

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013741.D
 Acq On : 03 Dec 2019 21:37
 Operator : JC/SP
 Sample : K6084-04 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30736

Quant Time: Dec 04 08:15:22 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	754398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1119916	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	996221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	481229	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	395283	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	
35) Dibromofluoromethane	5.49	113	333055	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
50) Toluene-d8	8.71	98	1331813	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.13	95	466367	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	

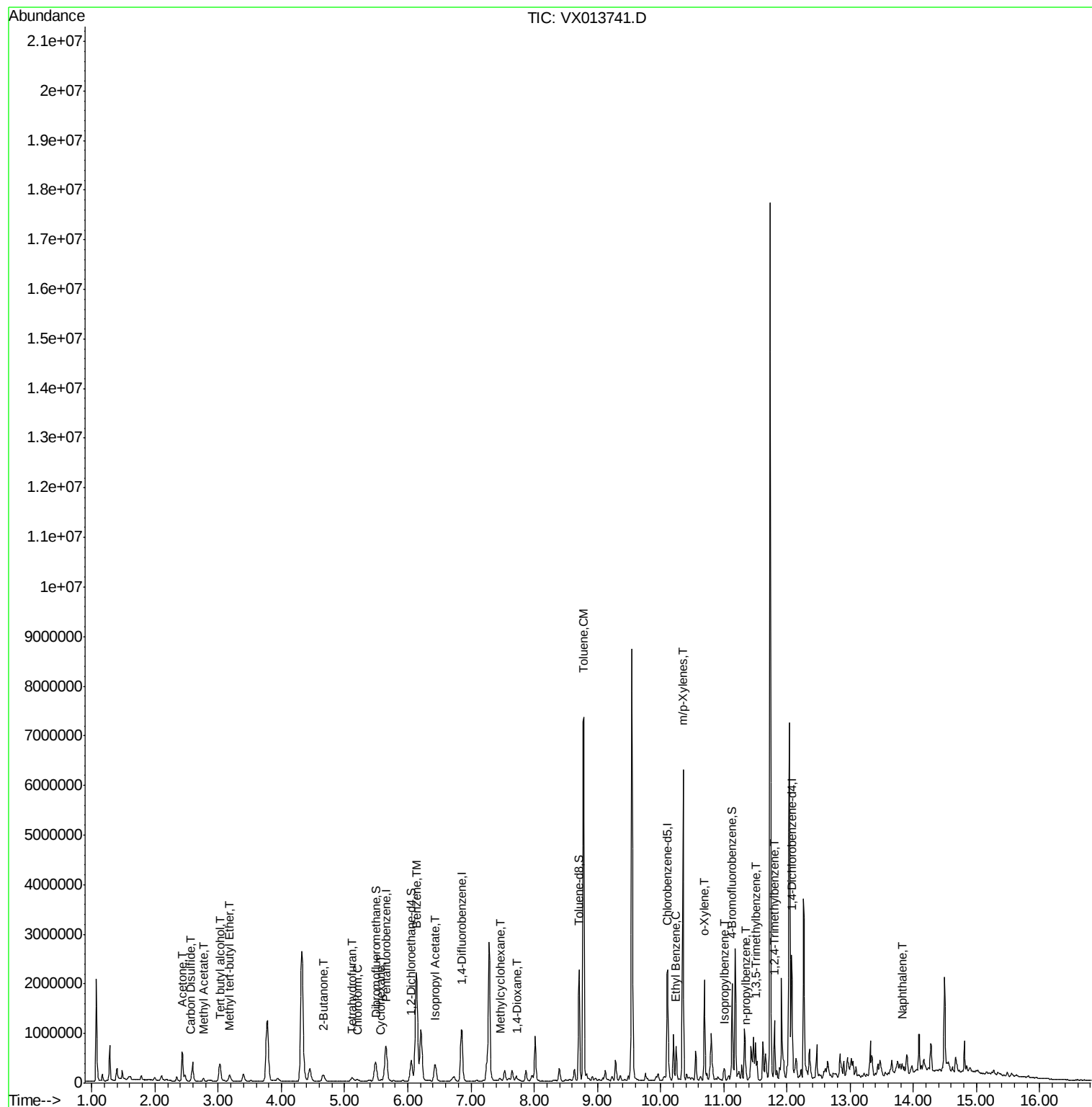
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	392777	181.717	ug/l	99
16) Acetone	2.43	43	616921	142.694	ug/l	98
17) Carbon Disulfide	2.56	76	26710	1.305	ug/l	100
18) Methyl Acetate	2.76	43	67706	5.624	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	119932	5.043	ug/l #	90
25) 2-Butanone	4.66	43	217575	33.862	ug/l	99
29) Tetrahydrofuran	5.12	42	23740	5.993	ug/l	98
30) Chloroform	5.20	83	42326	3.043	ug/l	96
31) Cyclohexane	5.58	56	20146	1.557	ug/l #	88
39) Methylcyclohexane	7.46	83	26387	2.100	ug/l	99
40) Benzene	6.14	78	2655864	85.777	ug/l	99
43) Isopropyl Acetate	6.43	43	326448	17.387	ug/l	96
49) 1,4-Dioxane	7.73	88	11933	58.437	ug/l #	51
52) Toluene	8.78	92	2806134	145.887	ug/l	100
67) Ethyl Benzene	10.24	91	396242	11.148	ug/l	100
68) m/p-Xylenes	10.35	106	1471414	108.132	ug/l	99
69) o-Xylene	10.70	106	444091	33.462	ug/l	98
73) Isopropylbenzene	11.01	105	71257	2.111	ug/l	99
78) n-propylbenzene	11.35	91	54594	1.449	ug/l	94
80) 1,3,5-Trimethylbenzene	11.50	105	298404	10.786	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	497482	17.717	ug/l	100
95) Naphthalene	13.83	128	54506	1.672	ug/l #	92

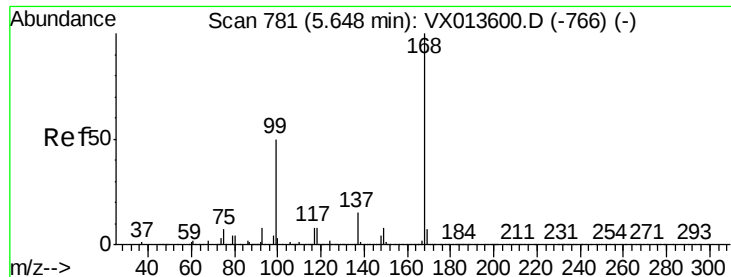
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013741.D

Acq: 03 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

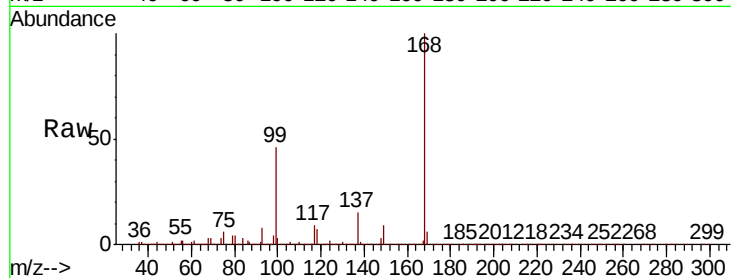
30736

Tot Ion:168 Resp: 754398

Ion Ratio Lower Upper

168 100

99 46.2 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

300000

250000

200000

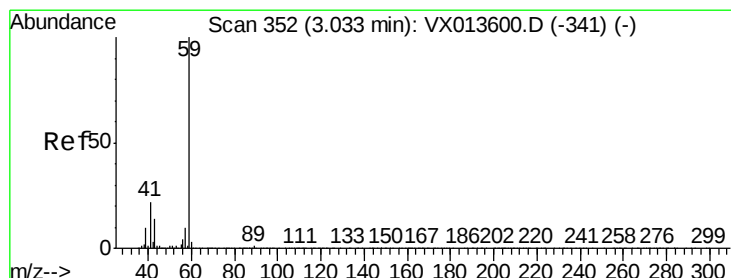
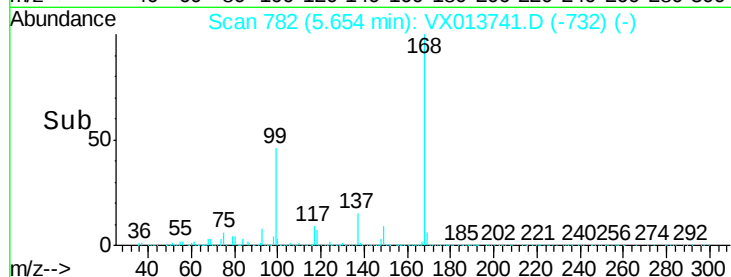
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 181.717 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013741.D

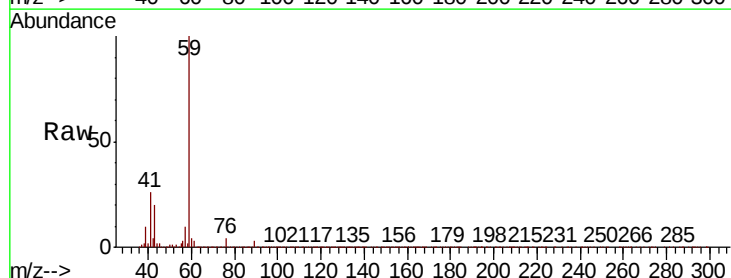
Acq: 03 Dec 2019 21:37

Tgt Ion: 59 Resp: 392777

Ion Ratio Lower Upper

59 100

57 9.9 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

200000

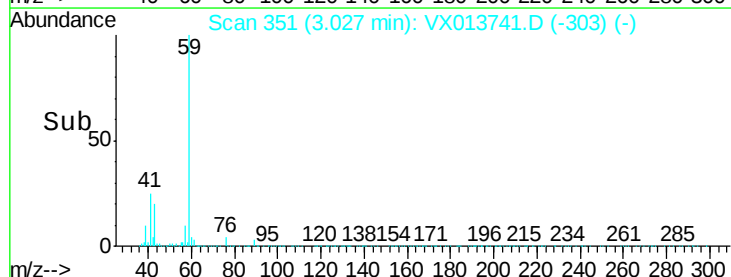
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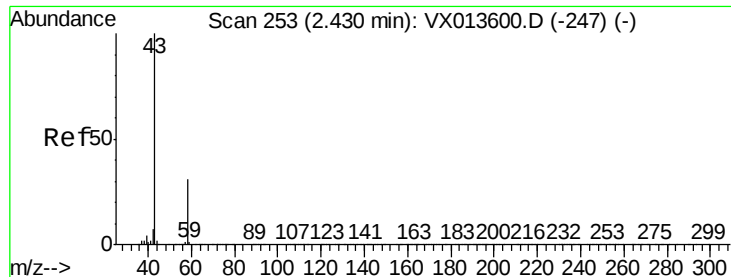
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50000

