

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021119\
 Data File : VX007467.D
 Acq On : 11 Feb 2019 14:53
 Operator : JC/SP
 Sample : K1433-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW022-190207

Manual Integrations
 APPROVED

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 2/12/2019 12:15:30 PM

Quant Time: Feb 12 12:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	559019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	845140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	803065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	427889	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	282460	47.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.20%	
35) Dibromofluoromethane	5.50	113	264902	48.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.34%	
50) Toluene-d8	8.71	98	1038224	50.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.13	95	393528	52.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	14235	11.593	ug/l #	73
19) Methyl tert-butyl Ether	3.21	73	1271407	73.526	ug/l	94
31) Cyclohexane	5.58	56	649555	78.724	ug/l	96
39) Methylcyclohexane	7.46	83	680084	74.127	ug/l	96
40) Benzene	6.15	78	9860830	441.457	ug/l	100
52) Toluene	8.78	92	200473	13.911	ug/l	97
67) Ethyl Benzene	10.25	91	17440683	618.005	ug/l #	42
68) m/p-Xylenes	10.37	106	14155286	1261.815	ug/l #	53
69) o-Xylene	10.69	106	521216	48.284	ug/l	96
73) Isopropylbenzene	11.02	105	5218180	179.459	ug/l	99
78) n-propylbenzene	11.36	91	5308176	166.478	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	6397853	268.944	ug/l	100
83) tert-Butylbenzene	11.77	119	122498	5.201	ug/l #	45
84) 1,2,4-Trimethylbenzene	11.80	105	14746724m	610.600	ug/l	
85) sec-Butylbenzene	11.94	105	127634m	4.477	ug/l	
86) p-Isopropyltoluene	12.07	119	124128	4.824	ug/l #	79
89) n-Butylbenzene	12.37	91	480577	21.710	ug/l #	3
95) Naphthalene	13.83	128	6885210	238.597	ug/l	99

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

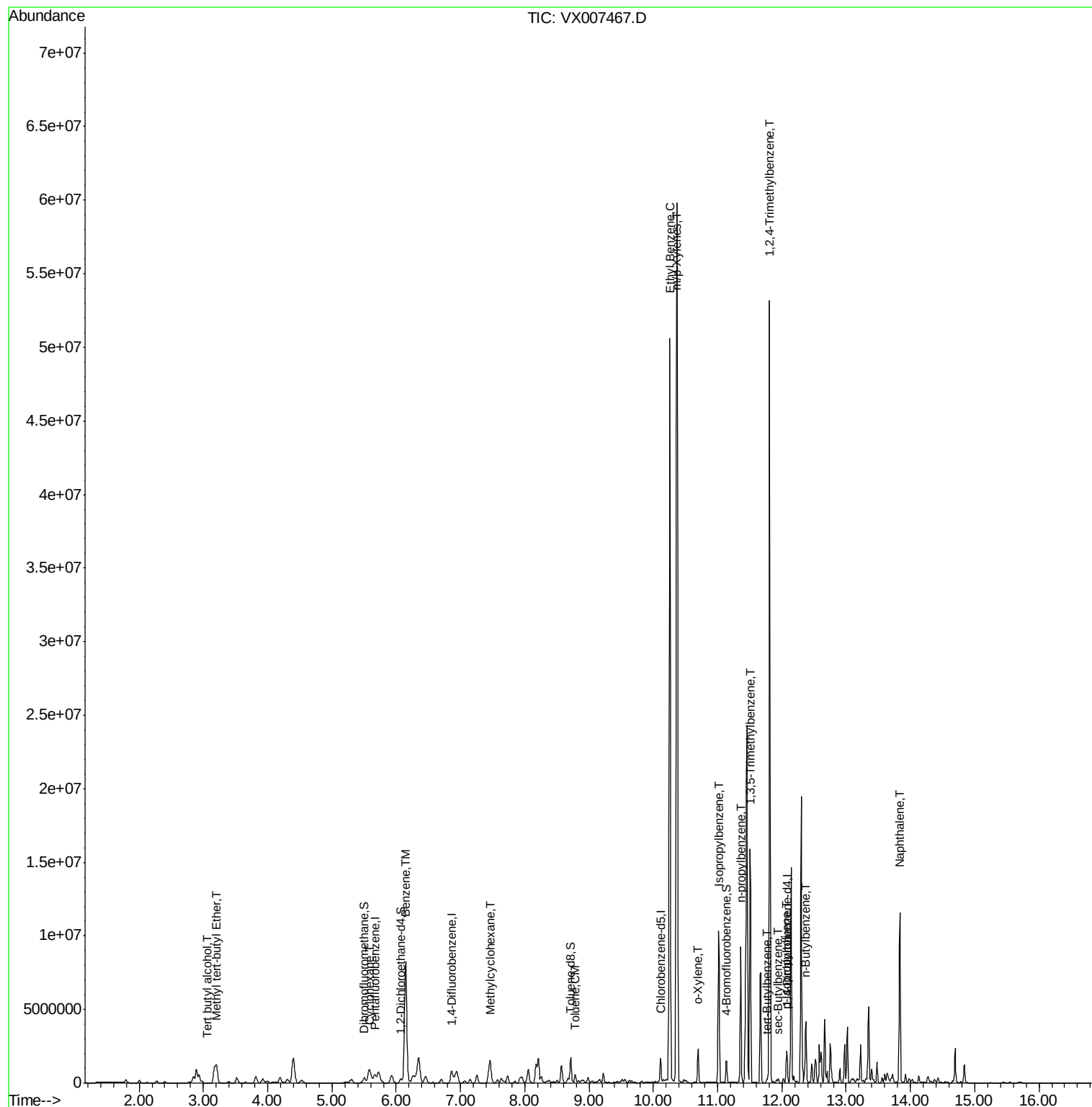
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\
Data File : VX007467.D
Acq On : 11 Feb 2019 14:53
Operator : JC/SP
Sample : K1433-09
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ALS Vial : 12 Sample Multiplier: 1

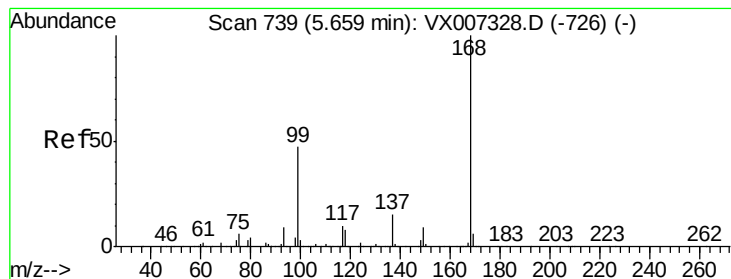
Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

Manual Integrations
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Quant Time: Feb 12 12:20:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

Tot Ion:168 Resp: 559019

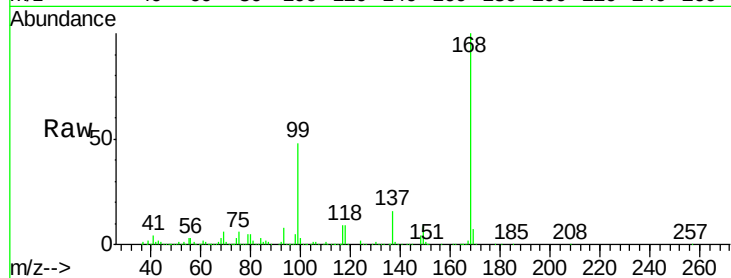
Ion Ratio Lower Upper

168 100

99 48.3 37.9 56.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

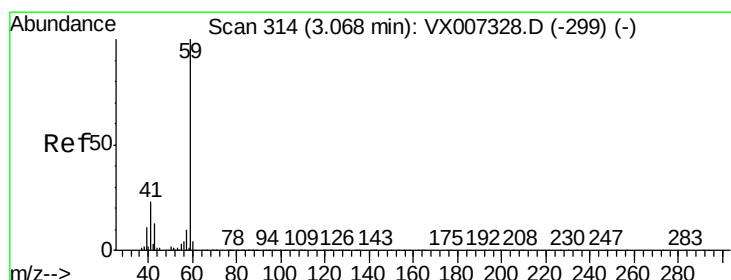
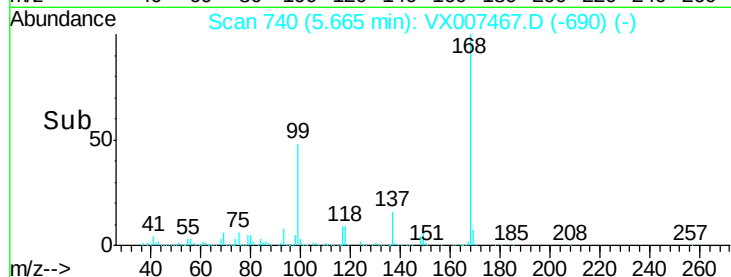
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.593 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007467.D

