

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091620\
 Data File : VX018446.D
 Acq On : 16 Sep 2020 17:36
 Operator : JC/SP
 Sample : L4008-01 40X
 Misc : 1.10g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40951

Quant Time: Sep 17 06:57:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	435033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	700708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	698313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	372746	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	308763	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
35) Dibromofluoromethane	5.47	113	243176	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
50) Toluene-d8	8.70	98	866665	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.12	95	363157	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	

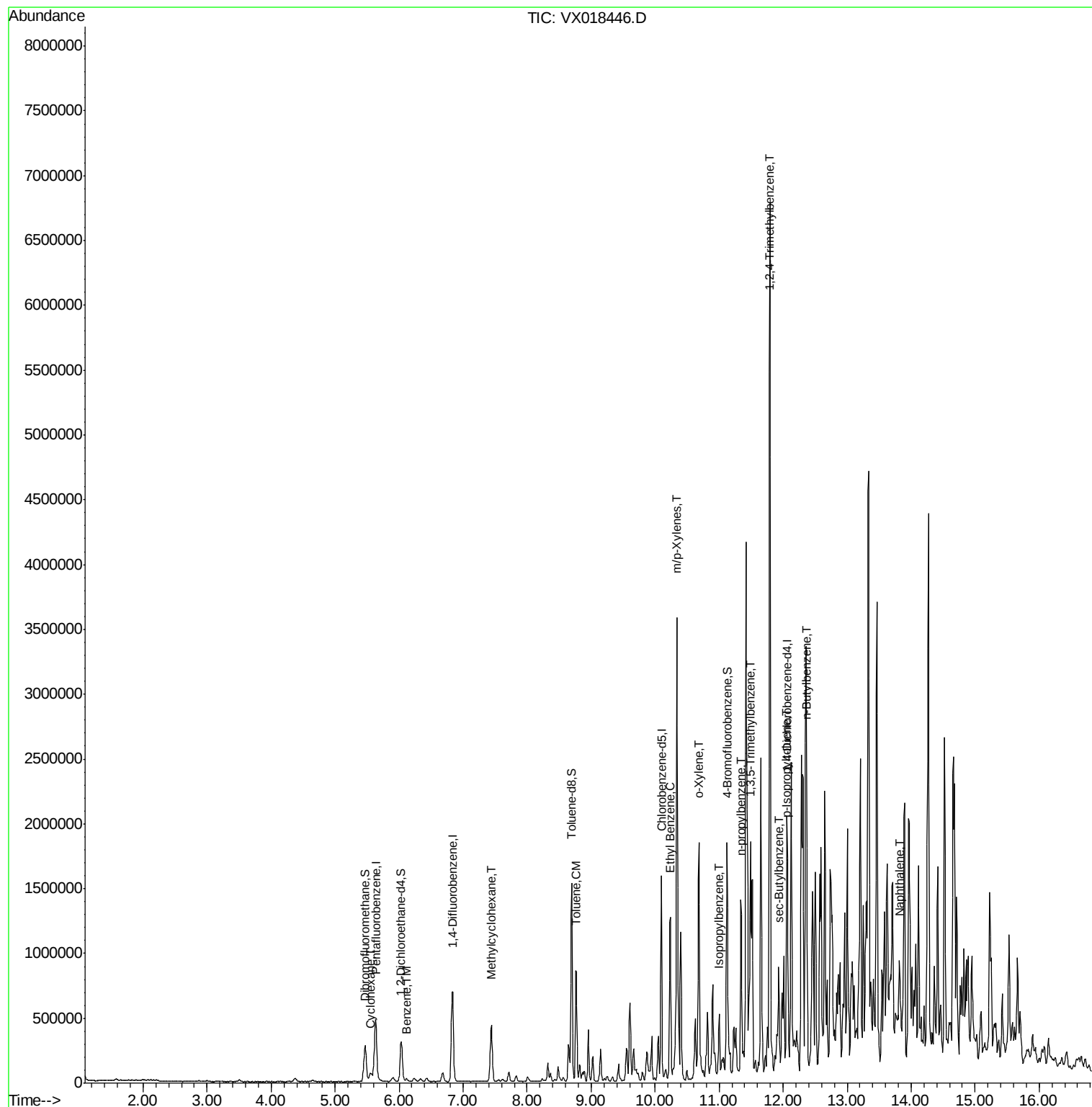
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.54	56	41648	5.761	ug/l	97
39) Methylcyclohexane	7.45	83	186443	26.382	ug/l	97
40) Benzene	6.12	78	25855	1.361	ug/l	96
52) Toluene	8.77	92	315798	26.225	ug/l	99
67) Ethyl Benzene	10.24	91	661811	27.903	ug/l	98
68) m/p-Xylenes	10.34	106	753147	85.076	ug/l	96
69) o-Xylene	10.68	106	378384	44.092	ug/l	97
73) Isopropylbenzene	11.00	105	218326	8.880	ug/l	97
78) n-propylbenzene	11.34	91	788686	28.251	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	709470	35.115	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	2744644	132.870	ug/l	98
85) sec-Butylbenzene	11.93	105	316802	13.972	ug/l	86
86) p-Isopropyltoluene	12.05	119	178429	8.567	ug/l	98
89) n-Butylbenzene	12.37	91	627794	33.024	ug/l #	53
95) Naphthalene	13.82	128	437644	17.755	ug/l #	94

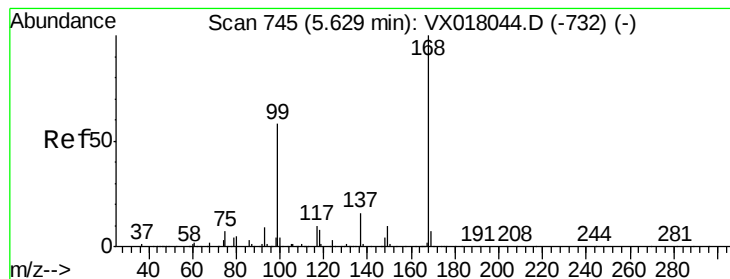
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

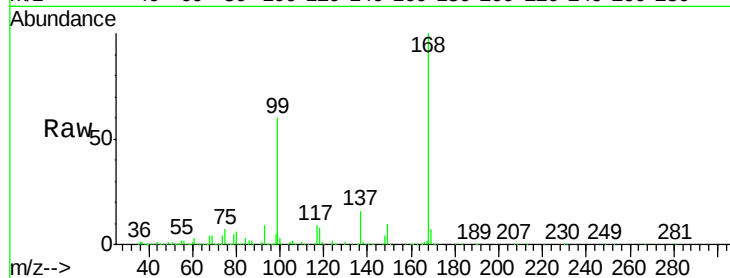
40951

Tot Ion:168 Resp: 435033

Ion Ratio Lower Upper

168 100

99 59.6 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

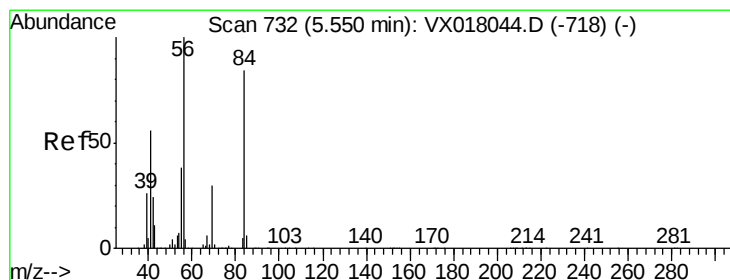
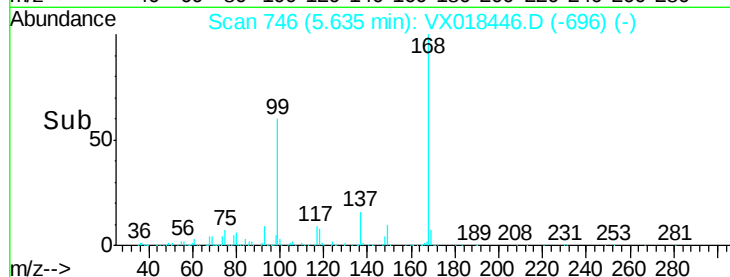
100000

