

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120319\
 Data File : VX013737.D
 Acq On : 03 Dec 2019 20:04
 Operator : JC/SP
 Sample : K6084-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30737

Manual Integrations
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 12/4/2019 1:52:39 PM

Quant Time: Dec 04 13:09:08 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	764585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1180834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1053898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	564712	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	426059	48.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	5.50	113	305006	41.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.56%	
50) Toluene-d8	8.72	98	1429119	50.25	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.14	95	525509	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.04	59	4946424	2257.958	ug/l #	85
16) Acetone	2.44	43	15853382	3618.047	ug/l #	87
17) Carbon Disulfide	2.56	76	32884	1.585	ug/l	98
18) Methyl Acetate	2.76	43	4270450	349.994	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	1431724	59.396	ug/l #	33
25) 2-Butanone	4.66	43	2718840	417.505	ug/l	99
29) Tetrahydrofuran	5.12	42	131512	32.759	ug/l	95
31) Cyclohexane	5.58	56	1309135	99.857	ug/l	95
37) Ethyl Acetate	4.83	43	147164	12.238	ug/l	98
39) Methylcyclohexane	7.46	83	1969320	148.631	ug/l	99
40) Benzene	6.12	78	40030011m	1226.163	ug/l	
43) Isopropyl Acetate	6.43	43	2911035	147.043	ug/l #	85
49) 1,4-Dioxane	7.74	88	121898	566.154	ug/l #	40
52) Toluene	8.78	92	37349520m	1841.572	ug/l	
67) Ethyl Benzene	10.25	91	12461140	331.412	ug/l #	80
68) m/p-Xylenes	10.35	106	19315110	1341.752	ug/l #	1
69) o-Xylene	10.70	106	10186418	725.537	ug/l	62
73) Isopropylbenzene	11.01	105	1924024	48.571	ug/l	99
78) n-propylbenzene	11.36	91	2022164	45.730	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	8392530	258.503	ug/l	97
83) tert-Butylbenzene	11.77	119	66802m	2.025	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	13059770	396.354	ug/l	78
85) sec-Butylbenzene	11.95	105	744838	19.764	ug/l	100
86) p-Isopropyltoluene	12.07	119	780068m	22.249	ug/l	
95) Naphthalene	13.83	128	392020	10.248	ug/l #	93

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

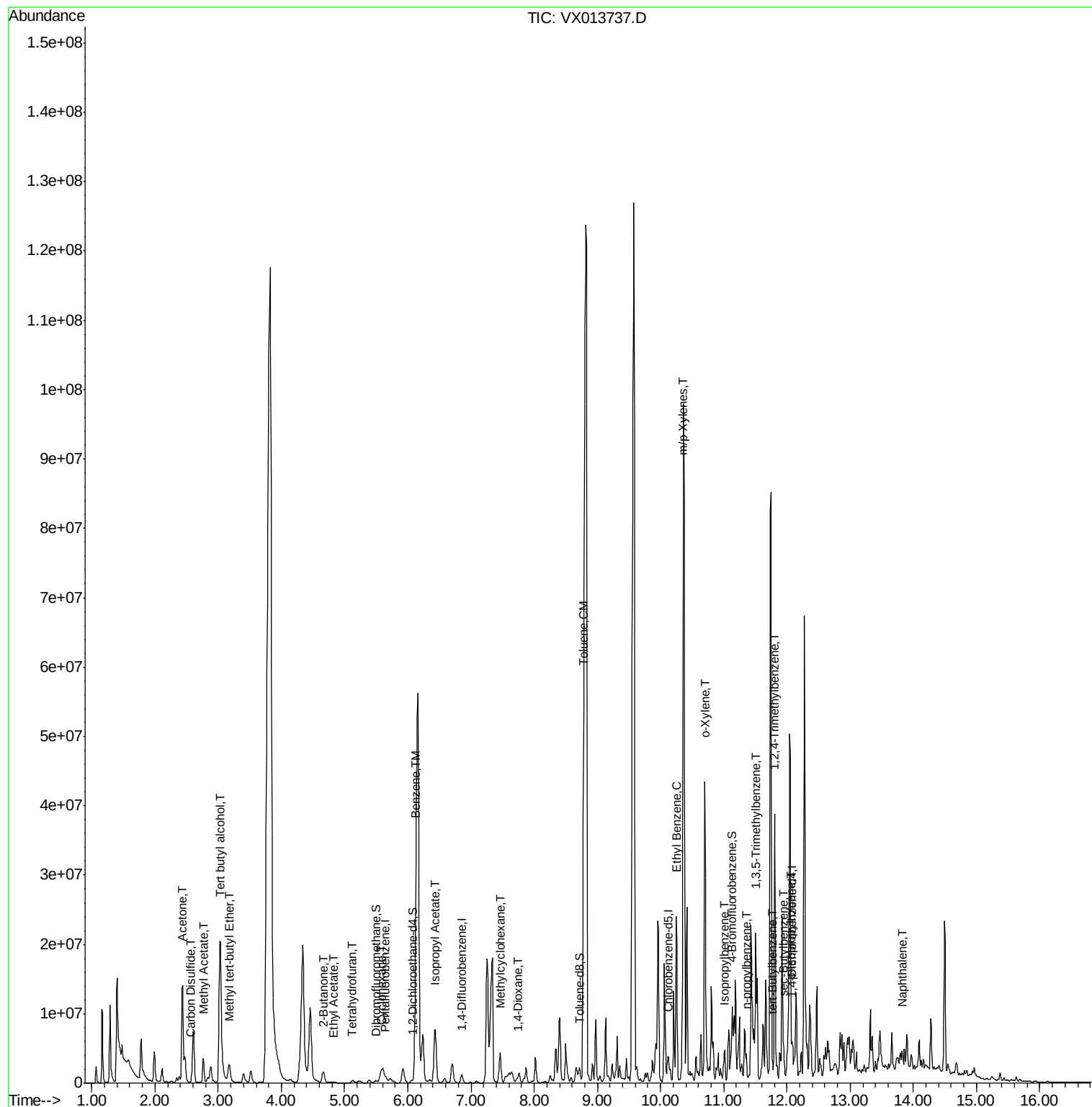
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120319\
Data File : VX013737.D
Acq On : 03 Dec 2019 20:04
Operator : JC/SP
Sample : K6084-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

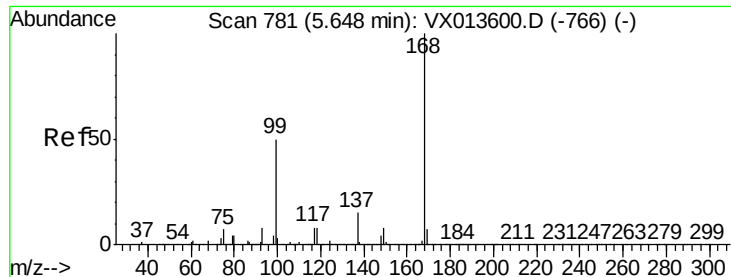
Instrument :
MSVOA_X
ClientSampleId :
30737

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Quant Time: Dec 04 13:09:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

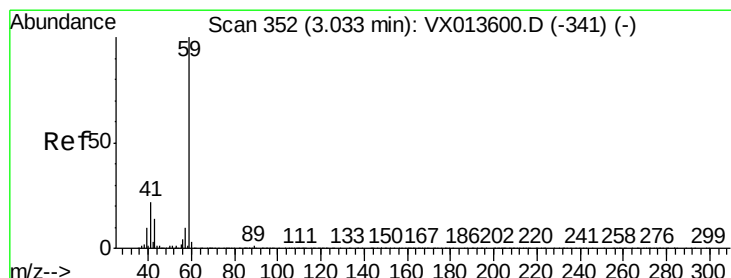
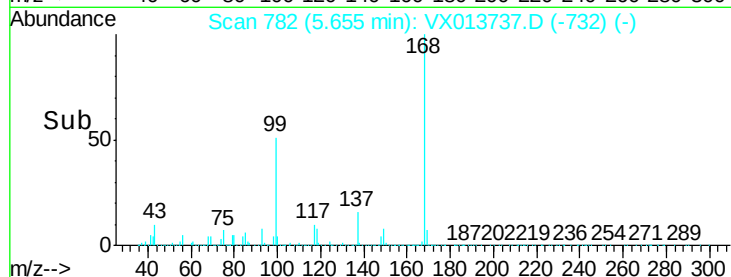
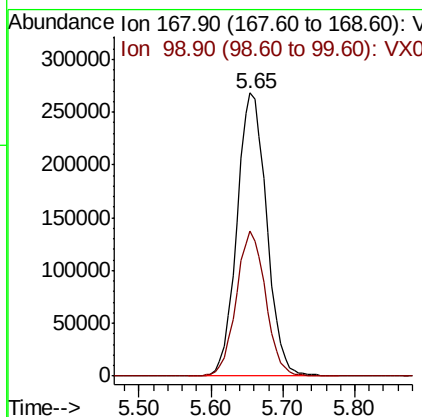
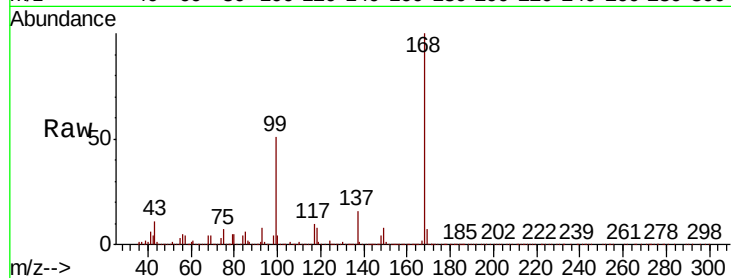
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
30737

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.3	39.8	59.8

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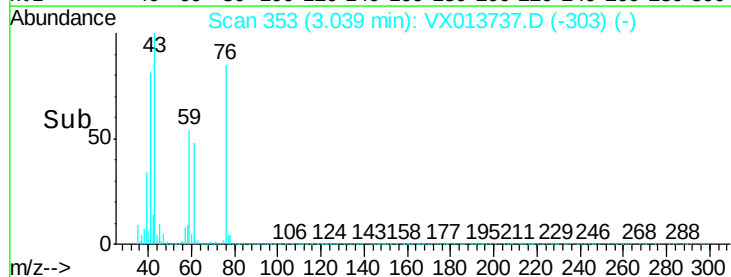
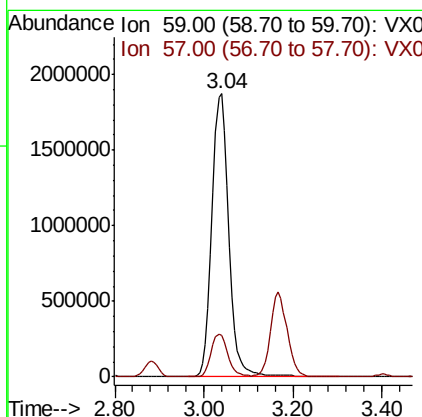
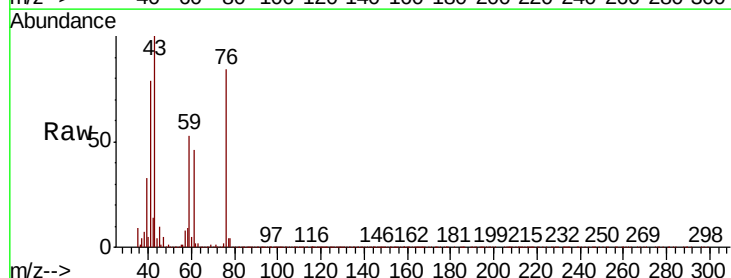
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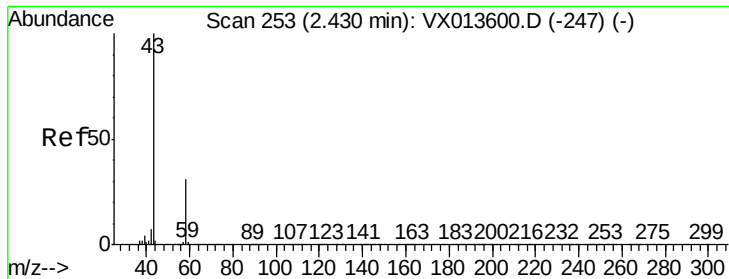