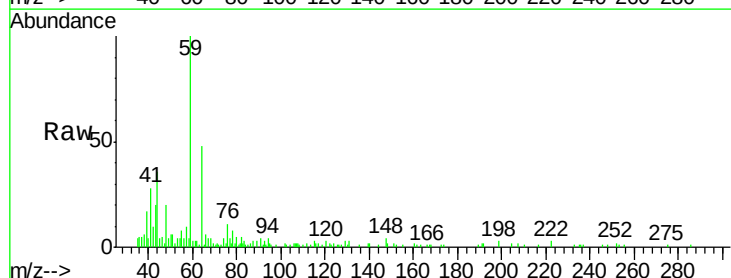
Acq: 11 Feb 2019 14:53

Tgt Ion: 59 Resp: 14235

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

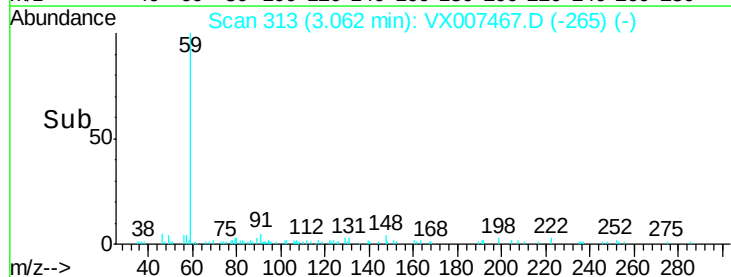
300000

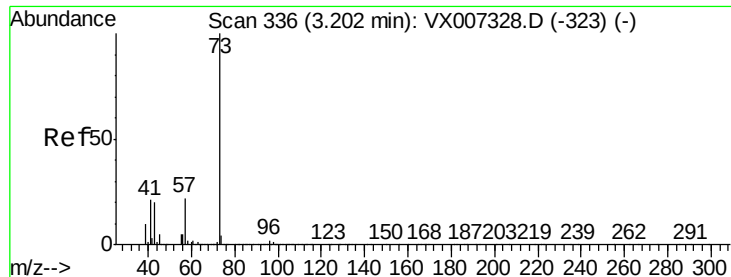
200000

100000

0

Time-->





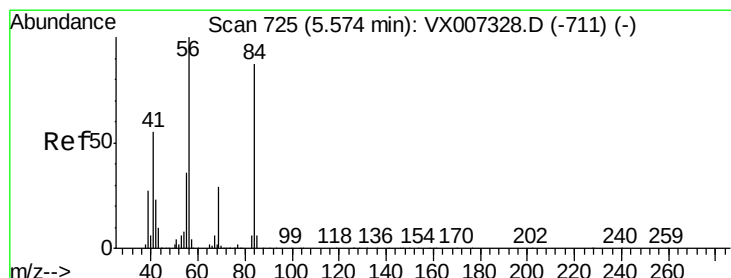
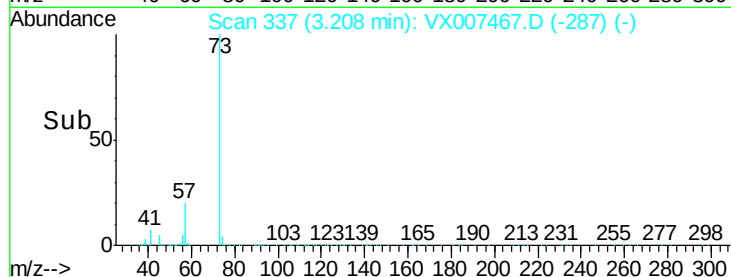
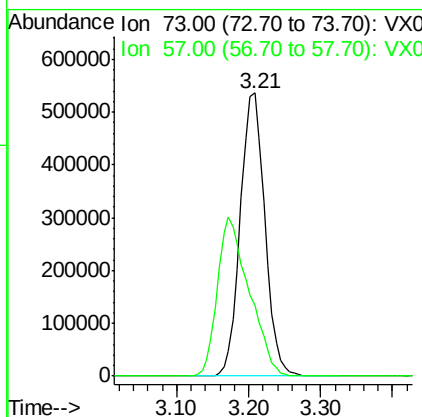
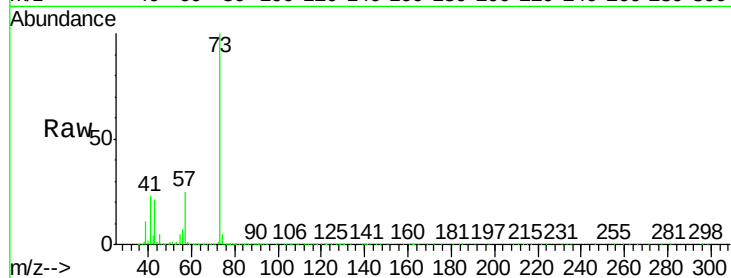
#19
Methyl tert-butyl Ether
Concen: 73.526 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

Tot Ion: 73 Resp: 1271407
Ion Ratio Lower Upper
73 100
57 25.2 17.8 26.8

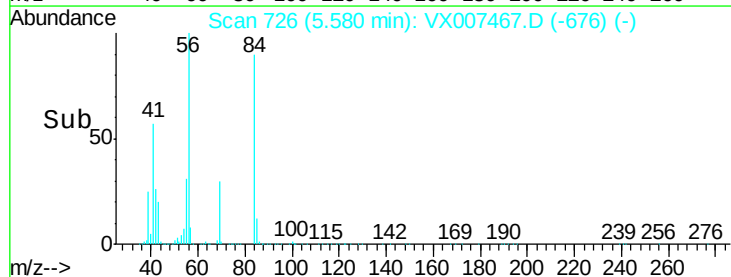
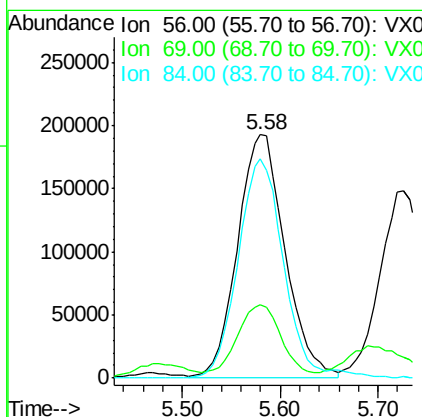
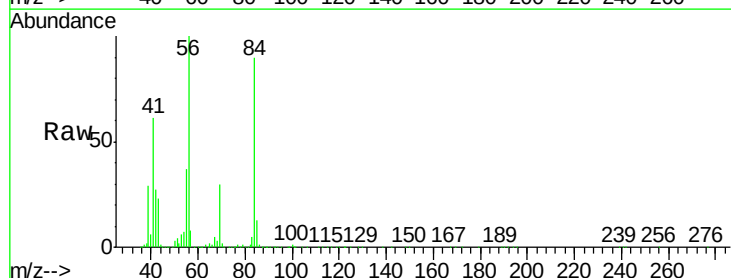
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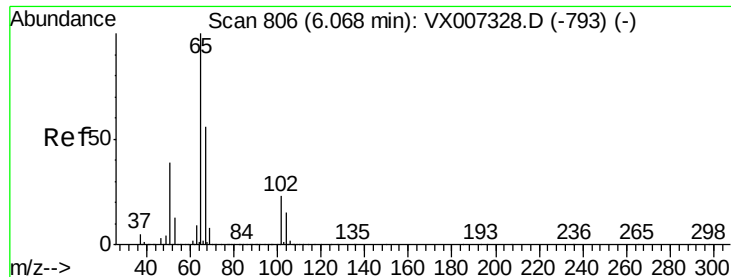
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#31
Cyclohexane
Concen: 78.724 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion: 56 Resp: 649555
Ion Ratio Lower Upper
56 100
69 27.4 23.0 34.6
84 90.8 69.8 104.6





#33

1,2-Dichloroethane-d4

Concen: 47.604 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

Tot Ion: 65 Resp: 282460

Ion Ratio Lower Upper

65 100

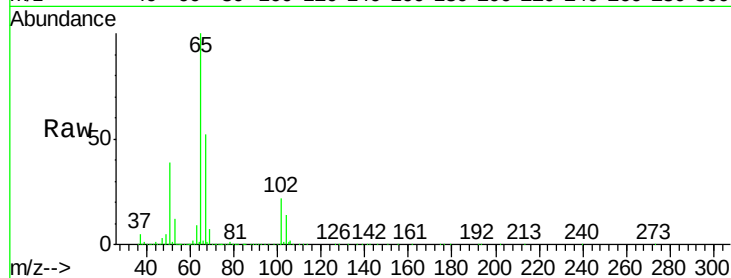
67 53.1 0.0 108.8

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

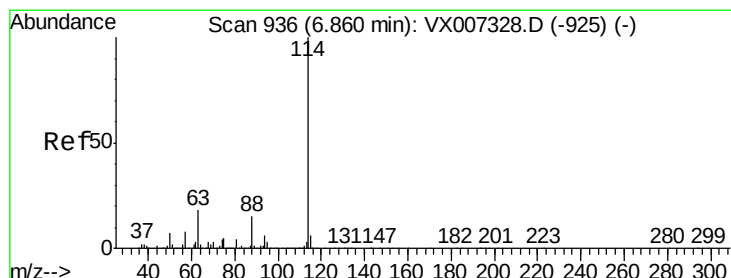
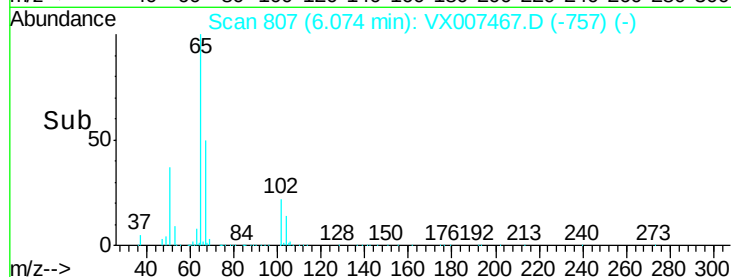
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

