

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013739.D
 Acq On : 03 Dec 2019 20:51
 Operator : JC/SP
 Sample : K6084-06 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30738

Quant Time: Dec 04 08:12:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	747531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1117022	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1005464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	484047	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	394268	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	
35) Dibromofluoromethane	5.49	113	337781	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	8.71	98	1331239	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.14	95	472499	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	

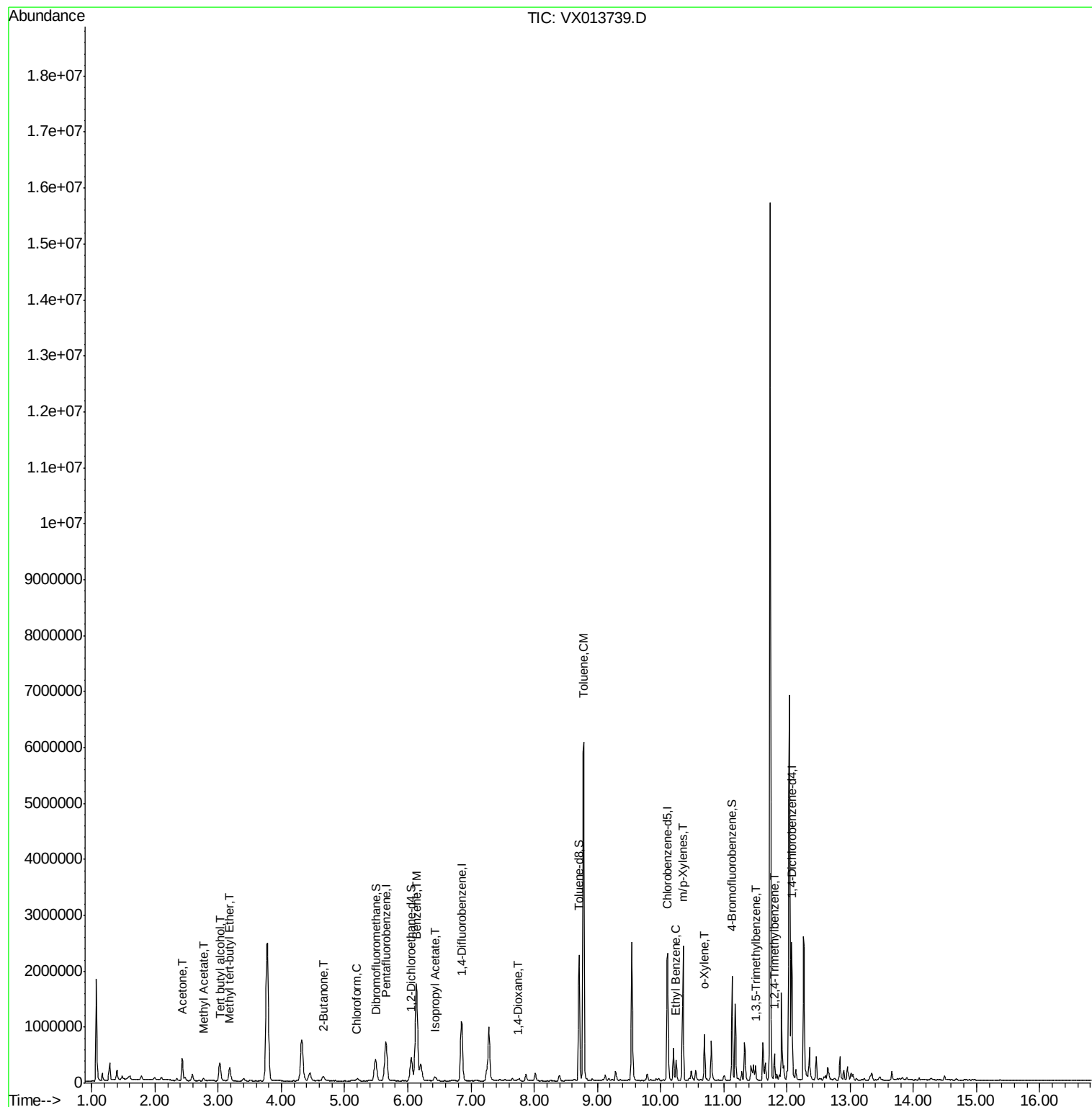
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	252485	117.885	ug/l	98
16) Acetone	2.43	43	419802	97.993	ug/l	97
18) Methyl Acetate	2.76	43	54906	4.603	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	267572	11.354	ug/l	99
25) 2-Butanone	4.66	43	152629	23.972	ug/l	98
30) Chloroform	5.20	83	48256	3.501	ug/l	96
40) Benzene	6.14	78	2103816	68.124	ug/l	99
43) Isopropyl Acetate	6.43	43	35641	1.903	ug/l #	91
49) 1,4-Dioxane	7.73	88	8357	41.031	ug/l #	56
52) Toluene	8.78	92	2316626	120.750	ug/l	100
67) Ethyl Benzene	10.25	91	209995	5.854	ug/l	99
68) m/p-Xylenes	10.35	106	579768	42.214	ug/l	99
69) o-Xylene	10.70	106	180581	13.482	ug/l	95
80) 1,3,5-Trimethylbenzene	11.50	105	98152	3.527	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	209455	7.416	ug/l	99

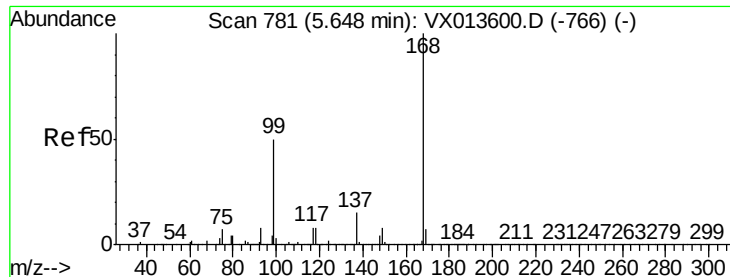
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 26 15:53:00 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: VX013739.D

Acq: 03 Dec 2019 20:51

Instrument :

MSVOA_X

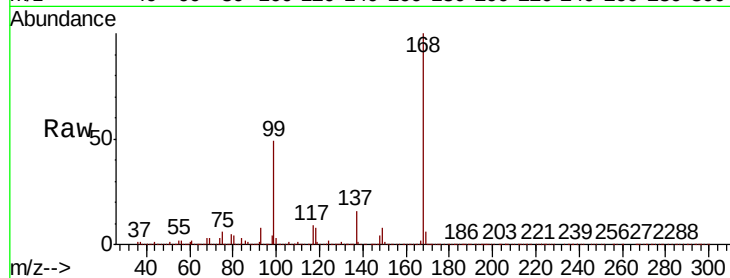
ClientSampleId :
30738

Tot Ion:168 Resp: 747531

Ion Ratio Lower Upper

168 100

99 49.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

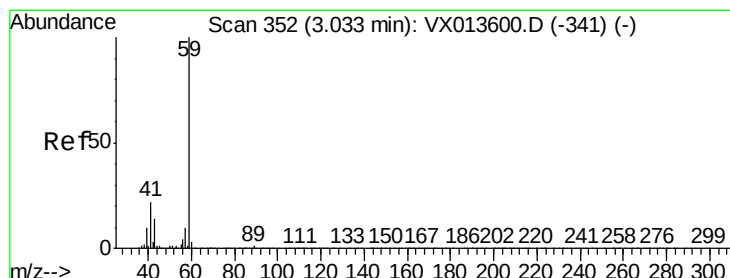
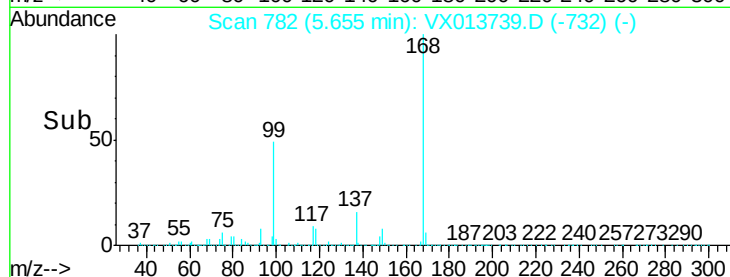
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 117.885 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX013739.D