50000

0

Time-->

5.50 5.60 5.70



#31

Cyclohexane

Concen: 5.761 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

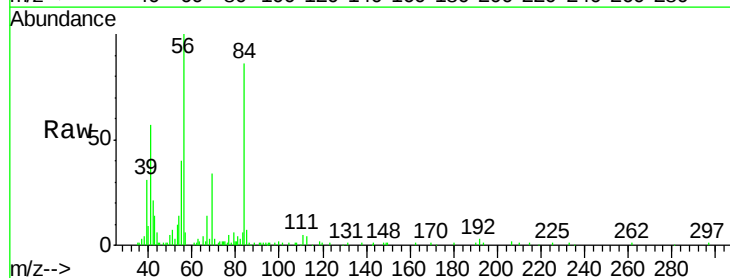
Tgt Ion: 56 Resp: 41648

Ion Ratio Lower Upper

56 100

69 33.4 23.9 35.9

84 85.4 67.0 100.4



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

15000

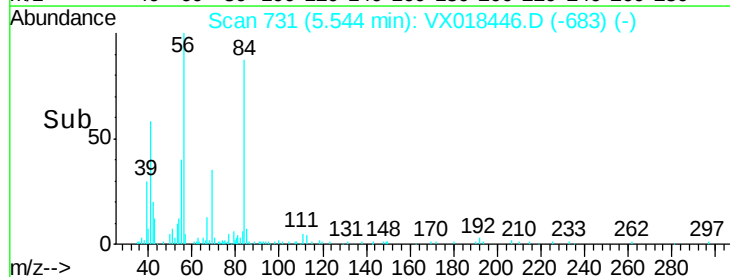
10000

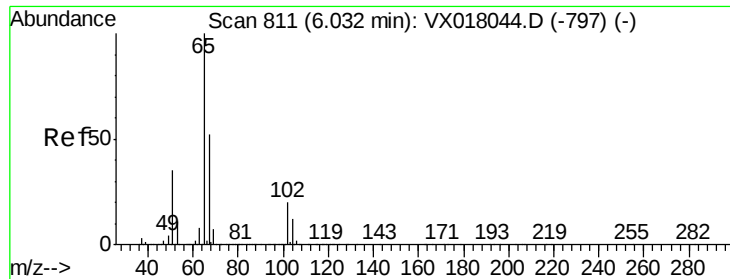
5000

0

Time-->

5.45 5.50 5.55 5.60 5.65





#33

1,2-Dichloroethane-d4

Concen: 51.125 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampled :

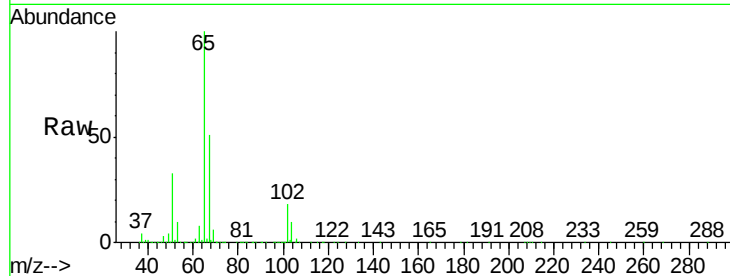
40951

Tot Ion: 65 Resp: 308763

Ion Ratio Lower Upper

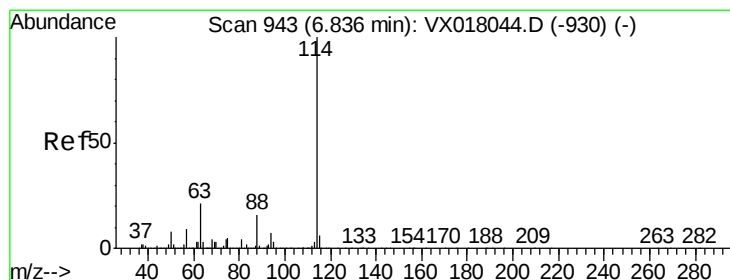
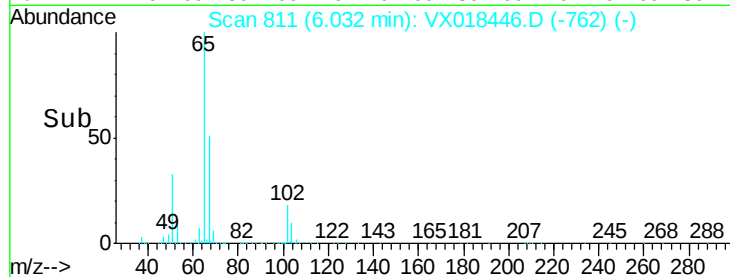
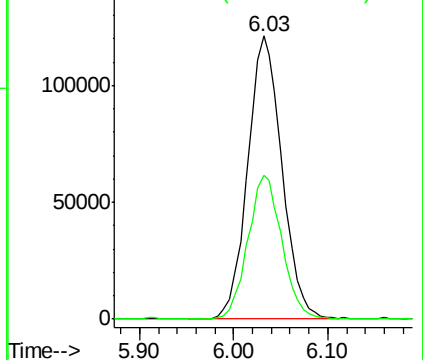
65 100

67 50.6 0.0 105.8



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# 943

Delta R.T. -0.00 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

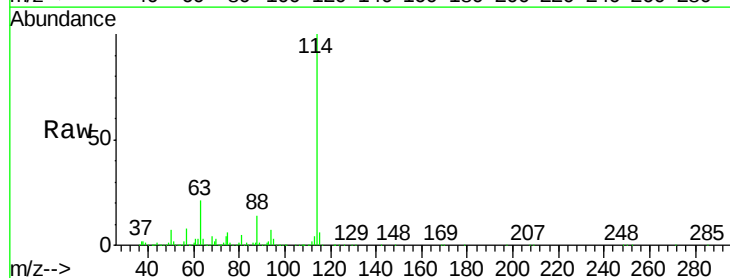
Tgt Ion: 114 Resp: 700708

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

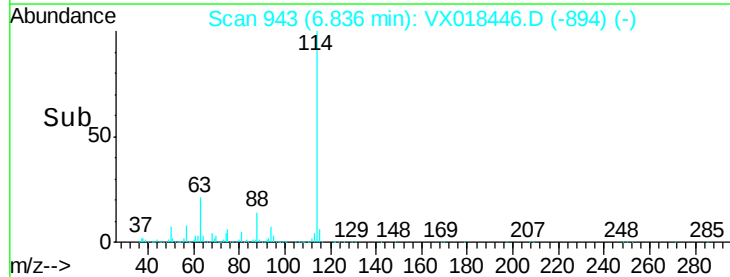
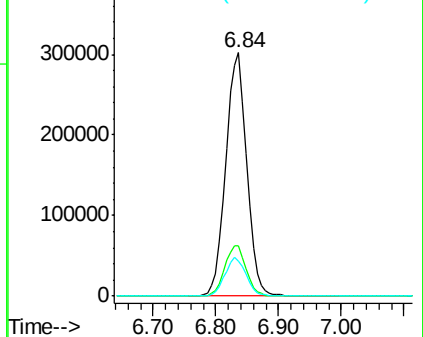
88 14.3 0.0 31.8

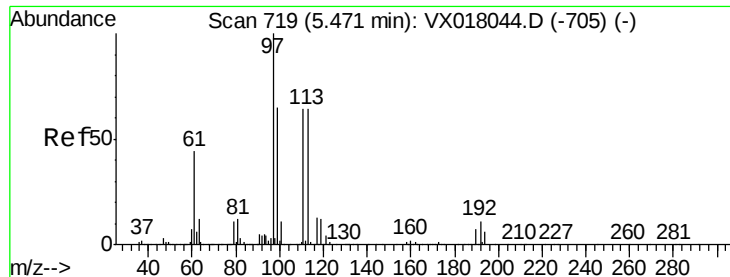


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.957 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

