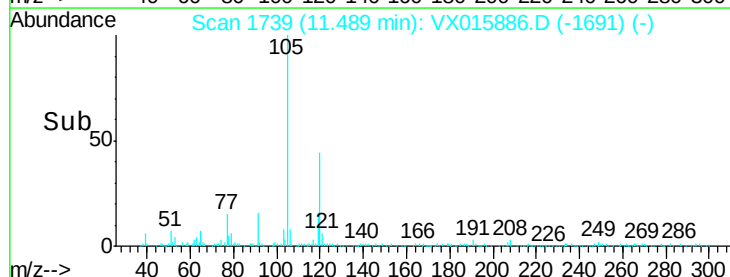
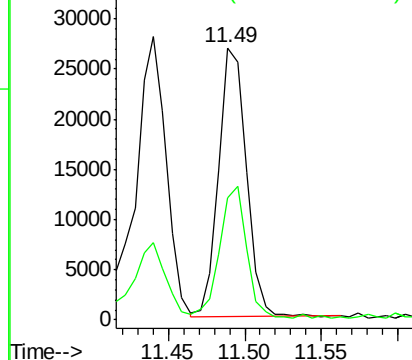
105 100

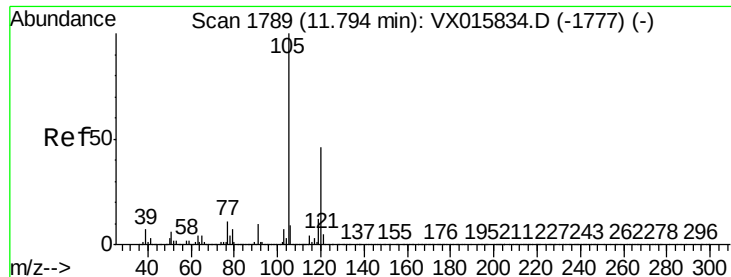
120 47.3 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

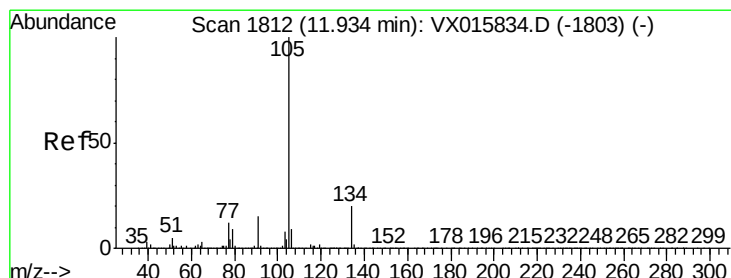
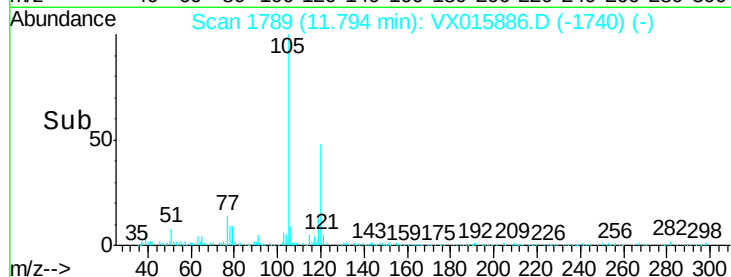
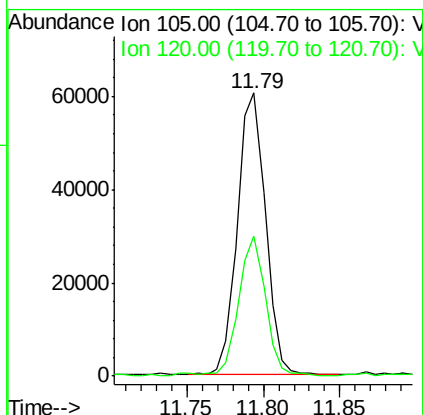
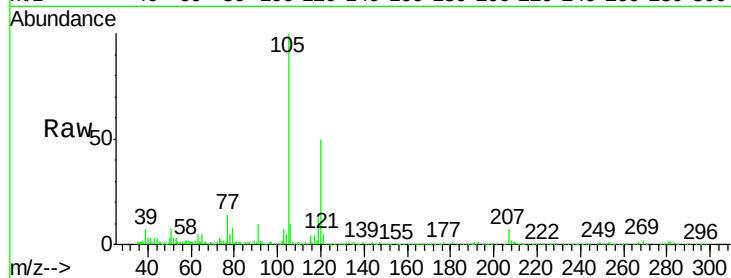