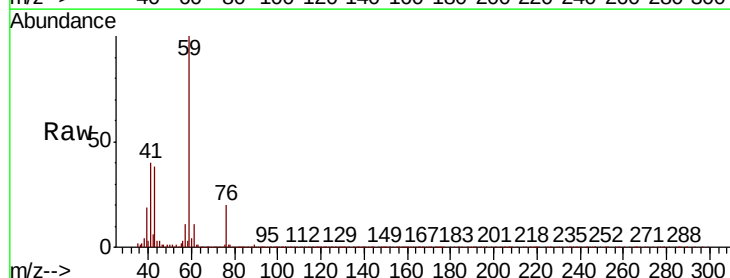
Acq: 03 Dec 2019 20:51

Tgt Ion: 59 Resp: 252485

Ion Ratio Lower Upper

59 100

57 10.3 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

120000

100000

80000

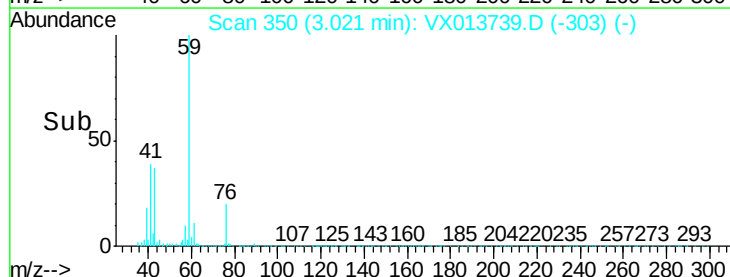
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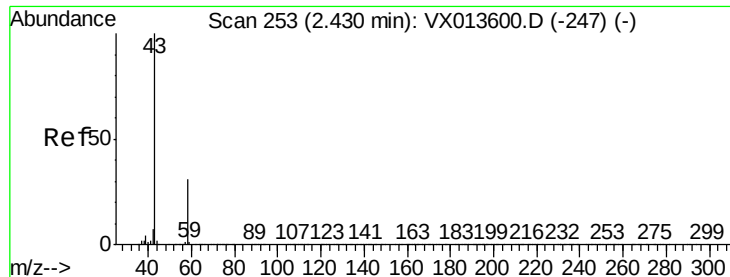
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20000

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Time-->





#16

Acetone

Concen: 97.993 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013739.D

Acq: 03 Dec 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

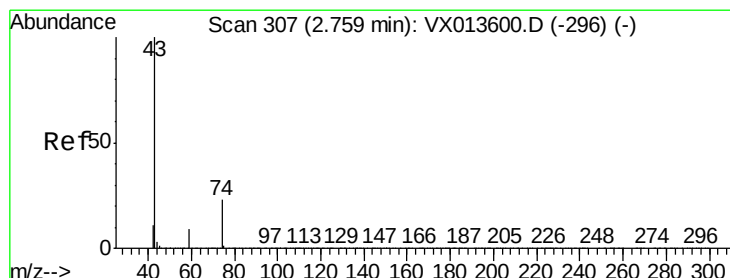
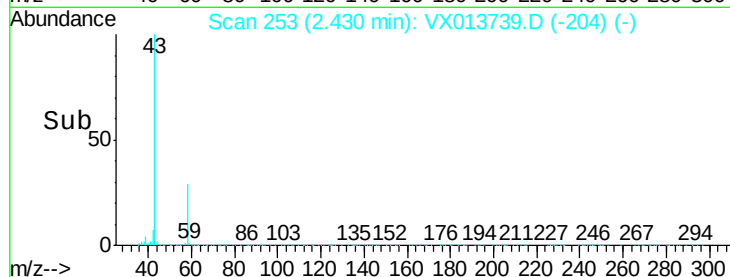
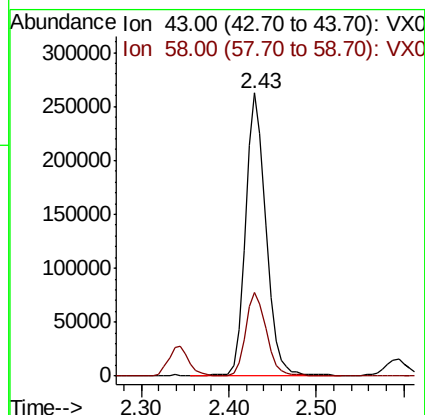
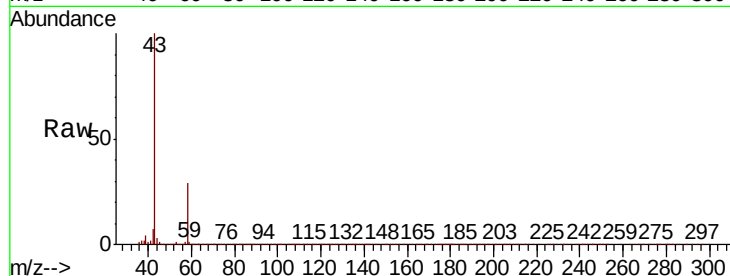
30738

Tot Ion: 43 Resp: 419802

Ion Ratio Lower Upper

43 100

58 29.3 24.6 36.8



#18

Methyl Acetate

Concen: 4.603 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013739.D

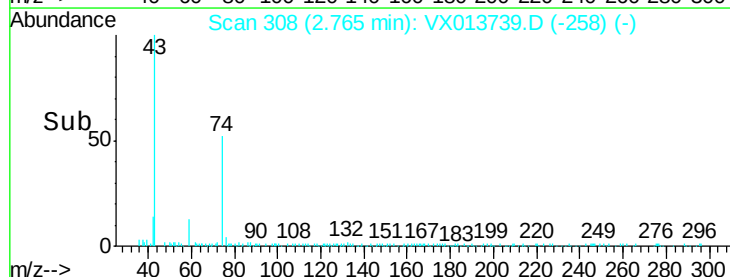
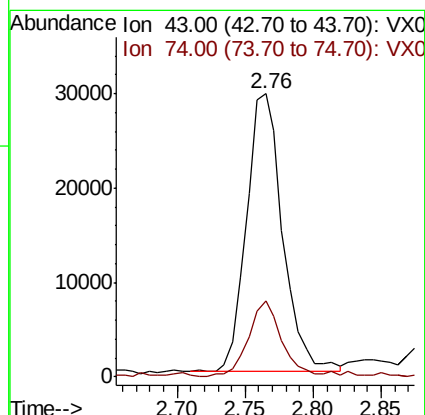
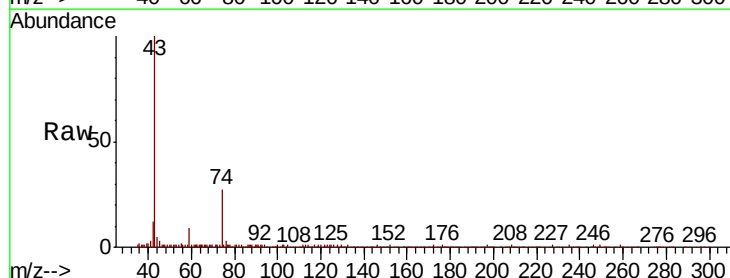
Acq: 03 Dec 2019 20:51

