

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010817.D
 Acq On : 11 Jul 2019 19:07
 Operator : JC/SP
 Sample : K3749-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Manual Integrations
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 7/12/2019 12:21:23 PM

Quant Time: Jul 12 09:48:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165864	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	114034	53.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.06%	
35) Dibromofluoromethane	5.50	113	108072	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
50) Toluene-d8	8.71	98	432581	52.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.13	95	159712	53.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.36%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	17650	16.531	ug/l	94
17) Carbon Disulfide	2.57	76	4448	0.842	ug/l	96
25) 2-Butanone	4.68	43	11323	7.230	ug/l	93
31) Cyclohexane	5.58	56	156719	50.927	ug/l #	91
39) Methylcyclohexane	7.46	83	125712	34.185	ug/l	92
40) Benzene	6.15	78	124768	14.315	ug/l	99
52) Toluene	8.78	92	132159	23.025	ug/l	99
67) Ethyl Benzene	10.25	91	394874	34.882	ug/l	98
68) m/p-Xylenes	10.36	106	638109	145.476	ug/l	99
69) o-Xylene	10.69	106	20313	4.709	ug/l	96
73) Isopropylbenzene	11.02	105	1214545	108.022	ug/l	98
78) n-propylbenzene	11.36	91	1332825	107.859	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	292610	31.569	ug/l	99
83) tert-Butylbenzene	11.77	119	13556	1.457	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	5940m	0.638	ug/l	
85) sec-Butylbenzene	11.94	105	77815	7.124	ug/l	94
86) p-Isopropyltoluene	12.06	119	15839	1.568	ug/l #	77
89) n-Butylbenzene	12.38	91	95940	11.175	ug/l #	67
95) Naphthalene	13.83	128	106676	9.190	ug/l	98

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

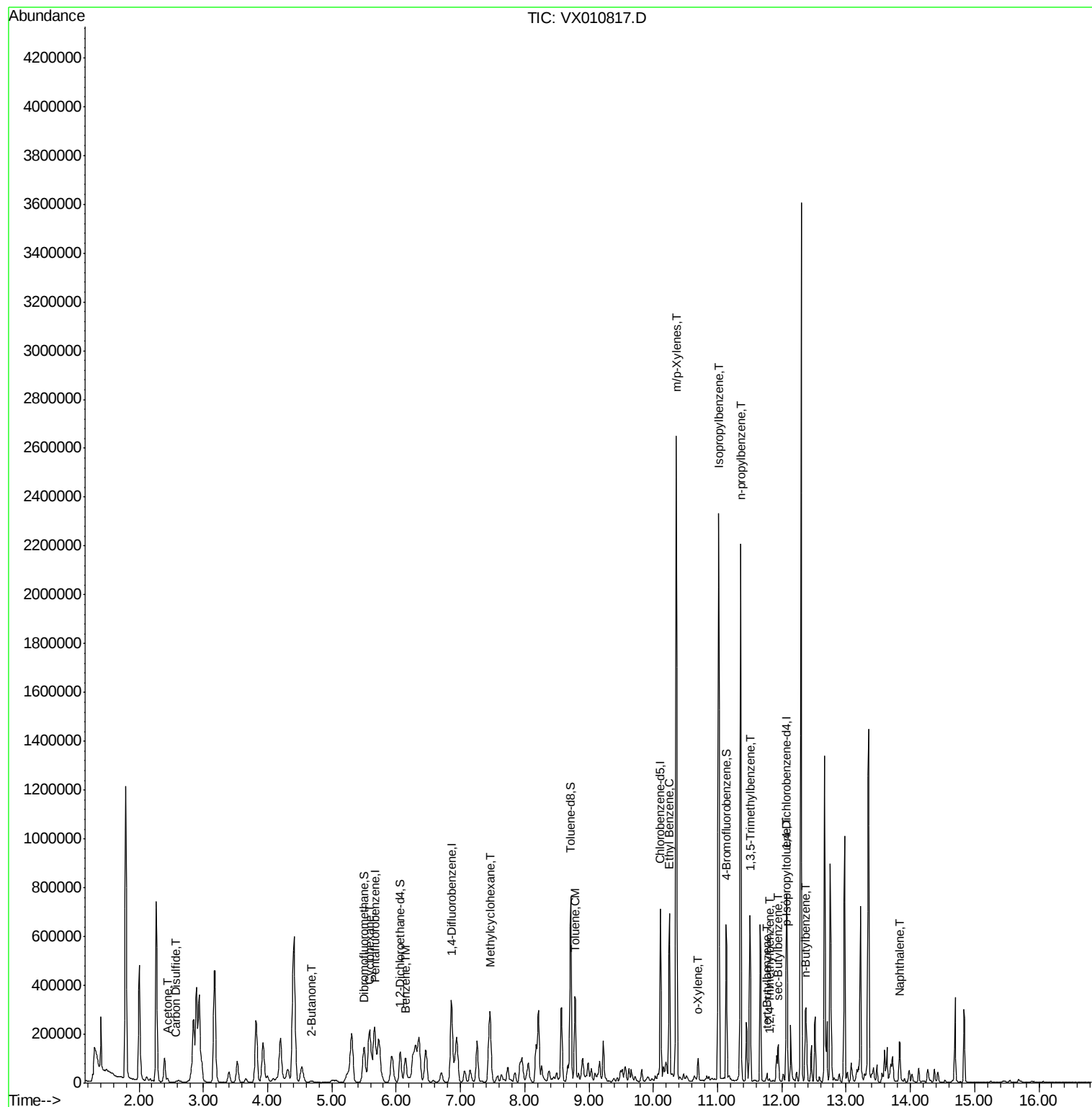
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071119\
Data File : VX010817.D
Acq On : 11 Jul 2019 19:07
Operator : JC/SP
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ALS Vial : 25 Sample Multiplier: 1

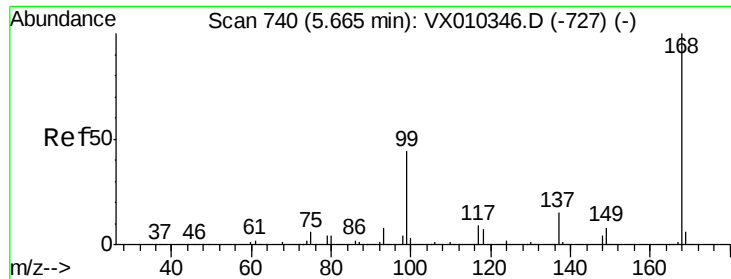
Instrument :
MSVOA_X
ClientSampleId :
MW-4

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Quant Time: Jul 12 09:48:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010817.D

Acq: 11 Jul 2019 19:07

Instrument :

MSVOA_X

ClientSampled :

MW-4

Tot Ion:168 Resp: 227224

Ion Ratio Lower Upper

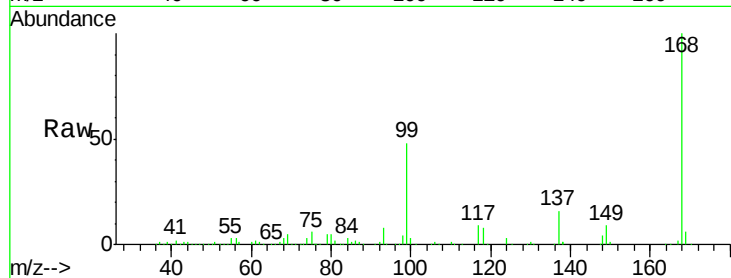
168 100

99 47.7 35.5 53.3

Manual Integrations
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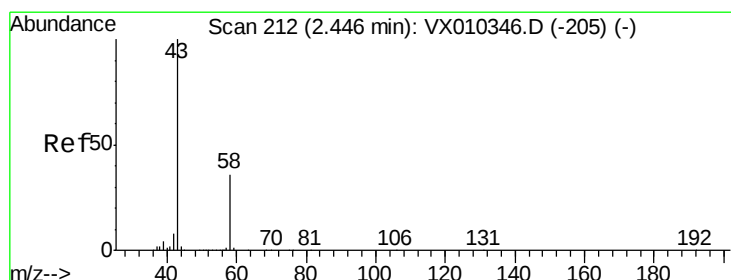
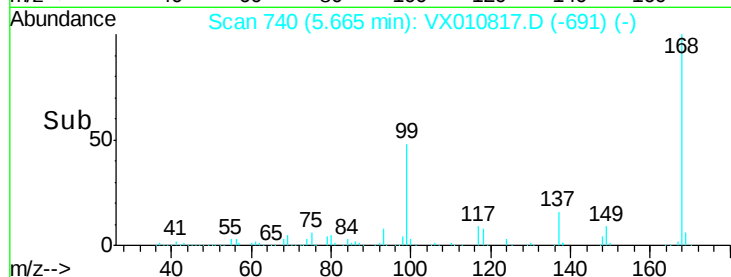
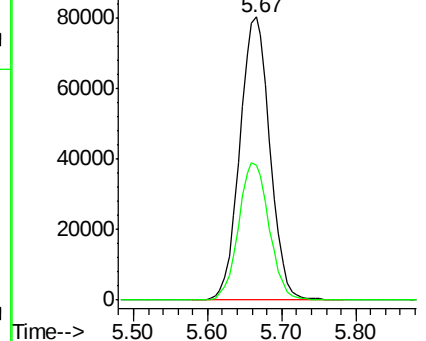
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 16.531 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010817.D