40951

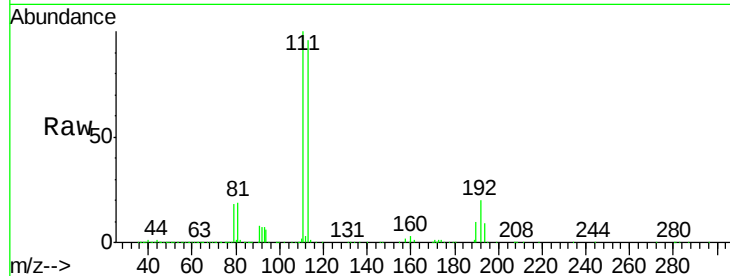
Tot Ion:113 Resp: 243176

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

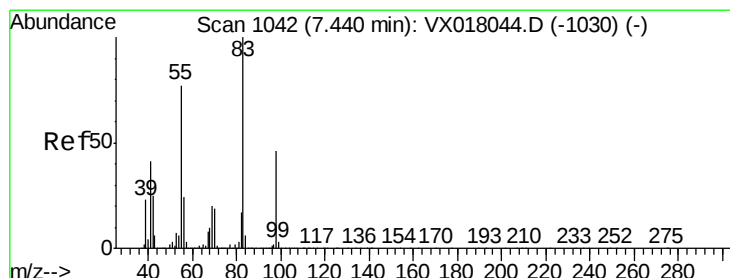
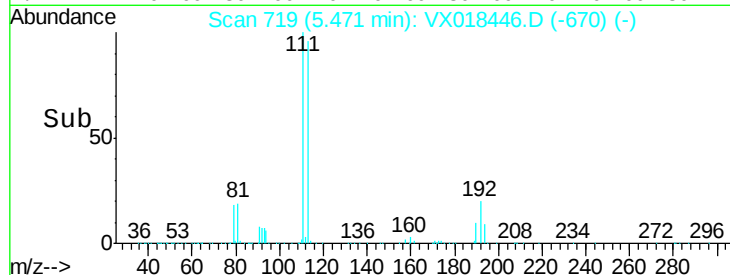
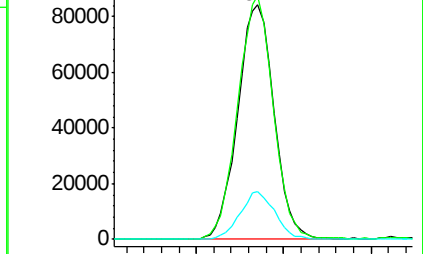
192 19.8 15.8 23.8



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: 26.382 ug/l

RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

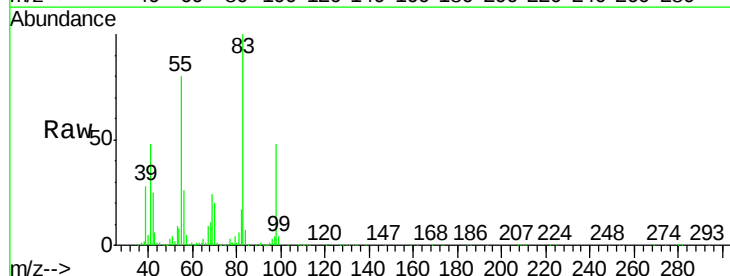
Tgt Ion: 83 Resp: 186443

Ion Ratio Lower Upper

83 100

55 79.3 61.8 92.6

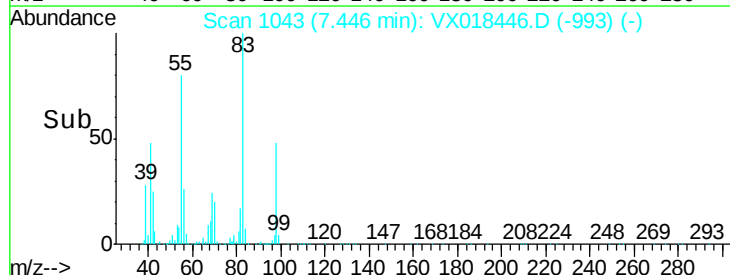
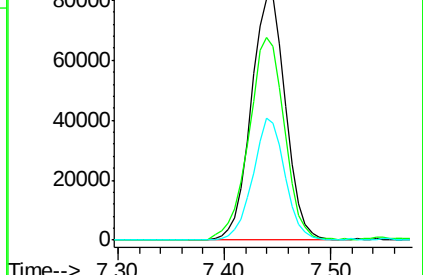
98 48.0 36.6 55.0

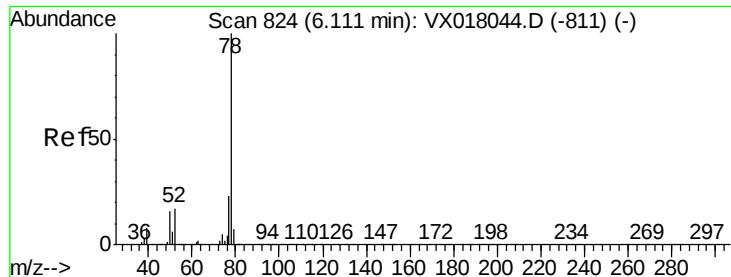


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.361 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

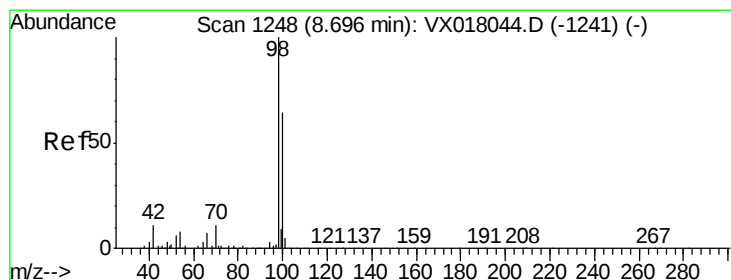
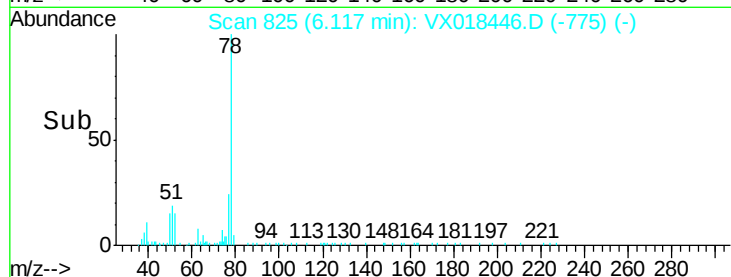
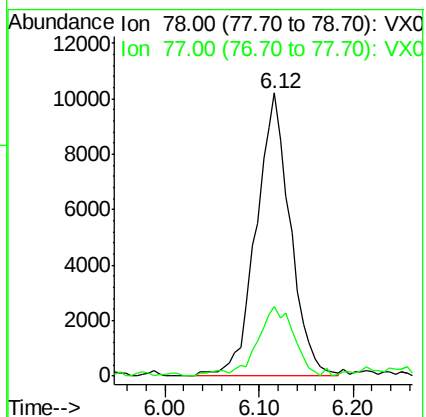
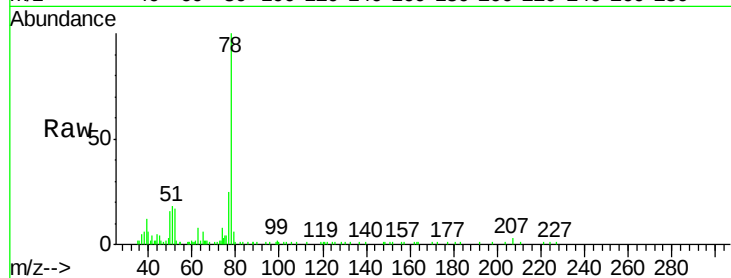
40951