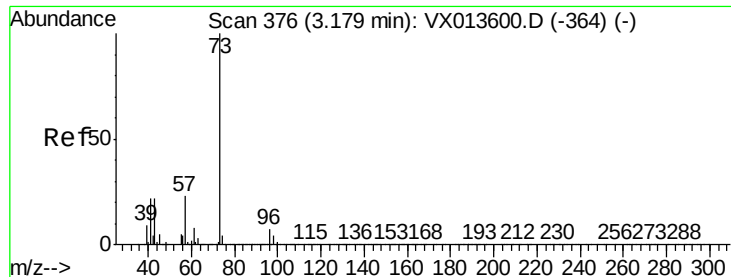
Tgt Ion: 43 Resp: 54906

Ion Ratio Lower Upper

43 100

74 25.4 19.5 29.3

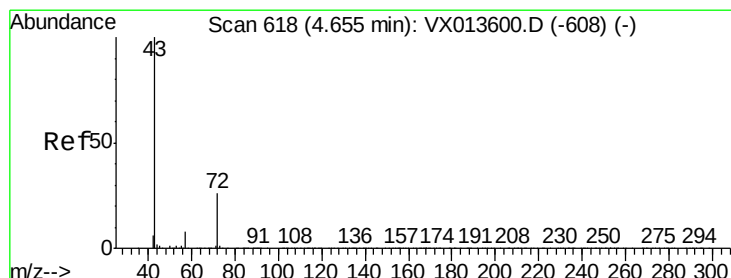
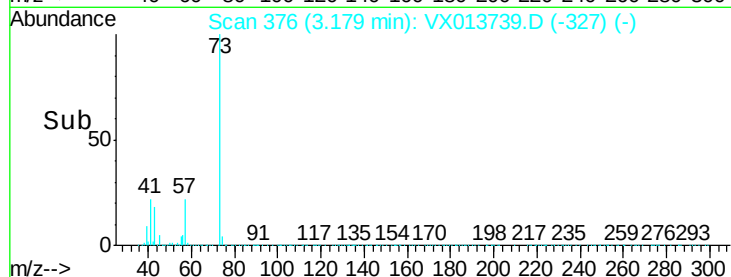
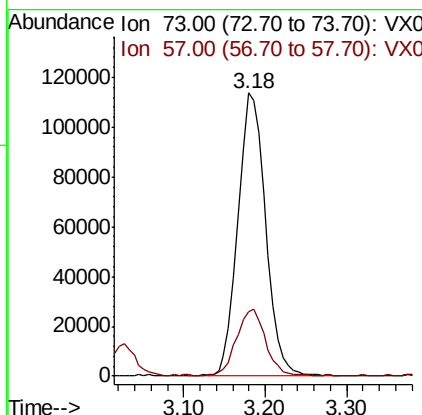
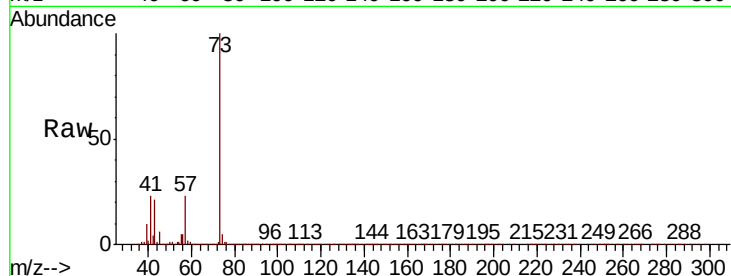




#19
Methyl tert-butyl Ether
Concen: 11.354 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013739.D
Acq: 03 Dec 2019 20:51

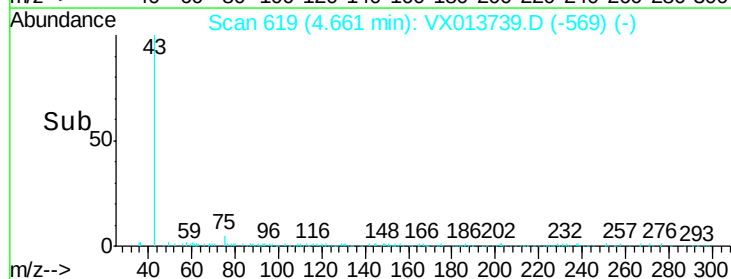
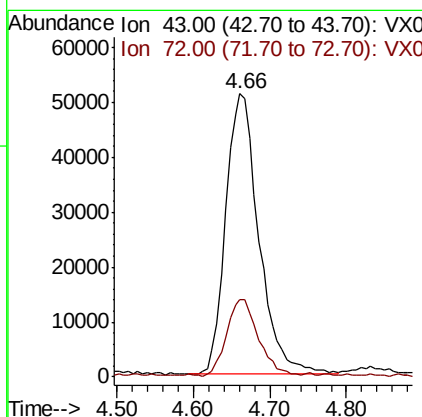
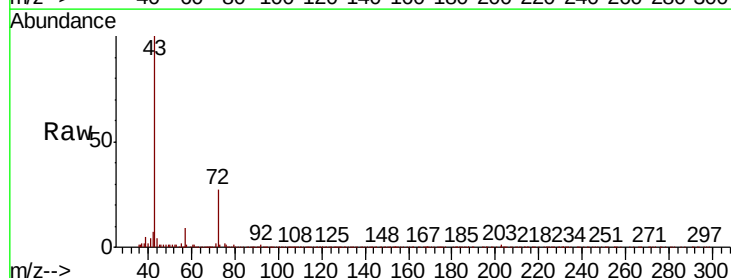
Instrument :
MSVOA_X
ClientSampleId :
30738

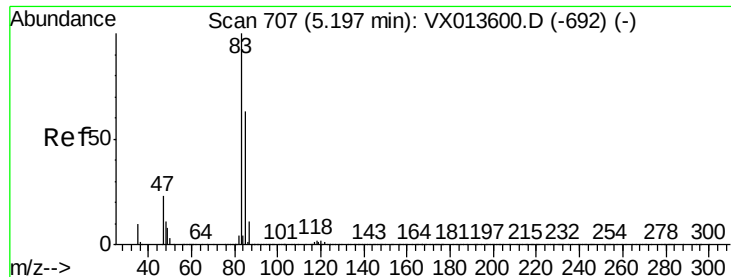
Tot Ion: 73 Resp: 267572
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5



#25
2-Butanone
Concen: 23.972 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX013739.D
Acq: 03 Dec 2019 20:51

Tgt Ion: 43 Resp: 152629
Ion Ratio Lower Upper
43 100
72 26.7 20.6 31.0

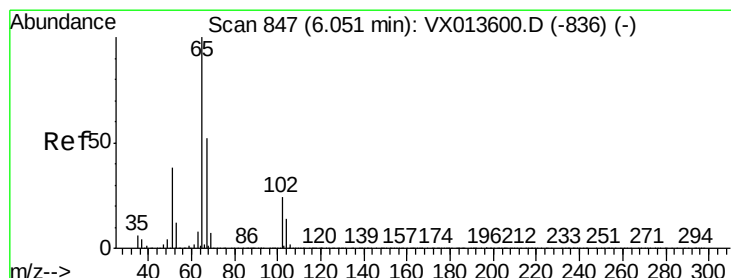
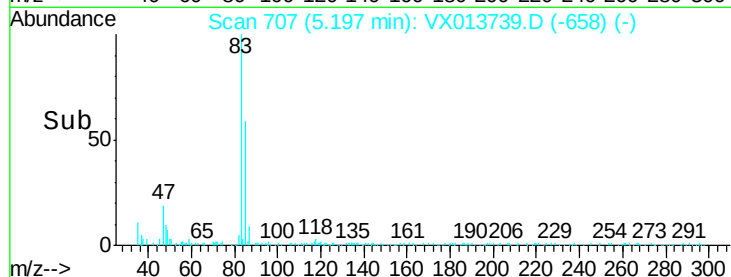
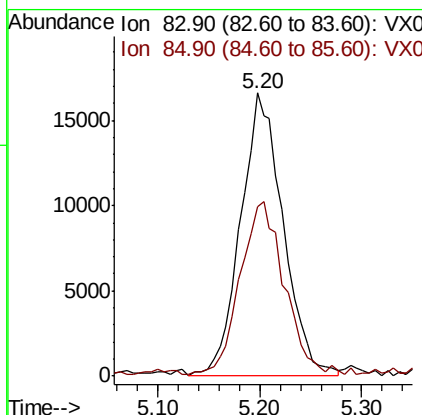
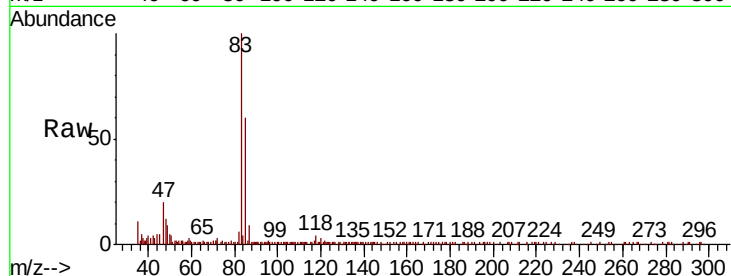




#30
Chloroform
Concen: 3.501 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013739.D
Acq: 03 Dec 2019 20:51