#11

Tert butyl alcohol
Concen: 2257.958 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion	Ratio	Lower	Upper
59	100		
57	15.1	7.8	11.6





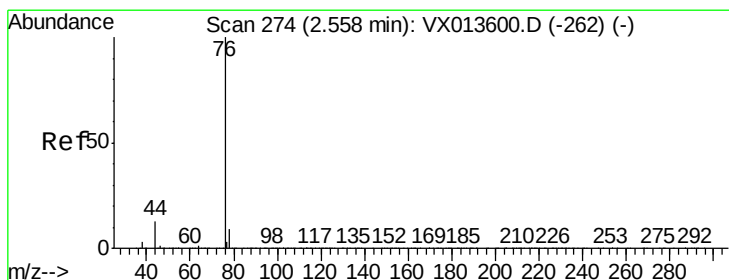
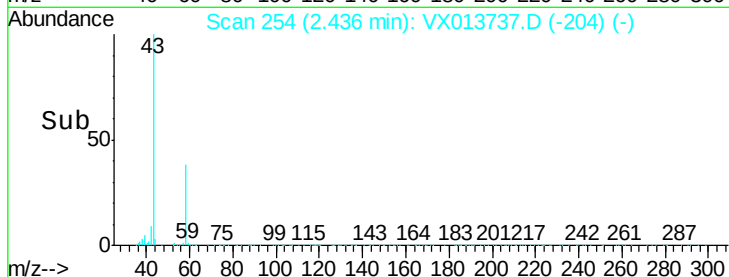
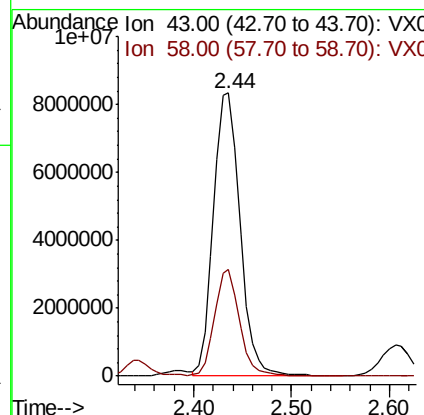
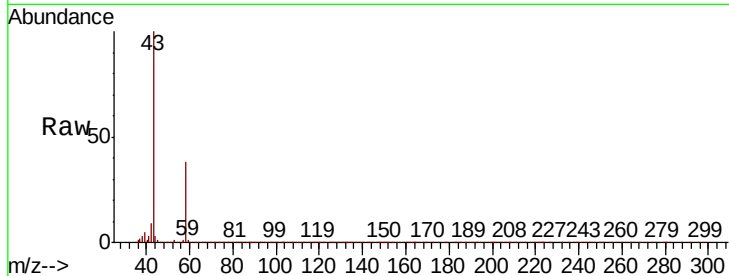
#16
Acetone
Concen: 3618.047 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
30737

Tot Ion: 43 Resp:15853382
Ion Ratio Lower Upper
43 100
58 37.6 24.6 36.8#

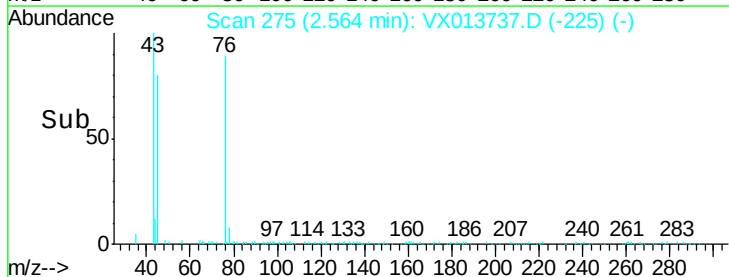
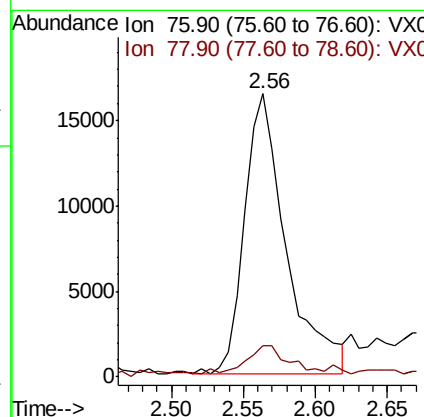
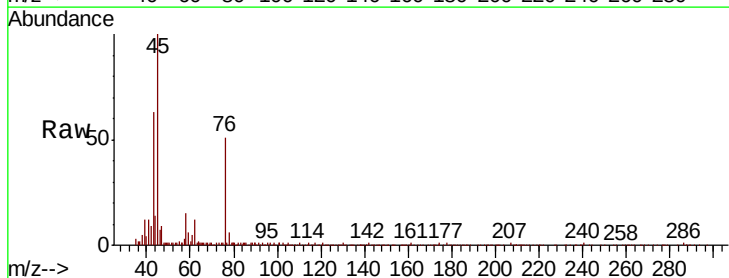
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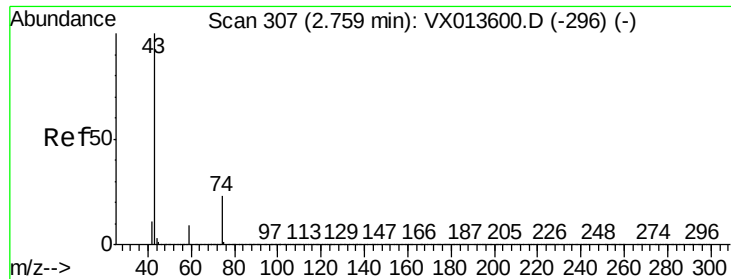
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#17
Carbon Disulfide
Concen: 1.585 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 76 Resp: 32884
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8





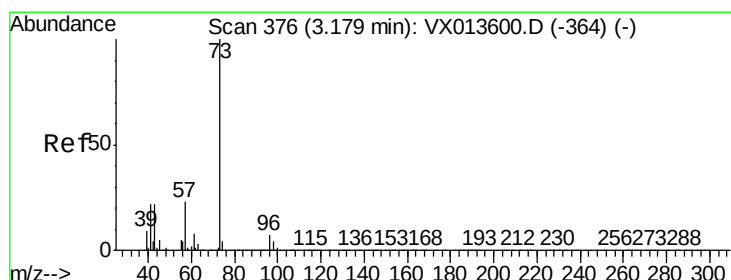
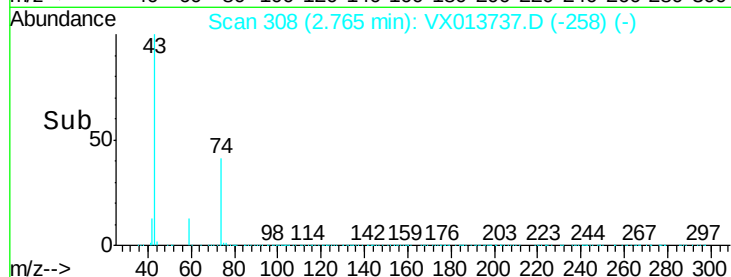
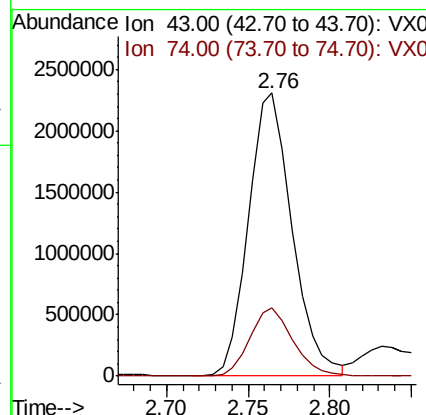
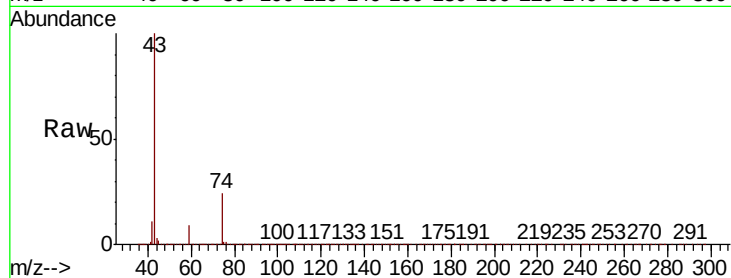
#18
Methyl Acetate
Concen: 349.994 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampled :
30737

Tot Ion: 43 Resp: 4270450
Ion Ratio Lower Upper
43 100
74 24.2 19.5 29.3

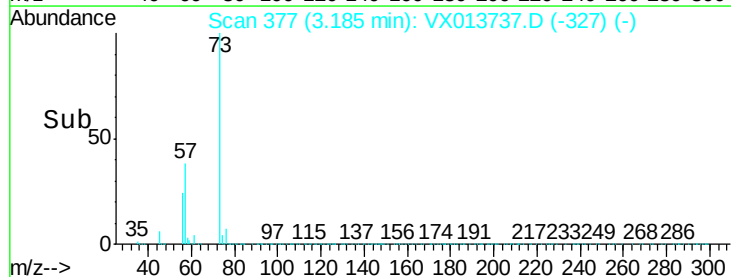
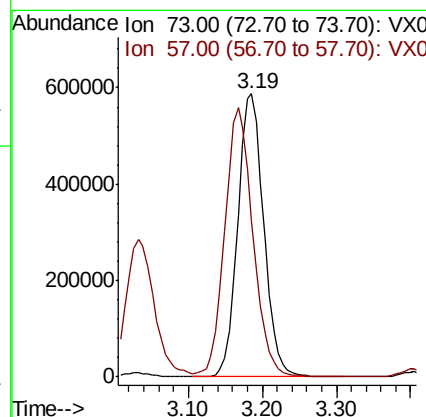
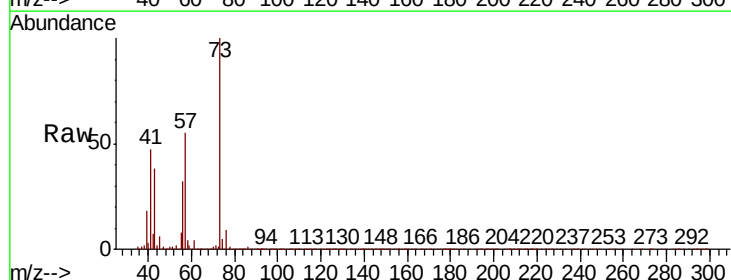
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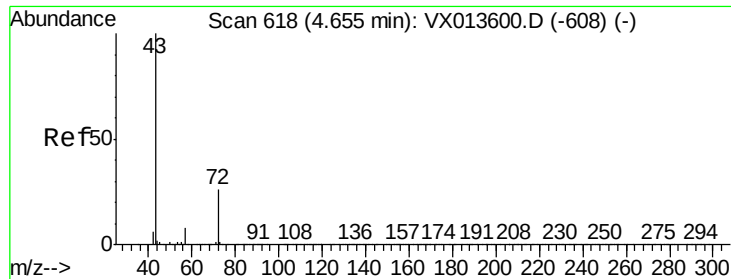
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#19
Methyl tert-butyl Ether
Concen: 59.396 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 73 Resp: 1431724
Ion Ratio Lower Upper
73 100
57 55.3 18.3 27.5#