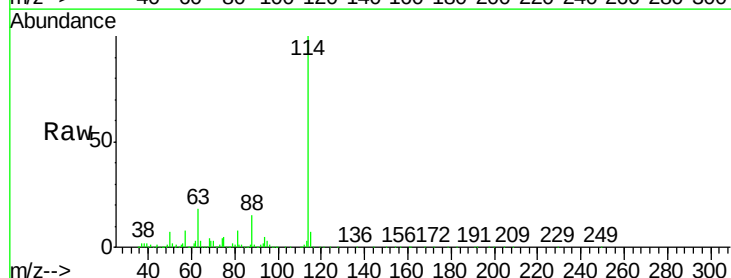
Tgt Ion: 114 Resp: 845140

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

88 14.5 0.0 29.6



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

500000

400000

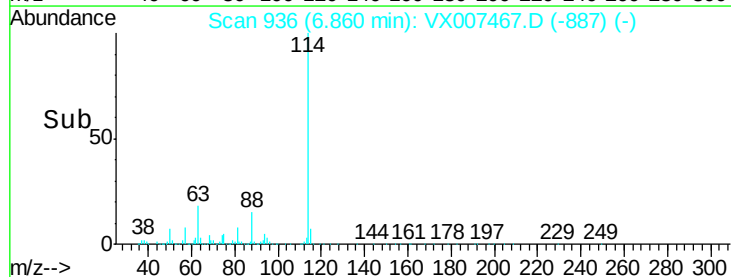
300000

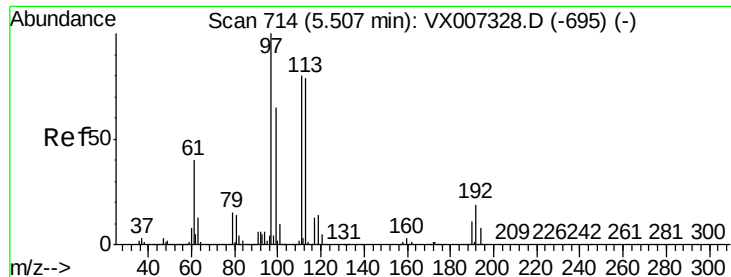
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.173 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

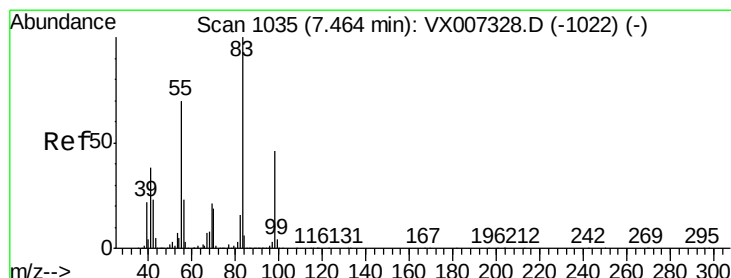
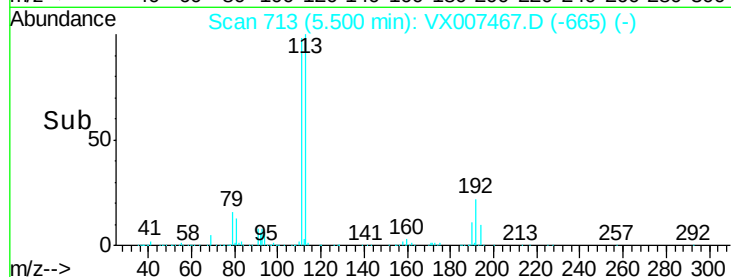
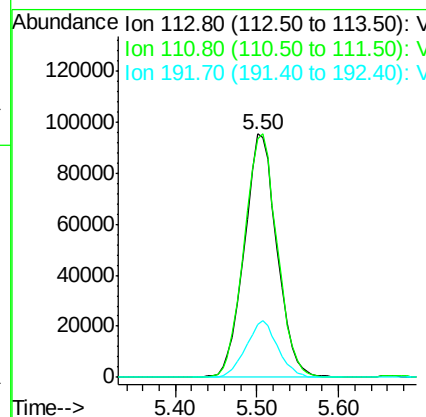
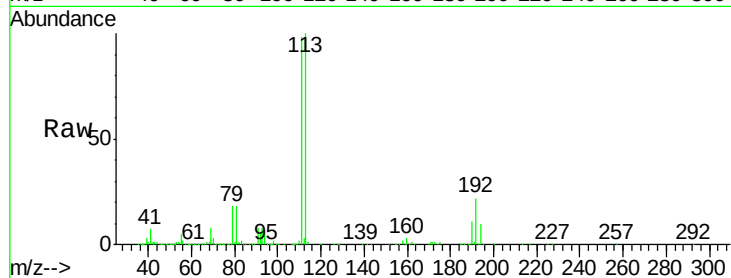
ClientSampleId :

KY001MW022-190207

Tot Ion:	113	Resp:	264902
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.8	122.8
192	22.8	18.5	27.7

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#39

Methylcyclohexane

Concen: 74.127 ug/l

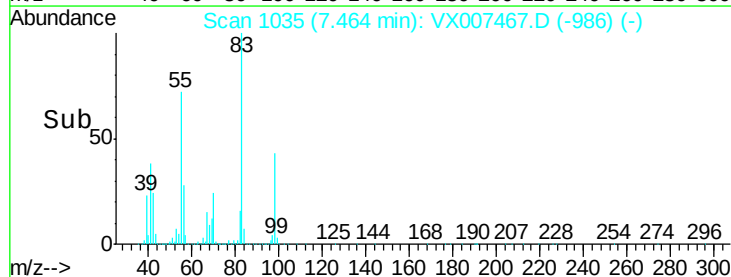
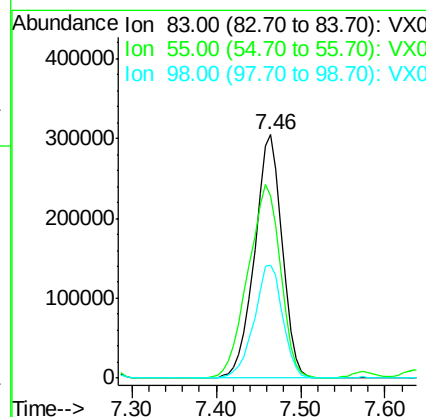
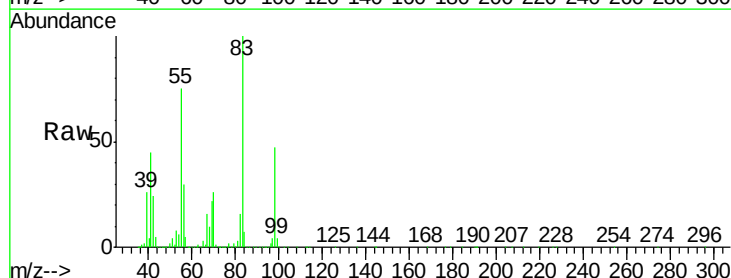
RT: 7.46 min Scan# 1035

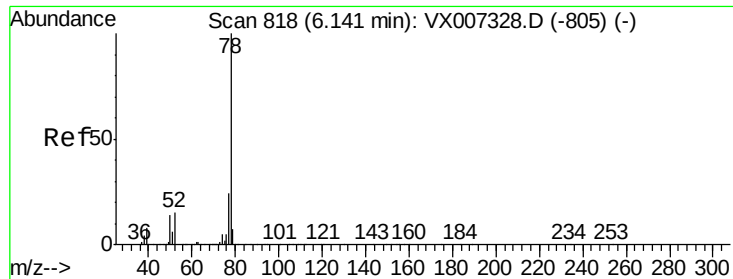
Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Tgt Ion:	83	Resp:	680084
Ion Ratio	Lower	Upper	
83	100		
55	74.9	56.2	84.2
98	46.6	36.8	55.2