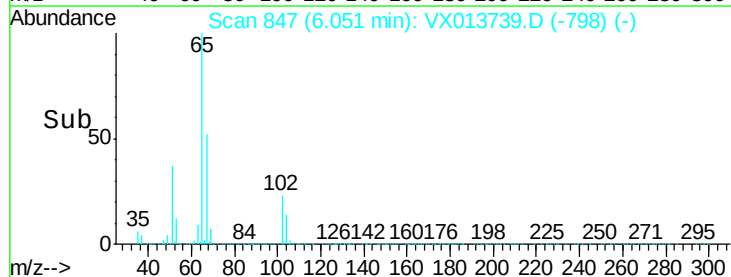
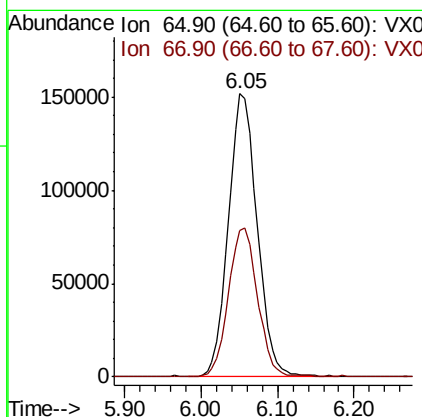
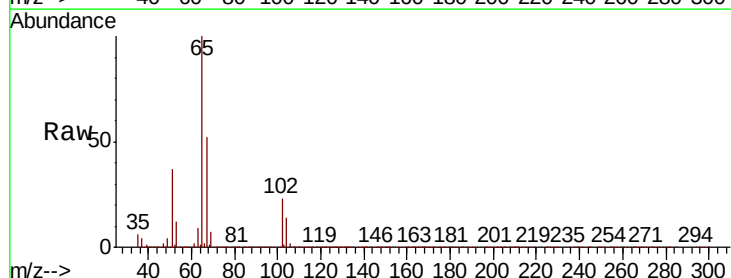
Instrument :
MSVOA_X
ClientSampleId :
30738

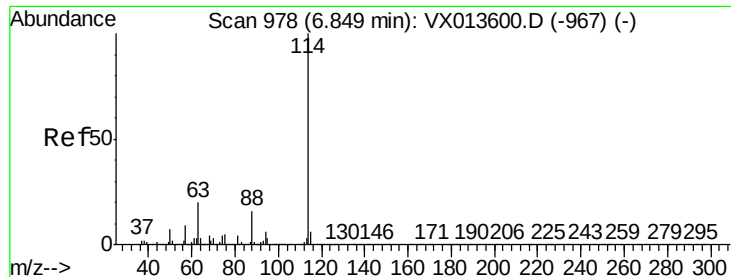
Tot Ion: 83 Resp: 48256
Ion Ratio Lower Upper
83 100
85 60.0 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 45.438 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013739.D
Acq: 03 Dec 2019 20:51

Tgt Ion: 65 Resp: 394268
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.4



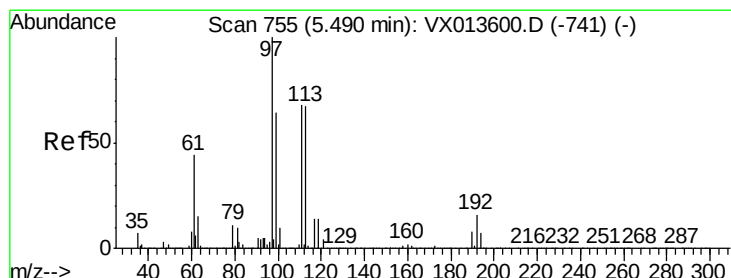
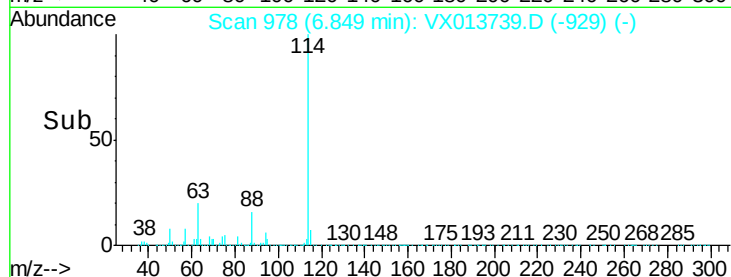
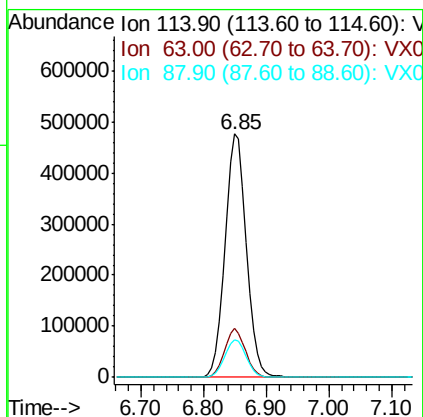
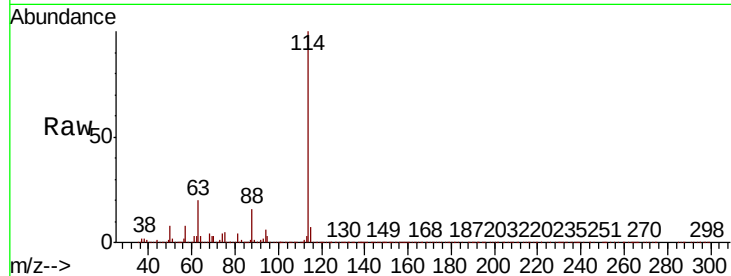


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013739.D
 Acq: 03 Dec 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 30738

Tot Ion:114 Resp: 1117022

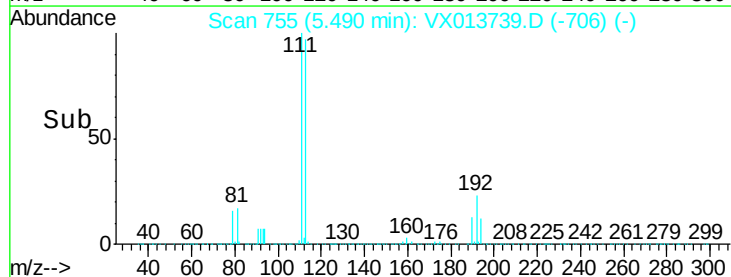
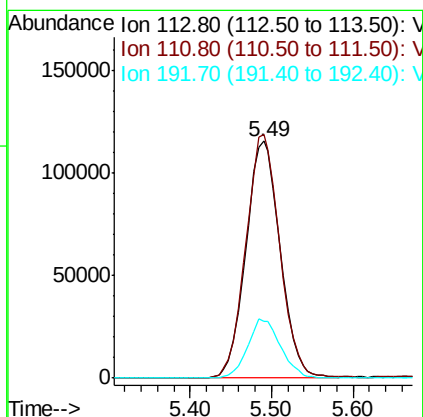
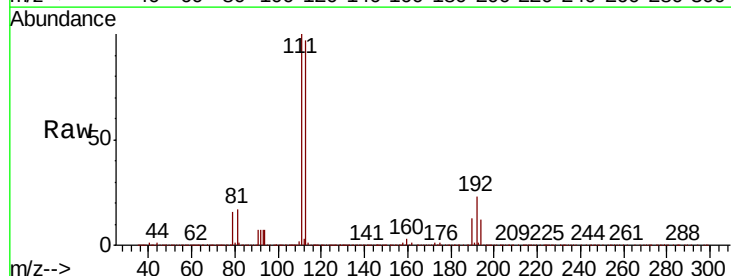
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	15.5	0.0	31.4

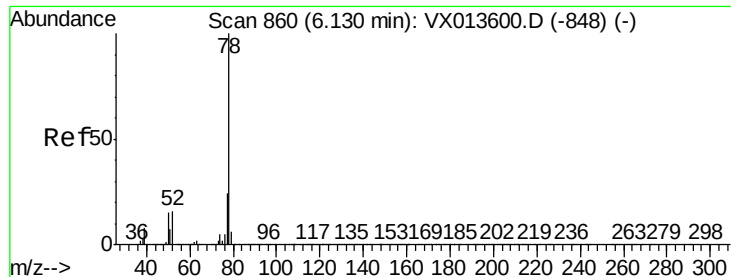


#35
 Dibromofluoromethane
 Concen: 48.914 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX013739.D
 Acq: 03 Dec 2019 20:51