0

Time-->





#16

Acetone

Concen: 142.694 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

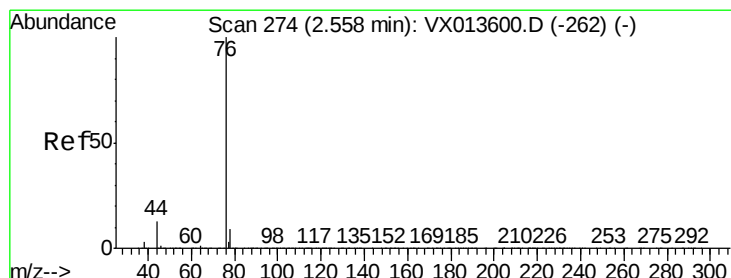
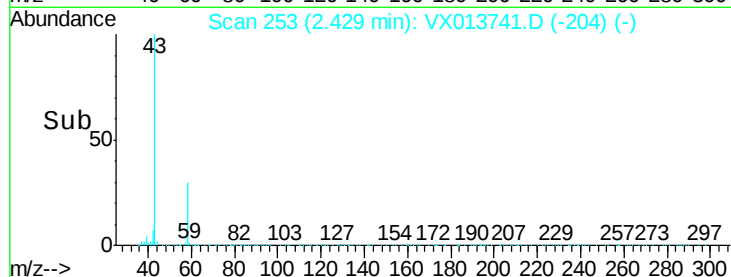
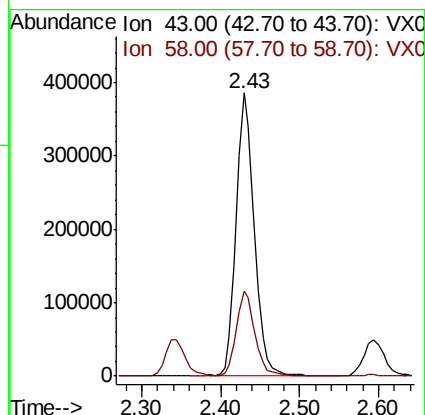
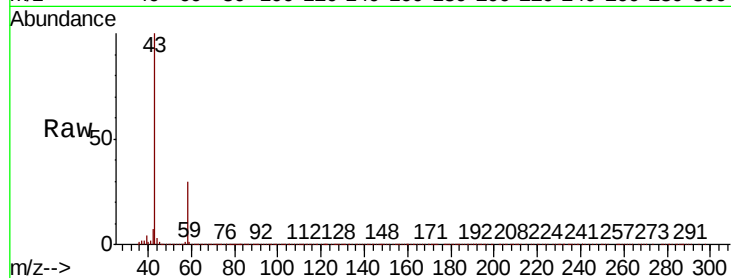
30736

Tot Ion: 43 Resp: 616921

Ion Ratio Lower Upper

43 100

58 29.8 24.6 36.8



#17

Carbon Disulfide

Concen: 1.305 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013741.D

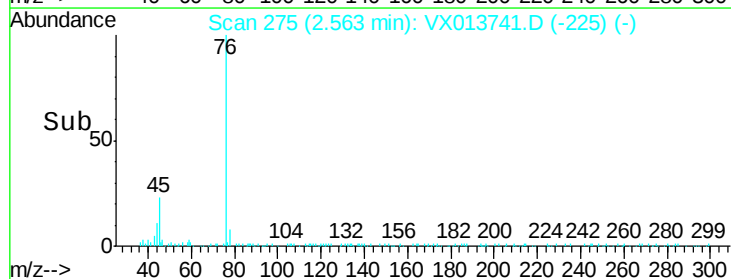
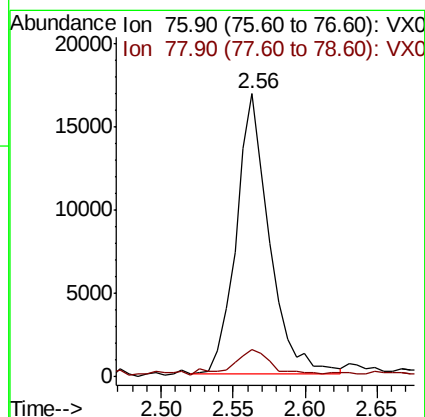
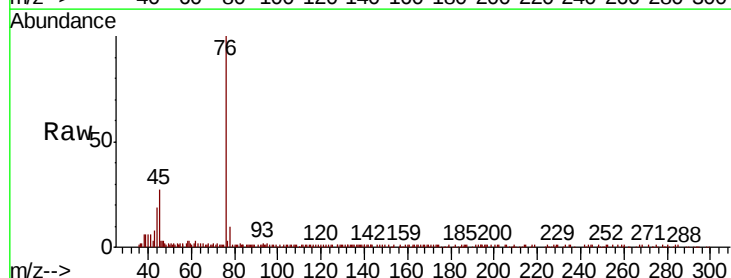
Acq: 03 Dec 2019 21:37

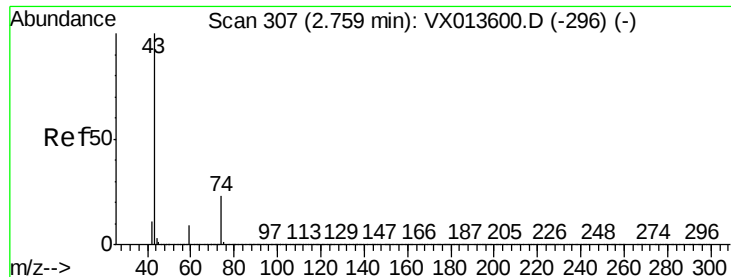
Tgt Ion: 76 Resp: 26710

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

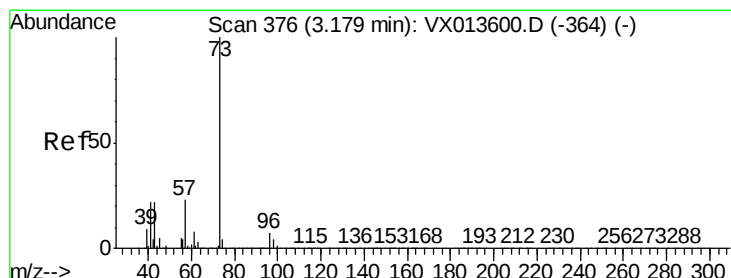
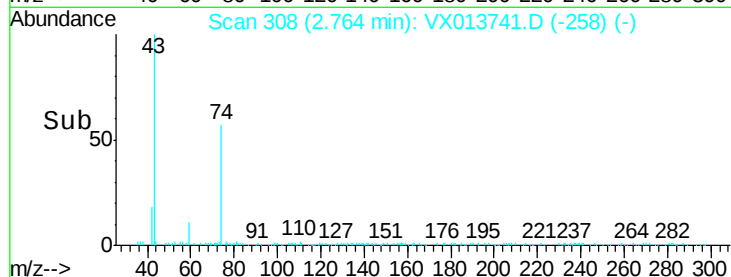
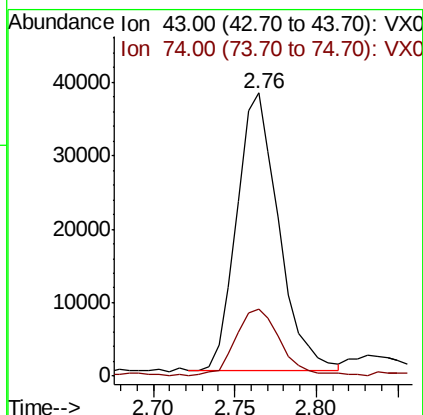
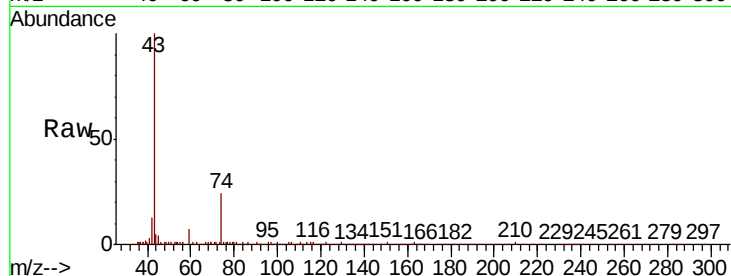




#18
Methyl Acetate
Concen: 5.624 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013741.D
Acq: 03 Dec 2019 21:37

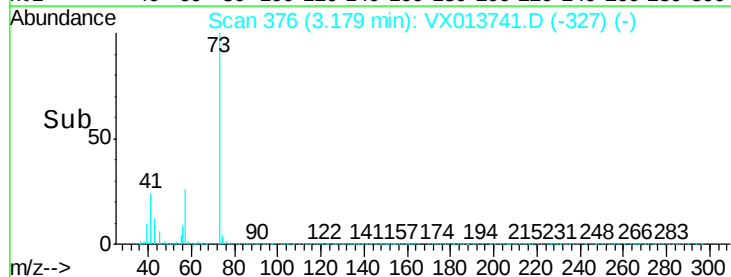
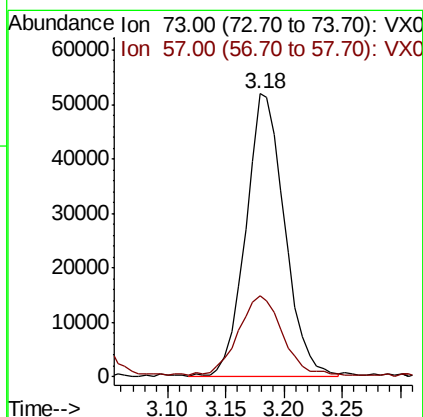
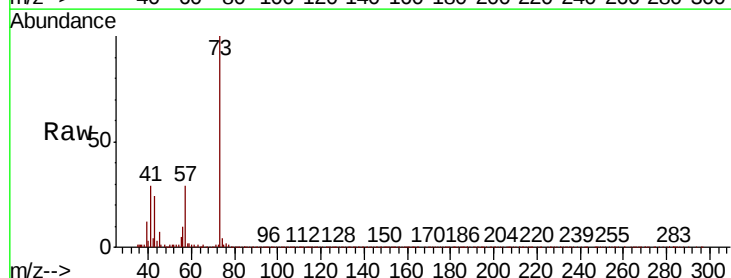
Instrument :
MSVOA_X
ClientSampleId :
30736