Tot Ion: 78 Resp: 25855

Ion Ratio Lower Upper

78 100

77 24.8 18.2 27.2



#50

Toluene-d8

Concen: 48.760 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018446.D

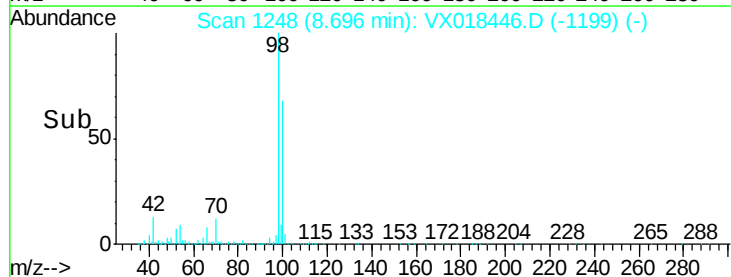
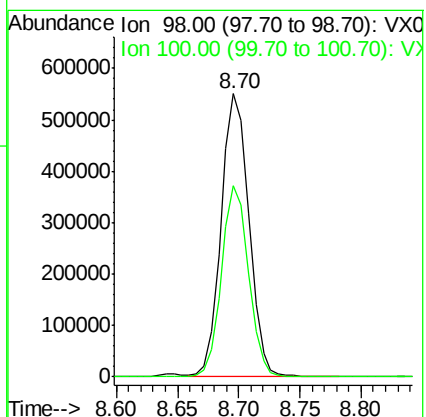
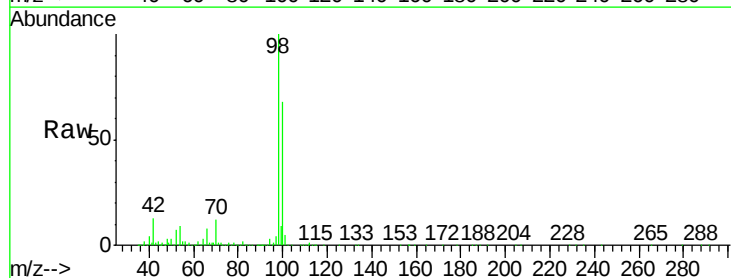
Acq: 16 Sep 2020 17:36

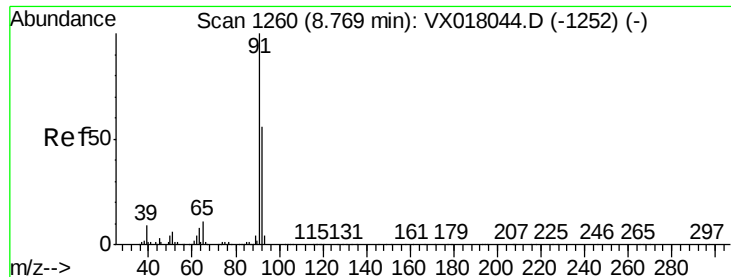
Tgt Ion: 98 Resp: 866665

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.4





#52

Toluene

Concen: 26.225 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

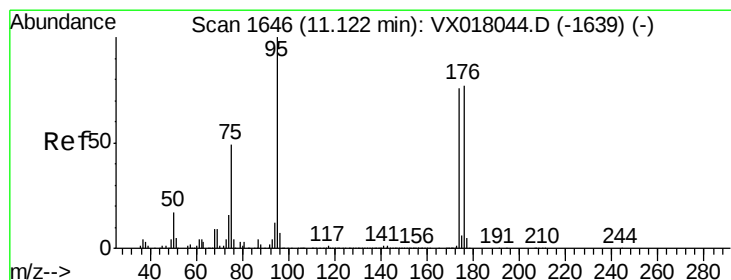
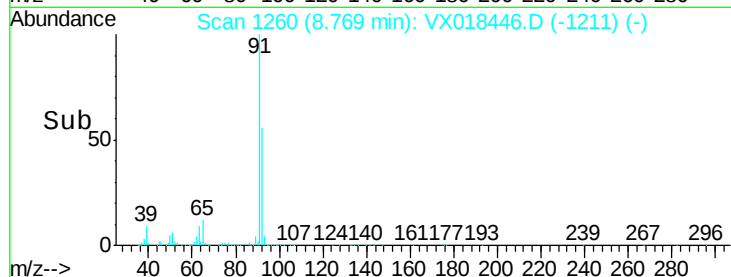
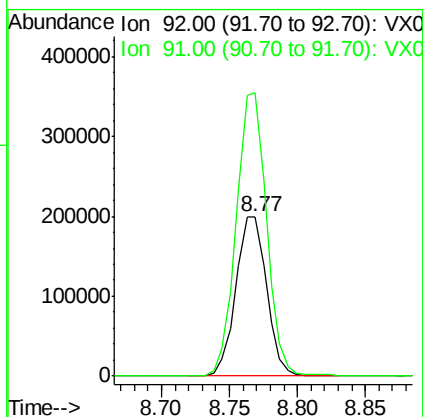
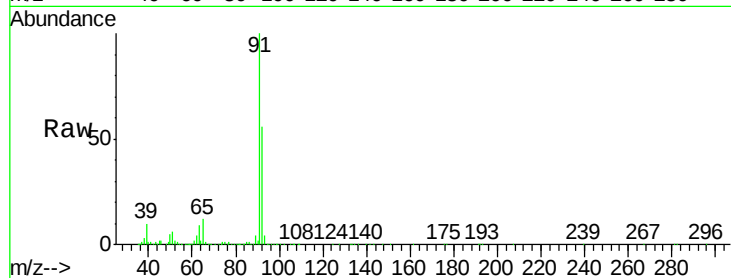
40951

Tot Ion: 92 Resp: 315798

Ion Ratio Lower Upper

92 100

91 174.6 140.3 210.5



#62

4-Bromofluorobenzene

Concen: 51.931 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

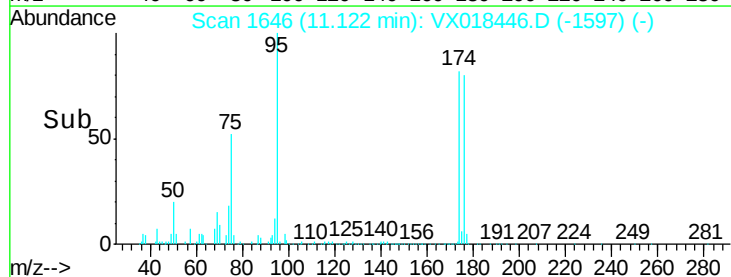
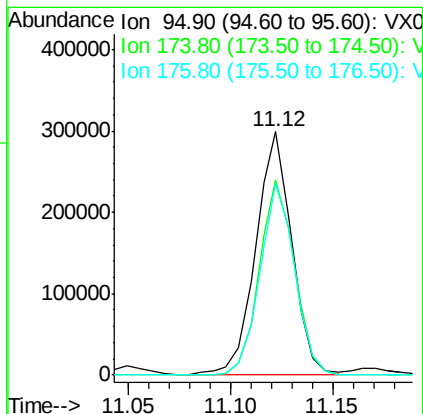
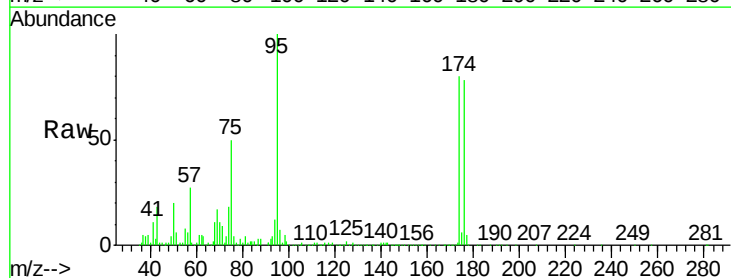
Tgt Ion: 95 Resp: 363157