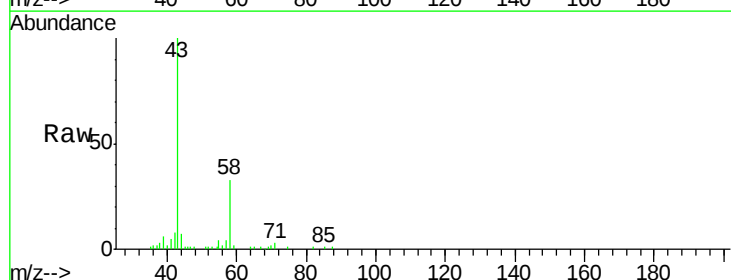
Acq: 11 Jul 2019 19:07

Tgt Ion: 43 Resp: 17650

Ion Ratio Lower Upper

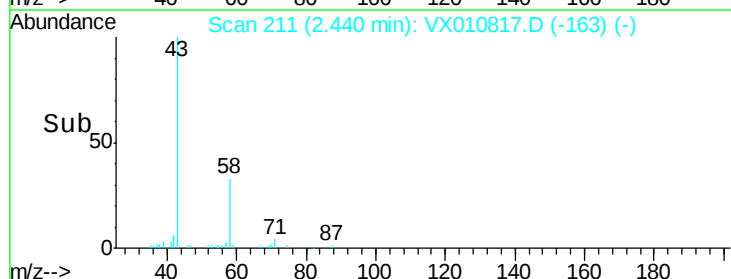
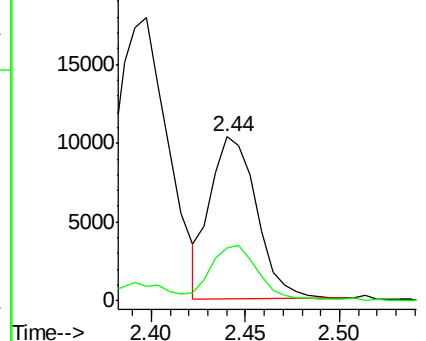
43 100

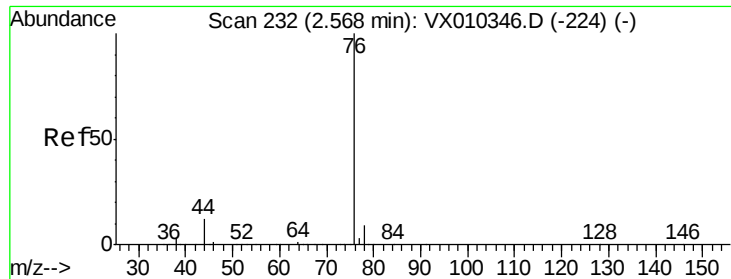
58 32.3 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





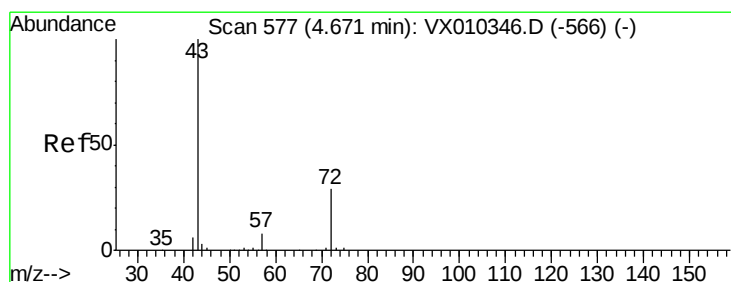
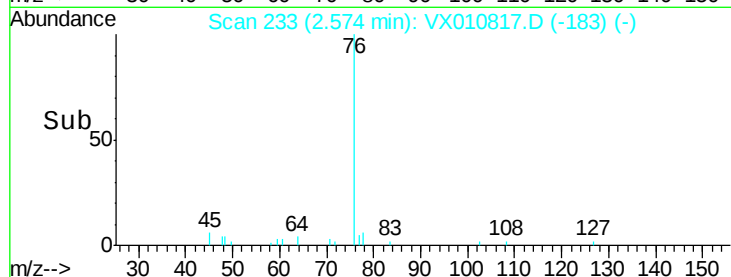
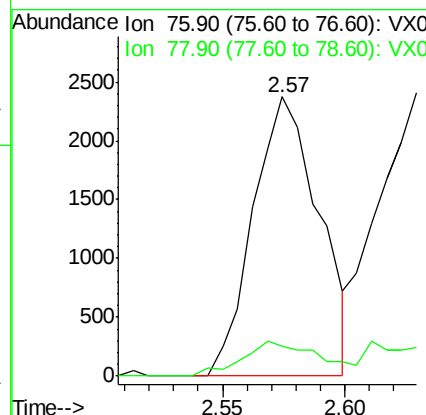
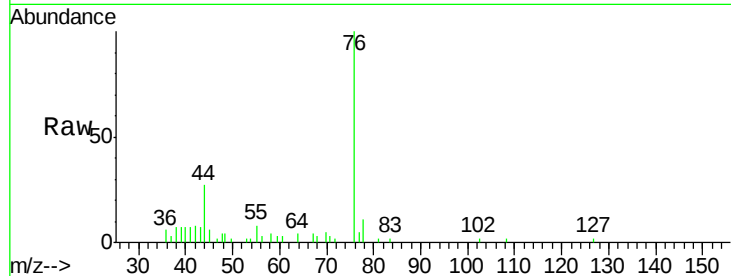
#17
Carbon Disulfide
Concen: 0.842 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tot Ion: 76 Resp: 4448
Ion Ratio Lower Upper
76 100
78 10.7 7.3 10.9

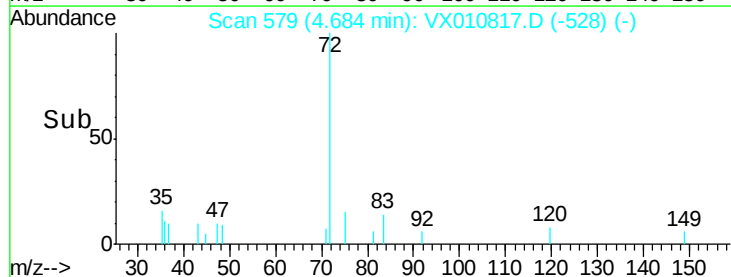
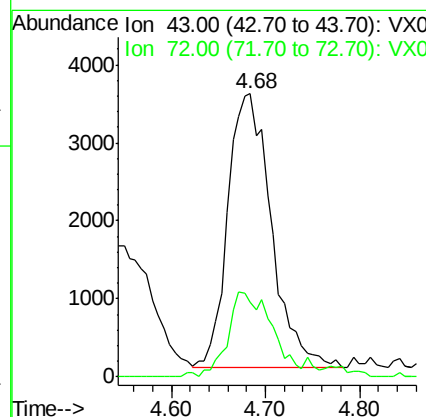
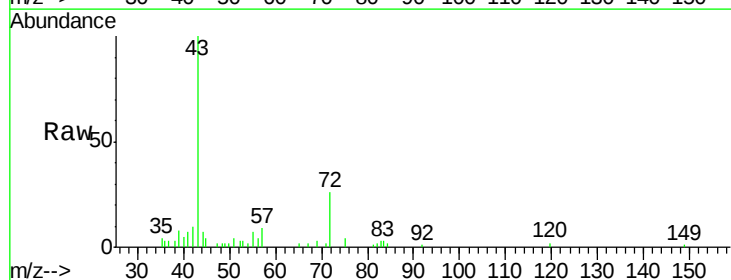
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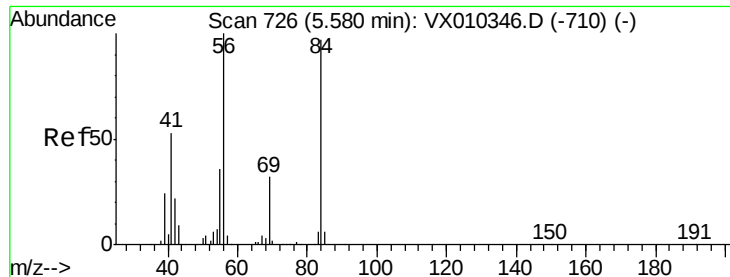
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#25
2-Butanone
Concen: 7.230 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Tgt Ion: 43 Resp: 11323
Ion Ratio Lower Upper
43 100
72 25.4 23.3 34.9