#25

2-Butanone

Concen: 417.505 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

30737

Tot Ion: 43 Resp: 2718840

Ion Ratio Lower Upper

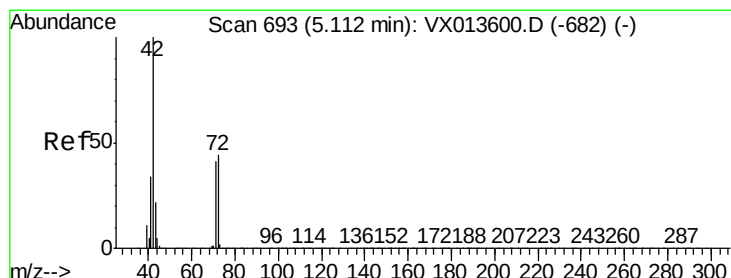
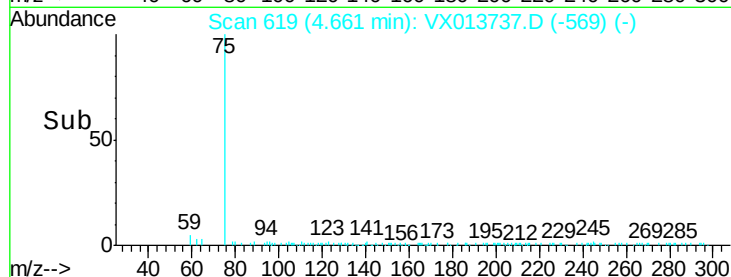
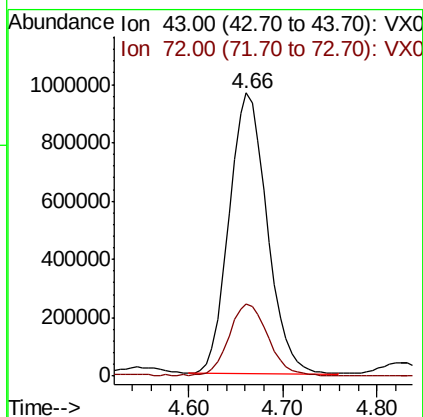
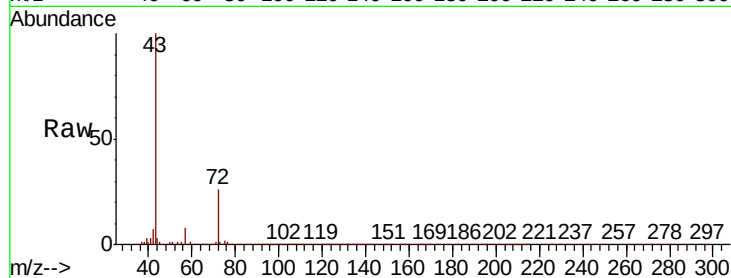
43 100

72 25.5 20.6 31.0

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#29

Tetrahydrofuran

Concen: 32.759 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

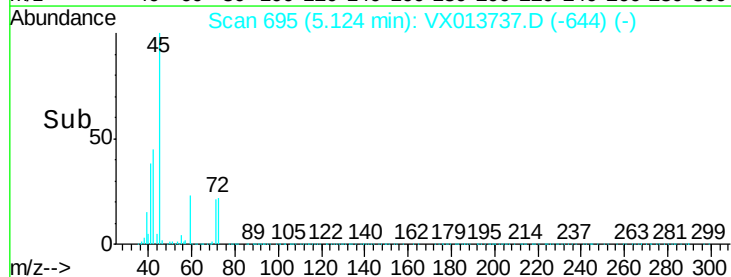
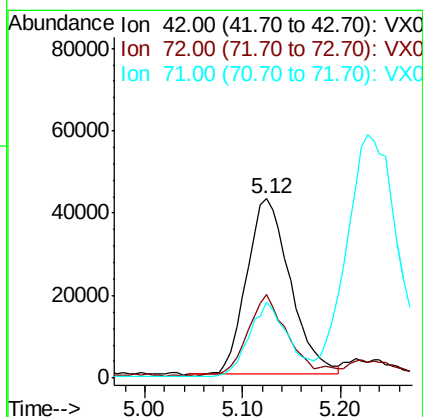
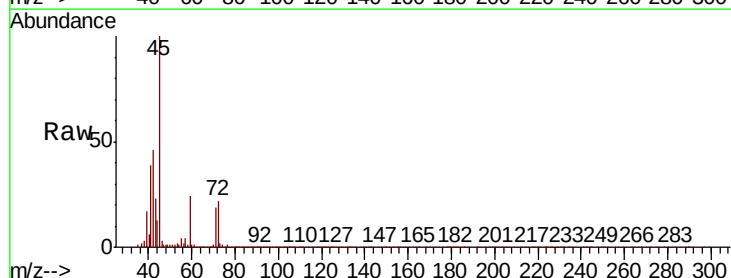
Tgt Ion: 42 Resp: 131512

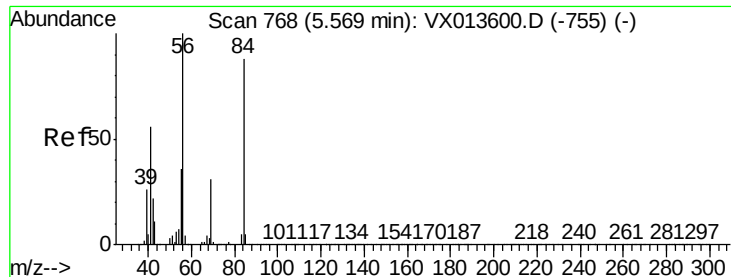
Ion Ratio Lower Upper

42 100

72 42.0 36.3 54.5

71 39.0 33.2 49.8





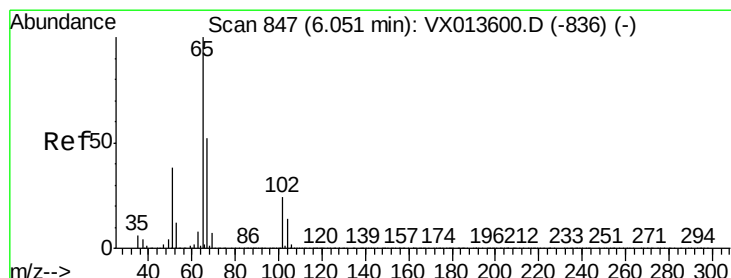
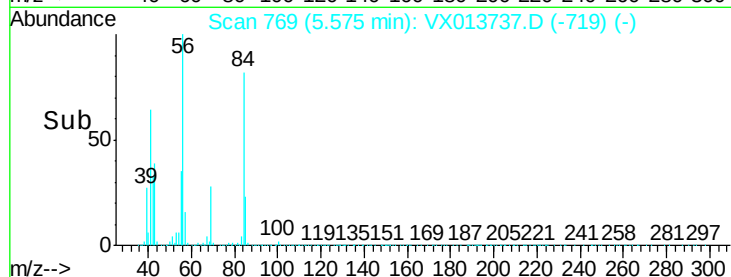
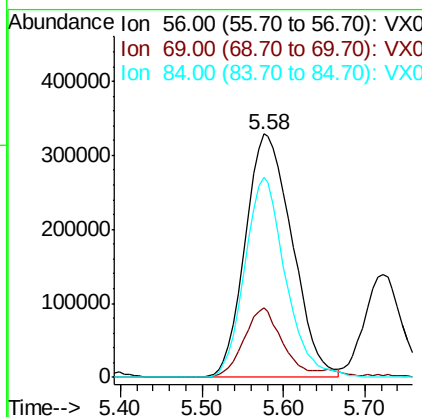
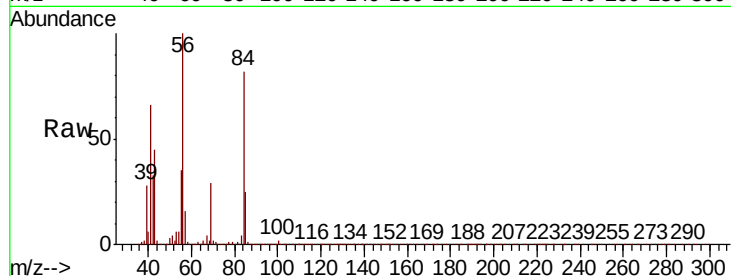
#31
Cyclohexane
Concen: 99.857 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
30737

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.6	36.8
84	82.1	70.0	105.0

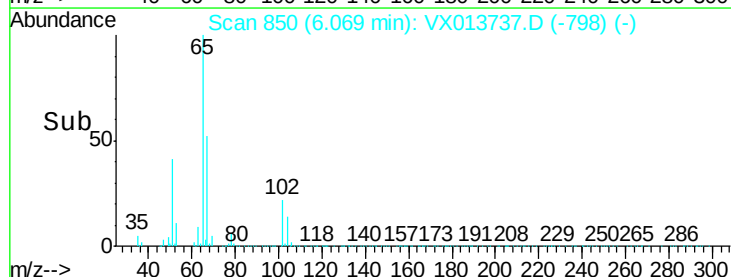
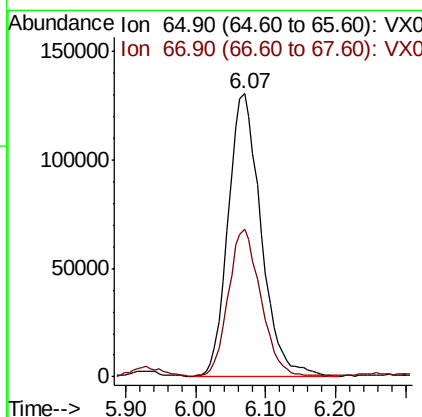
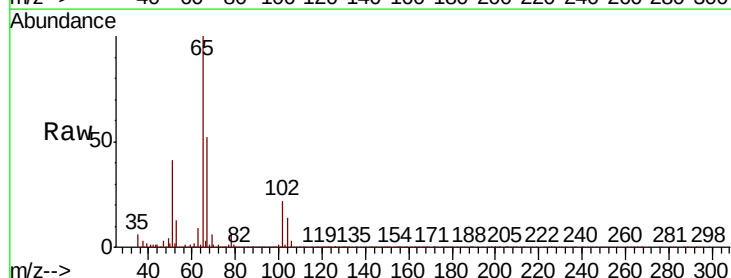
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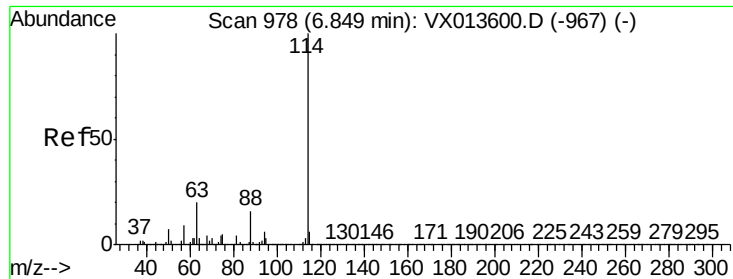
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#33
1,2-Dichloroethane-d4
Concen: 48.006 ug/l
RT: 6.07 min Scan# 850
Delta R.T. 0.02 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

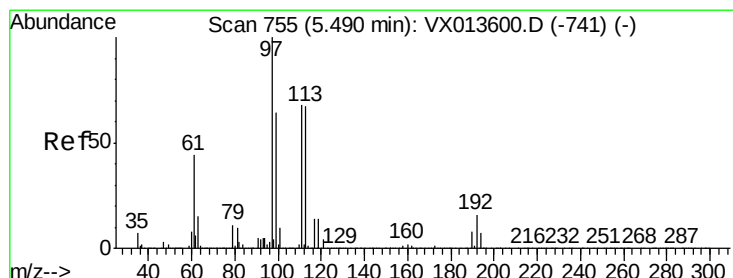
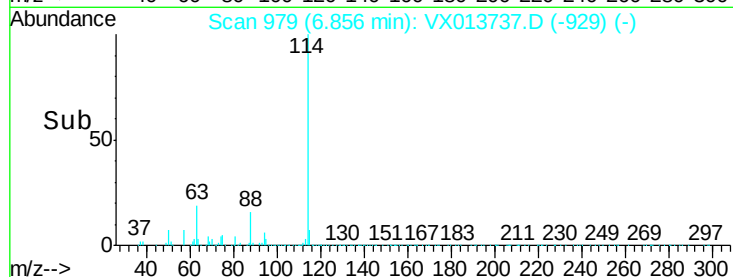
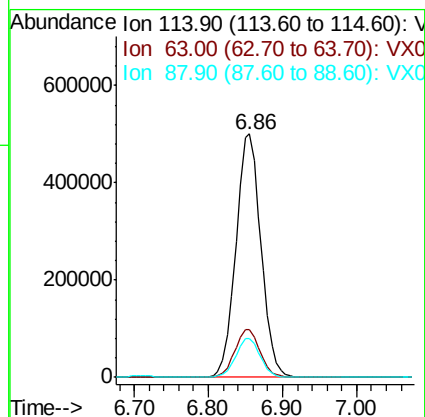
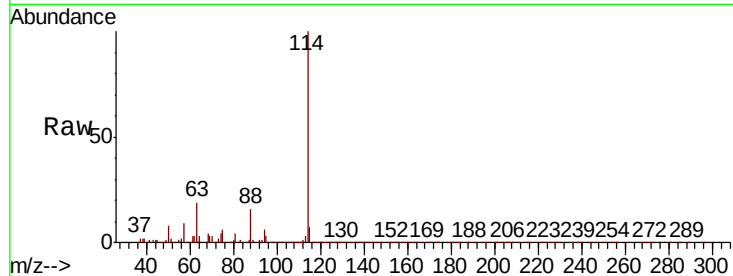
ClientSampleId :