#40

Benzene

Concen: 441.457 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

Tot Ion: 78 Resp: 9860830

Ion Ratio Lower Upper

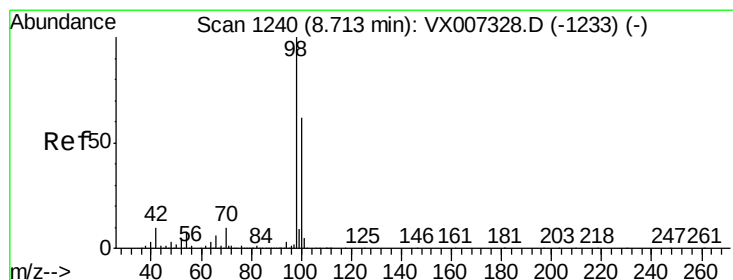
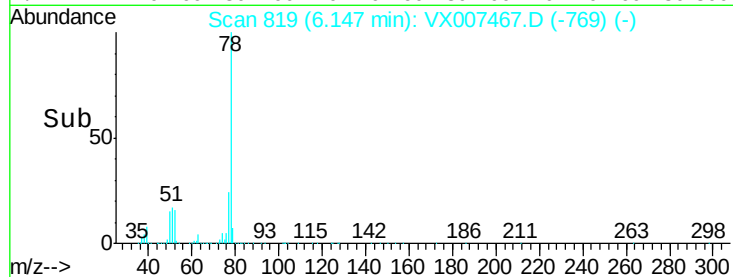
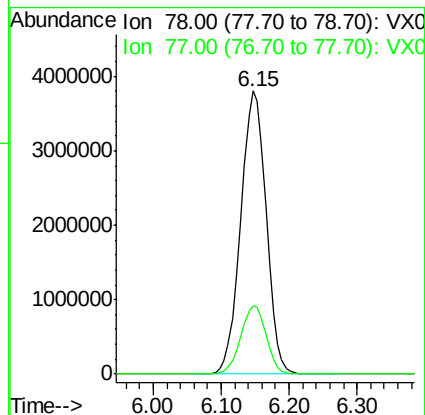
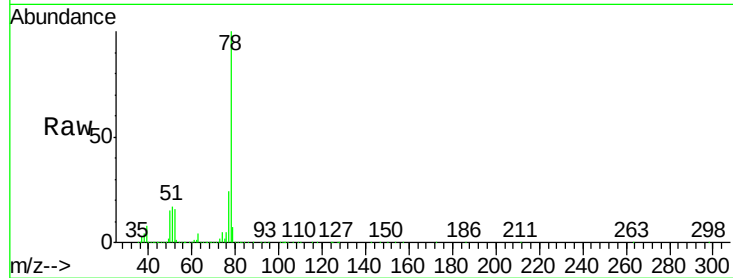
78 100

77 24.3 19.3 28.9

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#50

Toluene-d8

Concen: 50.888 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007467.D

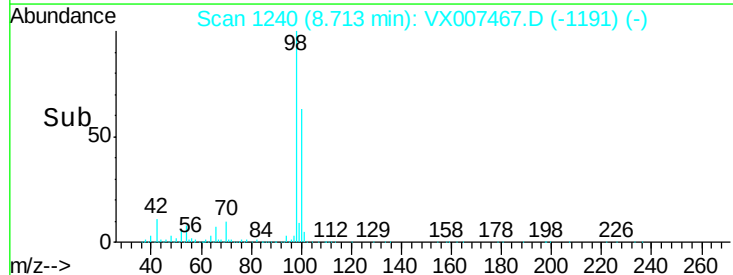
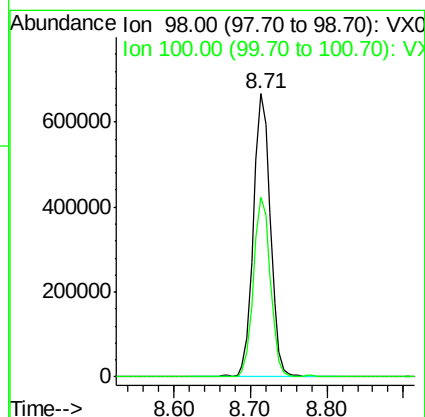
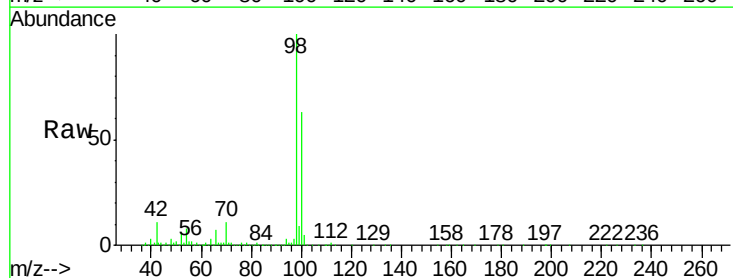
Acq: 11 Feb 2019 14:53

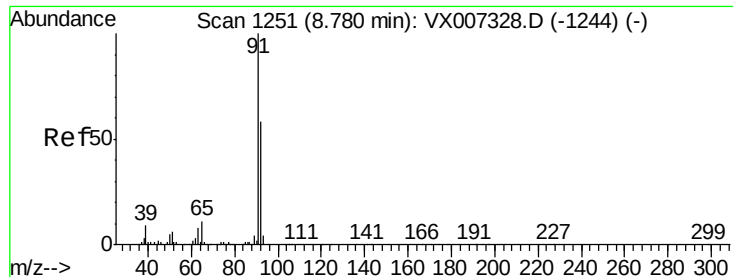
Tgt Ion: 98 Resp: 1038224

Ion Ratio Lower Upper

98 100

100 62.8 51.6 77.4





#52

Toluene

Concen: 13.911 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

Tot Ion: 92 Resp: 200473

Ion Ratio Lower Upper

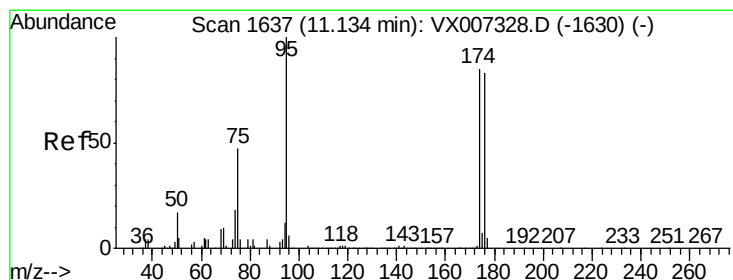
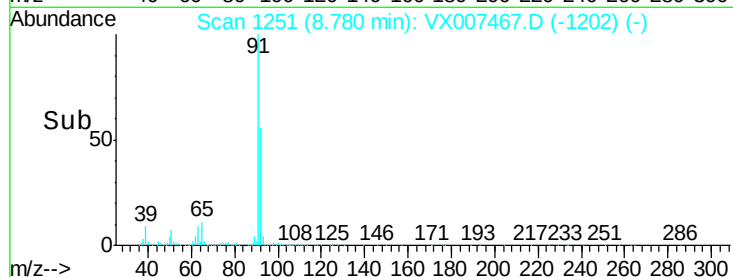
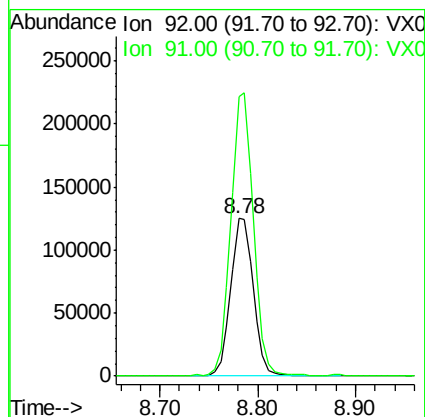
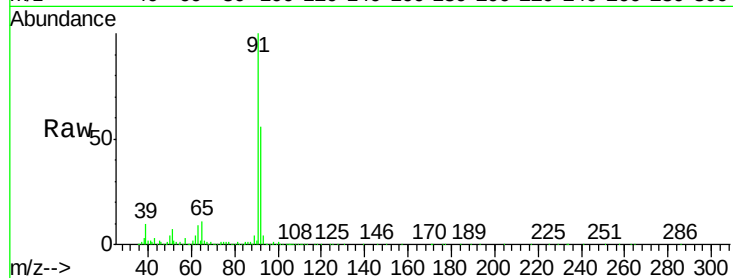
92 100

91 178.2 139.1 208.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 52.830 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

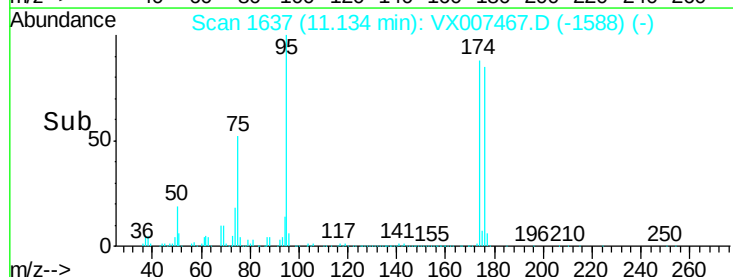
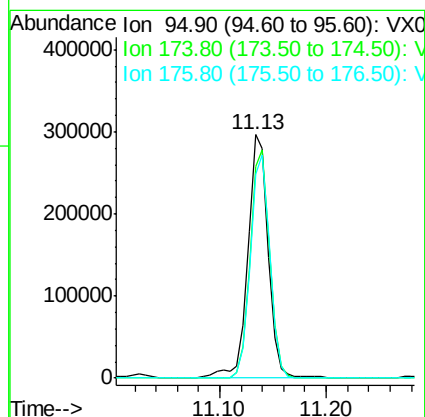
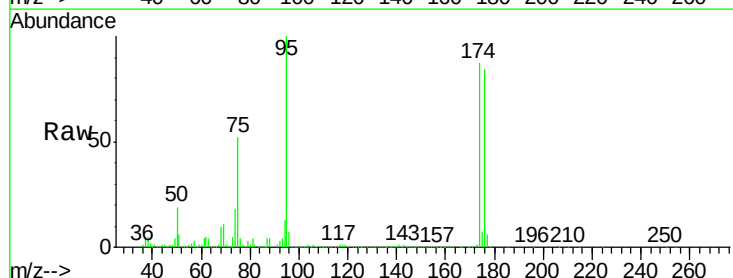
Tgt Ion: 95 Resp: 393528