#31

Cyclohexane

Concen: 50.927 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010817.D

Acq: 11 Jul 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tot Ion: 56 Resp: 156719

Ion Ratio Lower Upper

56 100

69 22.5 25.9 38.9#

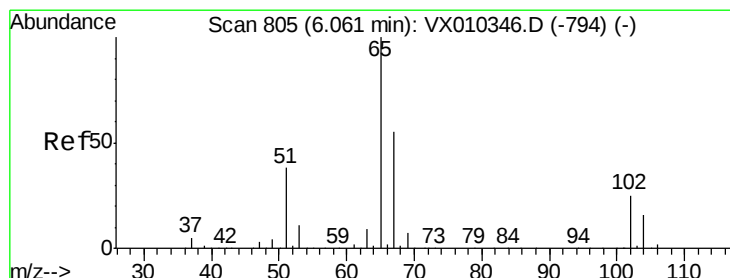
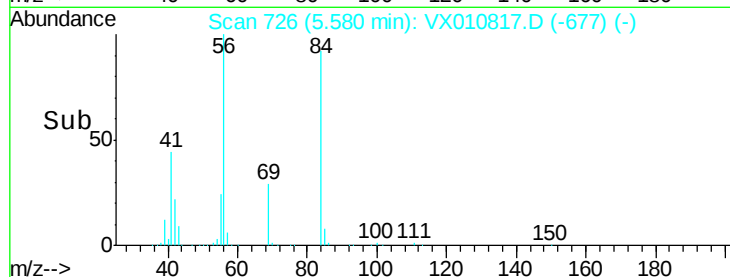
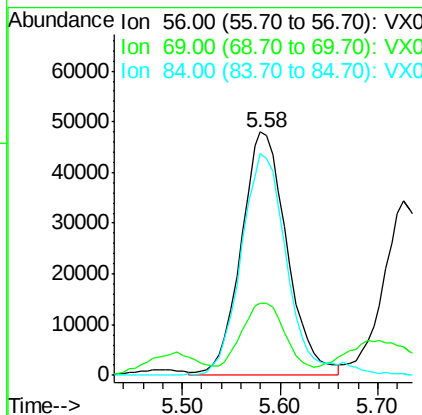
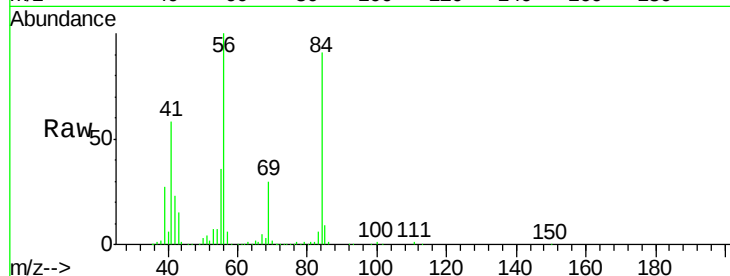
84 91.8 78.0 117.0

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#33

1,2-Dichloroethane-d4

Concen: 53.526 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010817.D

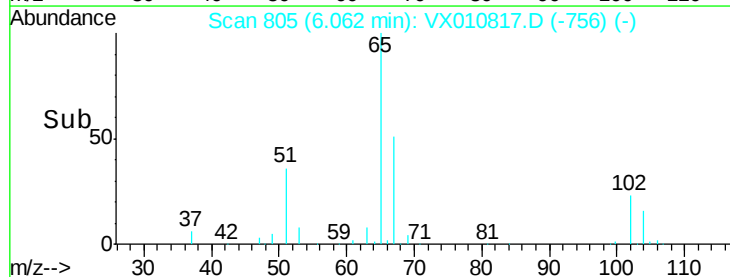
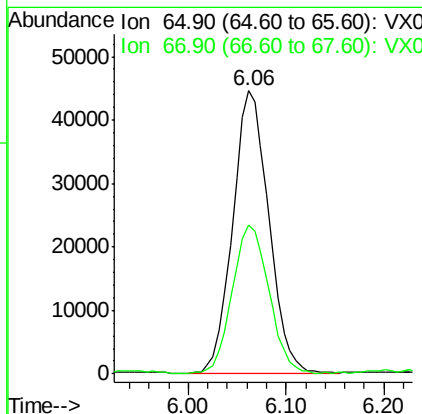
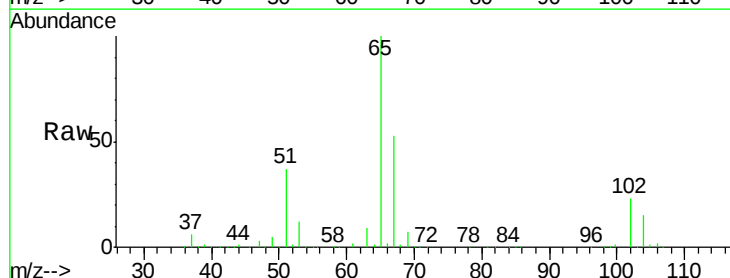
Acq: 11 Jul 2019 19:07

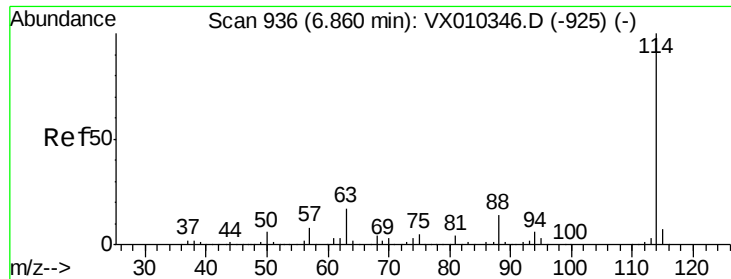
Tgt Ion: 65 Resp: 114034

Ion Ratio Lower Upper

65 100

67 53.3 0.0 110.2





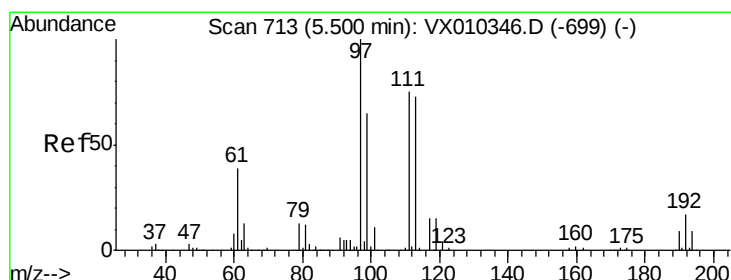
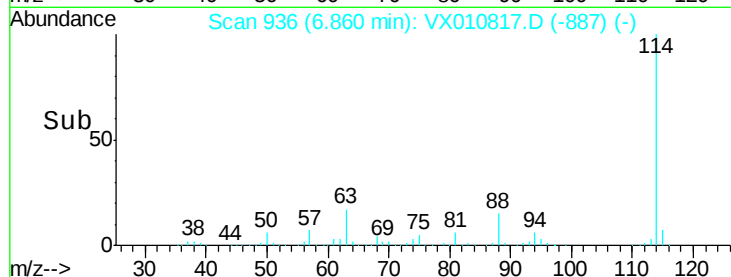
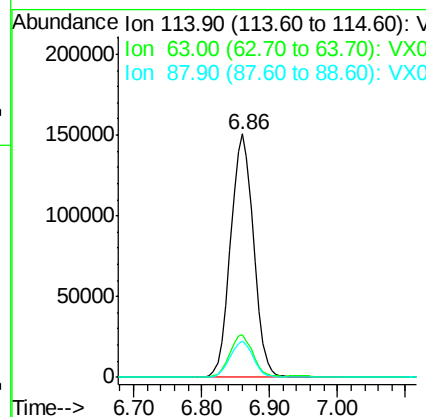
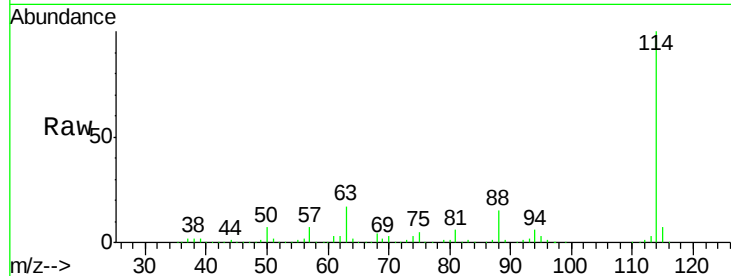
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010817.D
 Acq: 11 Jul 2019 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	17.3	0.0	33.8
88	14.6	0.0	27.6