30737

Tot Ion:	114	Resp:	1180834
Ion Ratio	Lower	Upper	
114	100		
63	19.4	0.0	39.6
88	15.8	0.0	31.4

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#35

Dibromofluoromethane

Concen: 41.781 ug/l

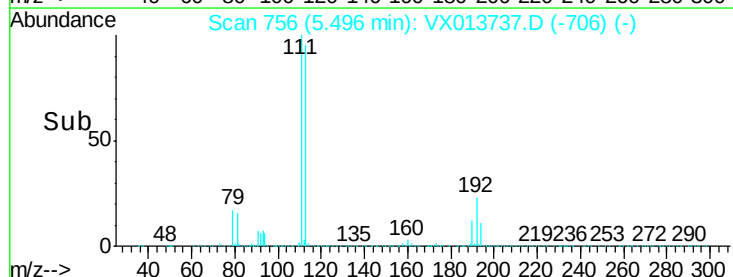
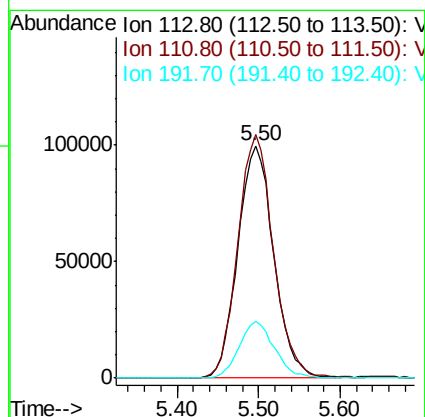
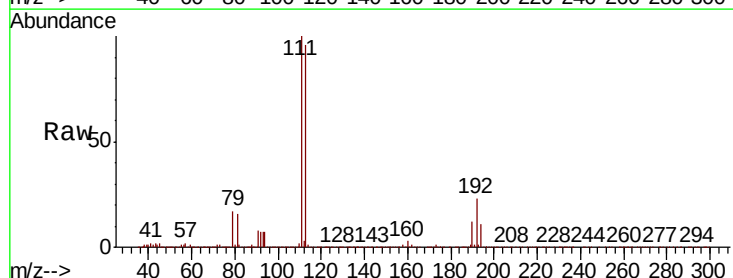
RT: 5.50 min Scan# 756

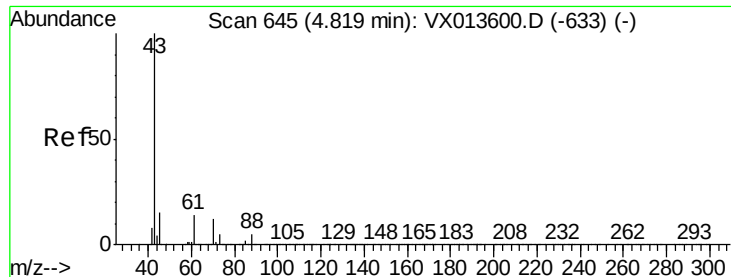
Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Tgt Ion:	113	Resp:	305006
Ion Ratio	Lower	Upper	
113	100		
111	103.3	83.6	125.4
192	24.2	19.2	28.8





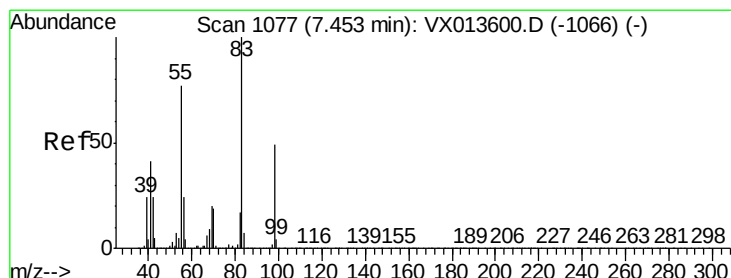
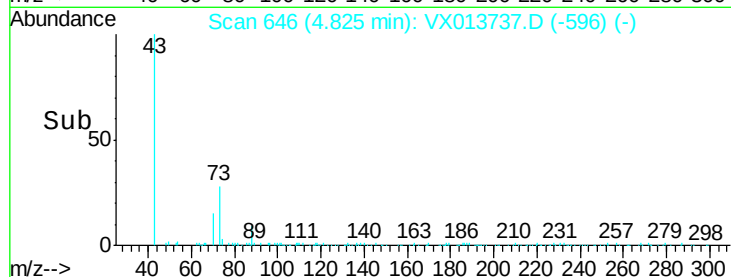
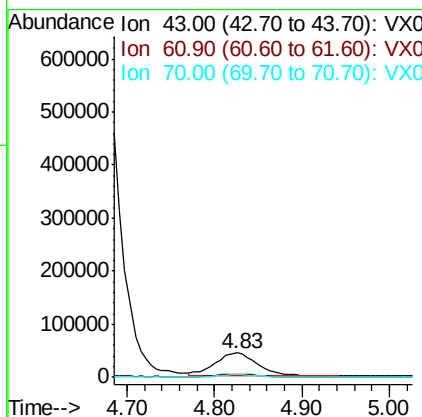
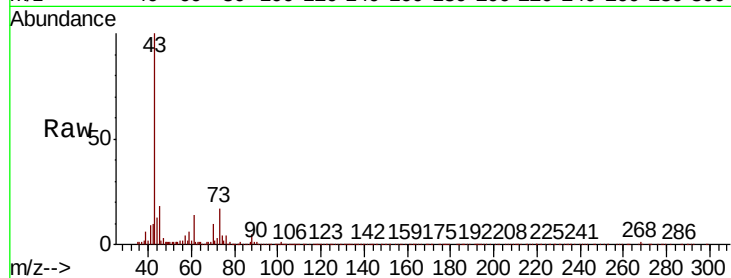
#37
Ethyl Acetate
Concen: 12.238 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
30737

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.0	16.4
70	9.8	8.6	12.8

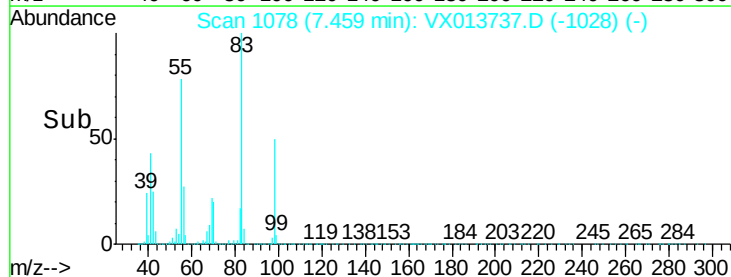
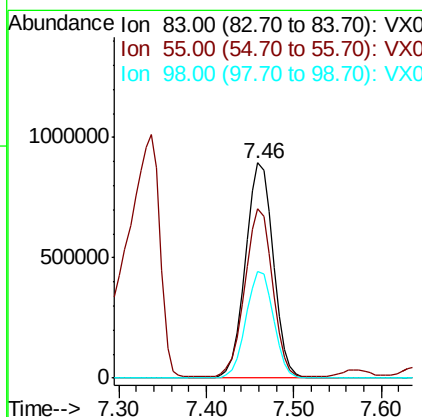
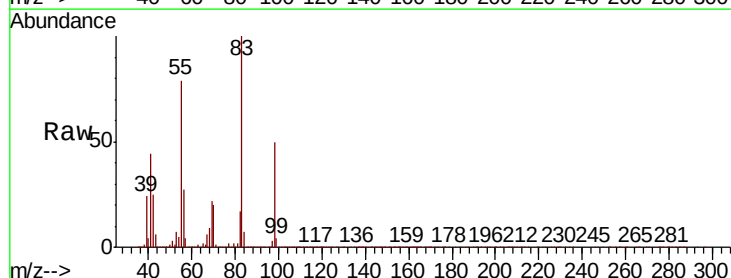
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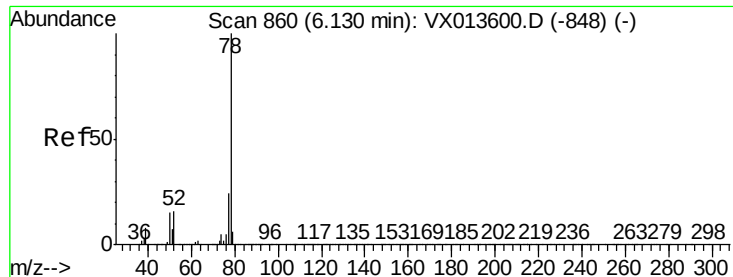
apatel
12/4/2019 1:52:39 PM



#39
Methylcyclohexane
Concen: 148.631 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.9	92.9
98	49.7	39.4	59.0





#40

Benzene

Concen: 1226.163 ug/l m

RT: 6.12 min Scan# 859

Delta R.T. -0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

30737

Tot Ion: 78 Resp: 40030011

Ion Ratio Lower Upper

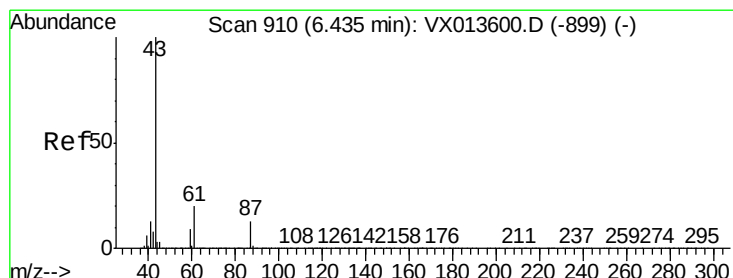
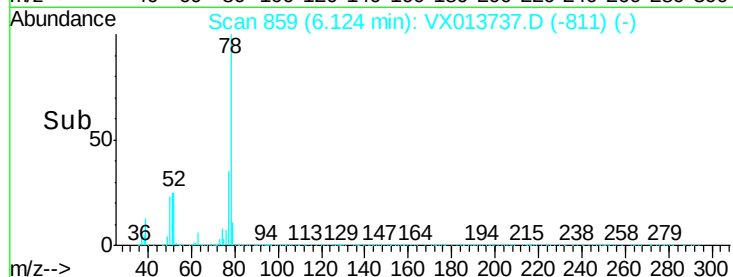
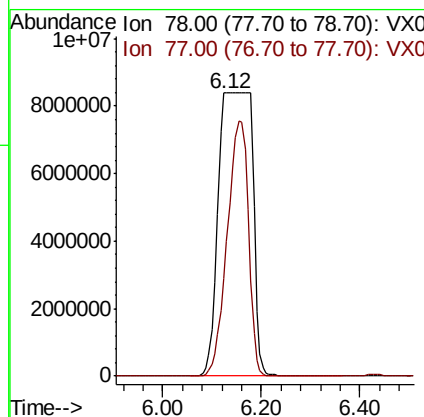
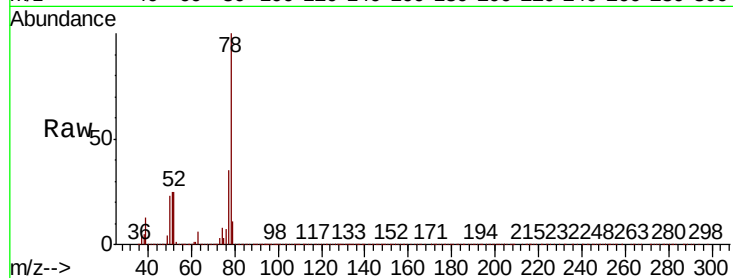
78 100