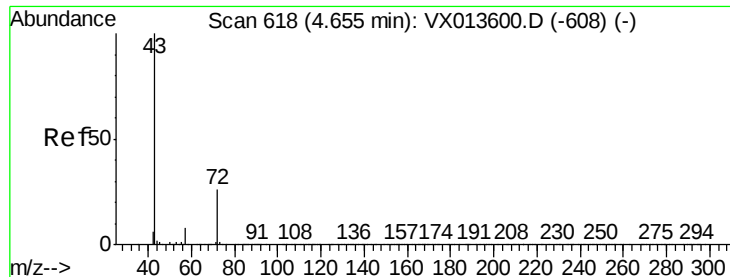
Tot Ion: 43 Resp: 67706
Ion Ratio Lower Upper
43 100
74 26.3 19.5 29.3



#19
Methyl tert-butyl Ether
Concen: 5.043 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX013741.D
Acq: 03 Dec 2019 21:37

Tgt Ion: 73 Resp: 119932
Ion Ratio Lower Upper
73 100
57 27.8 18.3 27.5#





#25

2-Butanone

Concen: 33.862 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

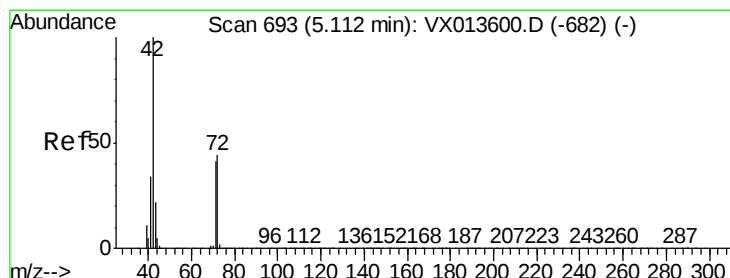
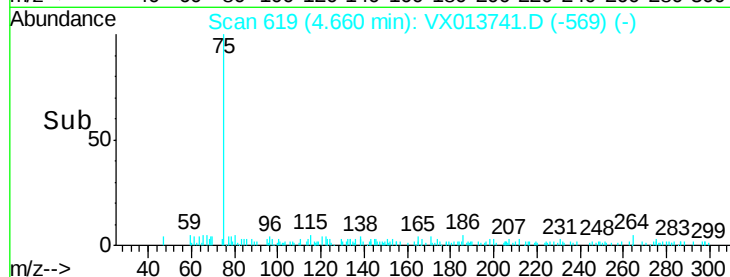
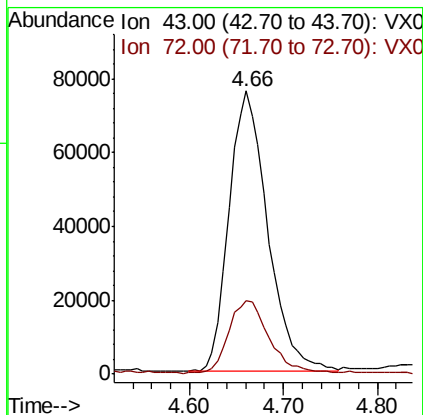
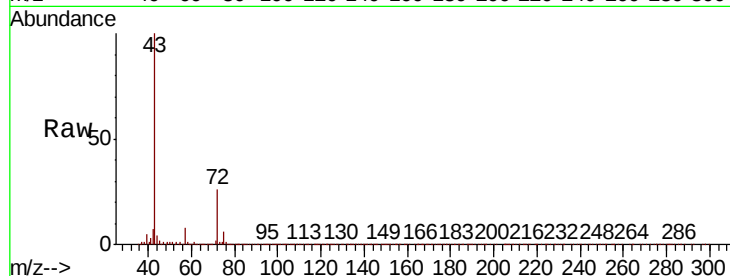
30736

Tot Ion: 43 Resp: 217575

Ion Ratio Lower Upper

43 100

72 25.5 20.6 31.0



#29

Tetrahydrofuran

Concen: 5.993 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

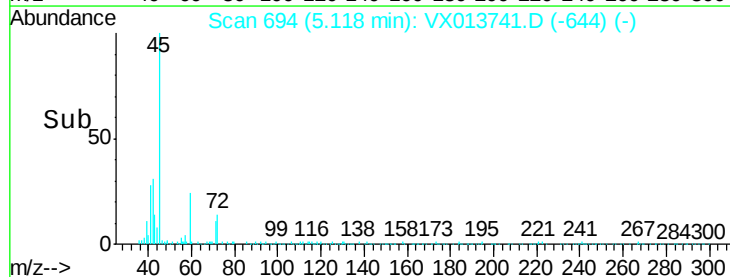
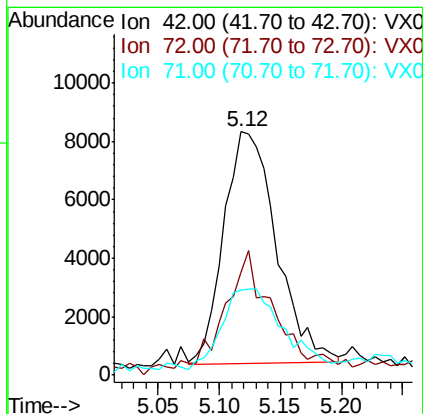
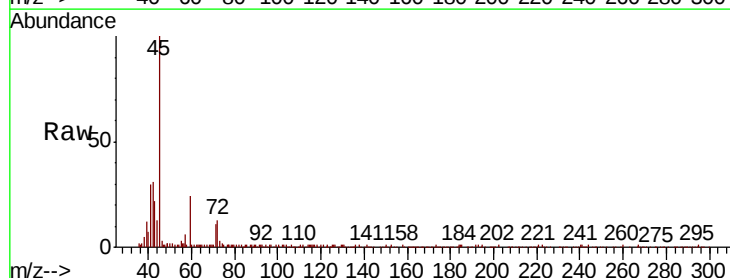
Tgt Ion: 42 Resp: 23740

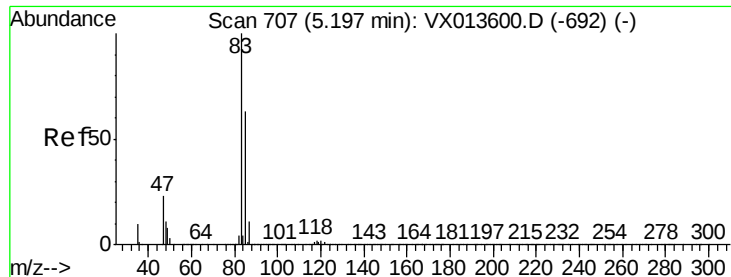
Ion Ratio Lower Upper

42 100

72 43.6 36.3 54.5

71 42.6 33.2 49.8

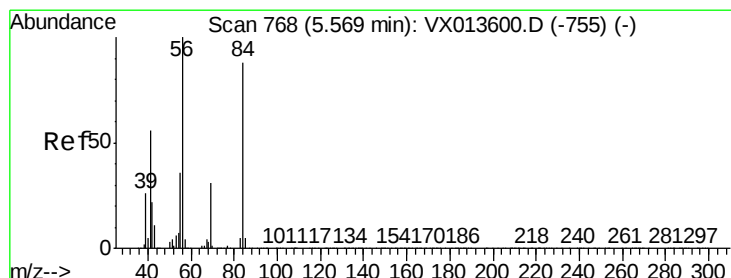
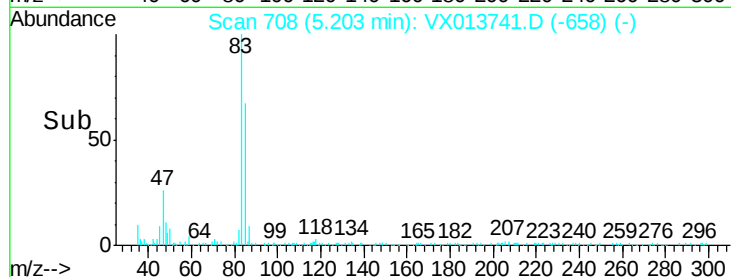
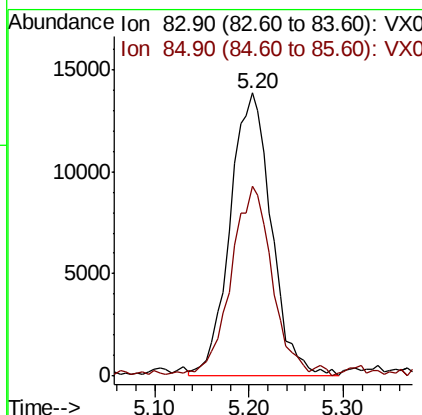
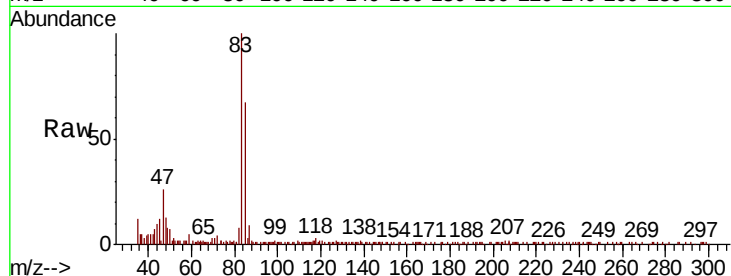




#30
Chloroform
Concen: 3.043 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013741.D
Acq: 03 Dec 2019 21:37

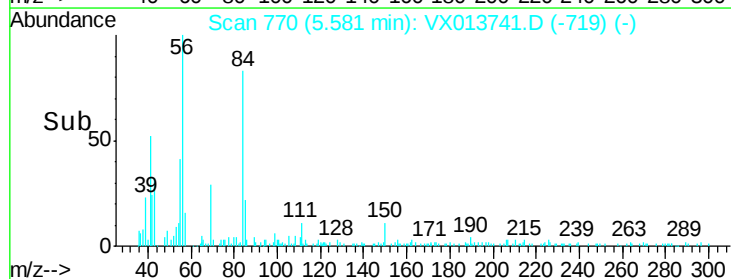
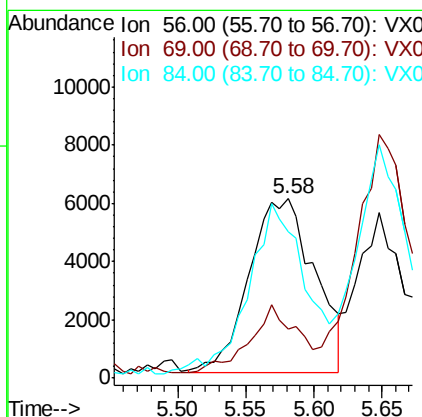
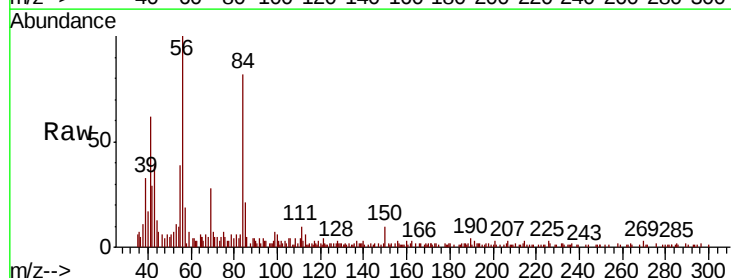
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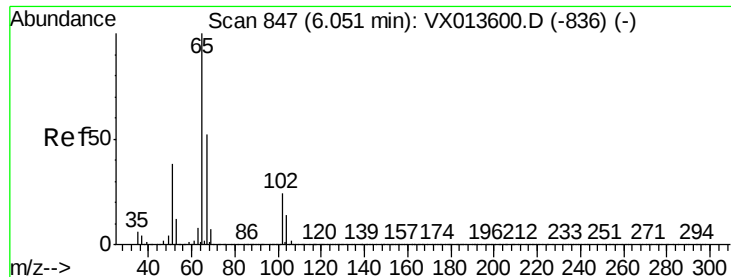
Tot Ion: 83 Resp: 42326
Ion Ratio Lower Upper
83 100
85 65.9 50.2 75.4