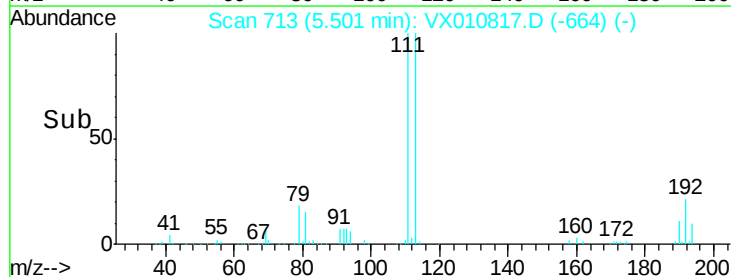
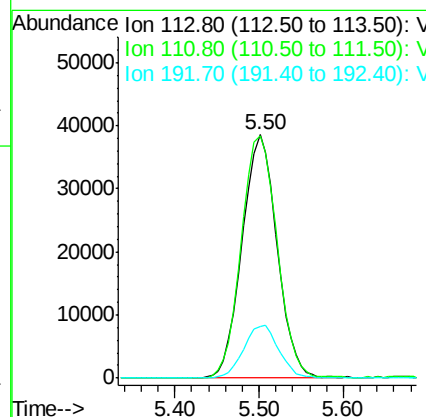
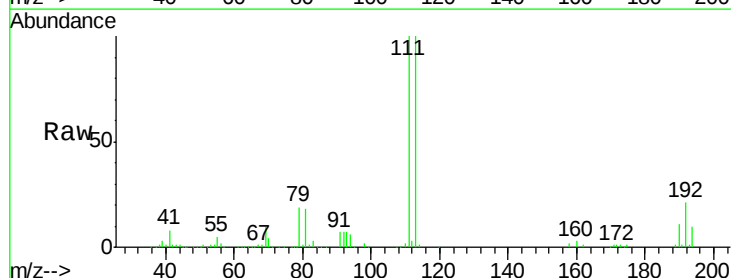
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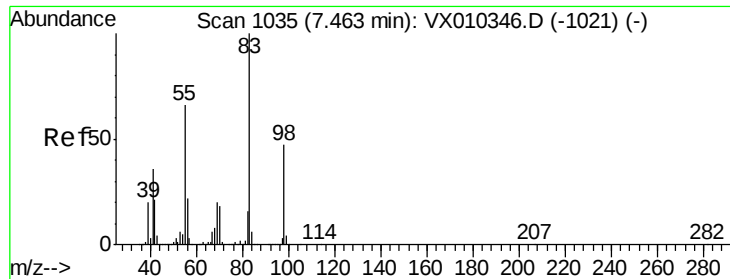
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#35
 Dibromofluoromethane
 Concen: 50.172 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010817.D
 Acq: 11 Jul 2019 19:07

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.8	81.2	121.8
192	21.9	18.6	27.8





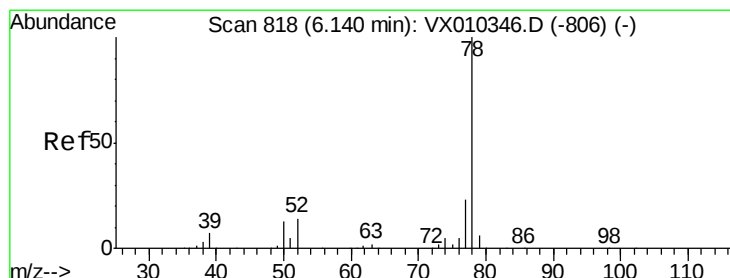
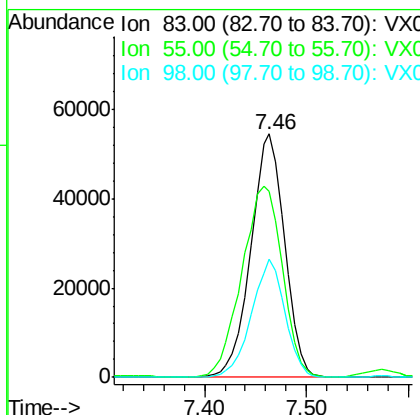
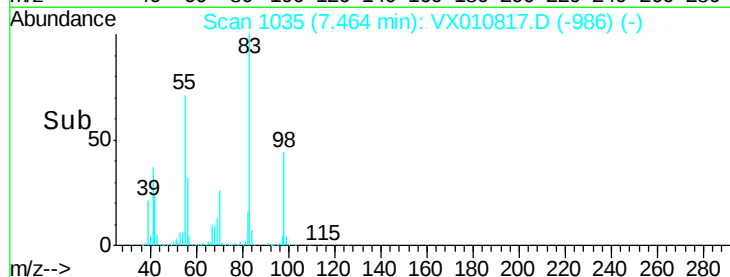
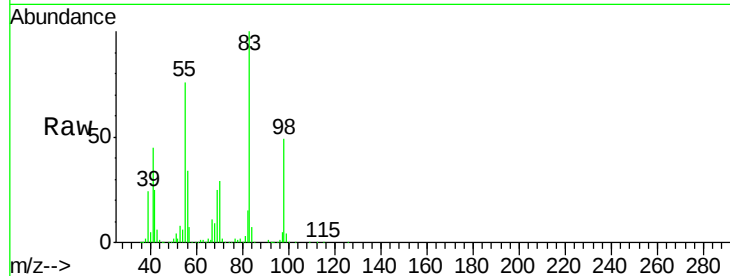
#39
Methvlcvclohexane
Concen: 34.185 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tot Ion	83	Resp	125712
Ion Ratio	Lower	Upper	
83	100		
55	76.0	53.0	79.6
98	48.7	37.8	56.8

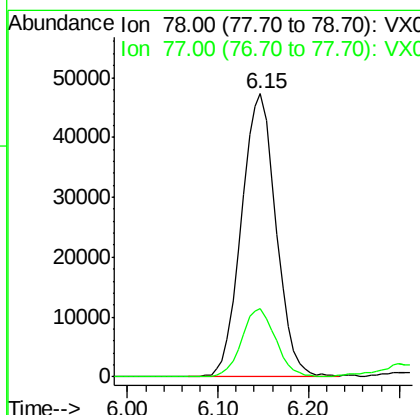
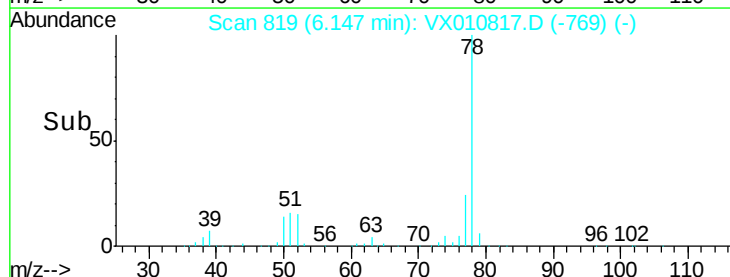
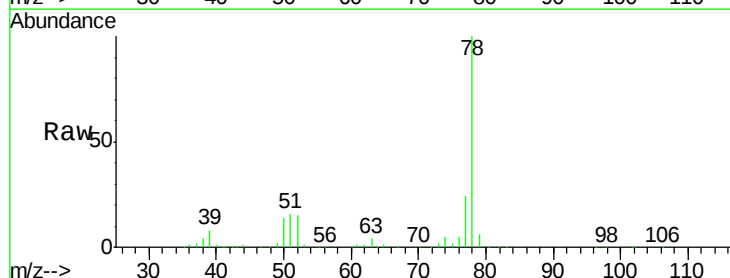
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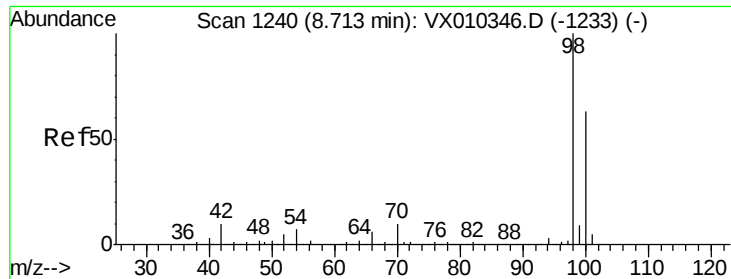
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#40
Benzene
Concen: 14.315 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Tgt Ion	78	Resp	124768
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.6	28.0