77 34.7 19.0 28.4#

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#43

Isopropyl Acetate

Concen: 147.043 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

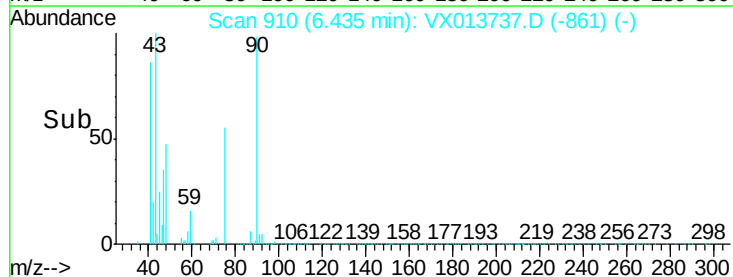
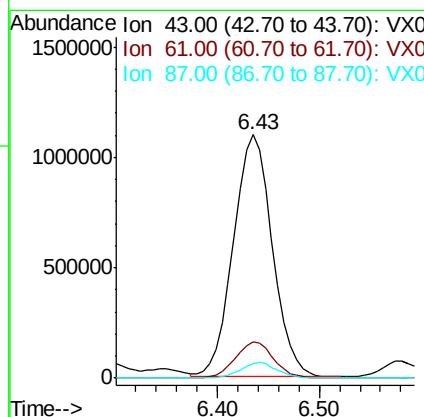
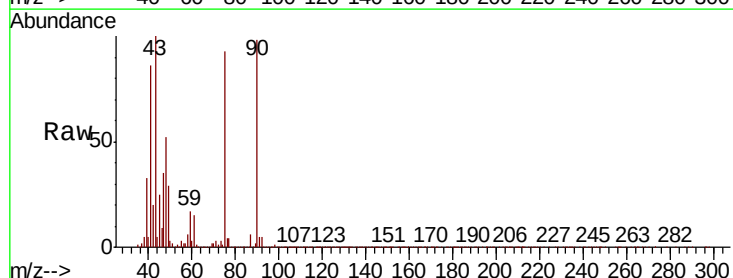
Tgt Ion: 43 Resp: 2911035

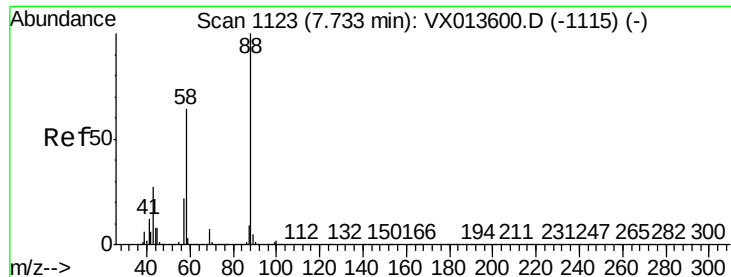
Ion Ratio Lower Upper

43 100

61 14.5 16.3 24.5#

87 6.0 10.8 16.2#





#49

1,4-Dioxane

Concen: 566.154 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

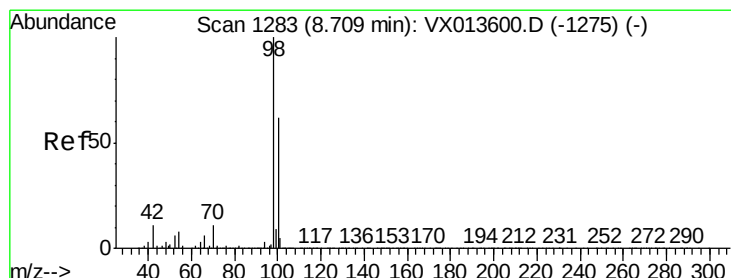
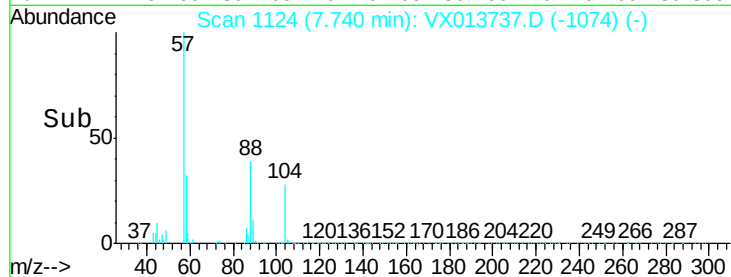
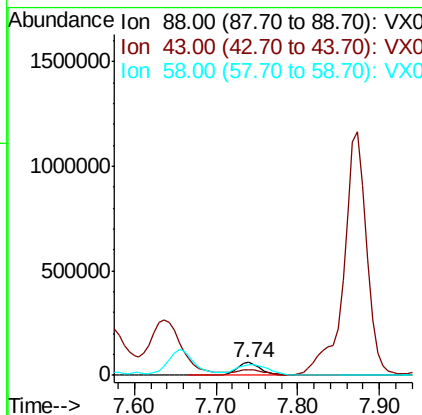
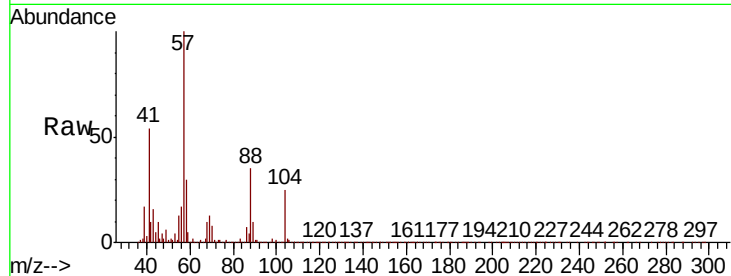
ClientSampleId :

30737

Tot Ion:	88	Resp:	121898
Ion Ratio		Lower	Upper
88	100		
43	0.0	25.8	38.6#
58	117.3	54.6	82.0#

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#50

Toluene-d8

Concen: 50.247 ug/l

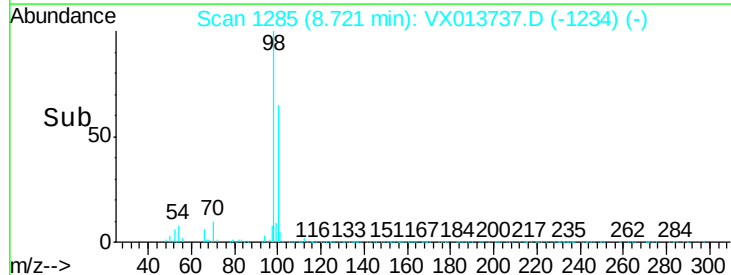
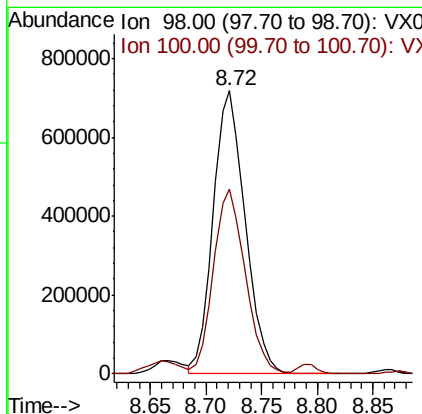
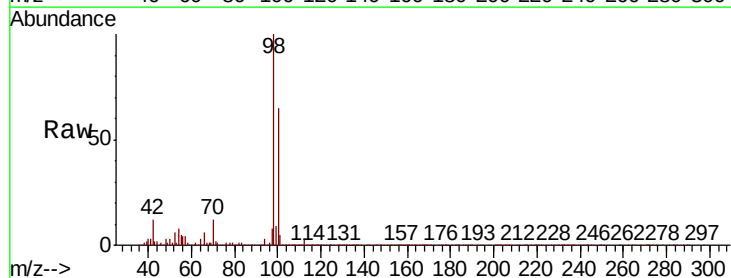
RT: 8.72 min Scan# 1285

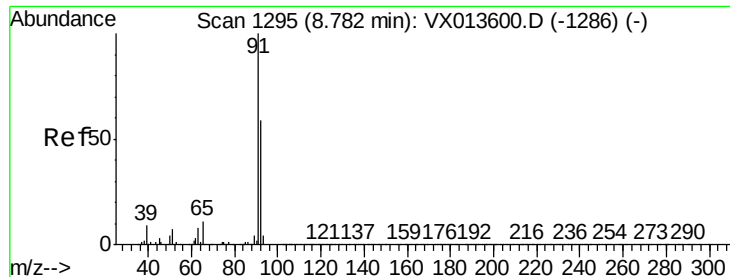
Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Tgt Ion:	98	Resp:	1429119
Ion Ratio		Lower	Upper
98	100		
100	64.6	53.1	79.7





#52

Toluene

Concen: 1841.572 ug/l m

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

30737

Tot Ion: 92 Resp: 37349520

Ion Ratio Lower Upper

92 100

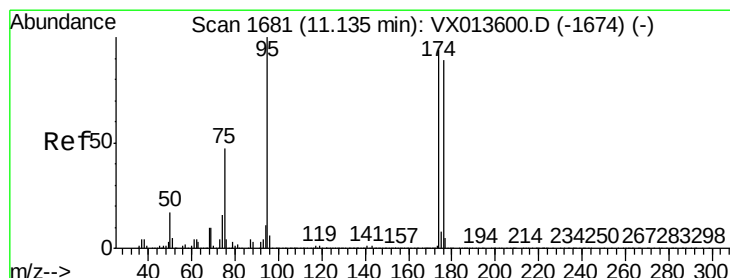
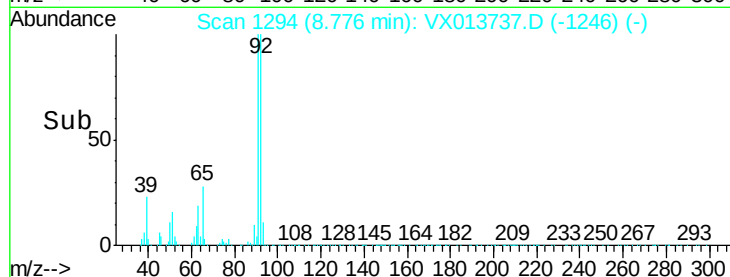
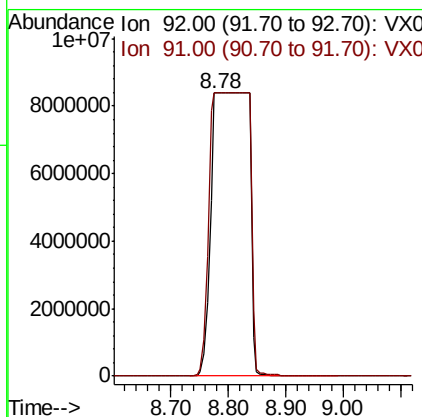
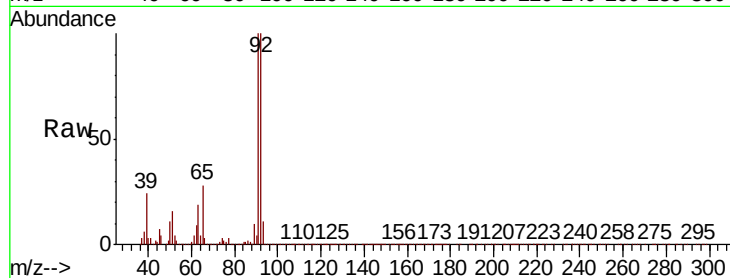
91 0.0 136.2 204.2#

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.238 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