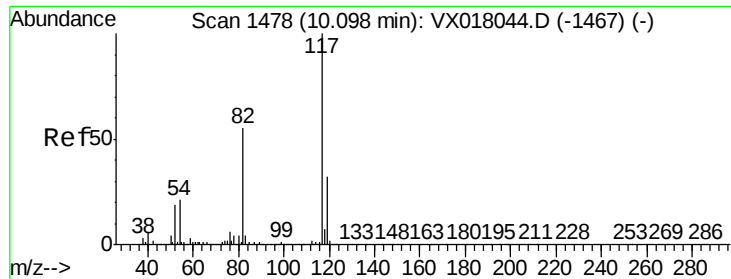
Ion Ratio Lower Upper

95 100

174 79.5 0.0 160.2

176 76.8 0.0 155.8

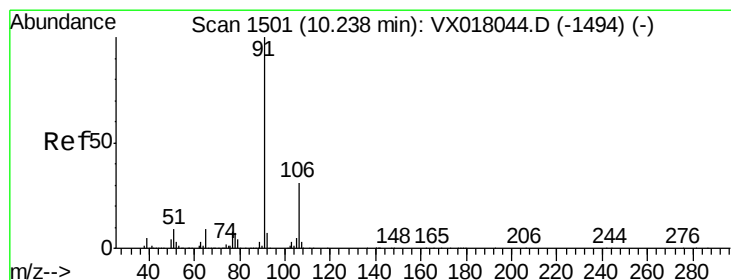
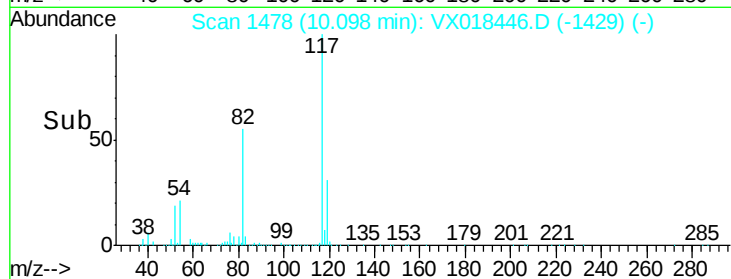
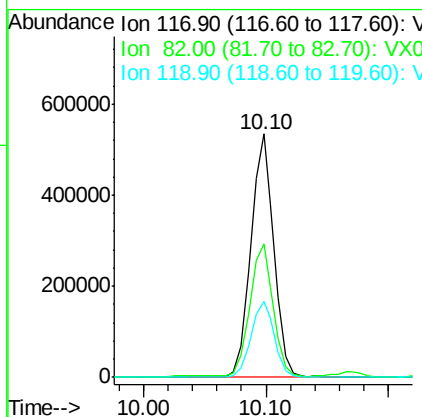
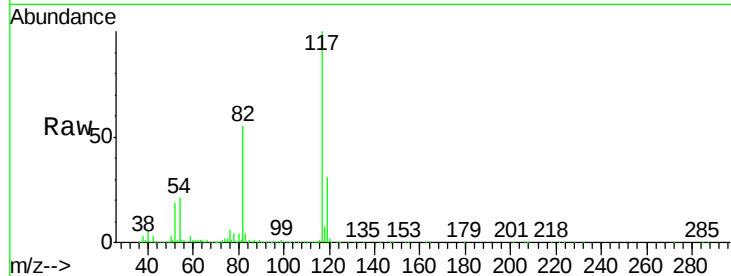




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018446.D
Acq: 16 Sep 2020 17:36

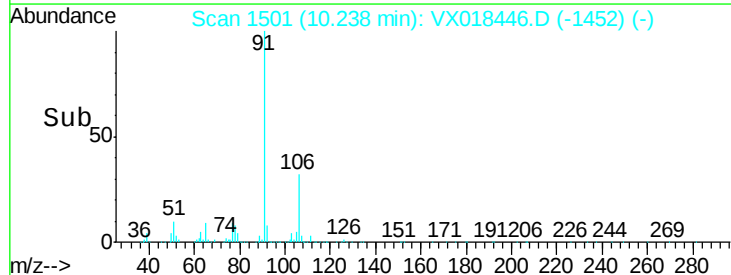
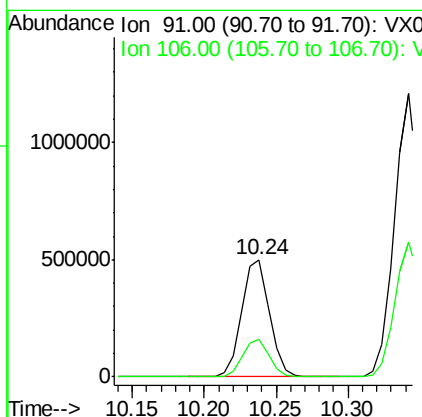
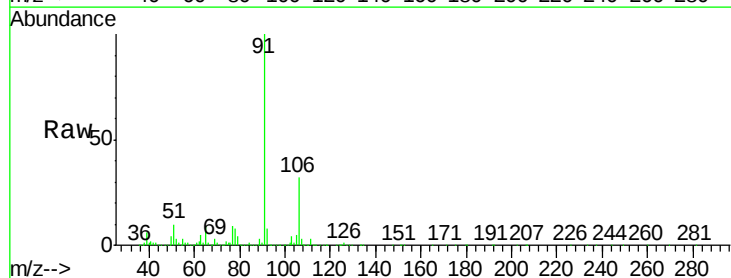
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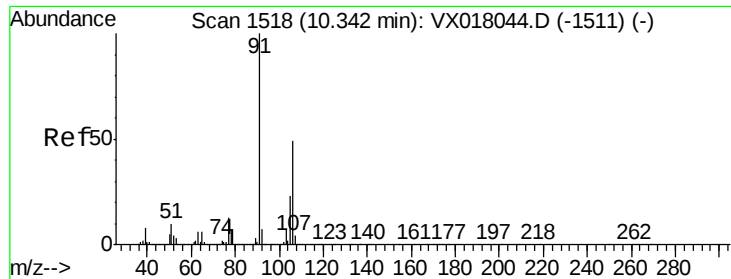
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.2	66.2
119	31.1	25.7	38.5



#67
Ethyl Benzene
Concen: 27.903 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX018446.D
Acq: 16 Sep 2020 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.9	37.3

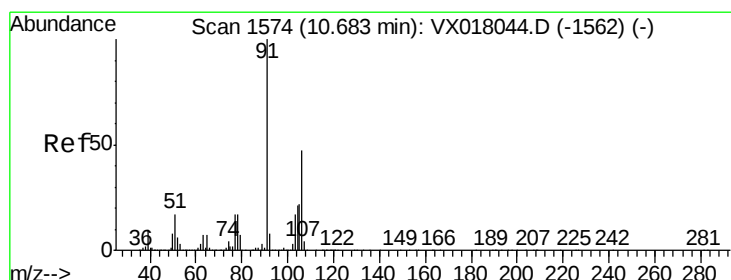
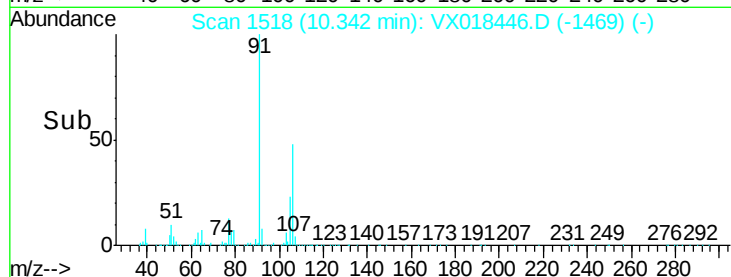
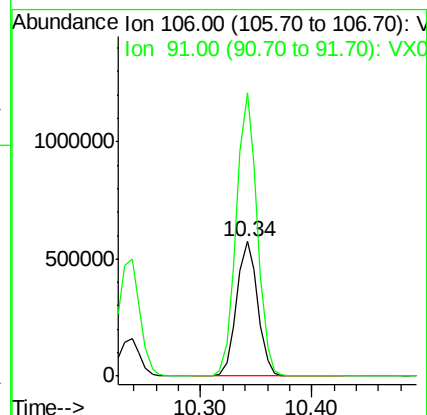
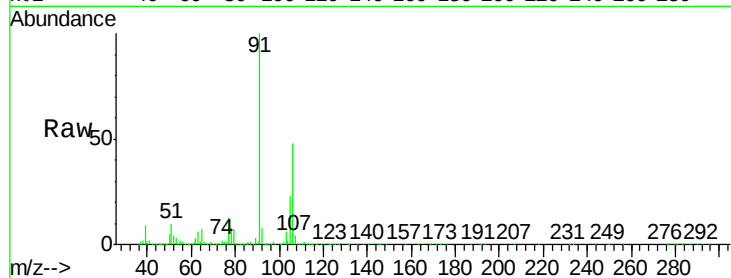




#68
m/p-Xvlenes
Concen: 85.076 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018446.D
Acq: 16 Sep 2020 17:36