Tgt Ion:113 Resp: 337781

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.6	125.4
192	24.2	19.2	28.8





#40

Benzene

Concen: 68.124 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013739.D

Acq: 03 Dec 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

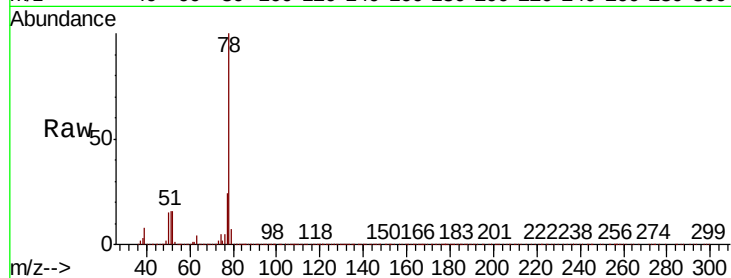
30738

Tot Ion: 78 Resp: 2103816

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

800000

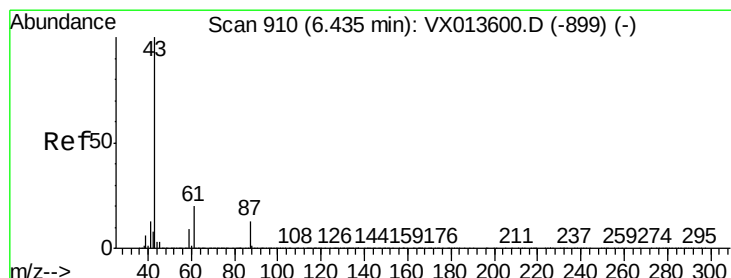
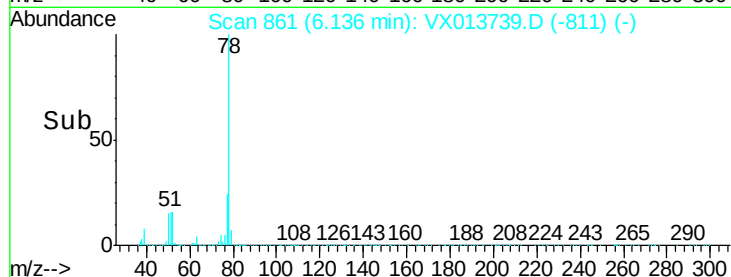
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400000

200000

0

Time-->



#43

Isopropyl Acetate

Concen: 1.903 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013739.D

Acq: 03 Dec 2019 20:51

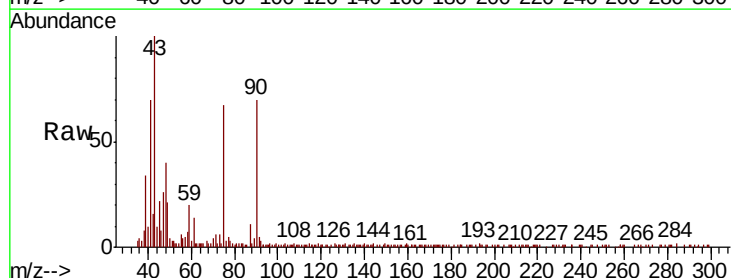
Tgt Ion: 43 Resp: 35641

Ion Ratio Lower Upper

43 100

61 17.3 16.3 24.5

87 8.4 10.8 16.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

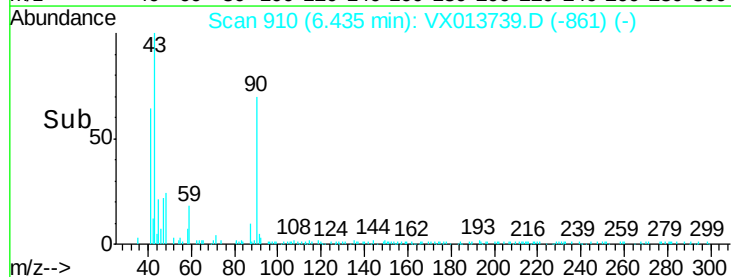
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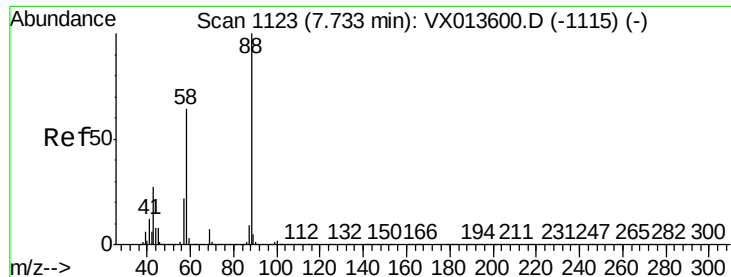
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Time-->

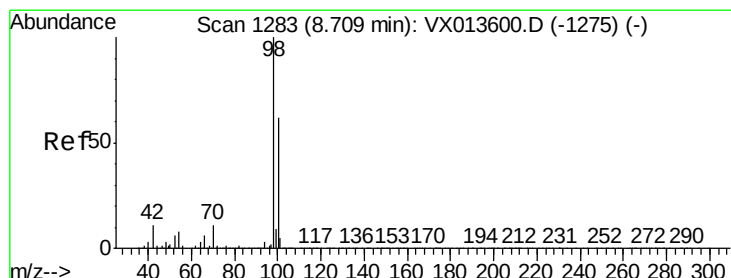
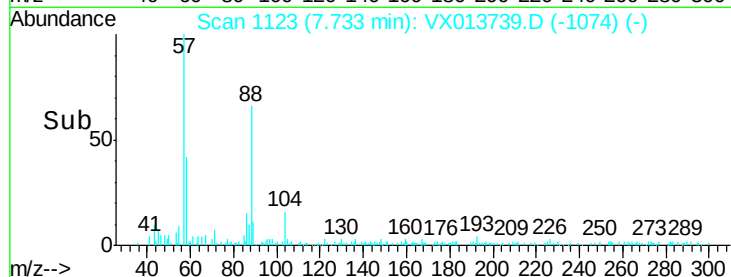
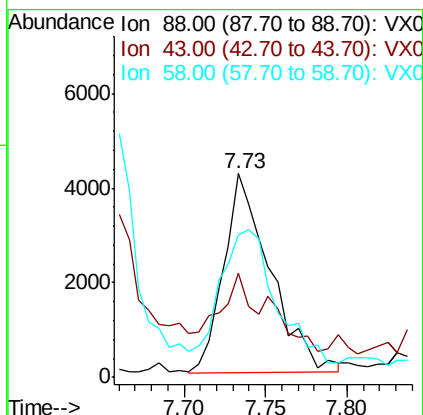
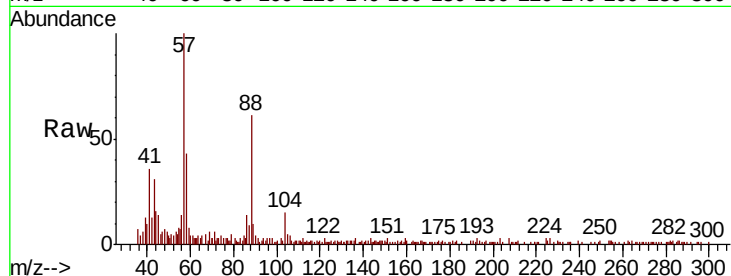




#49
1,4-Dioxane
Concen: 41.031 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013739.D
Acq: 03 Dec 2019 20:51