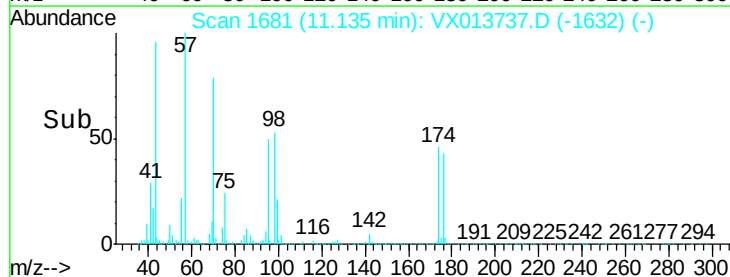
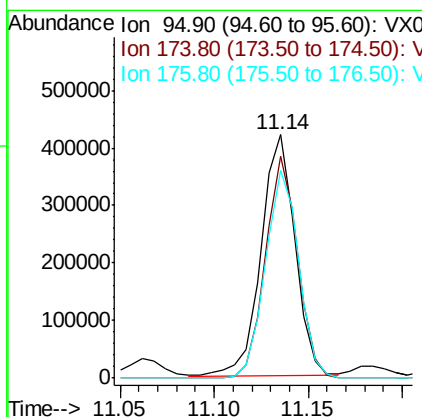
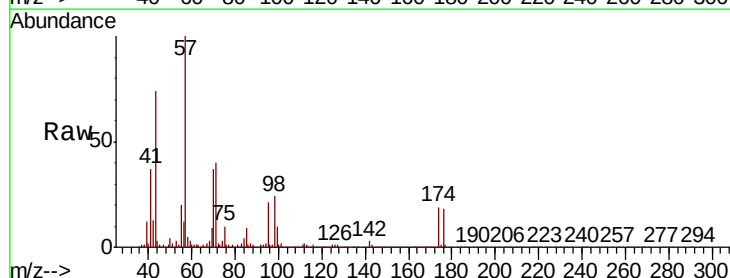
Tgt Ion: 95 Resp: 525509

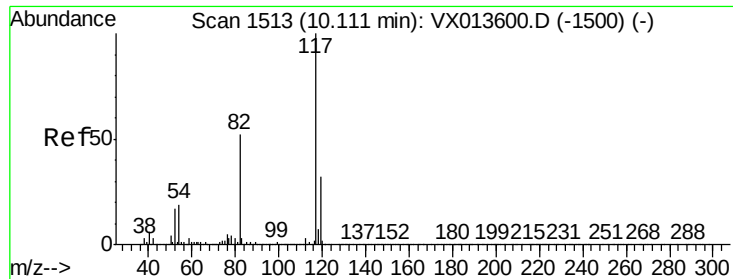
Ion Ratio Lower Upper

95 100

174 87.0 0.0 180.0

176 84.1 0.0 173.6





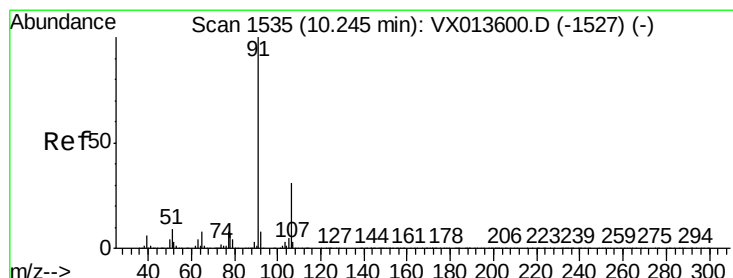
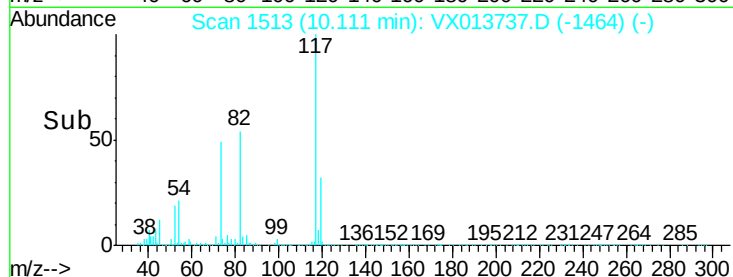
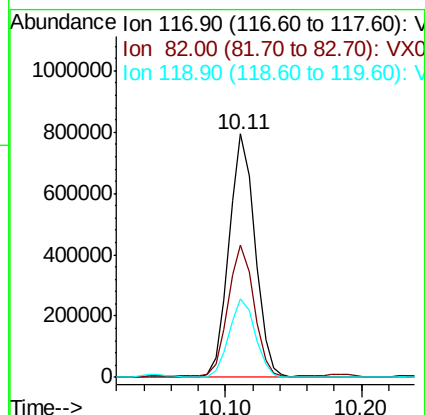
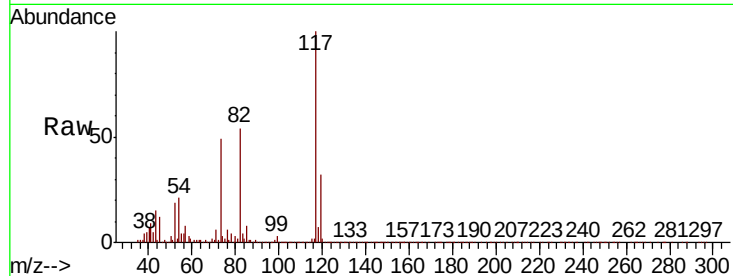
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampled :
30737

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	41.8	62.8
119	32.2	25.8	38.8

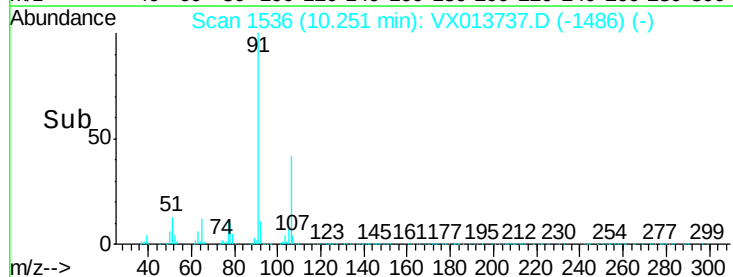
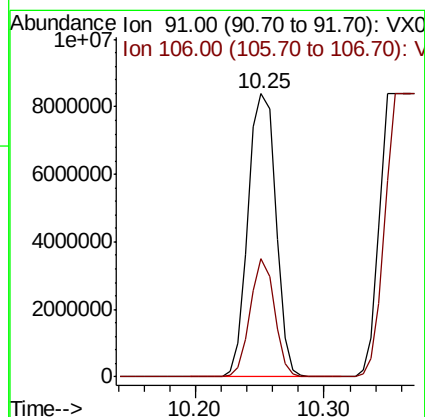
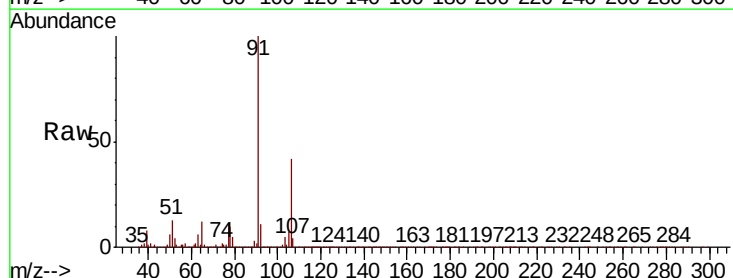
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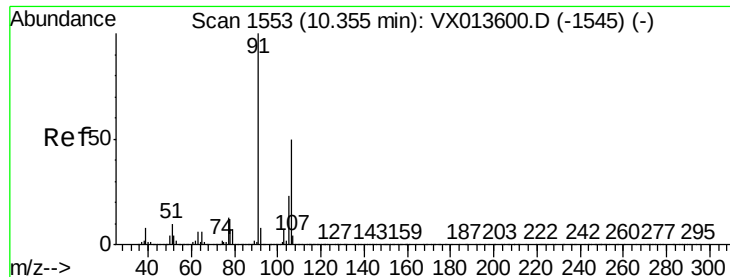
apatel
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#67
Ethyl Benzene
Concen: 331.412 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	41.7	24.5	36.7





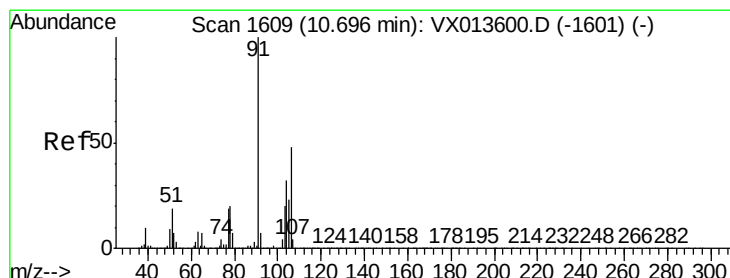
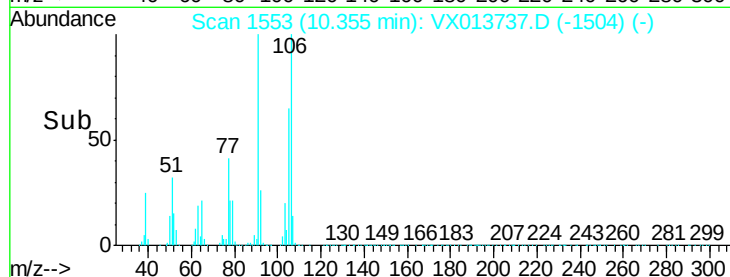
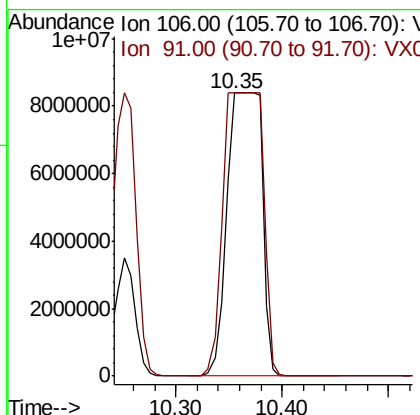
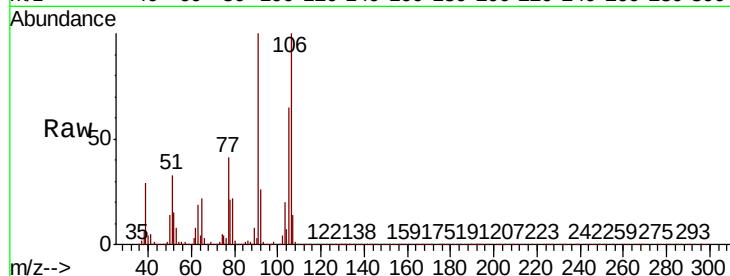
#68
m/p-Xylenes
Concen: 1341.752 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampled :
30737