#31
Cyclohexane
Concen: 1.557 ug/l
RT: 5.58 min Scan# 770
Delta R.T. 0.01 min
Lab File: VX013741.D
Acq: 03 Dec 2019 21:37

Tgt Ion: 56 Resp: 20146
Ion Ratio Lower Upper
56 100
69 20.8 24.6 36.8#
84 78.2 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 45.140 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

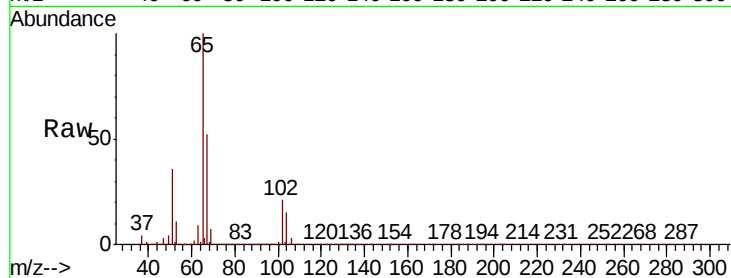
30736

Tot Ion: 65 Resp: 395283

Ion Ratio Lower Upper

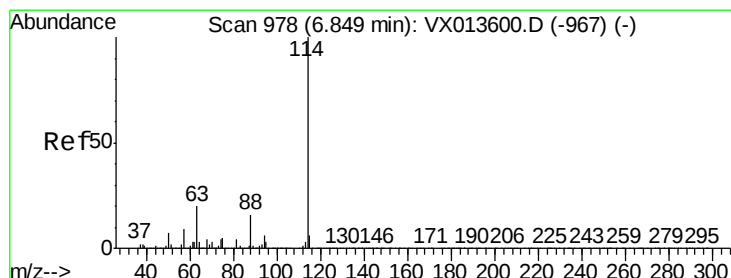
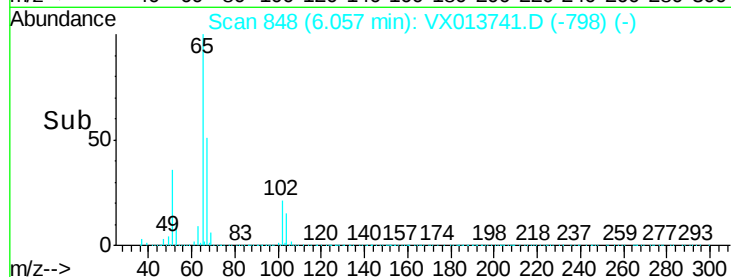
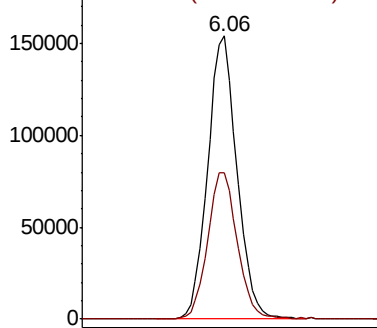
65 100

67 53.0 0.0 104.4



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: VX013741.D

Acq: 03 Dec 2019 21:37

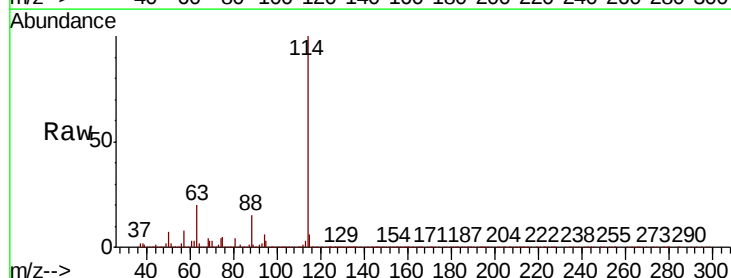
Tgt Ion: 114 Resp: 1119916

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

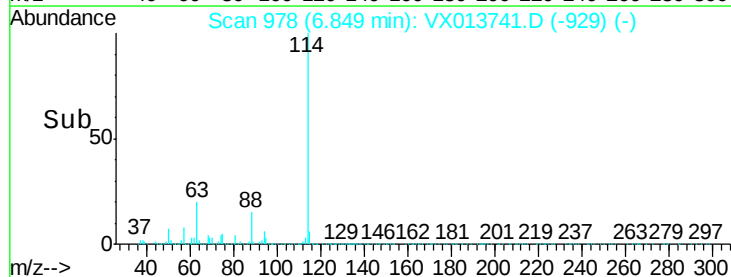
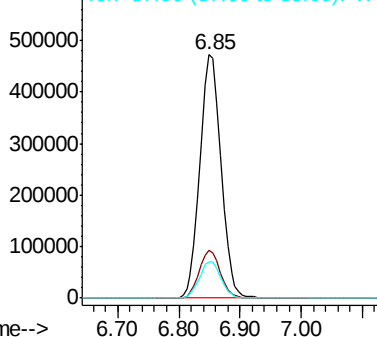
88 14.7 0.0 31.4

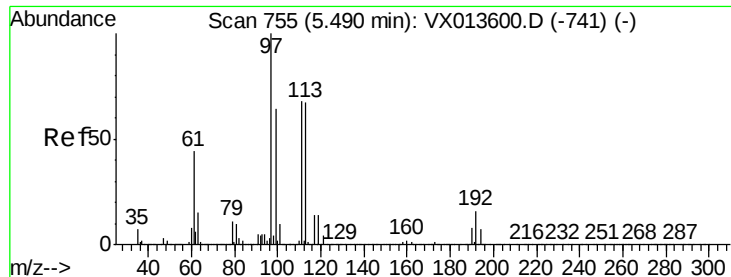


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

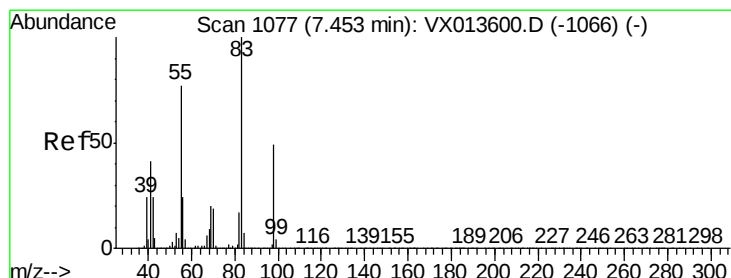
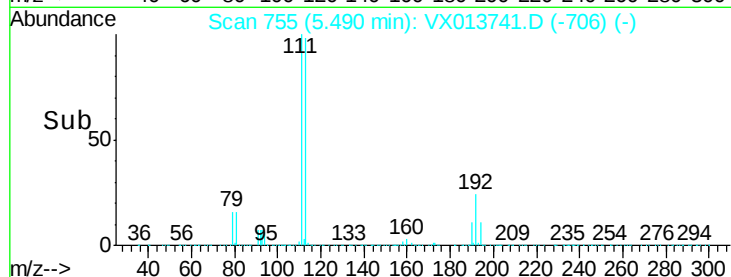
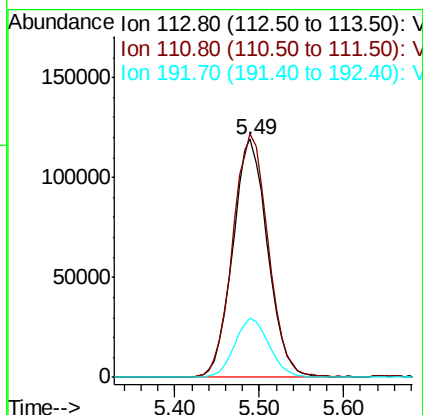
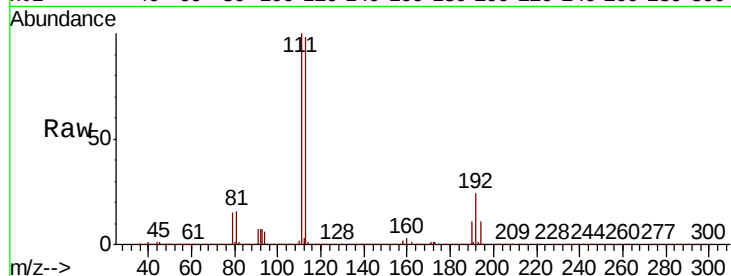




#35
Dibromofluoromethane
Concen: 48.105 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013741.D
Acq: 03 Dec 2019 21:37

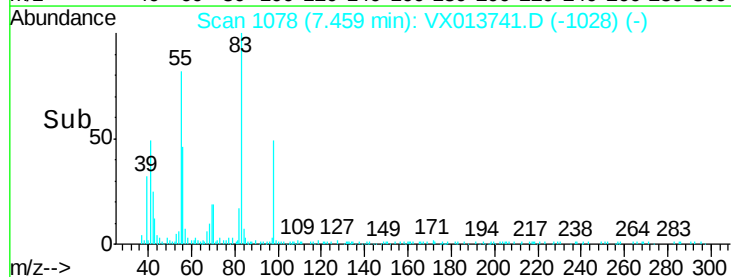
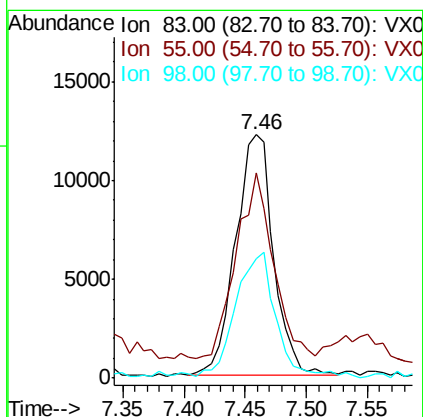
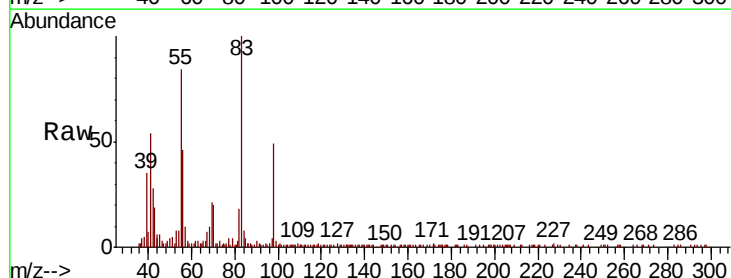
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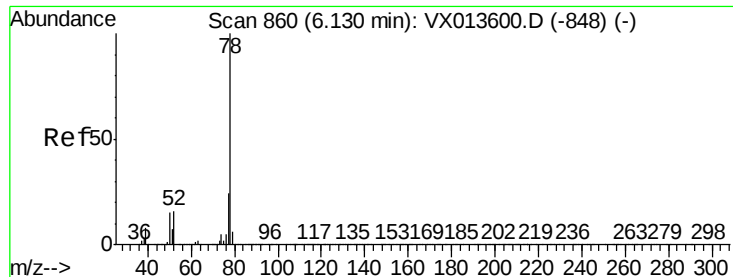
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.6	125.4
192	24.5	19.2	28.8