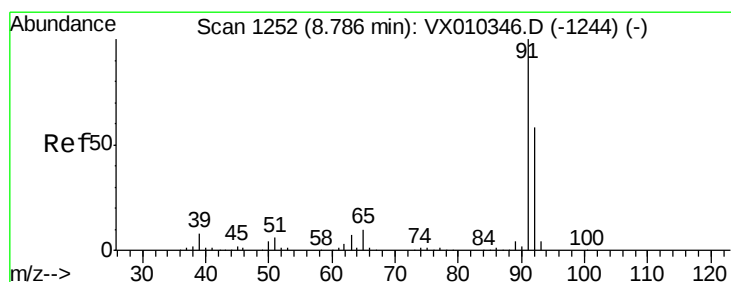
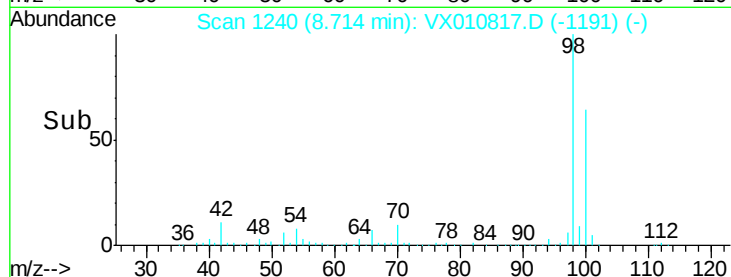
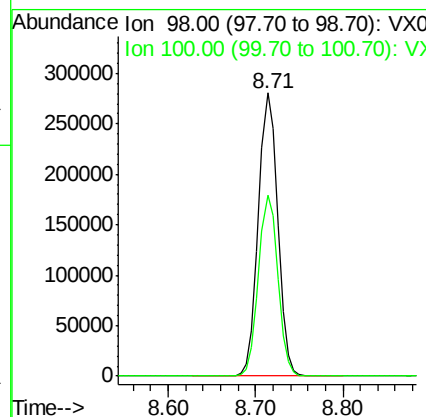
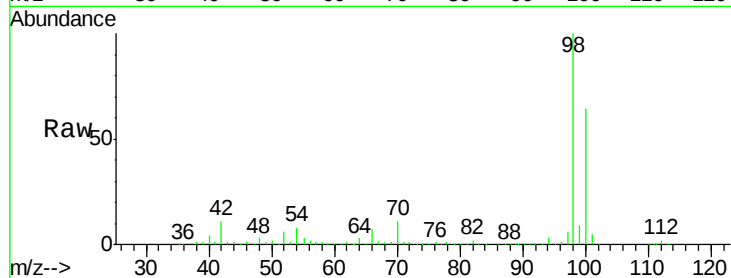
#50
Toluene-d8
Concen: 52.492 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tot Ion: 98 Resp: 432581
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

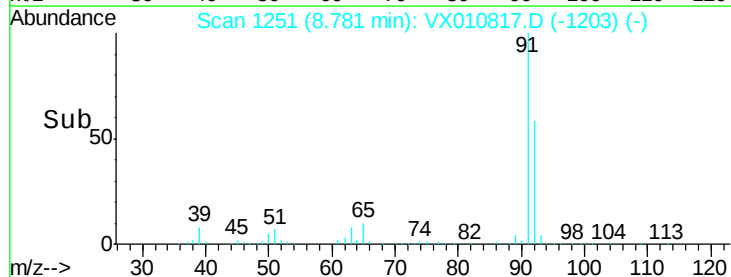
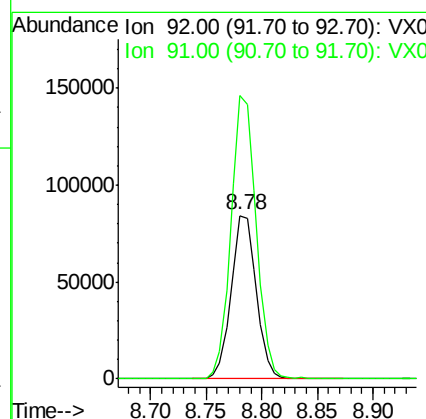
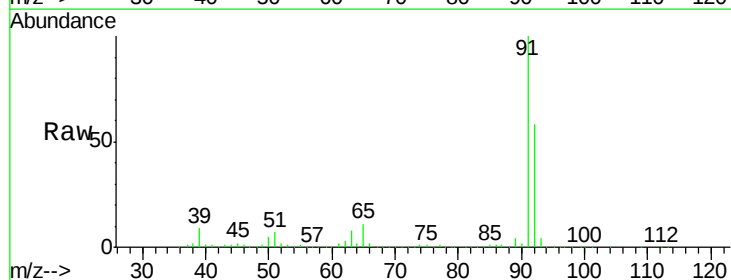
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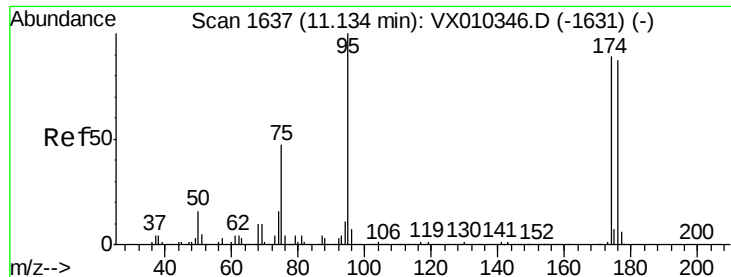
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#52
Toluene
Concen: 23.025 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Tgt Ion: 92 Resp: 132159
Ion Ratio Lower Upper
92 100
91 172.8 139.8 209.6





#62

4-Bromofluorobenzene

Concen: 53.682 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010817.D

Acq: 11 Jul 2019 19:07

Instrument :

MSVOA_X

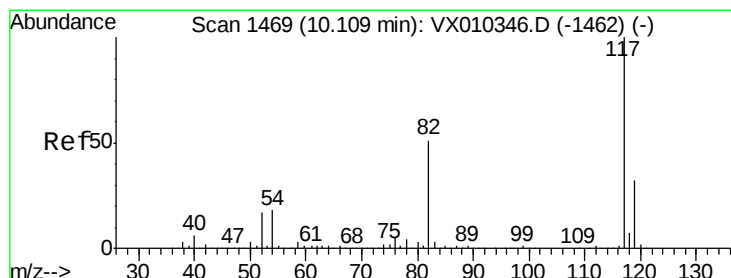
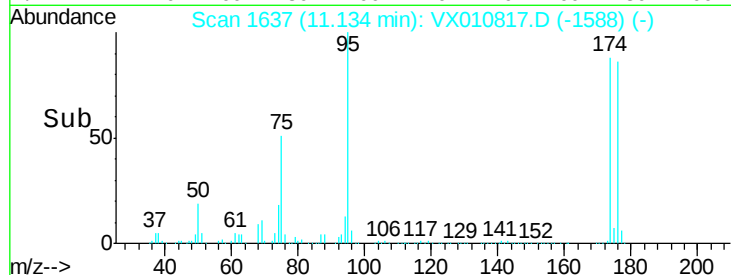
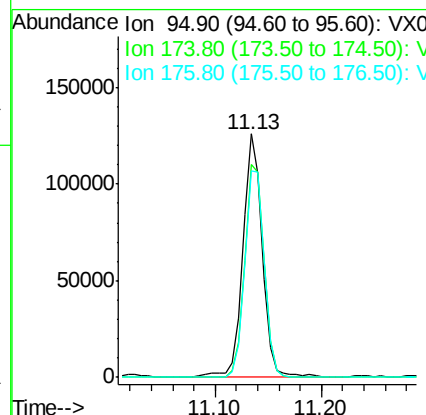
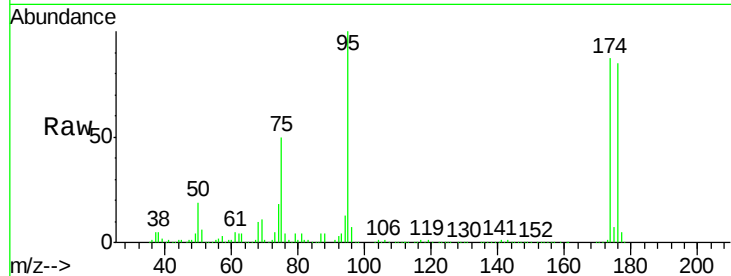
ClientSampleId :