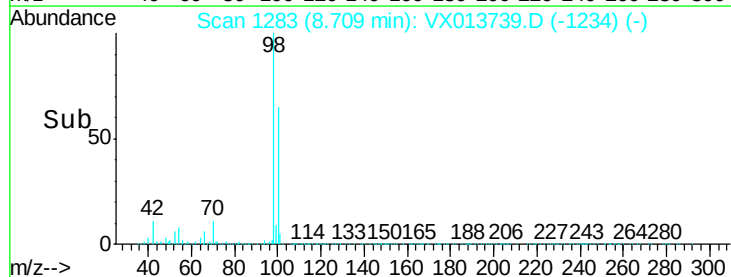
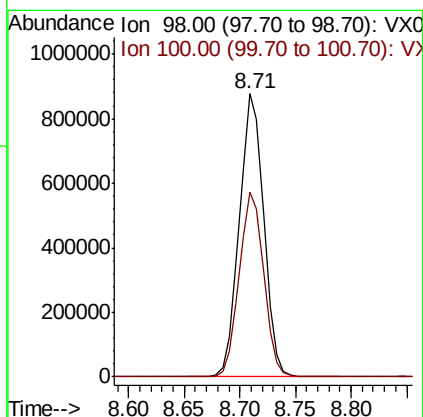
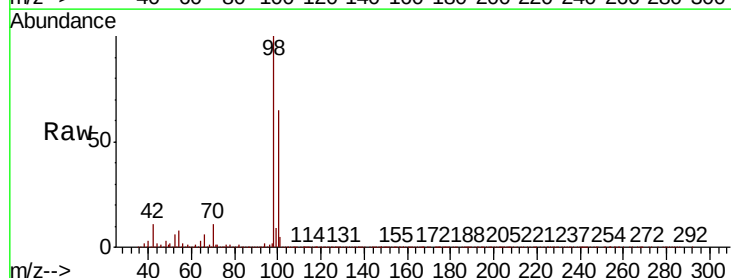
Instrument :
MSVOA_X
ClientSampleId :
30738

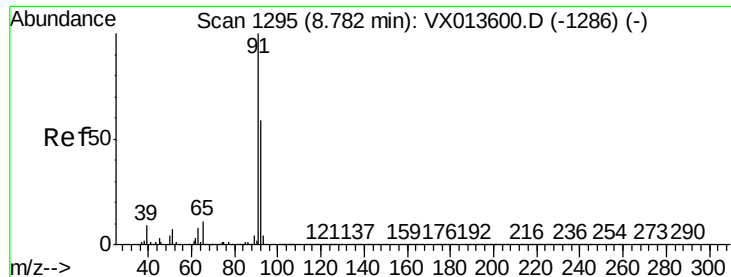
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.8	38.6#
58	98.9	54.6	82.0#



#50
Toluene-d8
Concen: 49.479 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013739.D
Acq: 03 Dec 2019 20:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.1	79.7





#52

Toluene

Concen: 120.750 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013739.D

Acq: 03 Dec 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

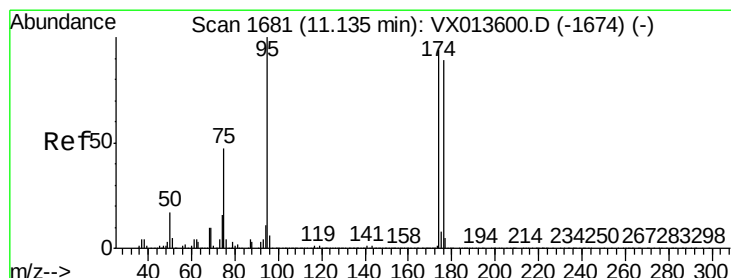
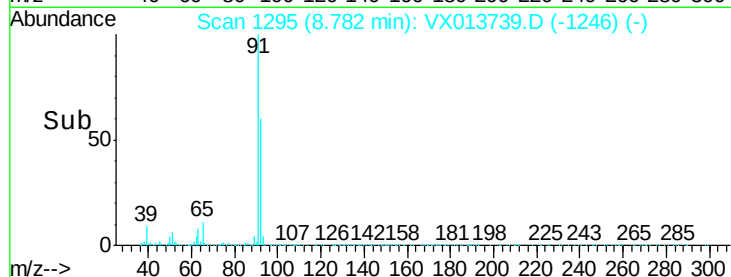
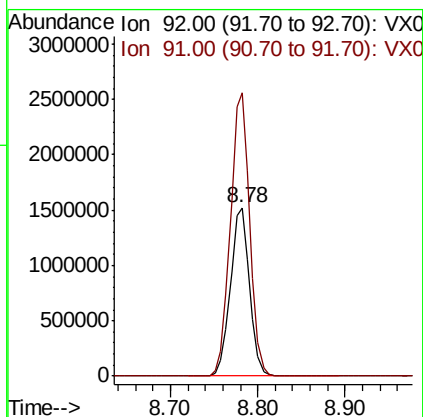
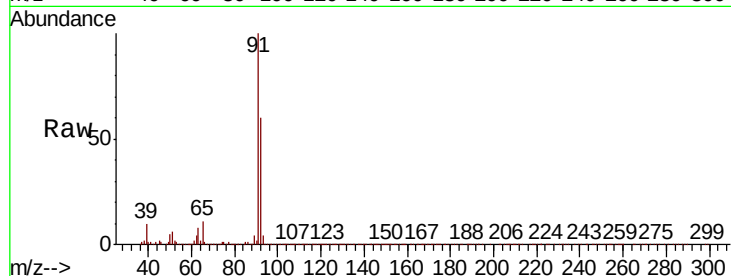
30738

Tot Ion: 92 Resp: 2316626

Ion Ratio Lower Upper

92 100

91 169.8 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 48.701 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013739.D

Acq: 03 Dec 2019 20:51

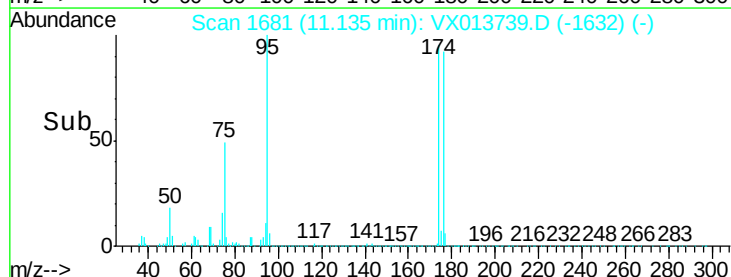
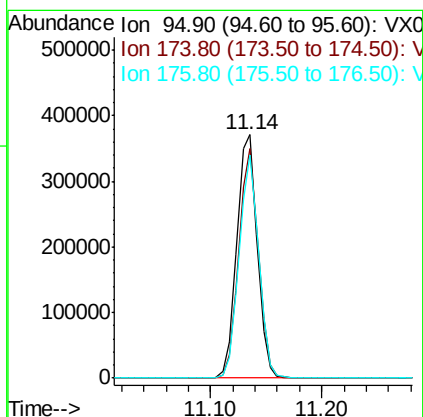
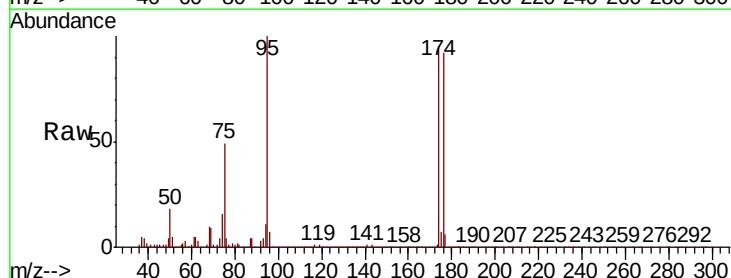
Tgt Ion: 95 Resp: 472499

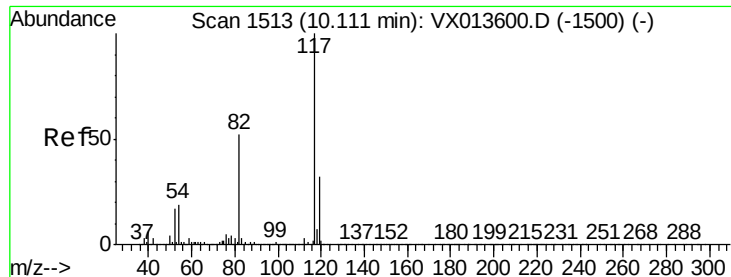
Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.0

176 88.0 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013739.D

Acq: 03 Dec 2019 20:51

Instrument :

MSVOA_X

ClientSampled :