#39
Methylcyclohexane
Concen: 2.100 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013741.D
Acq: 03 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.9	92.9
98	48.6	39.4	59.0





#40

Benzene

Concen: 85.777 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampled :

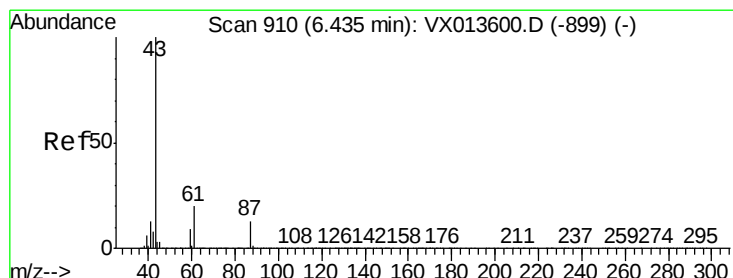
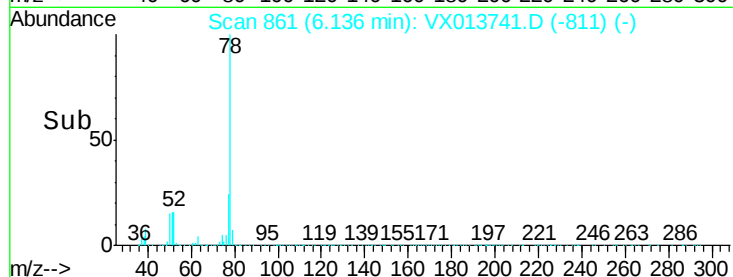
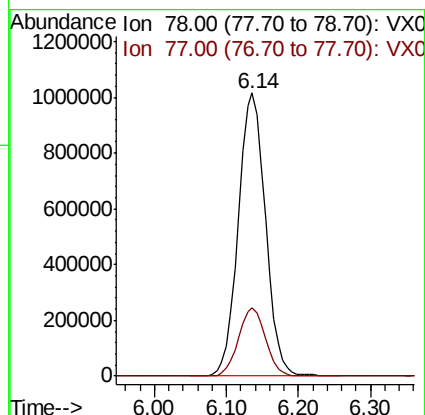
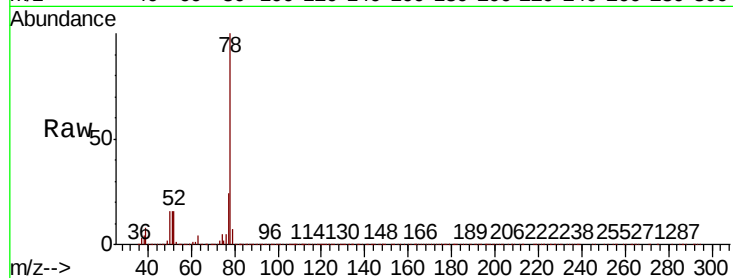
30736

Tot Ion: 78 Resp: 2655864

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4



#43

Isopropyl Acetate

Concen: 17.387 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

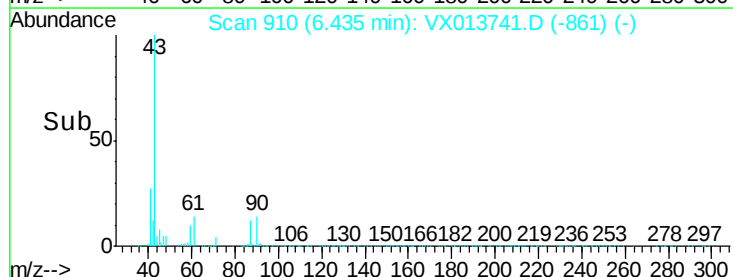
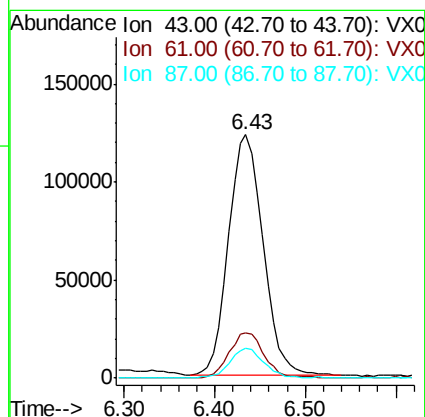
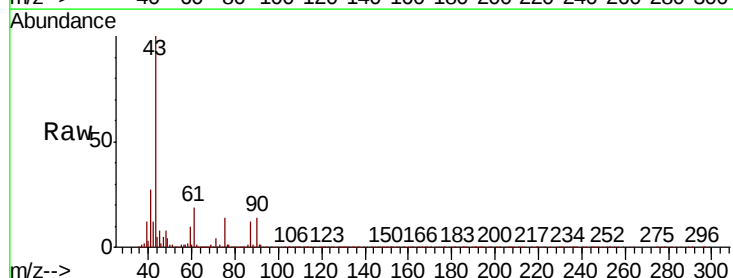
Tgt Ion: 43 Resp: 326448

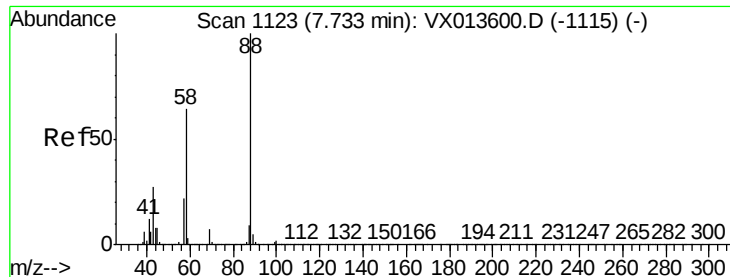
Ion Ratio Lower Upper

43 100

61 18.6 16.3 24.5

87 11.9 10.8 16.2





#49

1,4-Dioxane

Concen: 58.437 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

30736

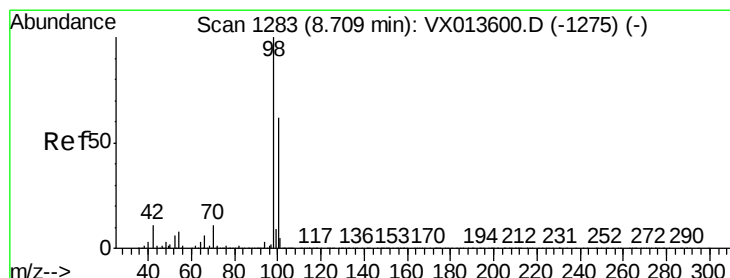
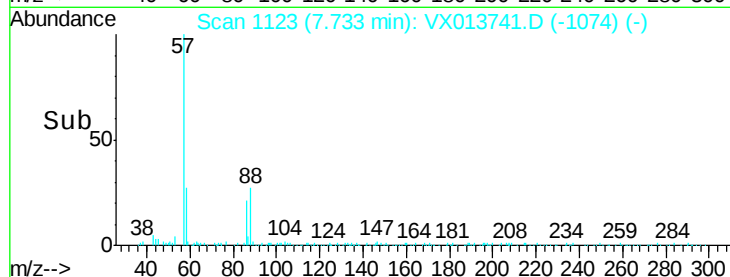
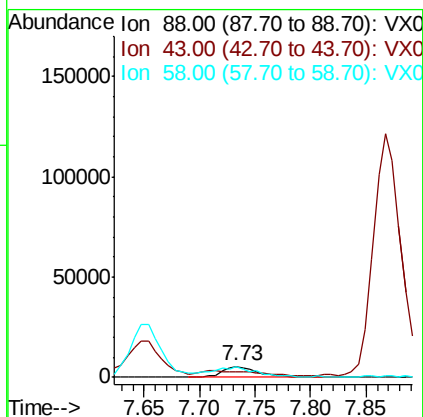
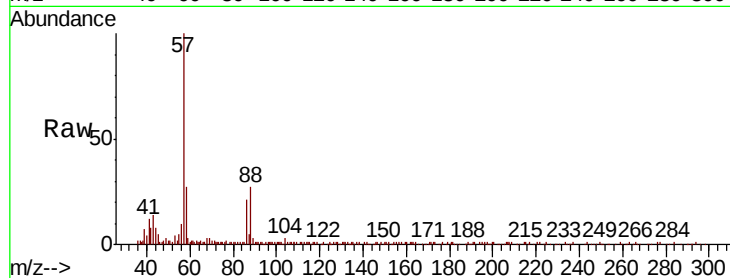
Tot Ion: 88 Resp: 11933

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 104.5 54.6 82.0#



#50

Toluene-d8

Concen: 49.373 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013741.D

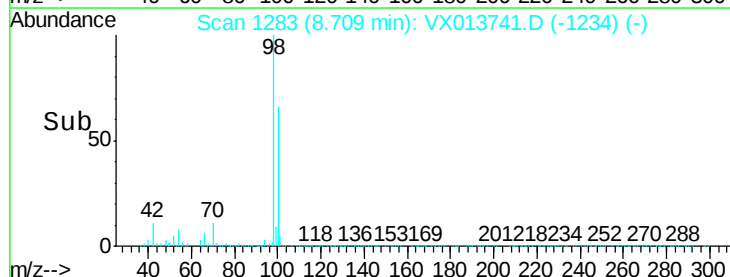
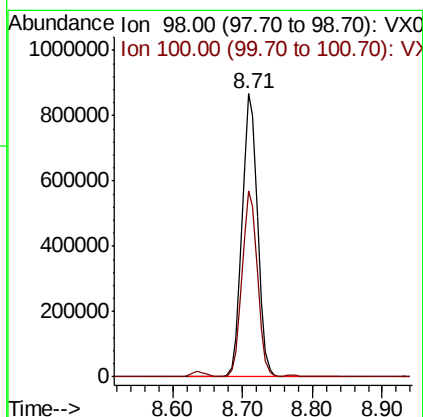
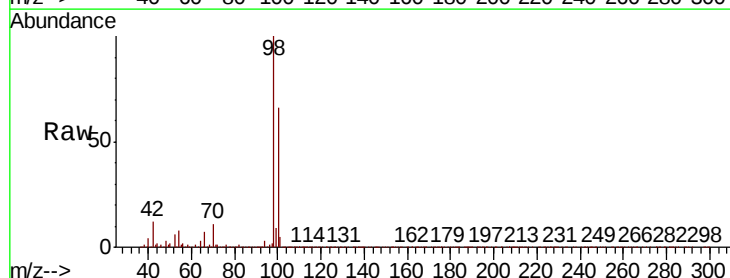
Acq: 03 Dec 2019 21:37