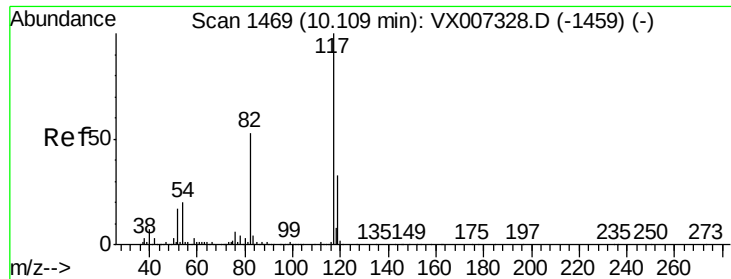
Ion Ratio Lower Upper

95 100

174 90.4 0.0 189.2

176 88.5 0.0 186.2





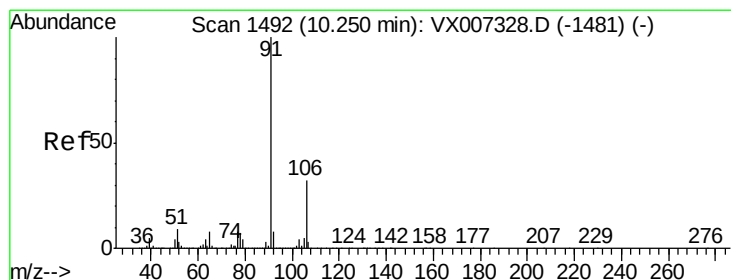
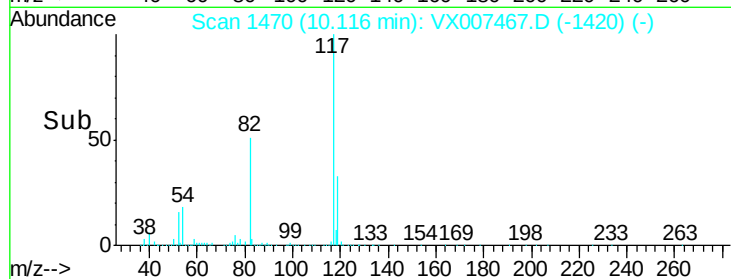
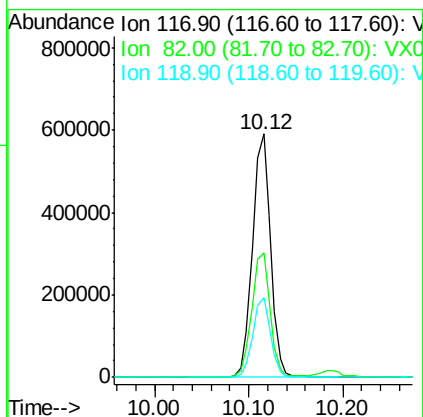
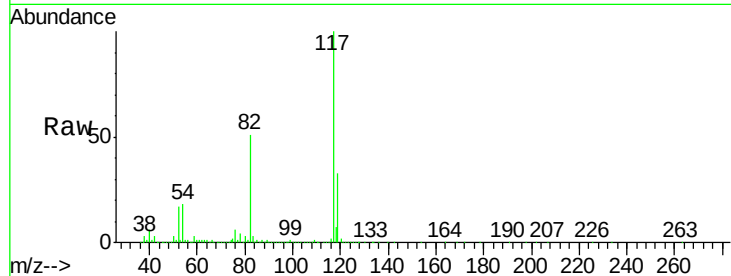
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	42.1	63.1
119	32.6	26.5	39.7

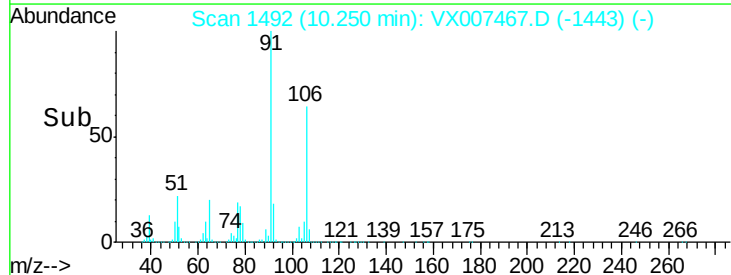
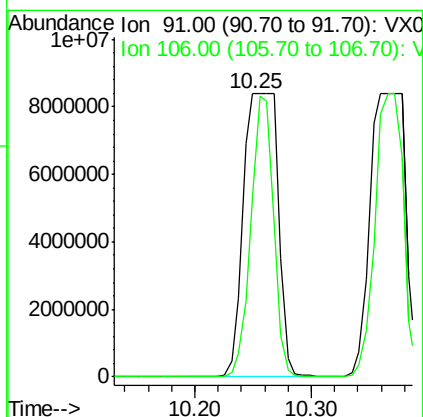
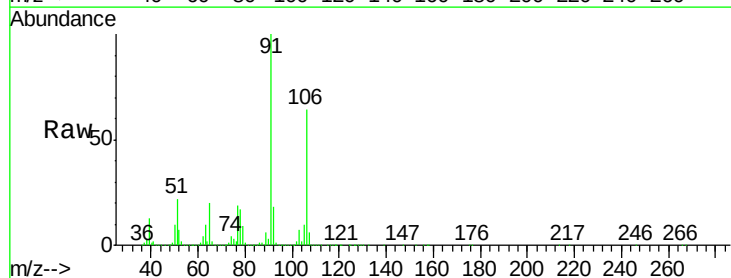
Manual Integrations
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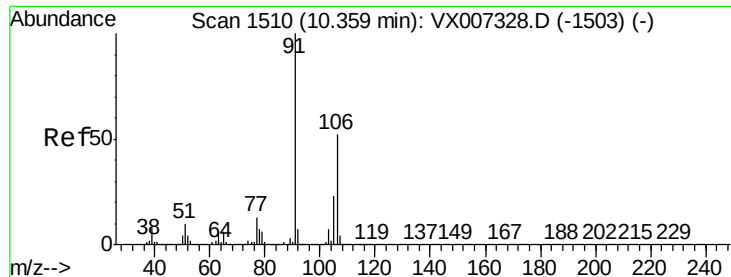
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#67
Ethyl Benzene
Concen: 618.005 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	63.7	25.4	38.0





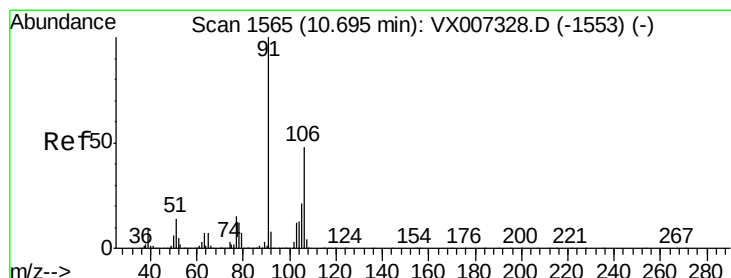
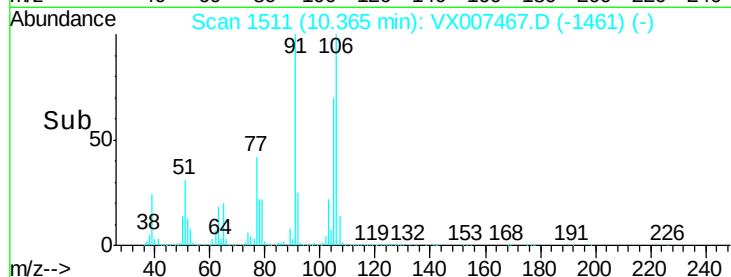
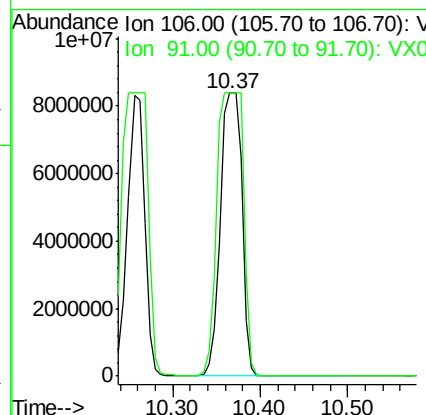
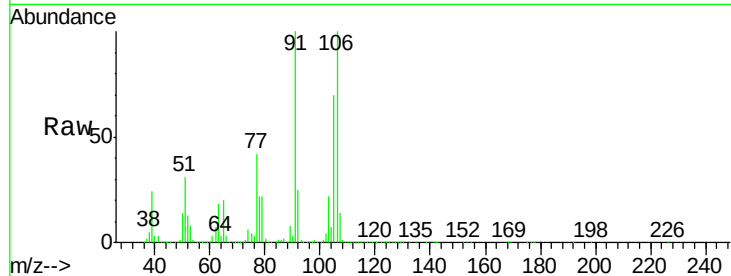
#68
m/p-Xylenes
Concen: 1261.815 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