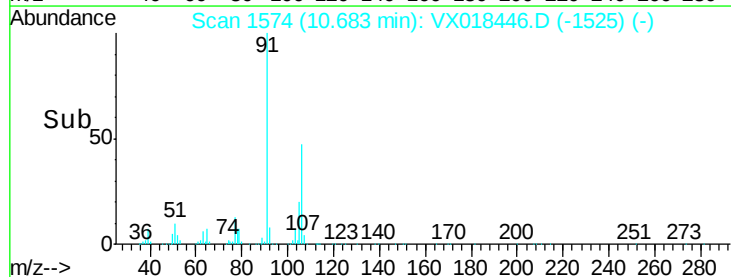
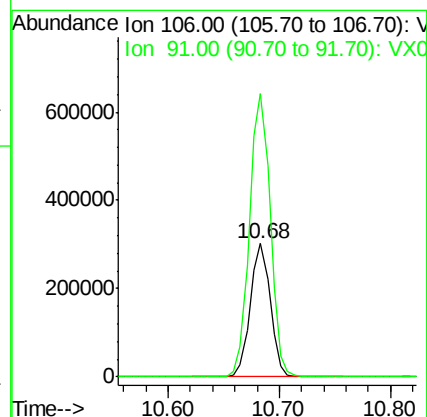
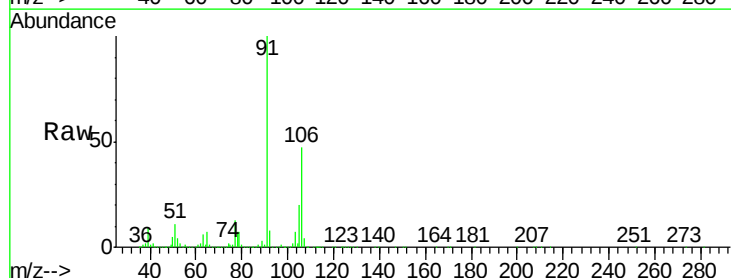
Instrument :
MSVOA_X
ClientSampled :
40951

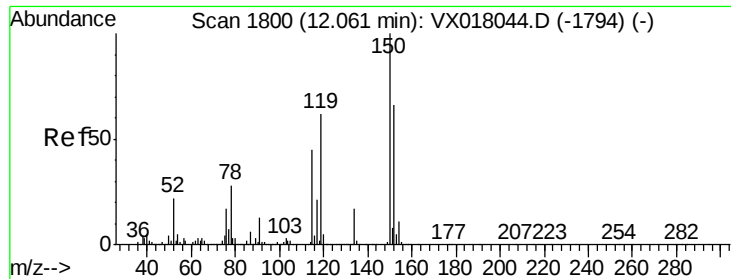
Tot Ion:106 Resp: 753147
Ion Ratio Lower Upper
106 100
91 208.1 162.2 243.2



#69
o-Xylene
Concen: 44.092 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018446.D
Acq: 16 Sep 2020 17:36

Tgt Ion:106 Resp: 378384
Ion Ratio Lower Upper
106 100
91 219.1 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampled :

40951

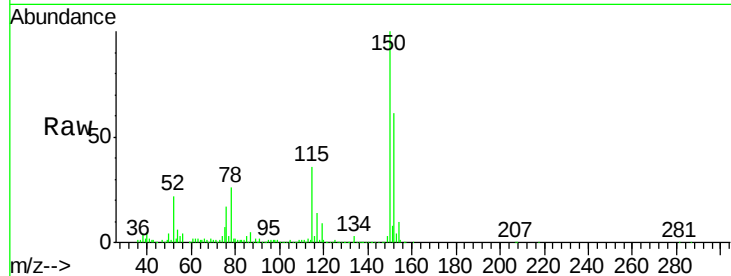
Tot Ion:152 Resp: 372746

Ion Ratio Lower Upper

152 100

115 62.4 41.5 124.5

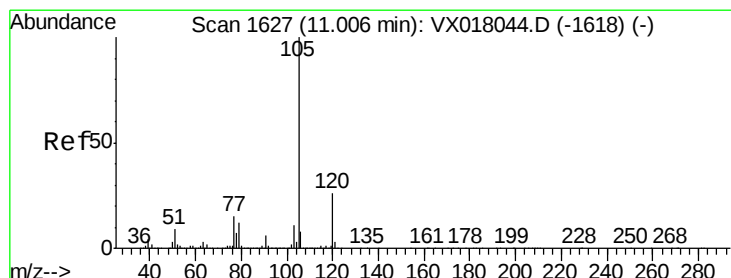
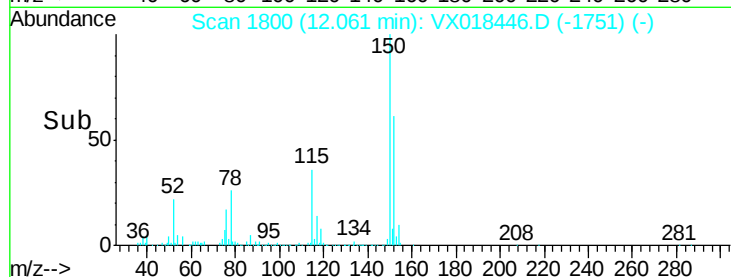
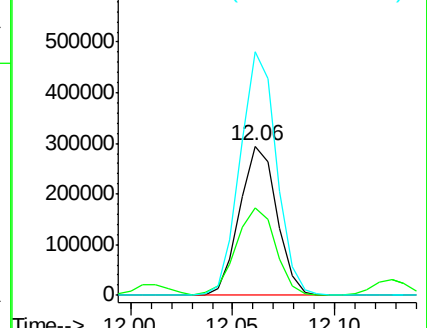
150 158.8 0.0 343.8



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: 8.880 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX018446.D

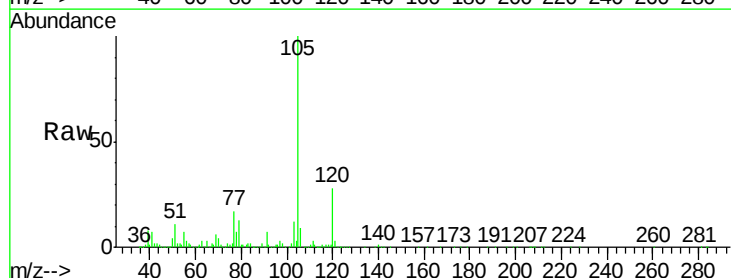
Acq: 16 Sep 2020 17:36

Tgt Ion:105 Resp: 218326

Ion Ratio Lower Upper

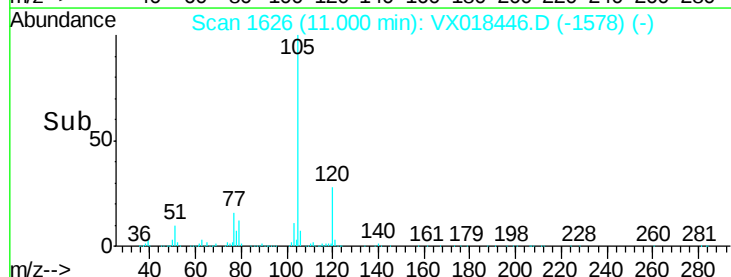
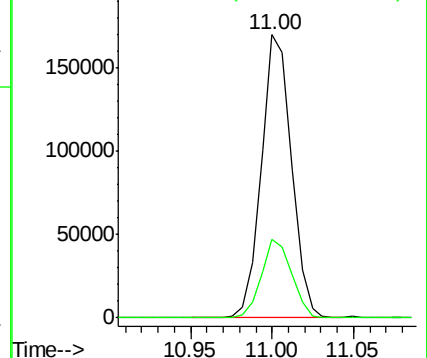
105 100

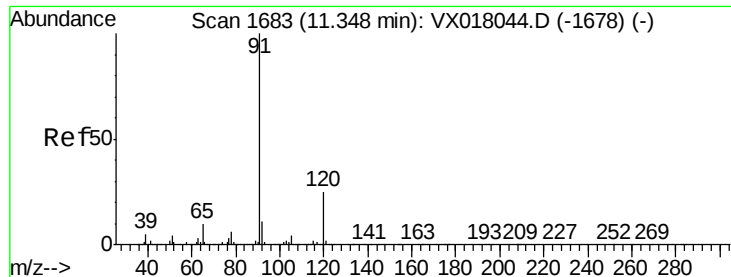
120 28.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 28.251 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