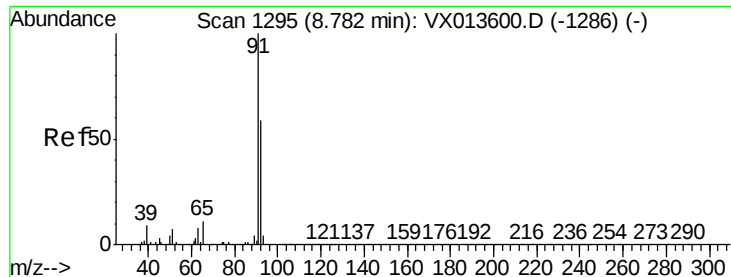
Tgt Ion: 98 Resp: 1331813

Ion Ratio Lower Upper

98 100

100 65.0 53.1 79.7





#52

Toluene

Concen: 145.887 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

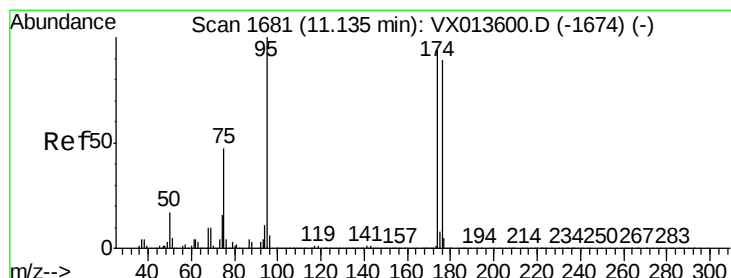
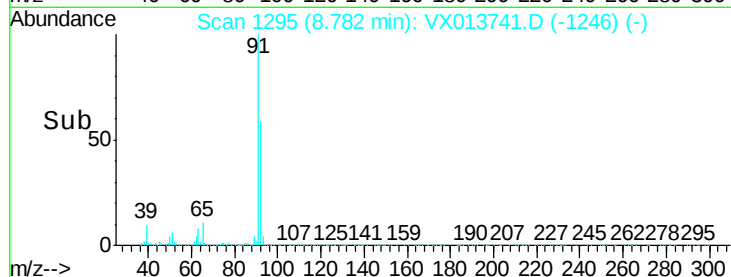
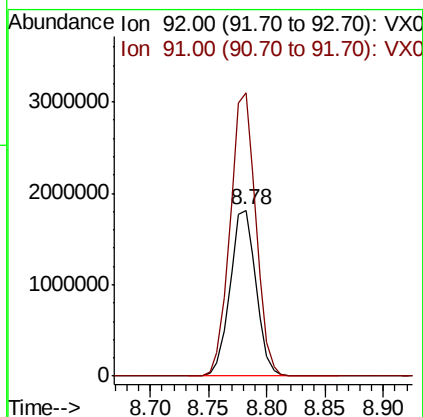
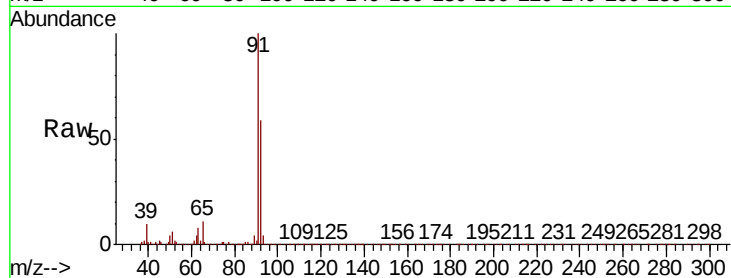
30736

Tot Ion: 92 Resp: 2806134

Ion Ratio Lower Upper

92 100

91 169.8 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 47.945 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

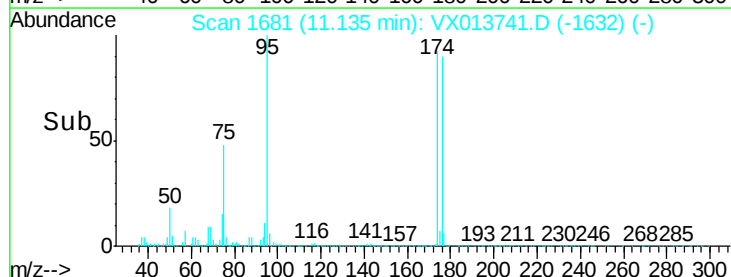
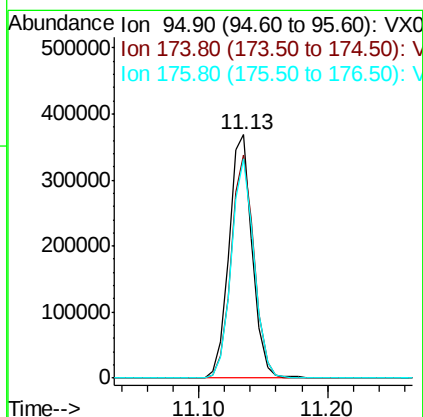
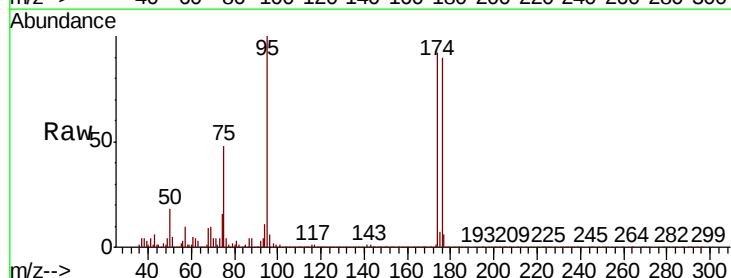
Tgt Ion: 95 Resp: 466367

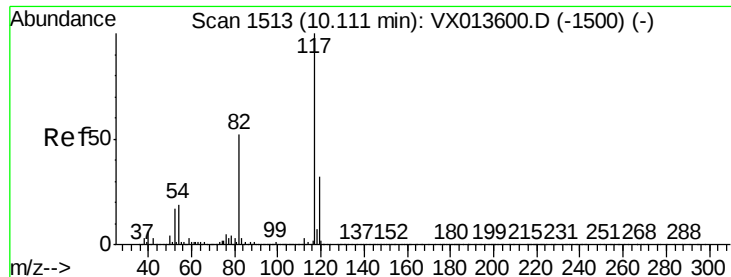
Ion Ratio Lower Upper

95 100

174 90.2 0.0 180.0

176 88.3 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: VX013741.D

Acq: 03 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

30736

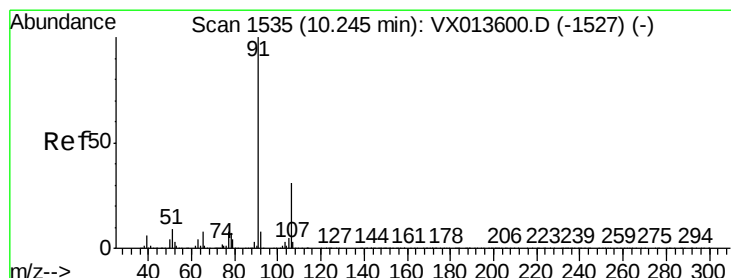
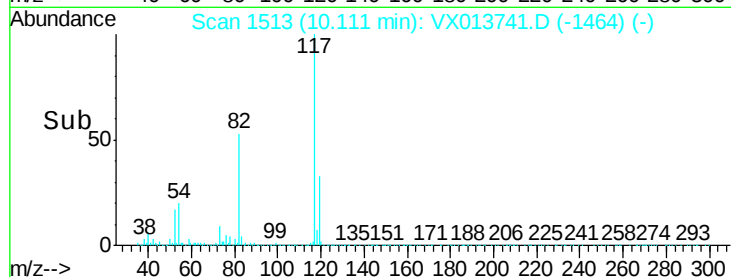
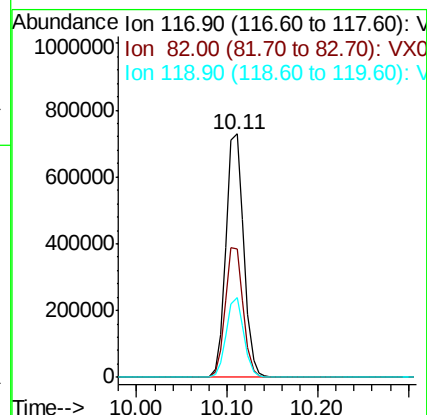
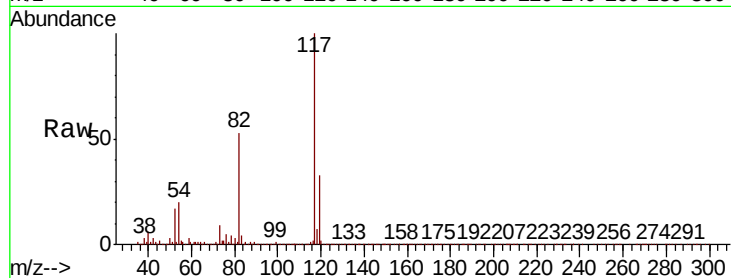
Tot Ion:117 Resp: 996221