Tot Ion:106 Resp:19315110
Ion Ratio Lower Upper
106 100
91 0.0 159.0 238.4#

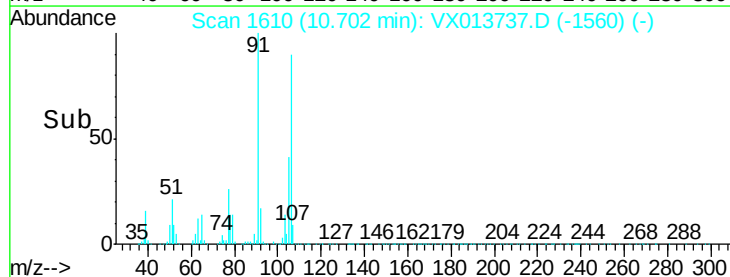
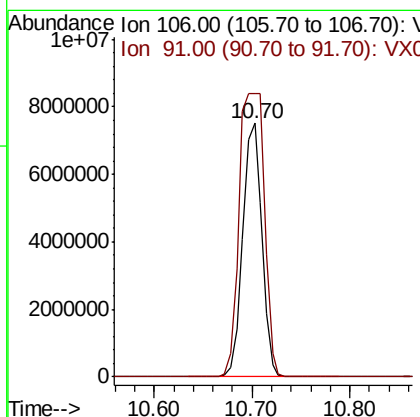
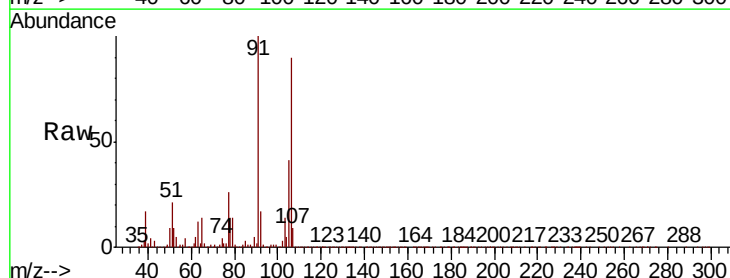
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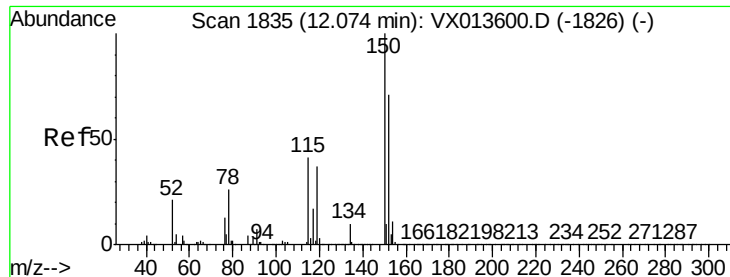
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#69
o-Xylene
Concen: 725.537 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion:106 Resp:10186418
Ion Ratio Lower Upper
106 100
91 148.7 104.1 312.2





#72

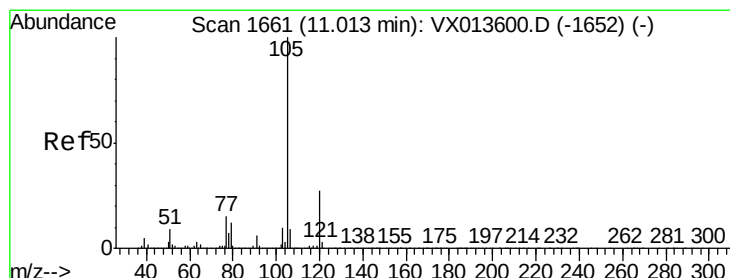
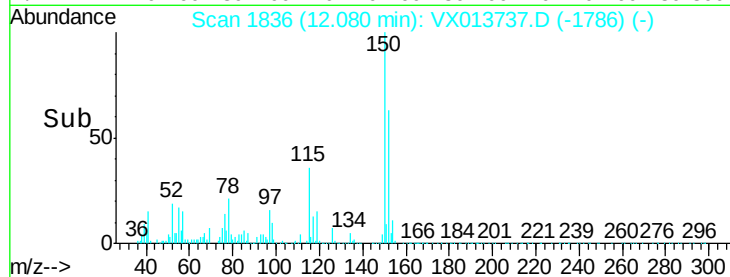
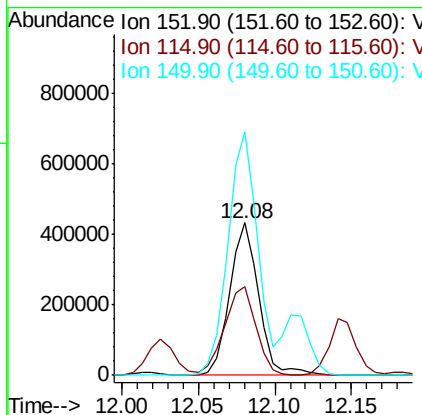
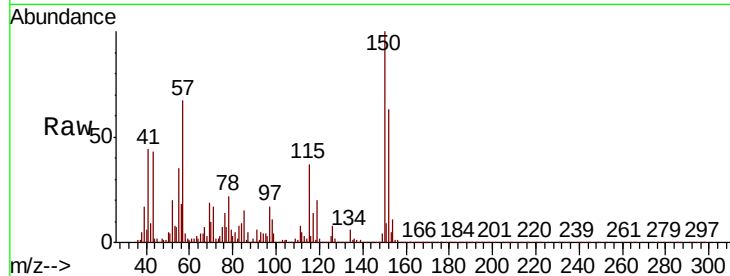
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
30737

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.9	38.4	115.1
150	163.7	0.0	346.8

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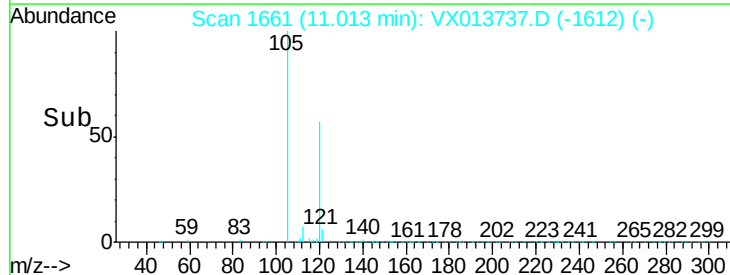
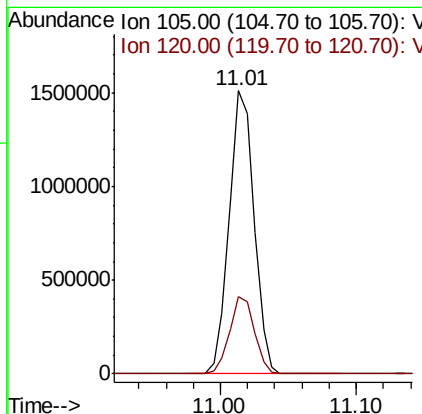
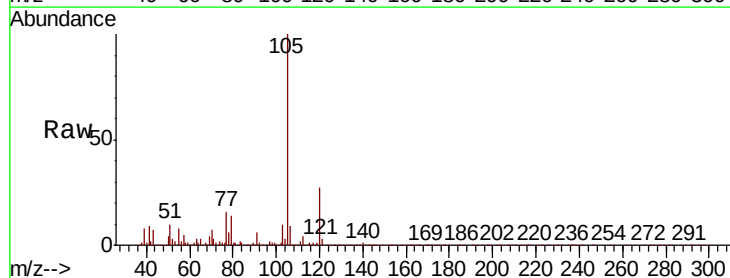
apatel
12/4/2019 1:52:39 PM

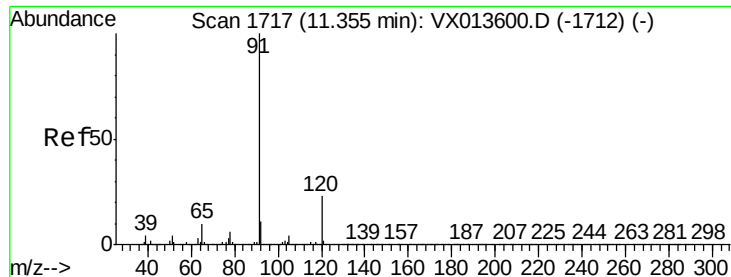


#73

Isopropylbenzene
Concen: 48.571 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.5





#78

n-propylbenzene

Concen: 45.730 ug/l

RT: 11.36 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :
30737

Tot Ion: 91 Resp: 2022164

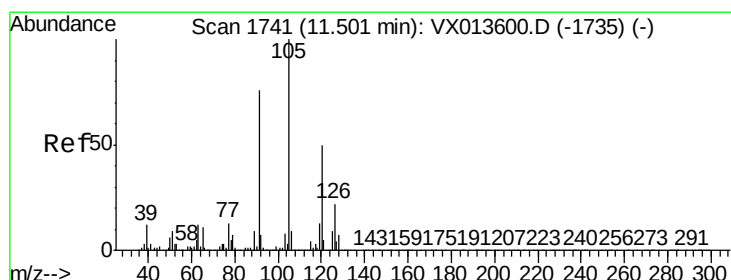
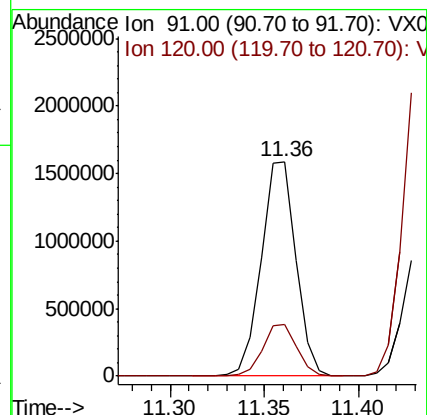
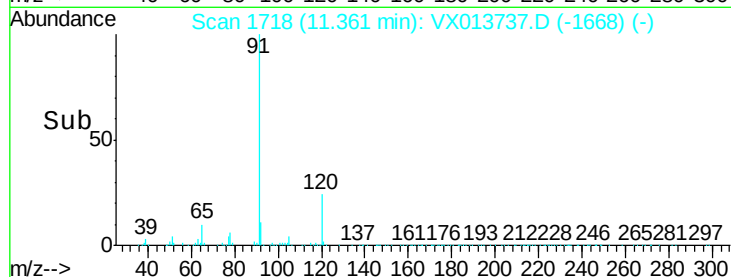
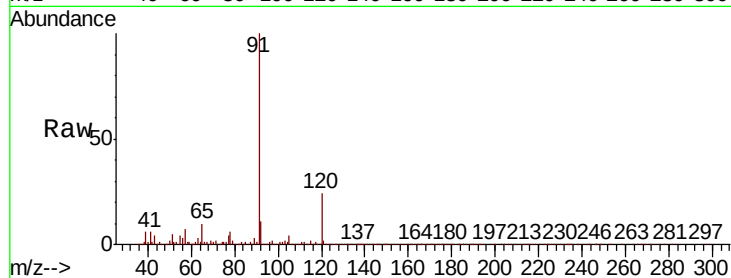
Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.3

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#80

1,3,5-Trimethylbenzene

Concen: 258.503 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX013737.D

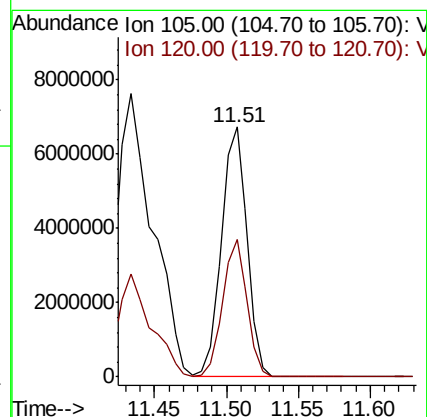
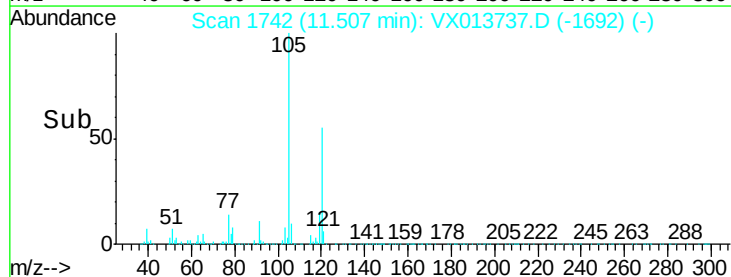
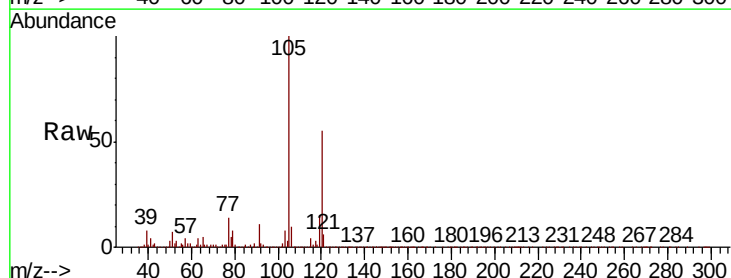
Acq: 03 Dec 2019 20:04