MW-4

Tot Ion:	95	Resp:	159712
Ion Ratio	Lower	Upper	
95	100		
174	88.0	0.0	187.6
176	86.5	0.0	184.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

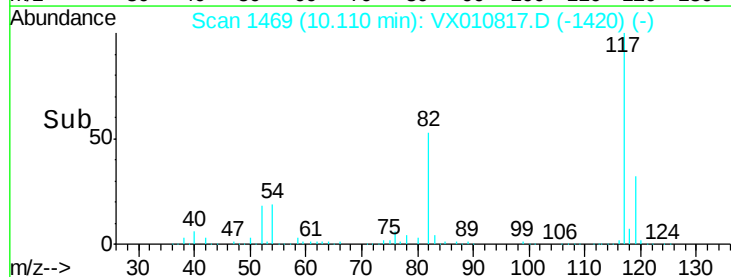
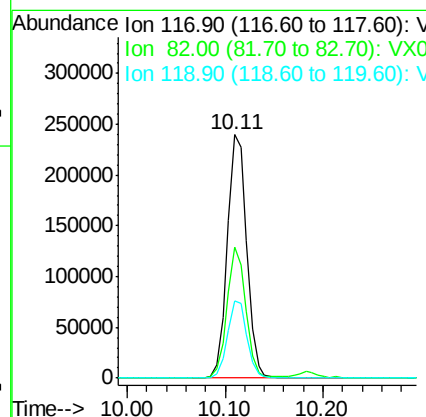
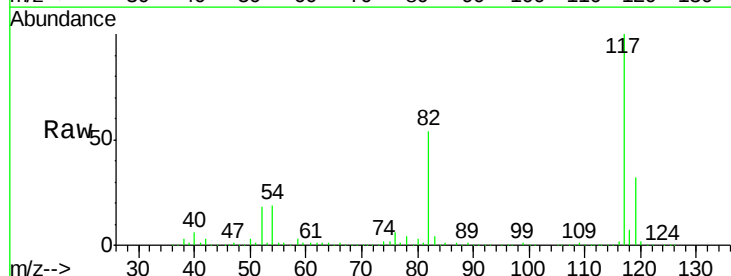
RT: 10.11 min Scan# 1469

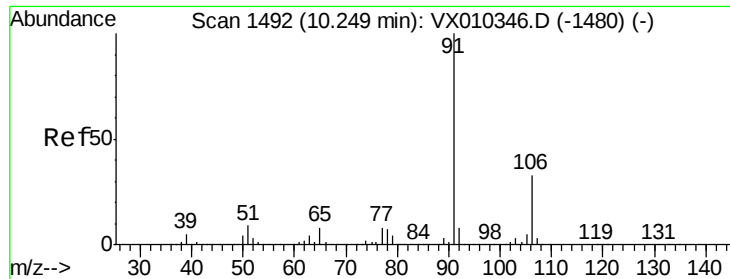
Delta R.T. 0.00 min

Lab File: VX010817.D

Acq: 11 Jul 2019 19:07

Tgt Ion:	117	Resp:	330288
Ion Ratio	Lower	Upper	
117	100		
82	53.6	41.2	61.8
119	32.0	25.5	38.3





#67

Ethyl Benzene

Concen: 34.882 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010817.D

Acq: 11 Jul 2019 19:07

Instrument :

MSVOA_X

ClientSampled :

MW-4

Tot Ion: 91 Resp: 394874

Ion Ratio Lower Upper

91 100

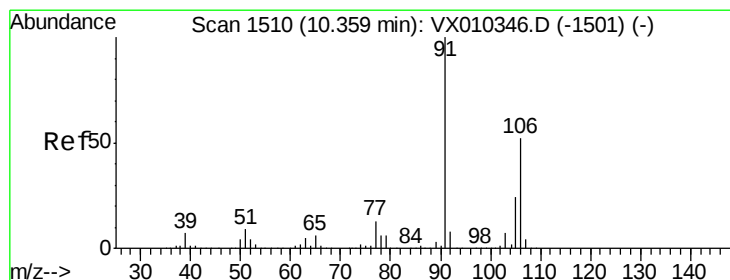
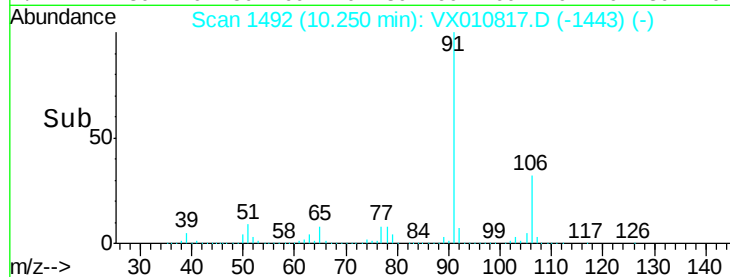
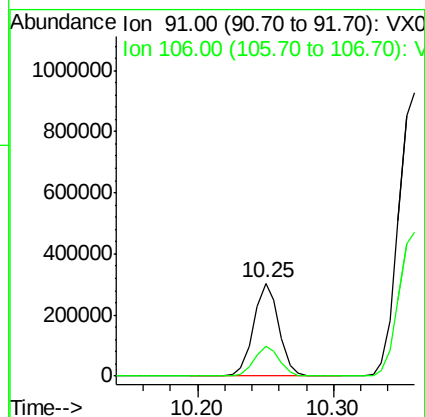
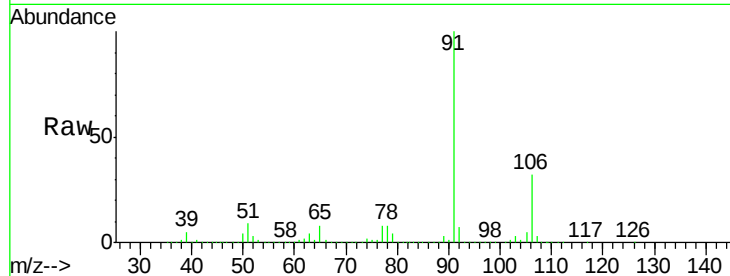
106 31.6 26.2 39.2

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#68

m/p-Xylenes

Concen: 145.476 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010817.D

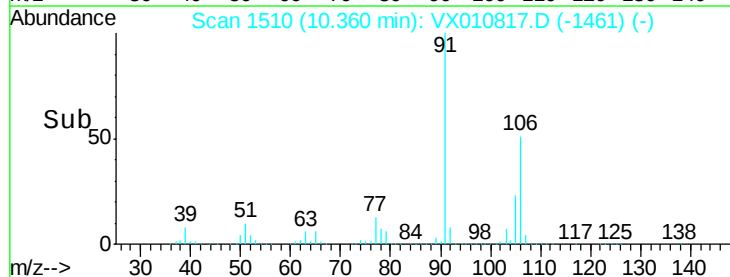
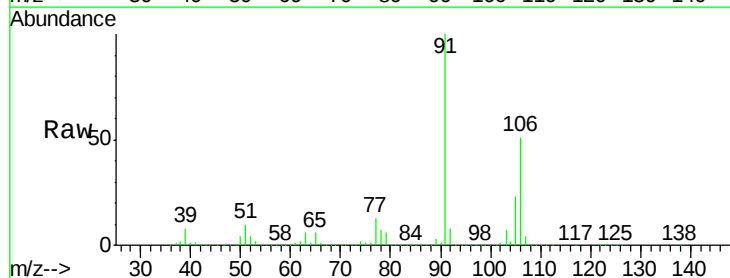
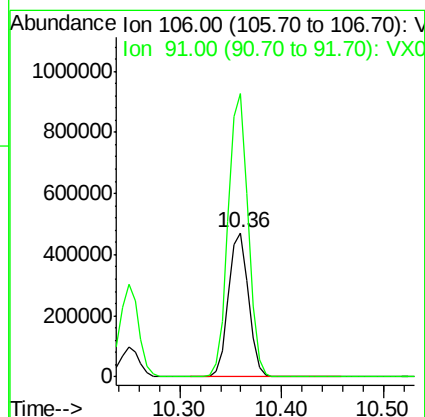
Acq: 11 Jul 2019 19:07