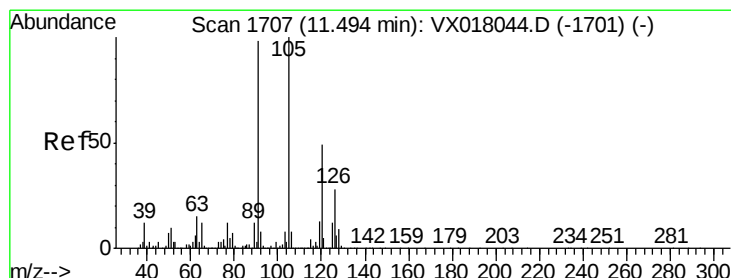
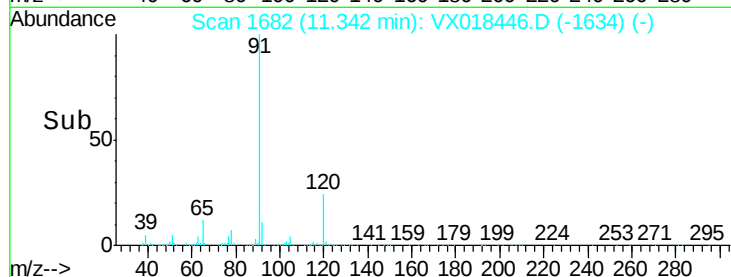
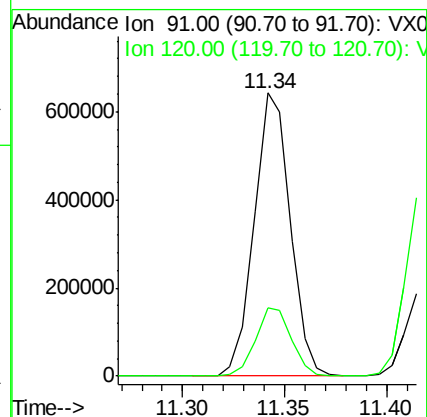
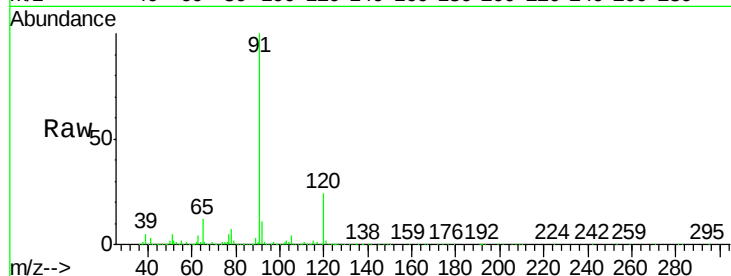
40951

Tot Ion: 91 Resp: 788686

Ion Ratio Lower Upper

91 100

120 24.0 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 35.115 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018446.D

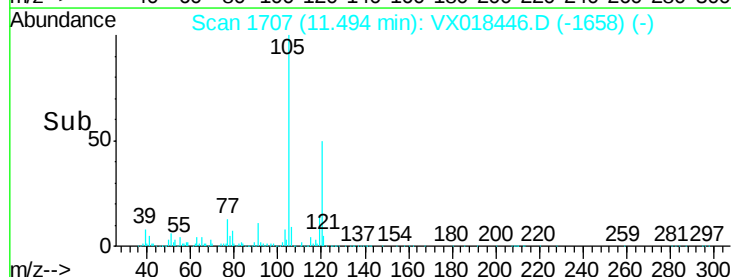
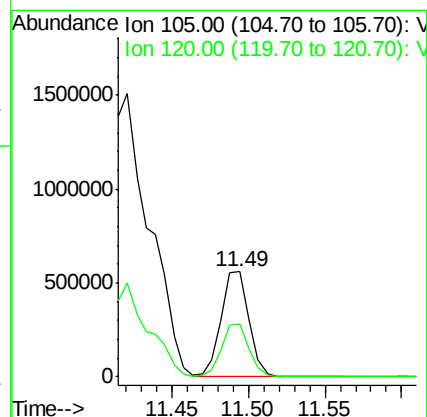
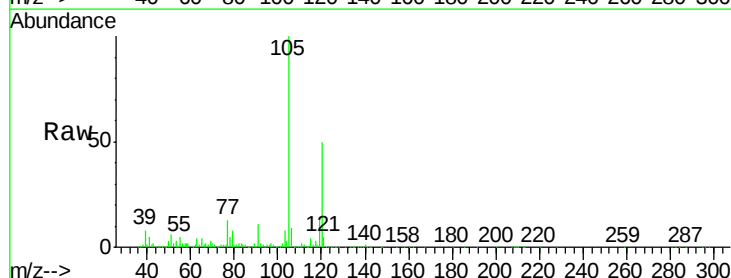
Acq: 16 Sep 2020 17:36

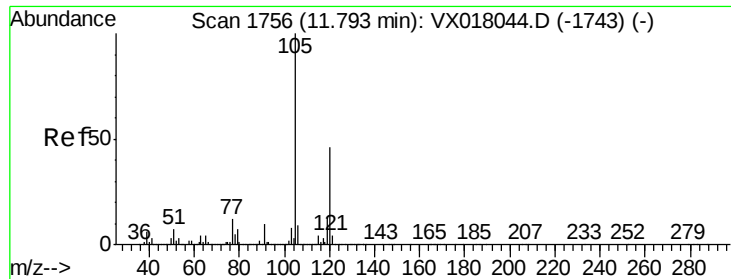
Tgt Ion:105 Resp: 709470

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2





#84

1,2,4-Trimethylbenzene

Concen: 132.870 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018446.D

Acq: 16 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

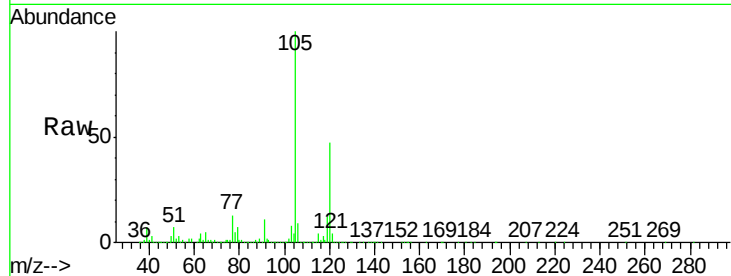
40951

Tot Ion:105 Resp: 2744644

Ion Ratio Lower Upper

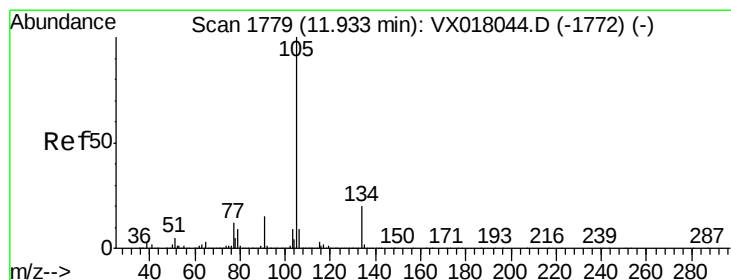
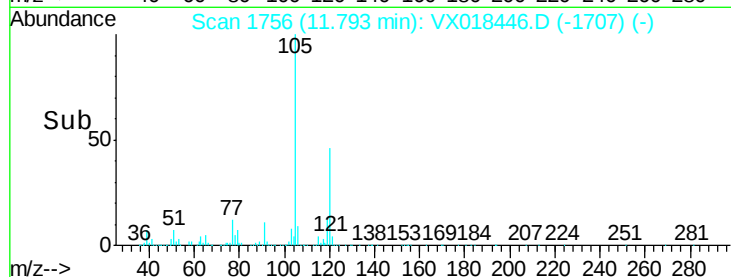
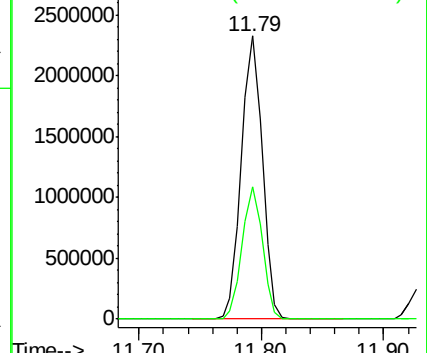
105 100

120 45.8 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 13.972 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX018446.D