Ion Ratio Lower Upper

117 100

82 52.9 41.8 62.8

119 32.6 25.8 38.8



#67

Ethyl Benzene

Concen: 11.148 ug/l

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013741.D

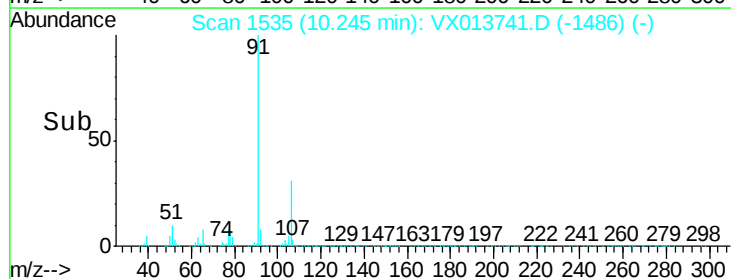
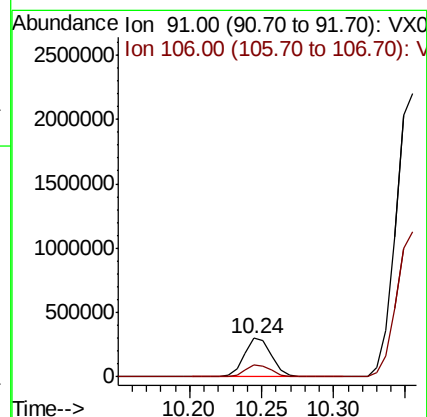
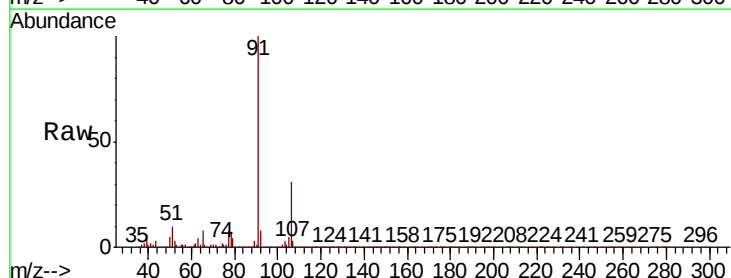
Acq: 03 Dec 2019 21:37

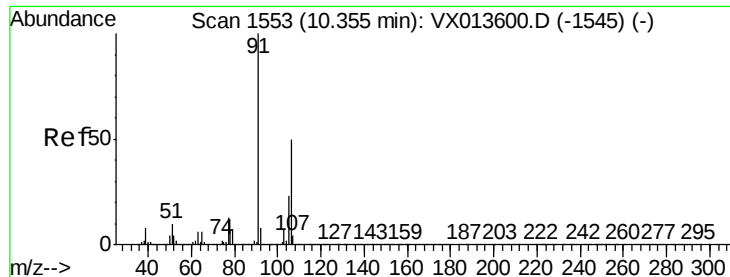
Tgt Ion: 91 Resp: 396242

Ion Ratio Lower Upper

91 100

106 30.8 24.5 36.7





#68

m/p-Xylenes

Concen: 108.132 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

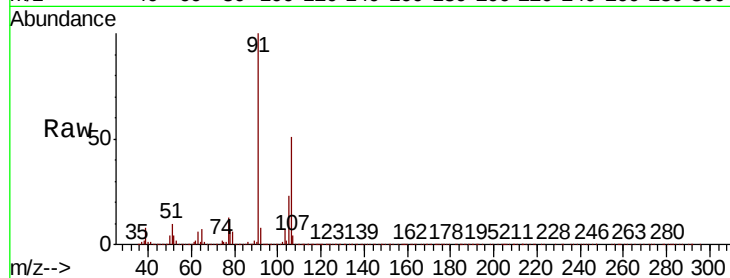
30736

Tot Ion:106 Resp: 1471414

Ion Ratio Lower Upper

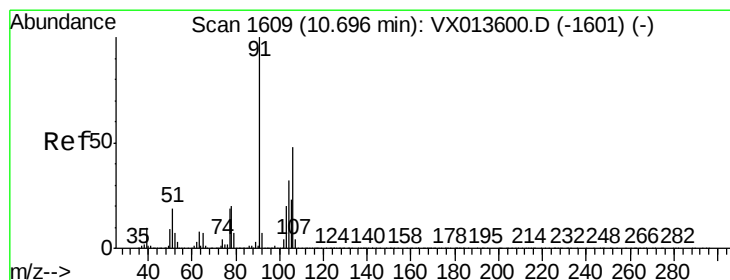
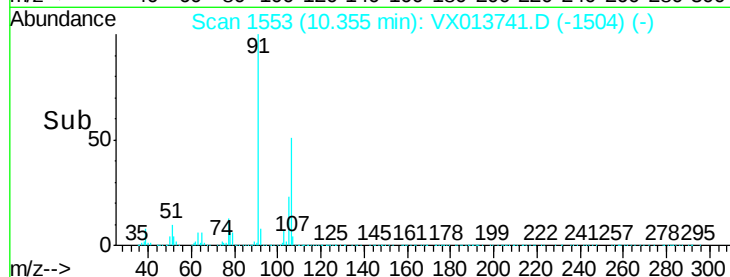
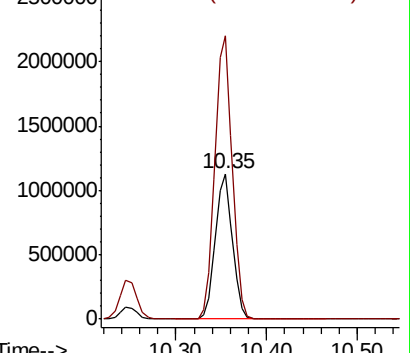
106 100

91 197.8 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 33.462 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013741.D

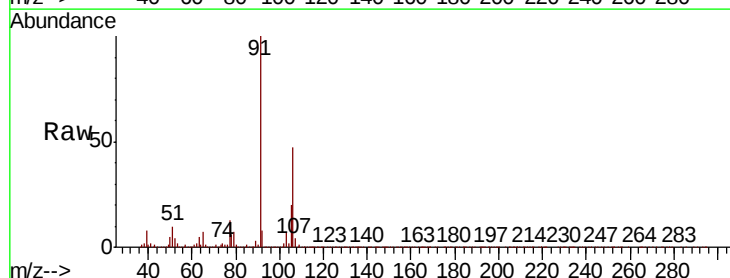
Acq: 03 Dec 2019 21:37

Tgt Ion:106 Resp: 444091

Ion Ratio Lower Upper

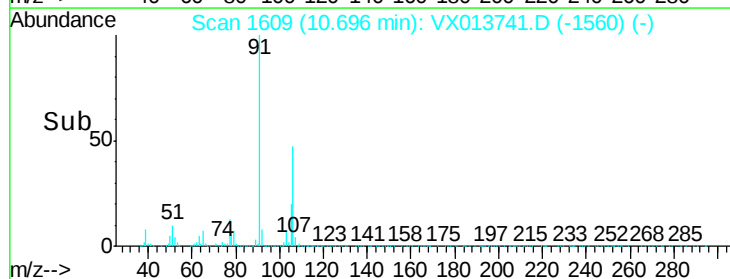
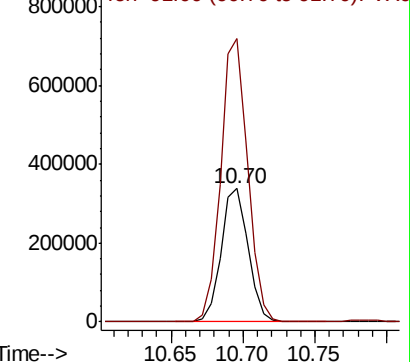
106 100

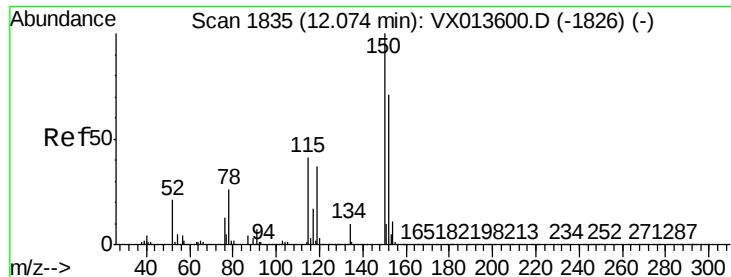
91 211.2 104.1 312.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



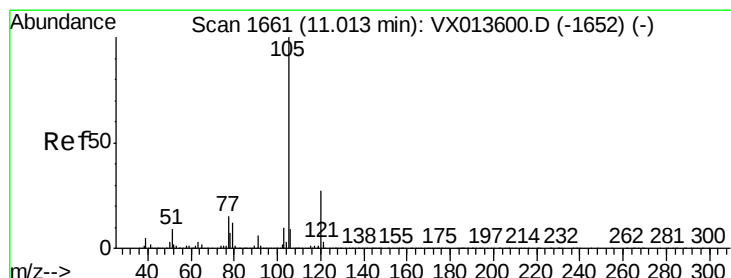
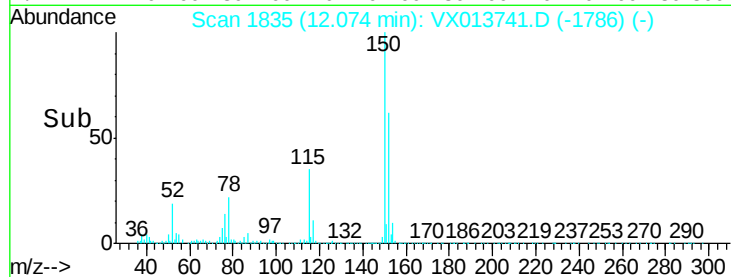
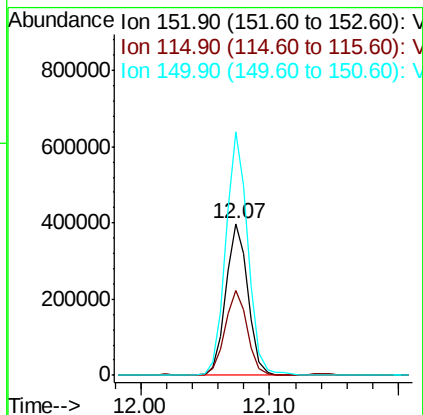
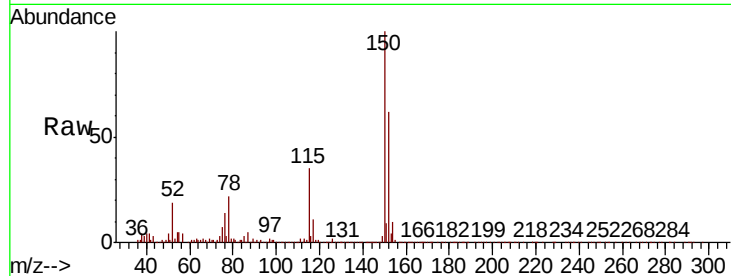


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013741.D
Acq: 03 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampled :
30736