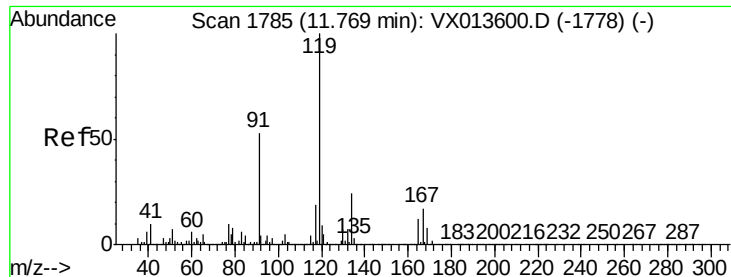
Tgt Ion: 105 Resp: 8392530

Ion Ratio Lower Upper

105 100

120 52.5 25.3 75.9





#83

tert-Butylbenzene

Concen: 2.025 ug/l m

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

30737

Tot Ion:119 Resp: 66802

Ion Ratio Lower Upper

119 100

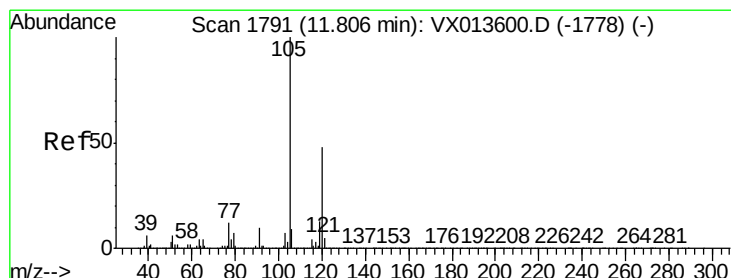
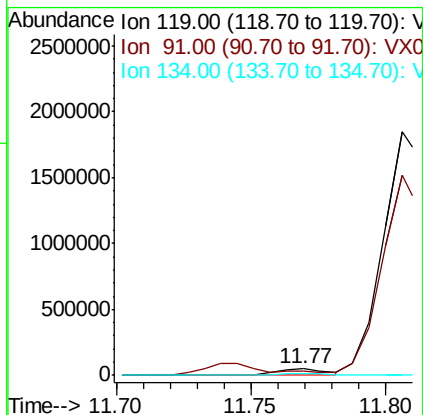
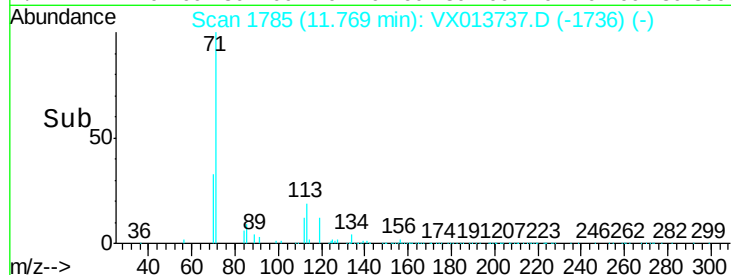
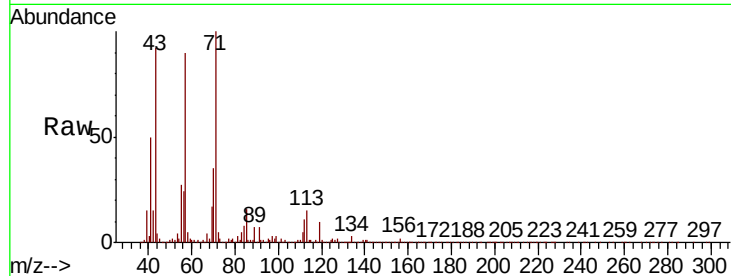
91 2734.5 27.2 81.6

134 0.0 11.7 35.1#

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#84

1,2,4-Trimethylbenzene

Concen: 396.354 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX013737.D

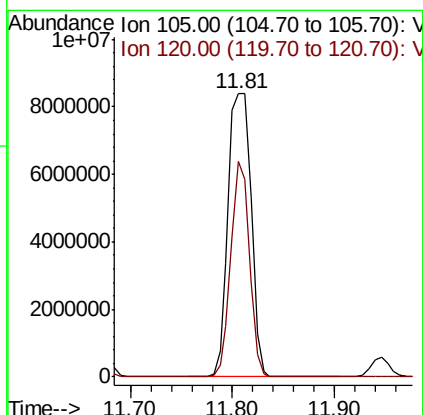
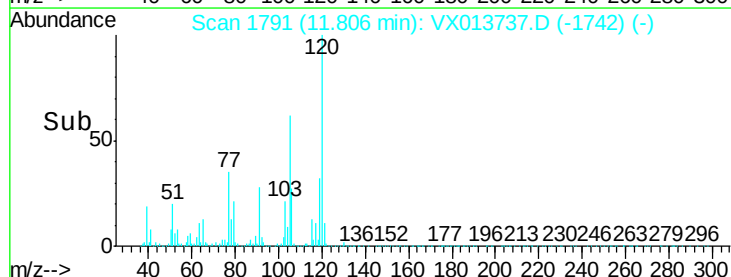
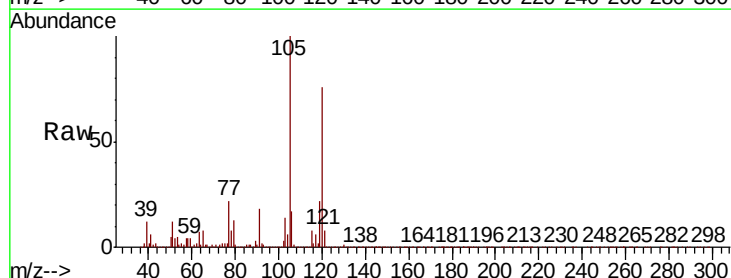
Acq: 03 Dec 2019 20:04

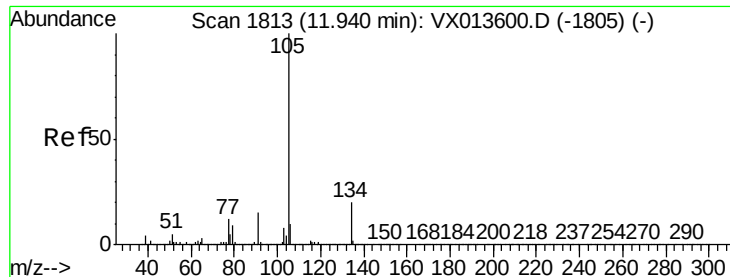
Tgt Ion:105 Resp:13059770

Ion Ratio Lower Upper

105 100

120 61.0 23.1 69.3





#85

sec-Butylbenzene

Concen: 19.764 ug/l

RT: 11.95 min Scan# 1814

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

30737

Tot Ion:105 Resp: 744838

Ion Ratio Lower Upper

105 100

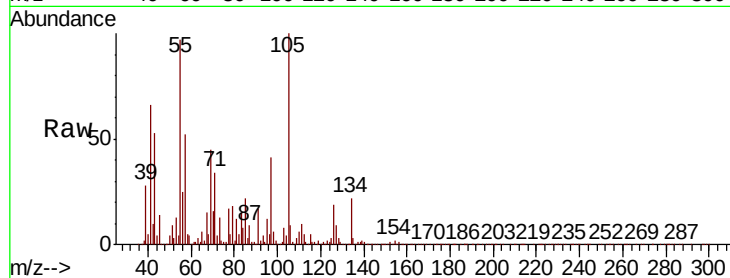
134 21.0 10.4 31.2

Manual Integrations

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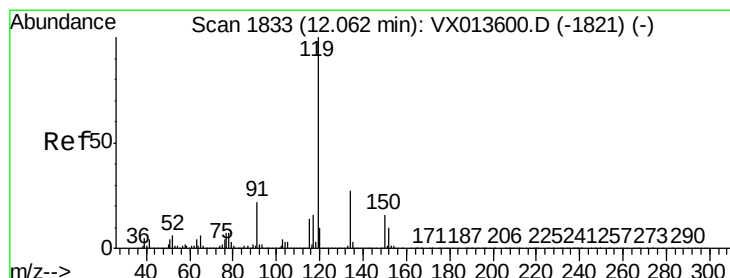
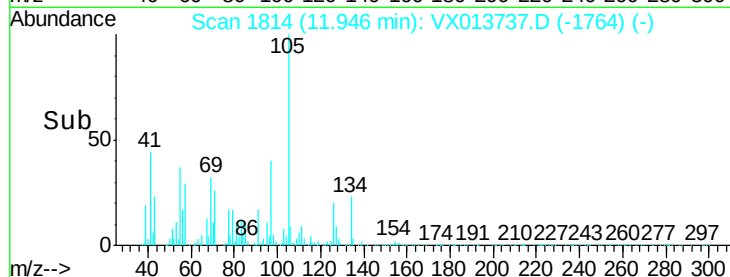
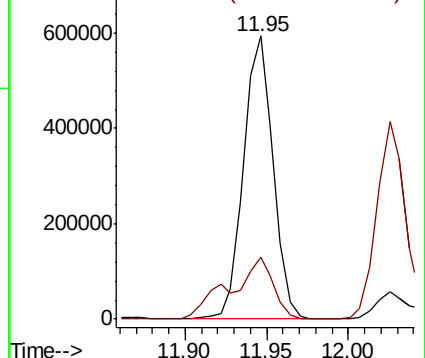
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.249 ug/l m

RT: 12.07 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

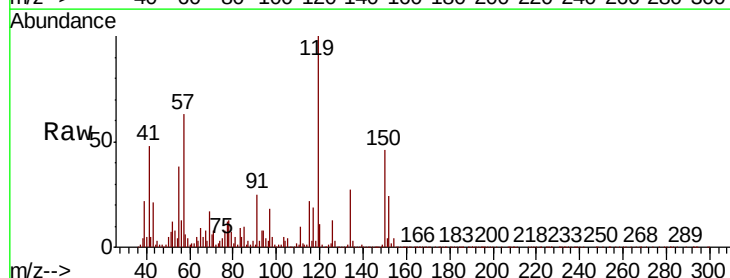
Tgt Ion:119 Resp: 780068

Ion Ratio Lower Upper

119 100

134 19.3 13.3 39.9

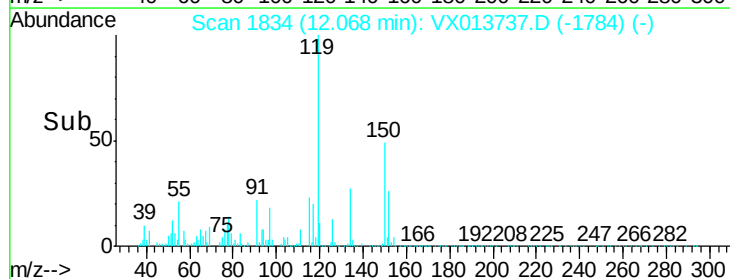
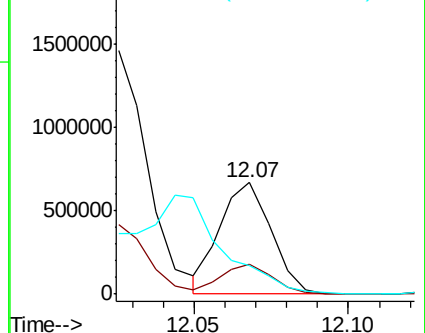
91 16.4 11.3 33.8

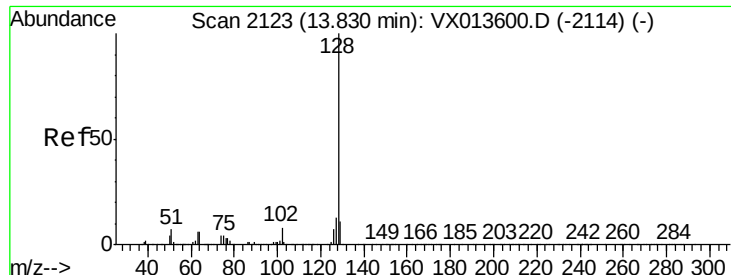


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#95
Naphthalene
Concen: 10.248 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
30737

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	14.7	10.3	15.5
129	14.8	8.7	13.1#

Manual Integrations
APPROVED

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