30738

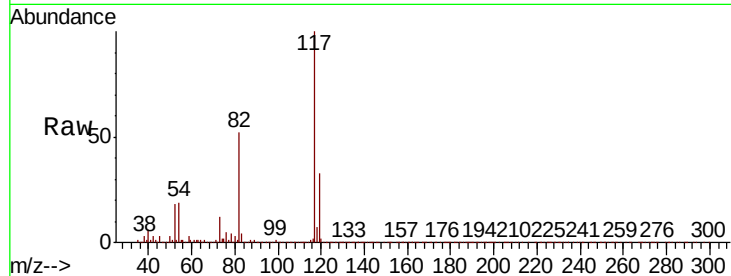
Tot Ion:117 Resp: 1005464

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

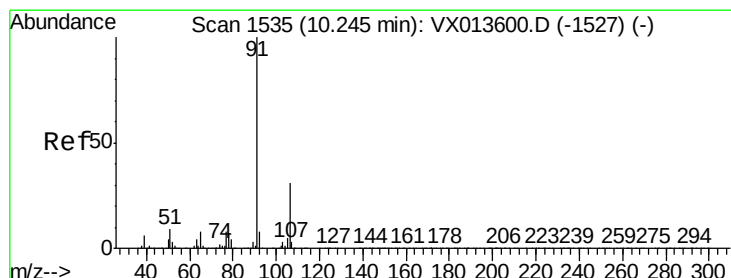
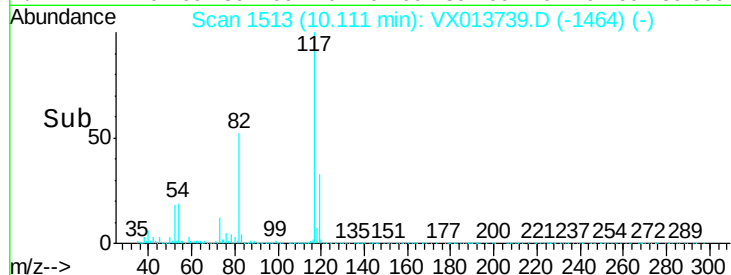
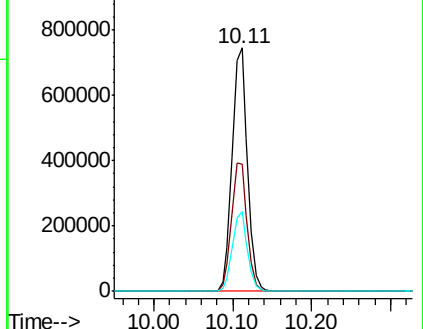
119 32.9 25.8 38.8



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: 5.854 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013739.D

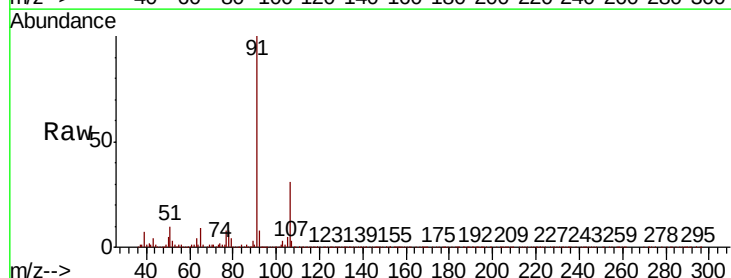
Acq: 03 Dec 2019 20:51

Tgt Ion: 91 Resp: 209995

Ion Ratio Lower Upper

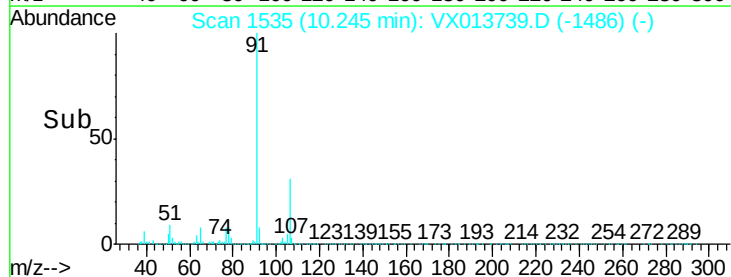
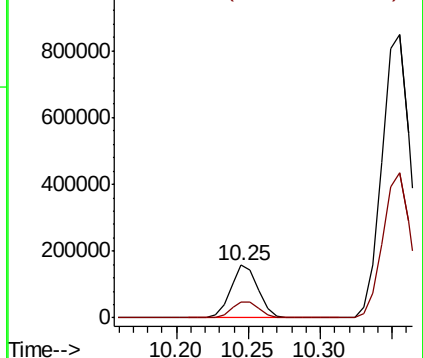
91 100

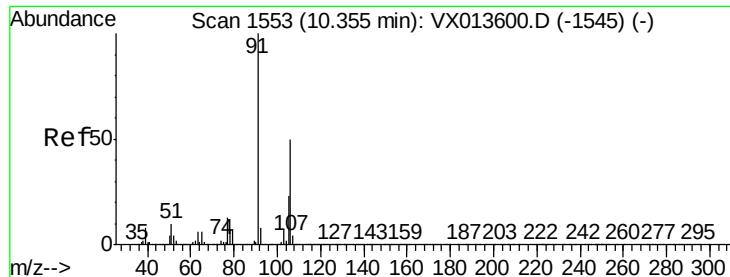
106 31.0 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 42.214 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013739.D

Acq: 03 Dec 2019 20:51

Instrument :

MSVOA_X

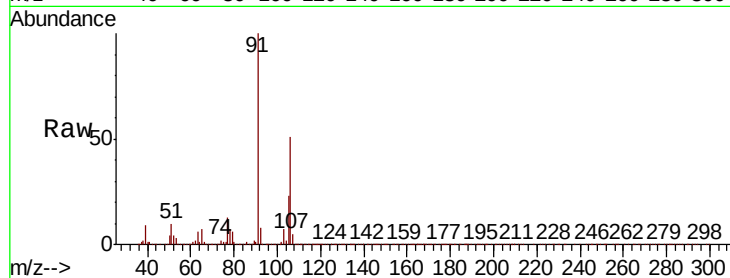
ClientSampleId :
30738

Tot Ion:106 Resp: 579768

Ion Ratio Lower Upper

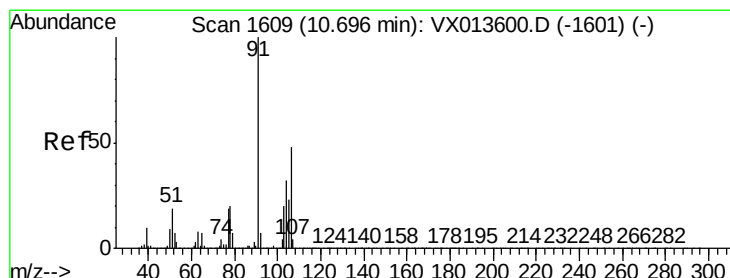
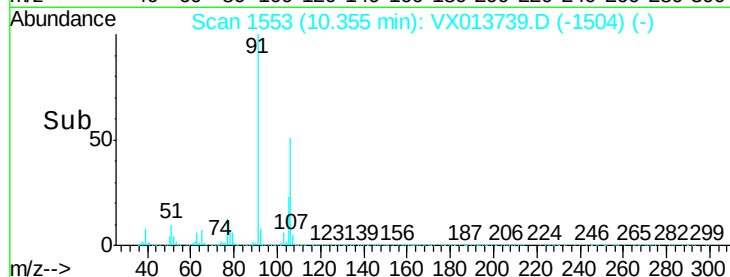
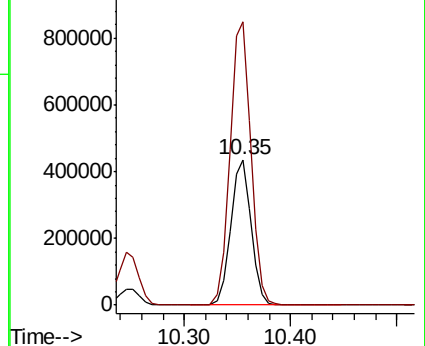
106 100

91 200.0 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 13.482 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013739.D