Tot Ion:106 Resp:14155286
Ion Ratio Lower Upper
106 100
91 125.1 156.6 234.8#

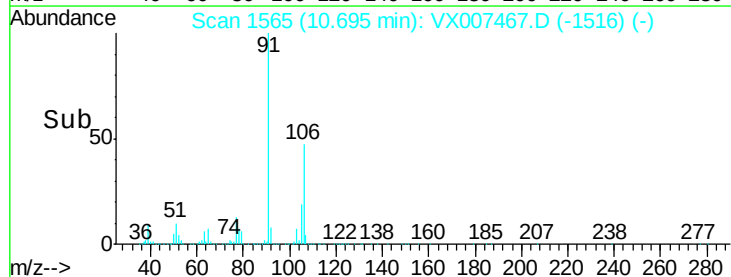
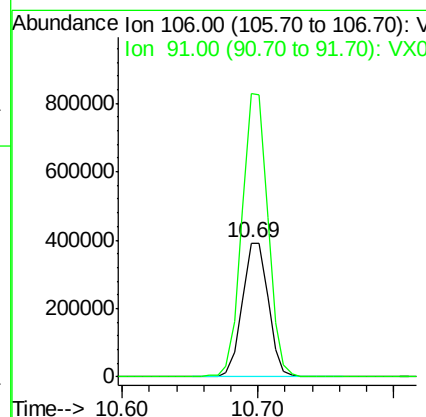
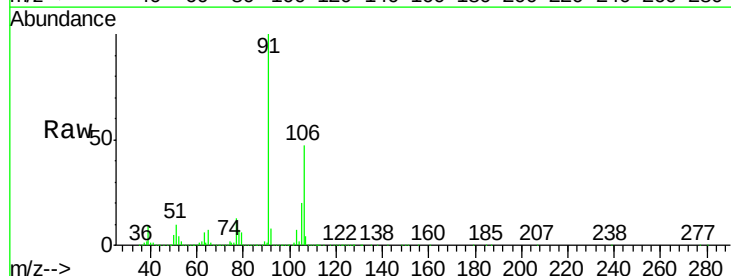
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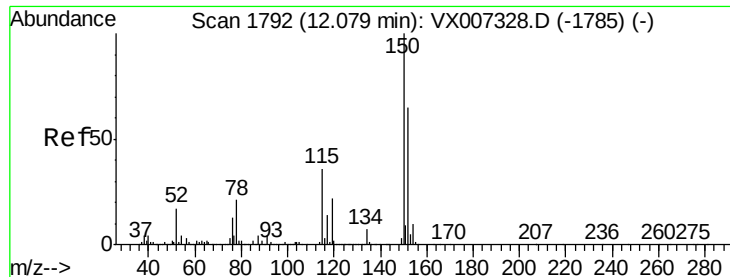
MMDadoda
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#69
o-Xylene
Concen: 48.284 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion:106 Resp: 521216
Ion Ratio Lower Upper
106 100
91 211.6 102.9 308.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

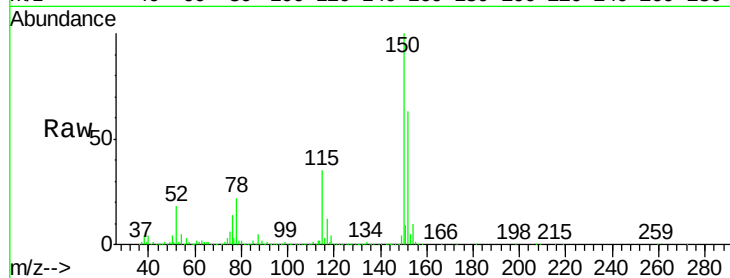
ClientSampleId :

KY001MW022-190207

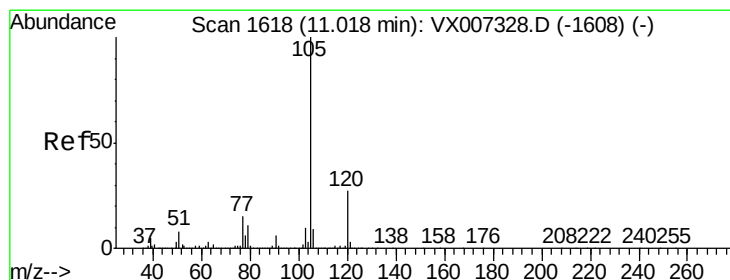
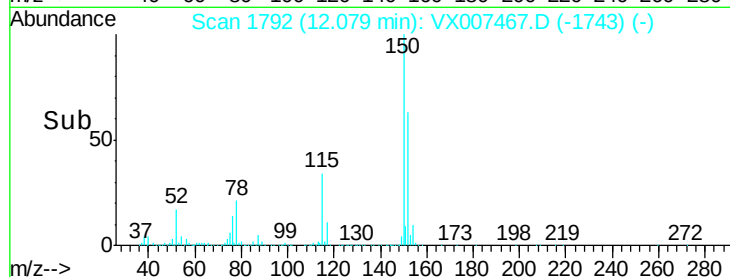
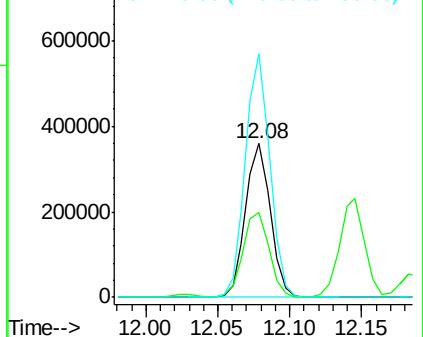
Tot Ion:	152	Resp:	427889
Ion Ratio	Lower	Upper	
152	100		
115	57.3	38.0	114.0
150	157.1	0.0	346.4

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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: 179.459 ug/l

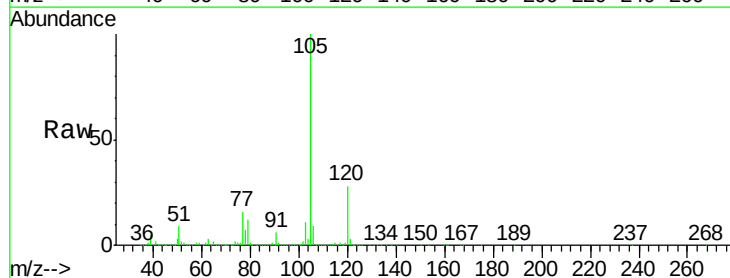
RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

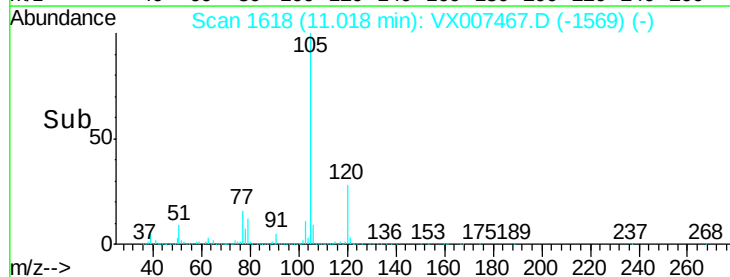
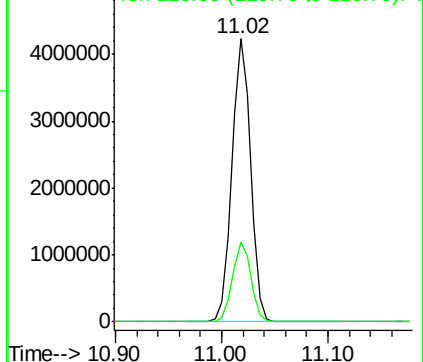
Lab File: VX007467.D

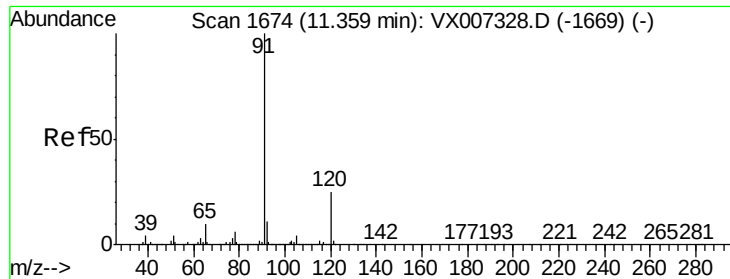
Acq: 11 Feb 2019 14:53

Tgt Ion:	105	Resp:	5218180
Ion Ratio	Lower	Upper	
105	100		
120	27.9	13.6	40.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 166.478 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207