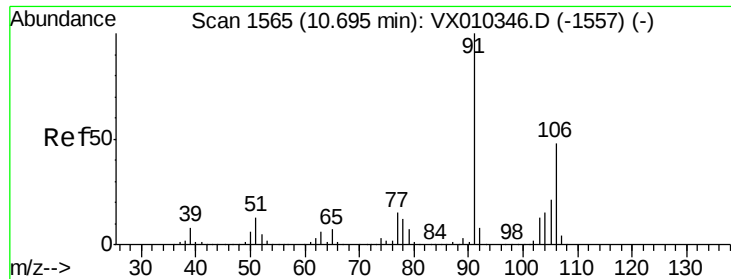
Tgt Ion: 106 Resp: 638109

Ion Ratio Lower Upper

106 100

91 196.3 155.3 232.9





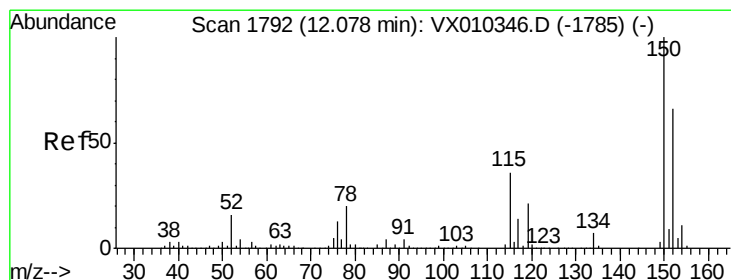
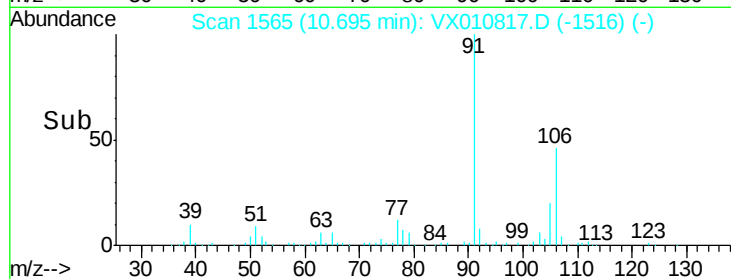
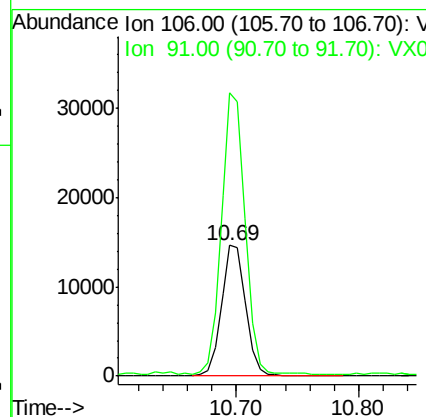
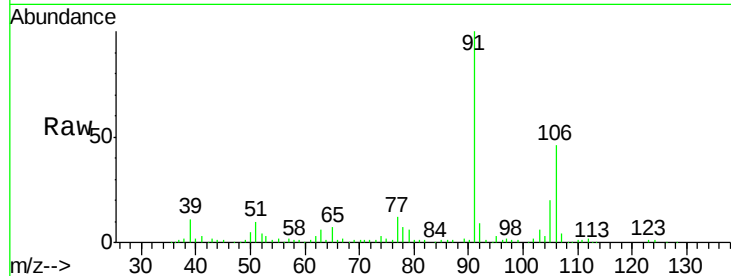
#69
o-Xylene
Concen: 4.709 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tot Ion:106 Resp: 20313
Ion Ratio Lower Upper
106 100
91 211.3 102.7 308.1

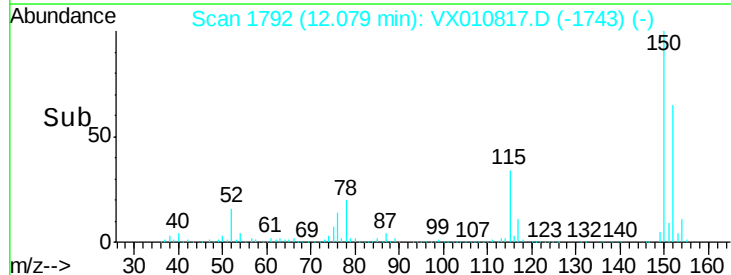
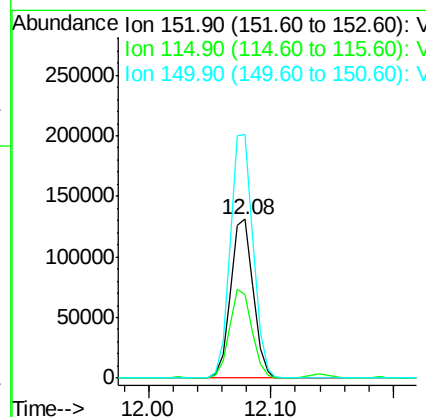
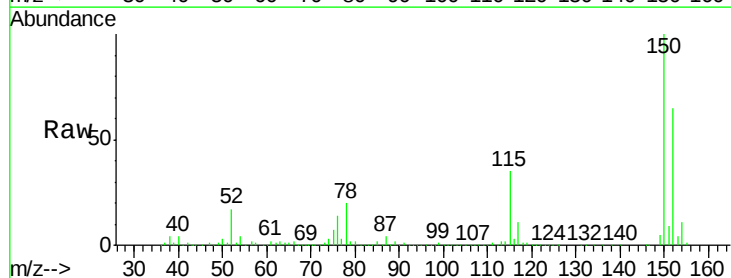
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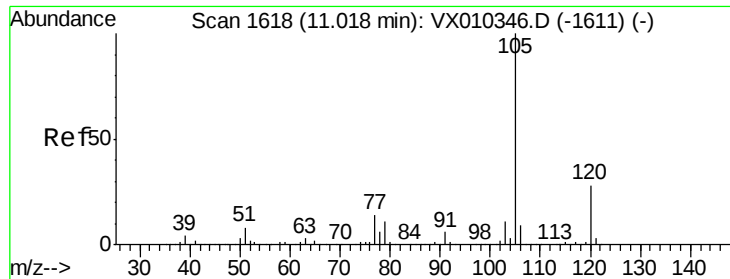
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Tgt Ion:152 Resp: 165864
Ion Ratio Lower Upper
152 100
115 55.4 38.6 115.7
150 155.6 0.0 347.4





#73

Isopropylbenzene

Concen: 108.022 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010817.D

Acq: 11 Jul 2019 19:07

Instrument :

MSVOA_X

ClientSampled :