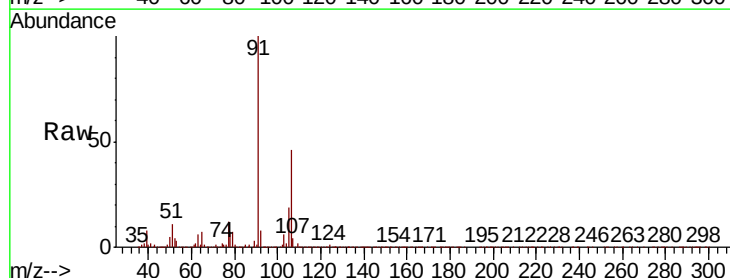
Acq: 03 Dec 2019 20:51

Tgt Ion:106 Resp: 180581

Ion Ratio Lower Upper

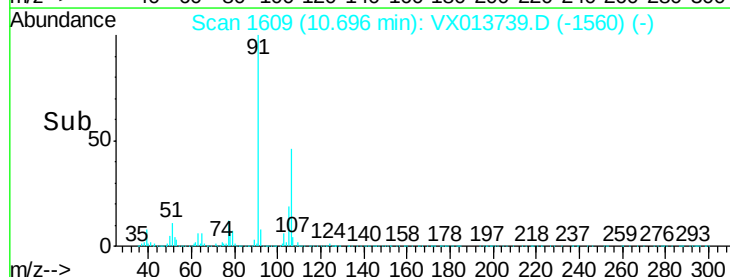
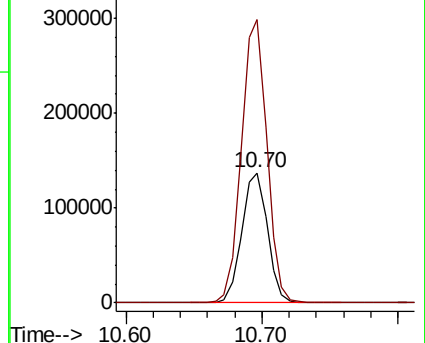
106 100

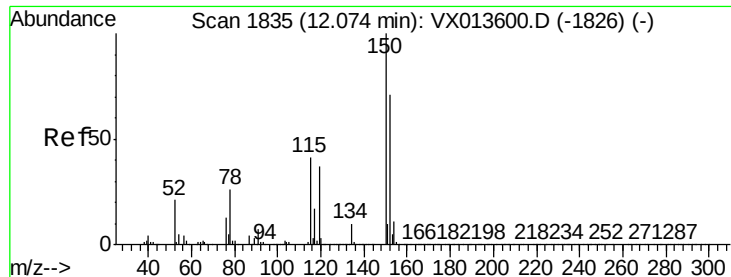
91 215.2 104.1 312.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013739.D

Acq: 03 Dec 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

30738

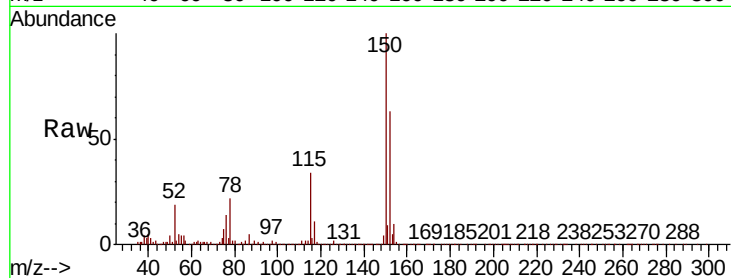
Tot Ion:152 Resp: 484047

Ion Ratio Lower Upper

152 100

115 54.3 38.4 115.1

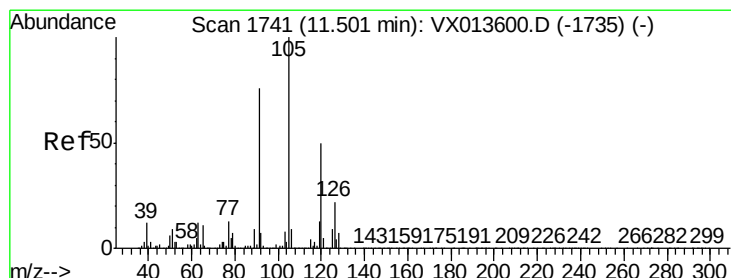
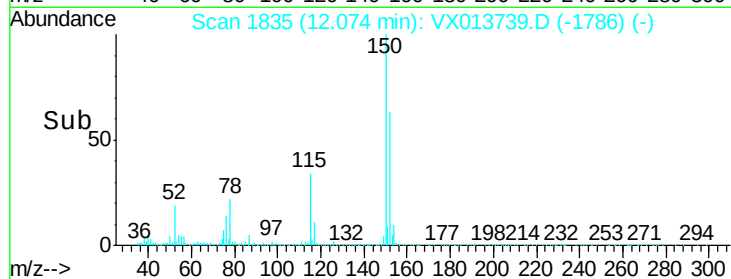
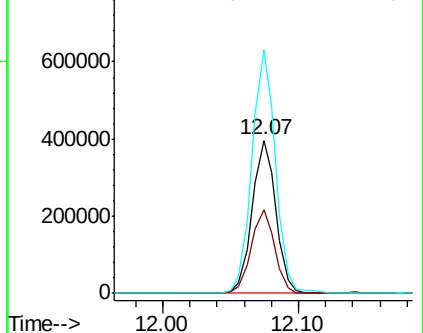
150 159.2 0.0 346.8



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



#80

1,3,5-Trimethylbenzene

Concen: 3.527 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013739.D

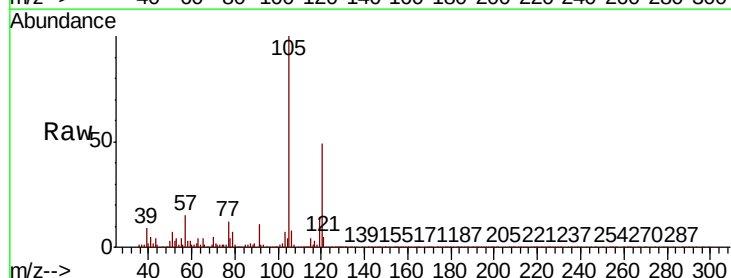
Acq: 03 Dec 2019 20:51

Tgt Ion:105 Resp: 98152

Ion Ratio Lower Upper

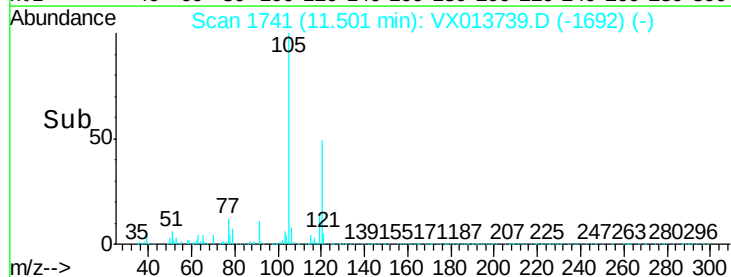
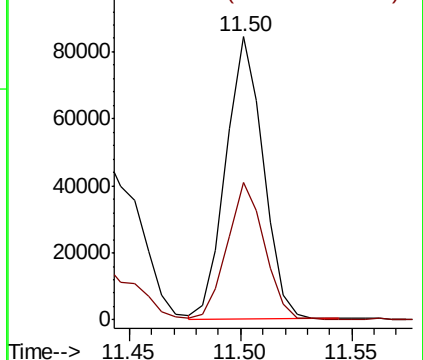
105 100

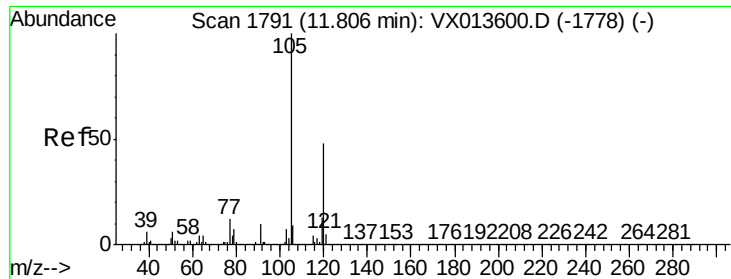
120 48.3 25.3 75.9



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: 7.416 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX013739.D
 Acq: 03 Dec 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 30738

Tot Ion:105 Resp: 209455
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.1 69.3