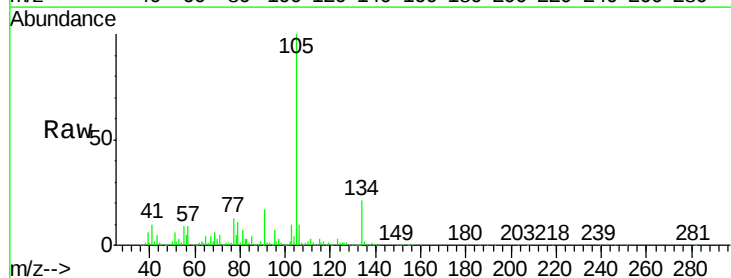
Acq: 16 Sep 2020 17:36

Tgt Ion:105 Resp: 316802

Ion Ratio Lower Upper

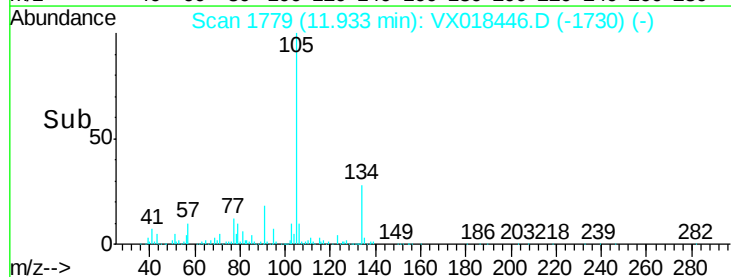
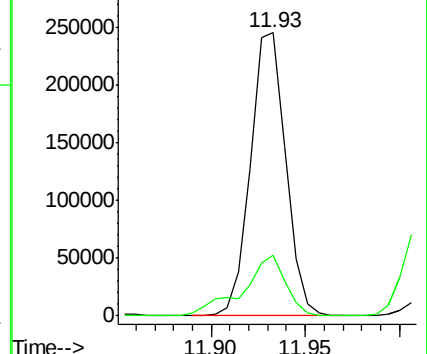
105 100

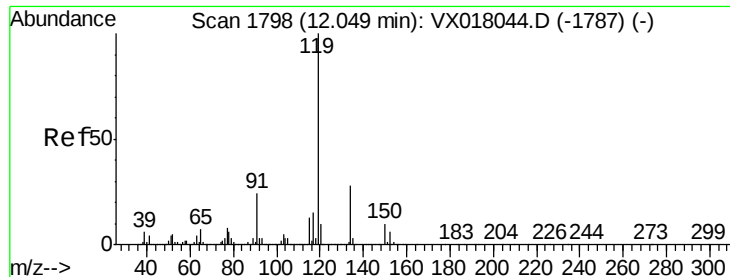
134 26.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

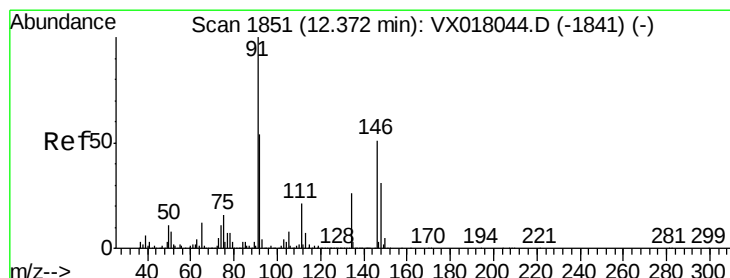
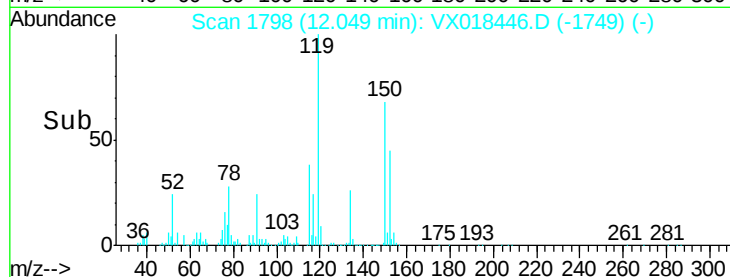
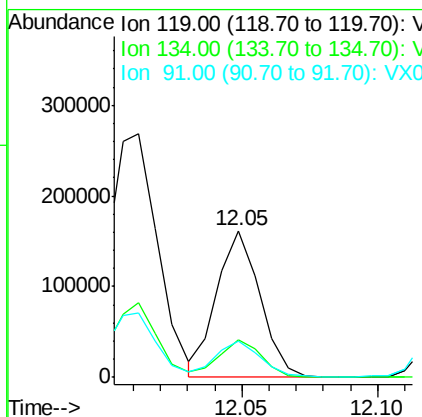
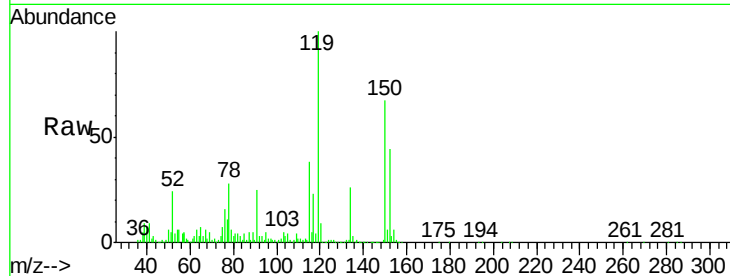




#86
p-Isopropyltoluene
Concen: 8.567 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX018446.D
Acq: 16 Sep 2020 17:36

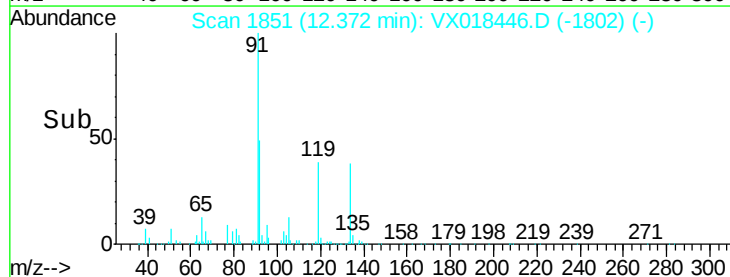
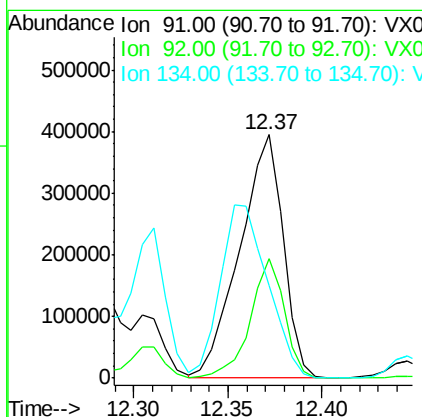
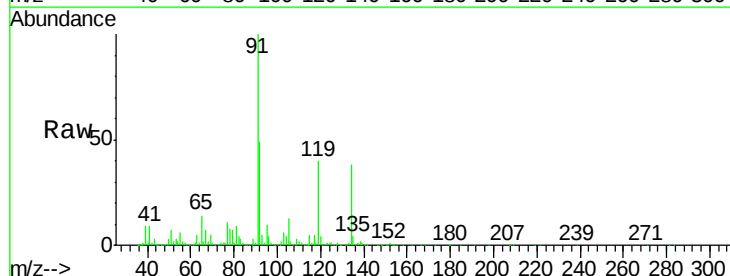
Instrument :
MSVOA_X
ClientSampleId :
40951

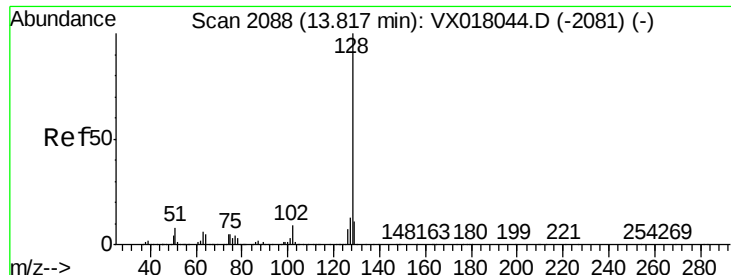
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.2	39.5
91	25.1	11.8	35.4



#89
n-Butylbenzene
Concen: 33.024 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX018446.D
Acq: 16 Sep 2020 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	38.7	26.4	79.2
134	77.7	12.9	38.7#





#95
Naphthalene
Concen: 17.755 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018446.D
Acq: 16 Sep 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
40951

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	14.6	8.7	13.1