Tot Ion: 91 Resp: 5308176

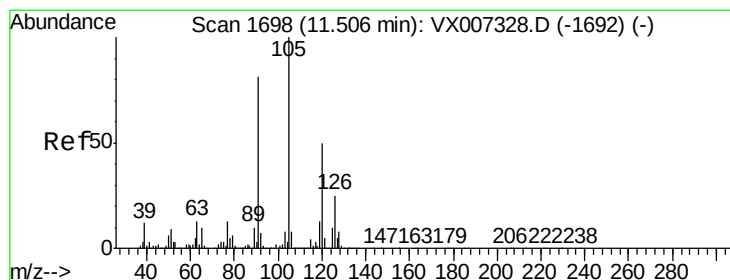
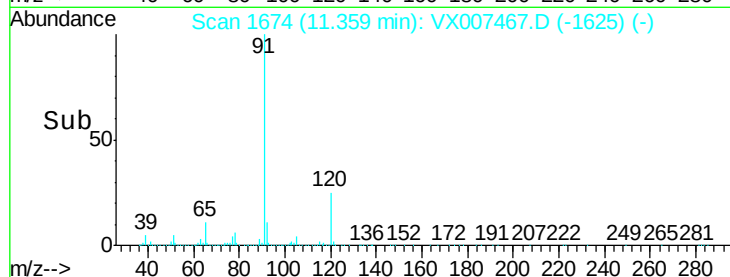
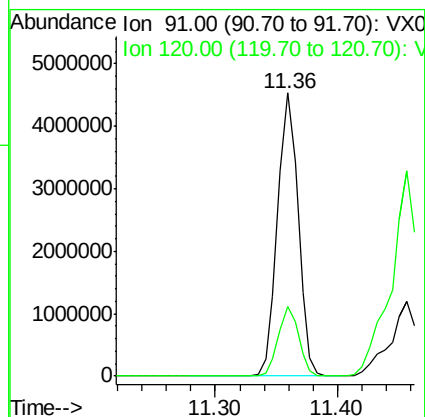
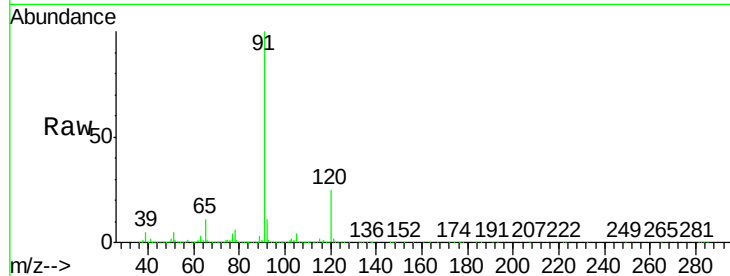
Ion Ratio Lower Upper

91 100

120 24.4 12.4 37.2

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#80

1,3,5-Trimethylbenzene

Concen: 268.944 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007467.D

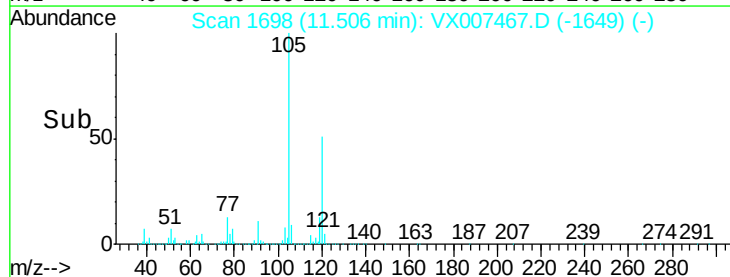
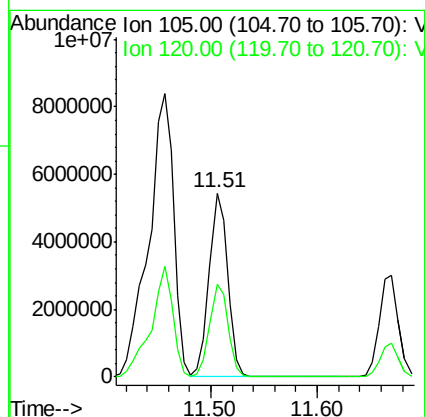
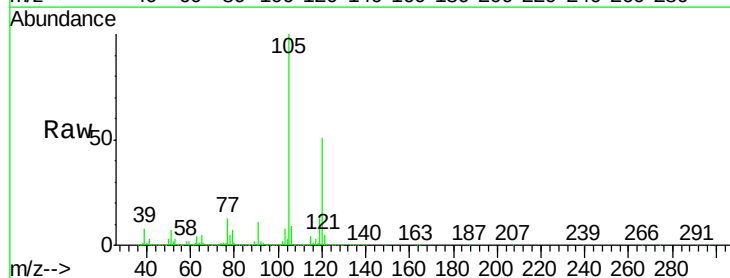
Acq: 11 Feb 2019 14:53

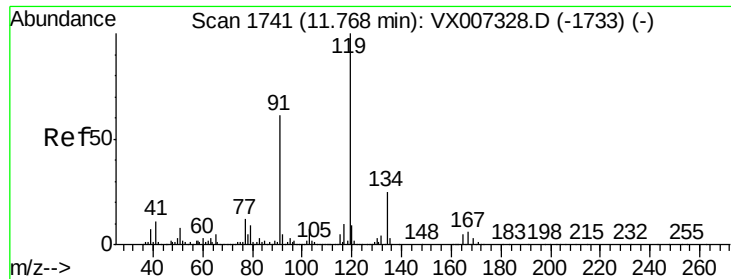
Tgt Ion: 105 Resp: 6397853

Ion Ratio Lower Upper

105 100

120 50.6 25.3 75.8





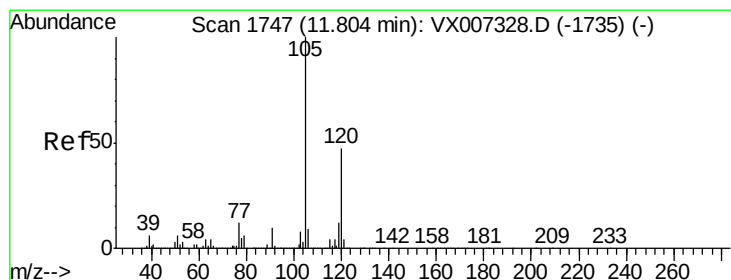
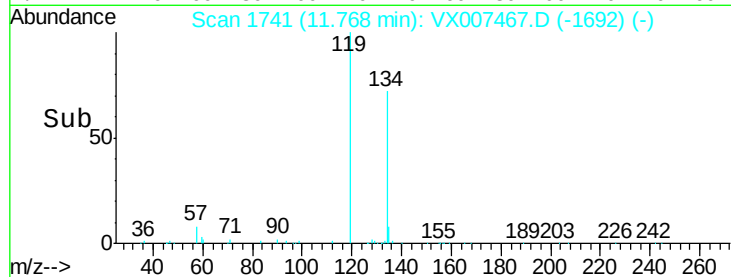
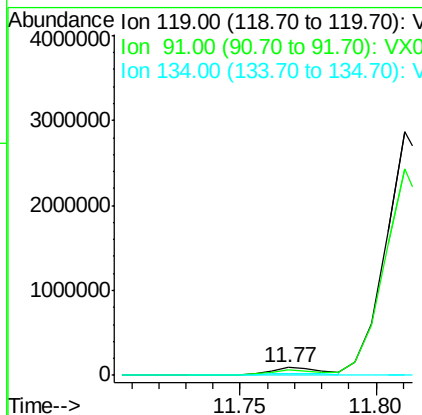
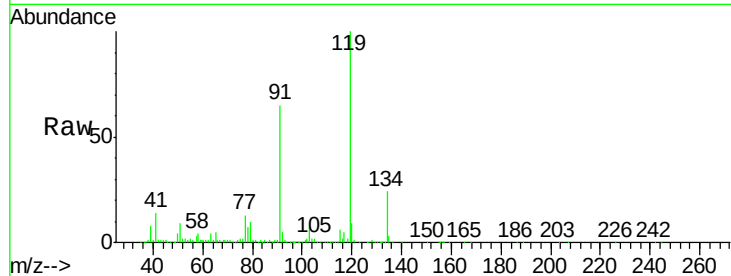
#83
tert-Butylbenzene
Concen: 5.201 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207

Tot Ion	Ratio	Resp	Lower	Upper
119	100	122498		
91	0.0	28.5	85.6#	
134	23.7	12.0	36.0	

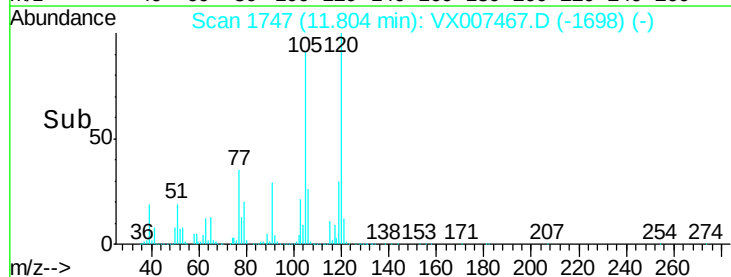
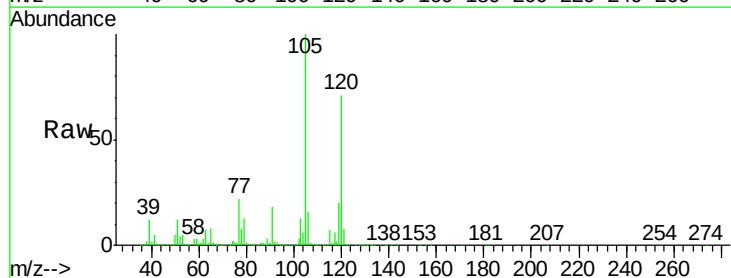
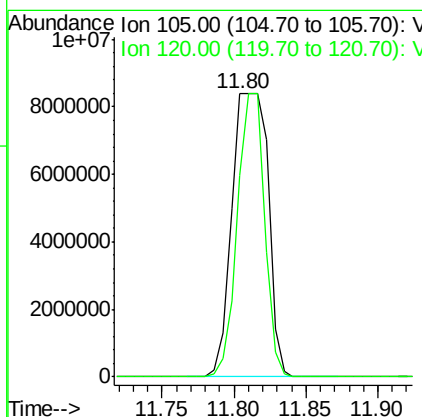
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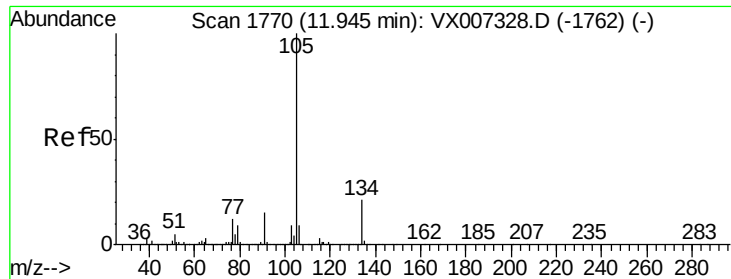
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#84
1,2,4-Trimethylbenzene
Concen: 610.600 ug/l m
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007467.D
Acq: 11 Feb 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	14746724		
120	8.1	23.1	69.3#	