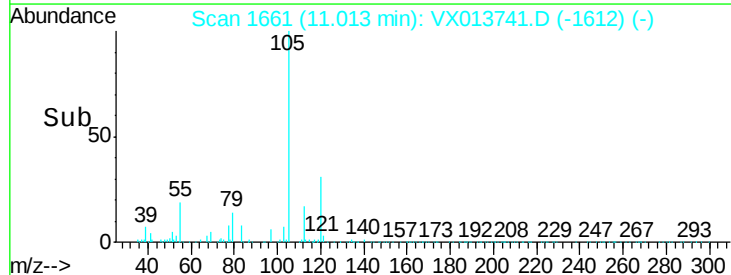
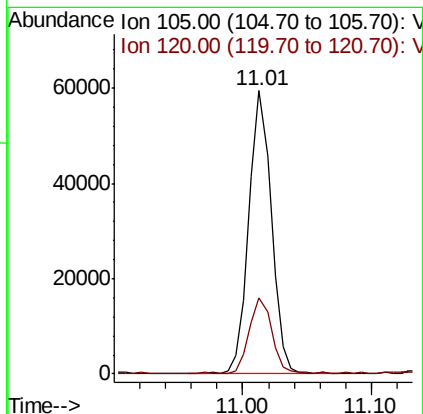
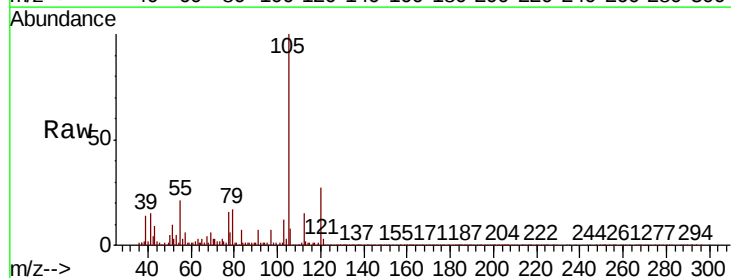
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.9	38.4	115.1
150	160.4	0.0	346.8

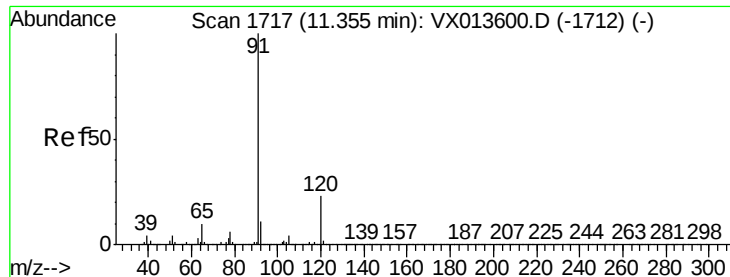


#73

Isopropylbenzene
Concen: 2.111 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013741.D
Acq: 03 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.5





#78

n-propylbenzene

Concen: 1.449 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013741.D

Acq: 03 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

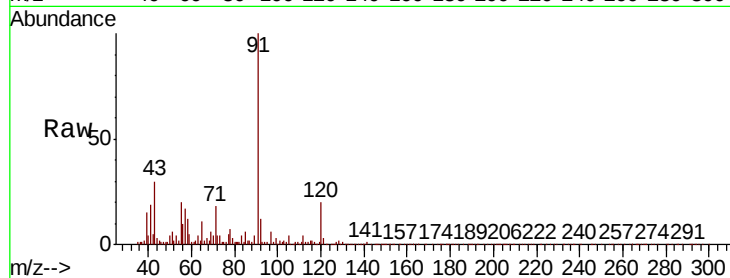
30736

Tot Ion: 91 Resp: 54594

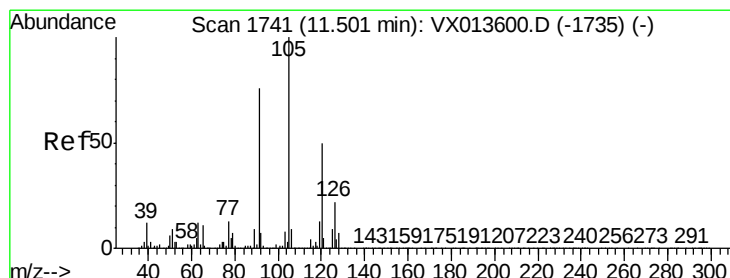
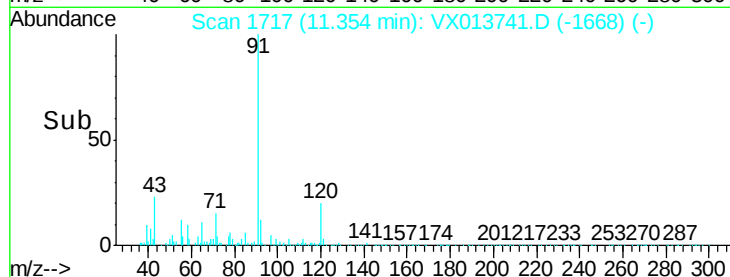
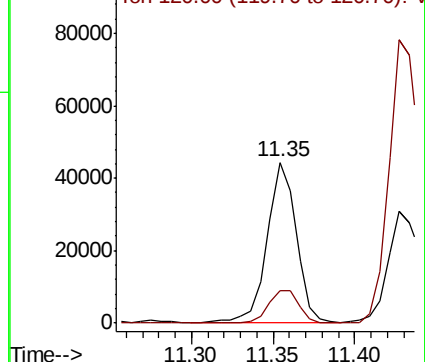
Ion Ratio Lower Upper

91 100

120 20.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX013741.D (-1668) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.786 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013741.D

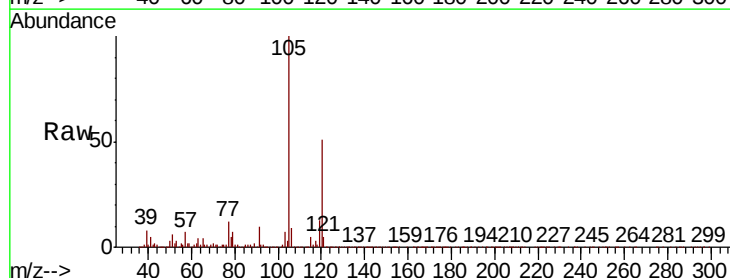
Acq: 03 Dec 2019 21:37

Tgt Ion: 105 Resp: 298404

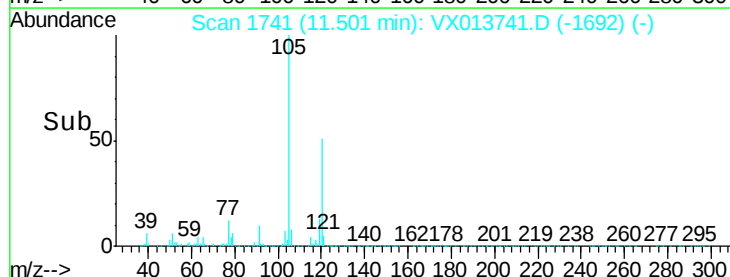
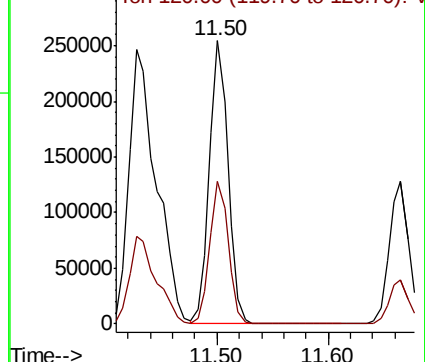
Ion Ratio Lower Upper

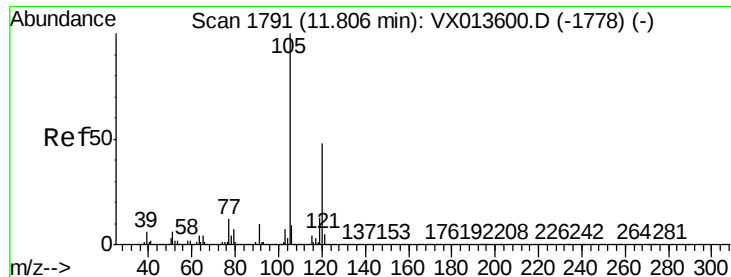
105 100

120 50.0 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX013741.D (-1692) (-)

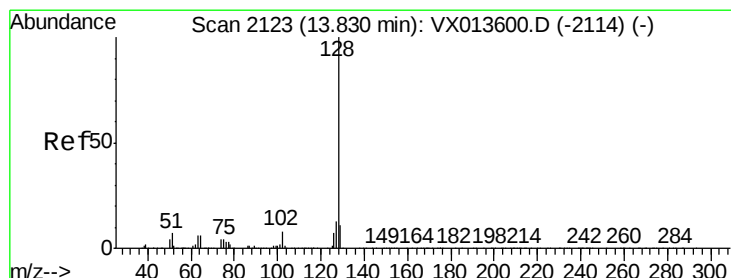
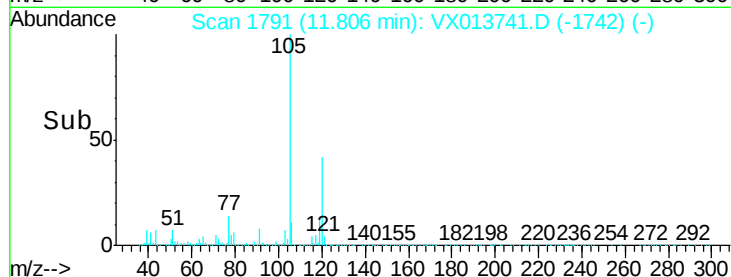
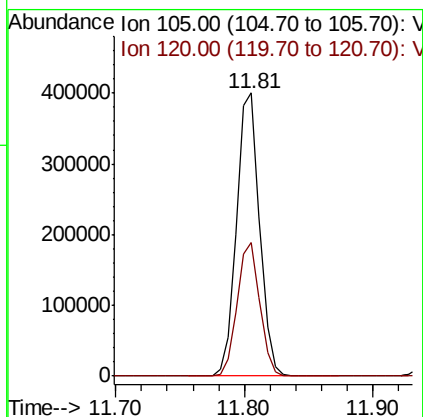
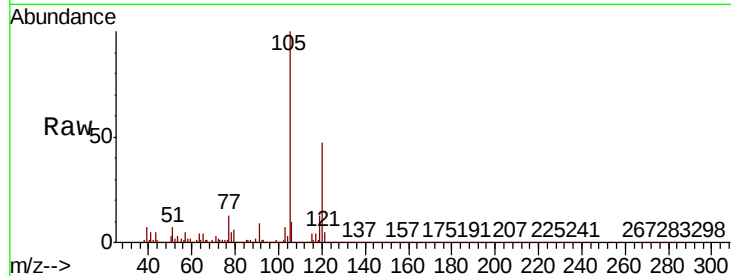




#84
 1,2,4-Trimethylbenzene
 Concen: 17.717 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013741.D
 Acq: 03 Dec 2019 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 30736

Tot Ion:105 Resp: 497482
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.3



#95
 Naphthalene
 Concen: 1.672 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX013741.D
 Acq: 03 Dec 2019 21:37

Tgt Ion:128 Resp: 54506
 Ion Ratio Lower Upper
 128 100
 127 15.5 10.3 15.5
 129 15.0 8.7 13.1#