#84
 1,2,4-Trimethylbenzene
 Concen: 1.864 ug/l
 RT: 11.79 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX015886.D
 Acq: 23 Apr 2020 13:37

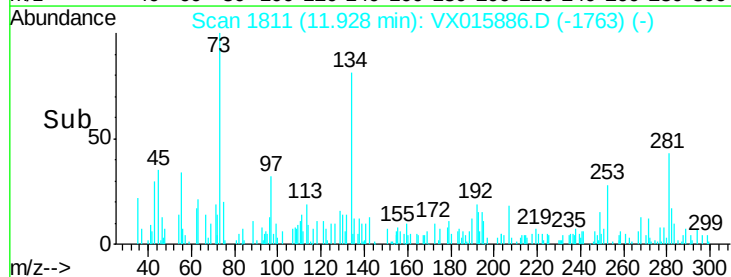
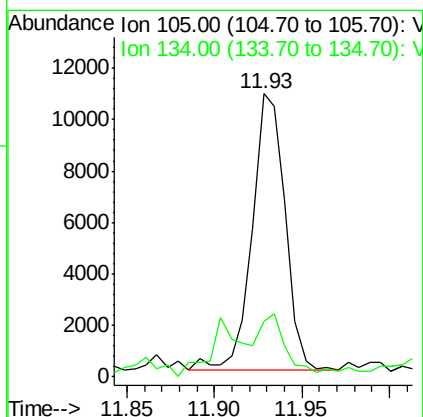
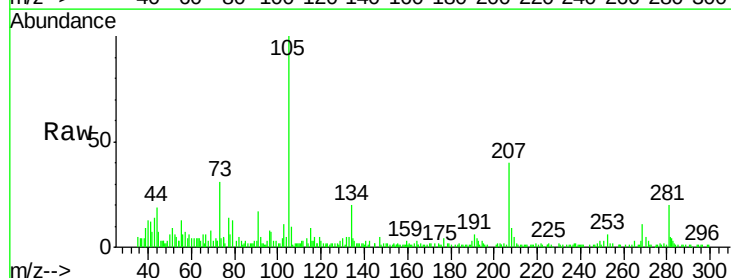
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-200421DL

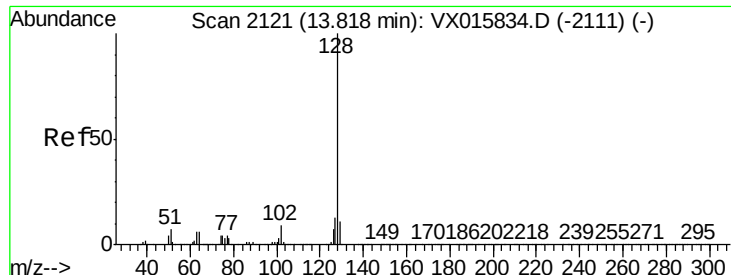
Tot Ion:105 Resp: 77331
 Ion Ratio Lower Upper
 105 100
 120 48.8 22.9 68.7



#85
 sec-Butylbenzene
 Concen: 0.301 ug/l
 RT: 11.93 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VX015886.D
 Acq: 23 Apr 2020 13:37

Tgt Ion:105 Resp: 14074
 Ion Ratio Lower Upper
 105 100
 134 16.0 10.3 30.8





#95
Naphthalene
Concen: 2.141 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015886.D
Acq: 23 Apr 2020 13:37

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-200421DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	13.5	8.5	12.7