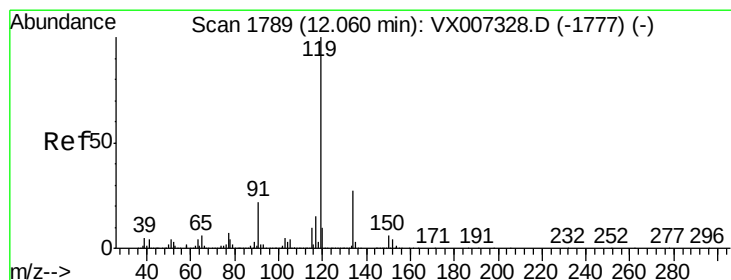
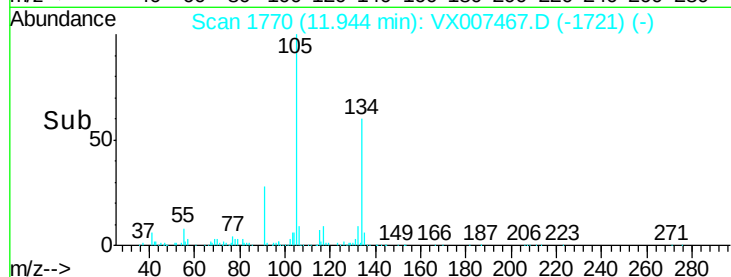
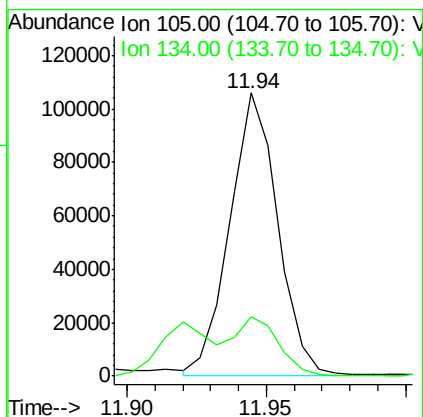
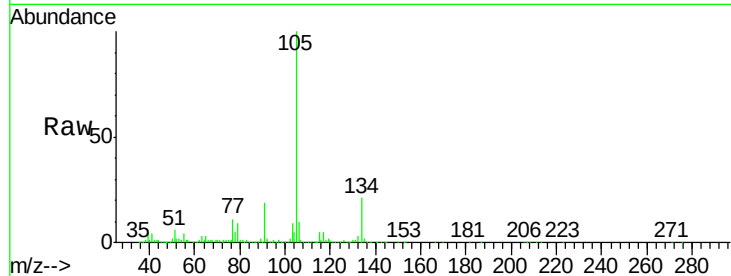
#85
 sec-Butylbenzene
 Concen: 4.477 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007467.D
 Acq: 11 Feb 2019 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW022-190207

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.6	31.8#

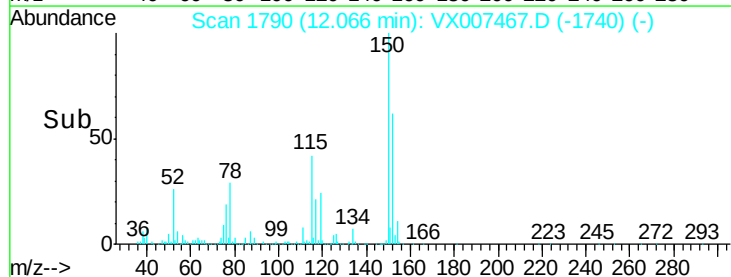
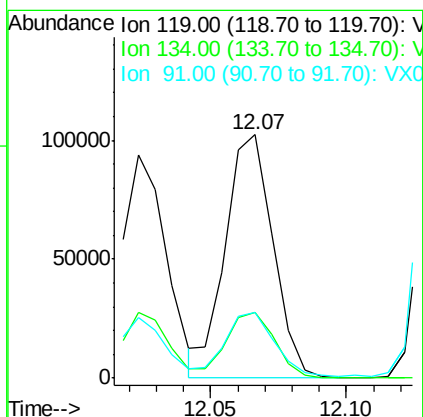
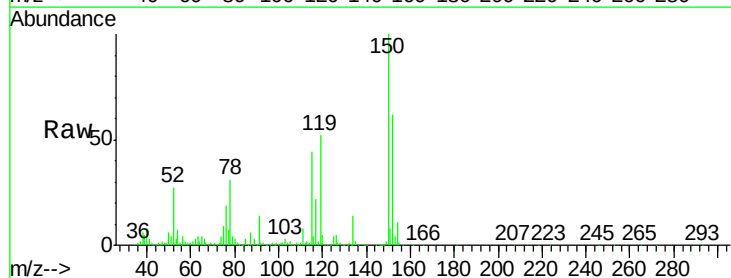
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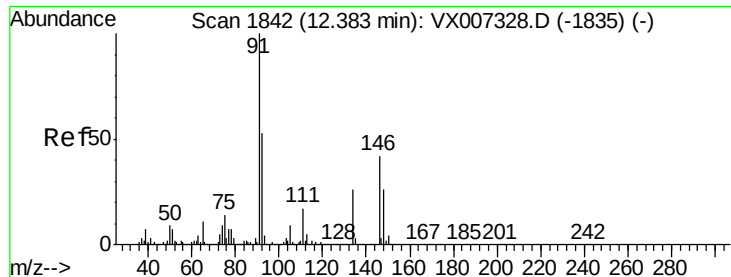
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#86
 p-Isopropyltoluene
 Concen: 4.824 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX007467.D
 Acq: 11 Feb 2019 14:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.7	41.1
91	0.0	11.2	33.5#





#89

n-Butylbenzene

Concen: 21.710 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Instrument :

MSVOA_X

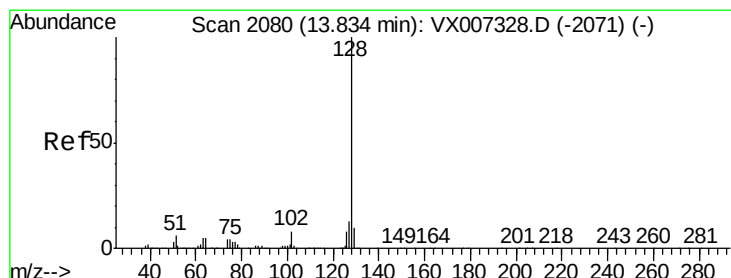
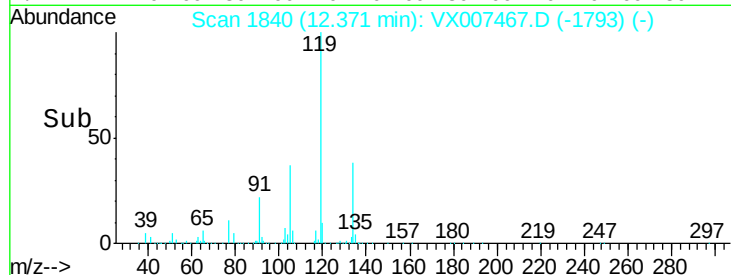
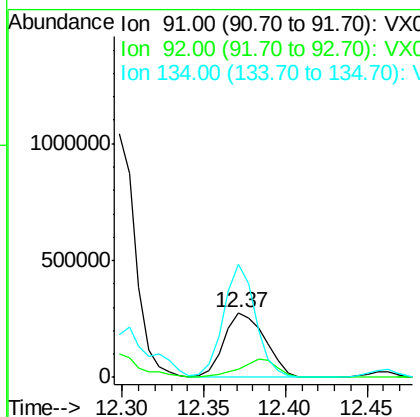
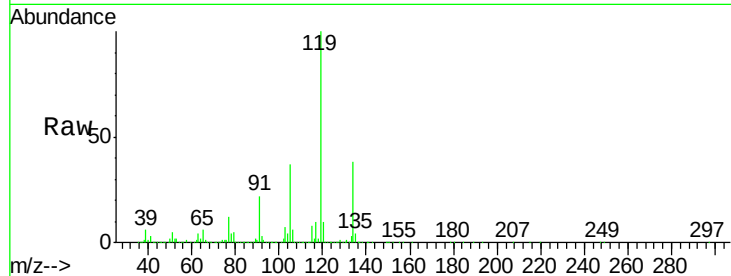
ClientSampleId :

KY001MW022-190207

Tot Ion:	91	Resp:	480577
Ion Ratio		Lower	Upper
91	100		
92	25.8	26.3	78.9#
134	137.9	13.9	41.6#

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#95

Naphthalene

Concen: 238.597 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007467.D

Acq: 11 Feb 2019 14:53

Tgt Ion:	128	Resp:	6885210
Ion Ratio		Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.4	8.7	13.1