MW-4

Tot Ion:105 Resp: 1214545

Ion Ratio Lower Upper

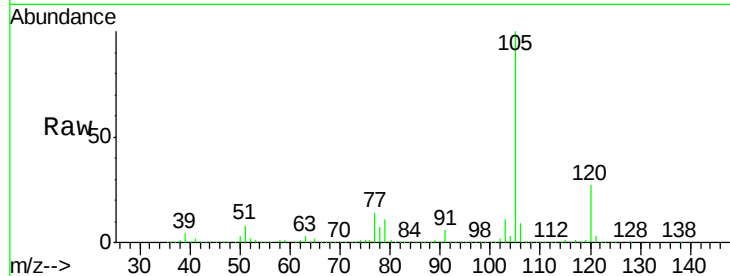
105 100

120 27.3 14.1 42.4

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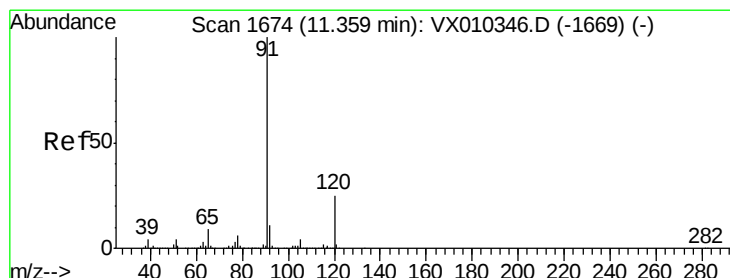
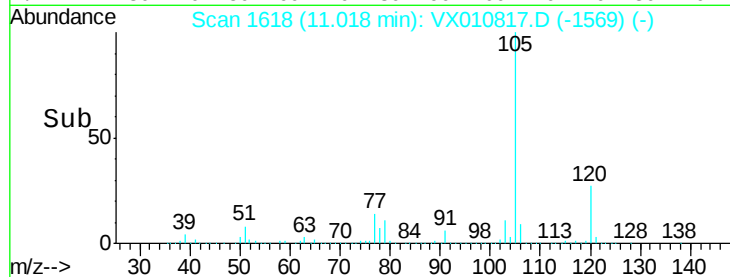
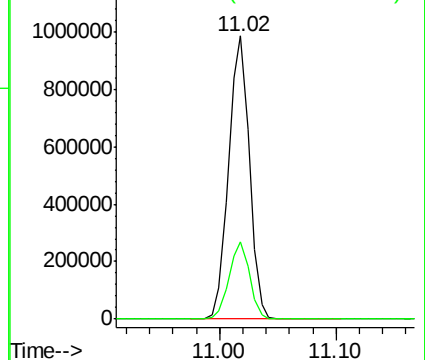
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 107.859 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010817.D

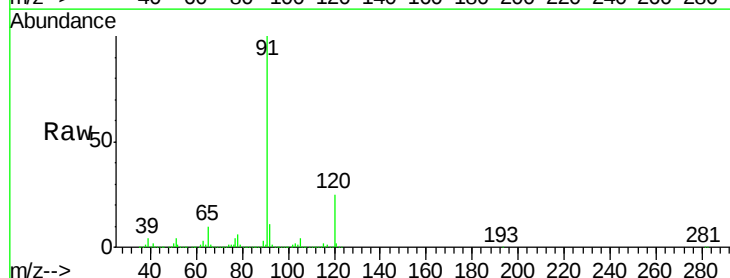
Acq: 11 Jul 2019 19:07

Tgt Ion: 91 Resp: 1332825

Ion Ratio Lower Upper

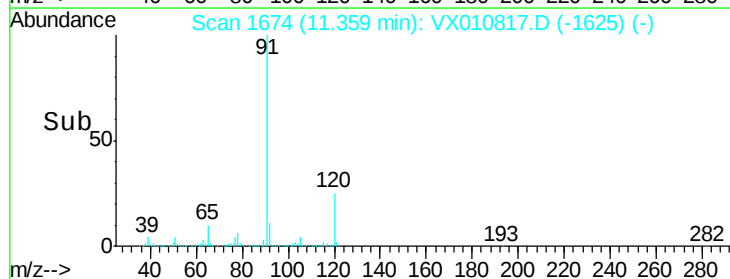
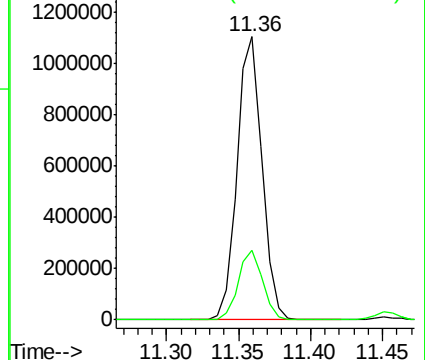
91 100

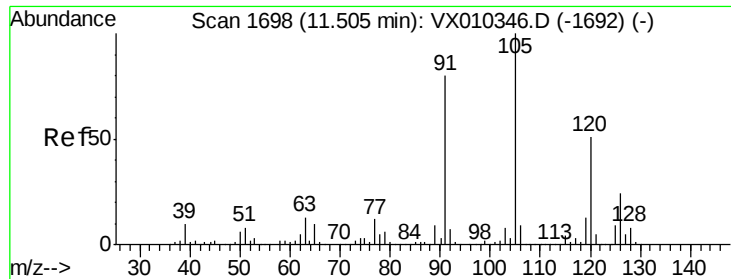
120 24.1 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 31.569 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010817.D

Acq: 11 Jul 2019 19:07

Instrument :

MSVOA_X

ClientSampled :

MW-4

Tot Ion:105 Resp: 292610

Ion Ratio Lower Upper

105 100

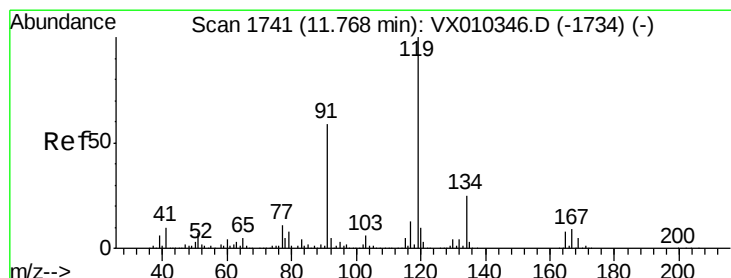
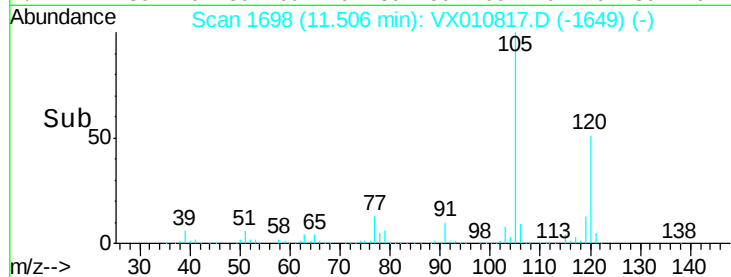
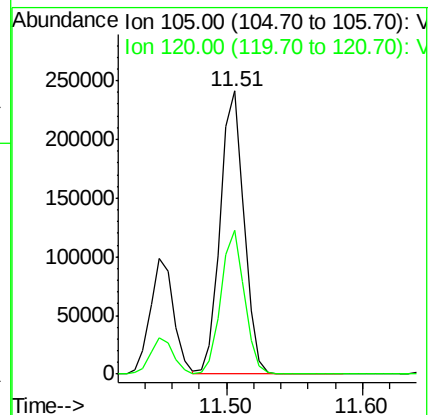
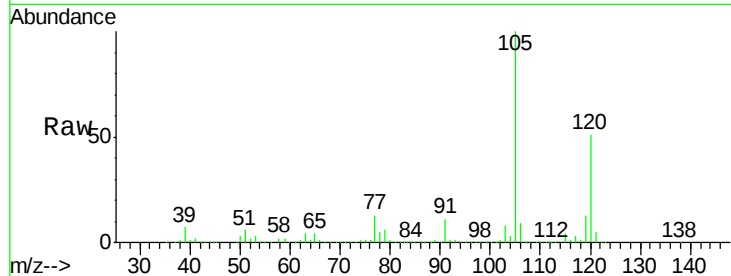
120 50.0 25.2 75.6

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#83

tert-Butylbenzene

Concen: 1.457 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010817.D

Acq: 11 Jul 2019 19:07

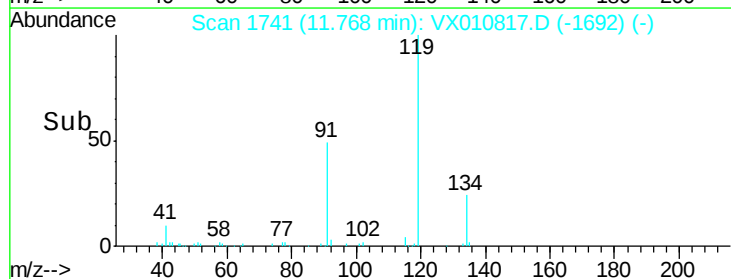
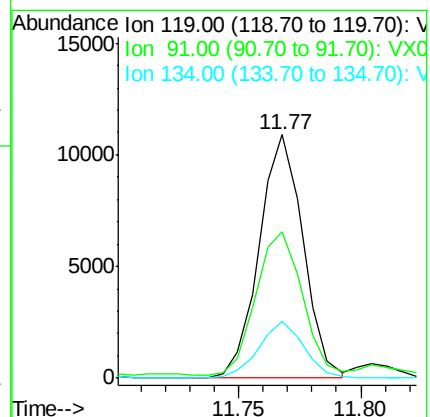
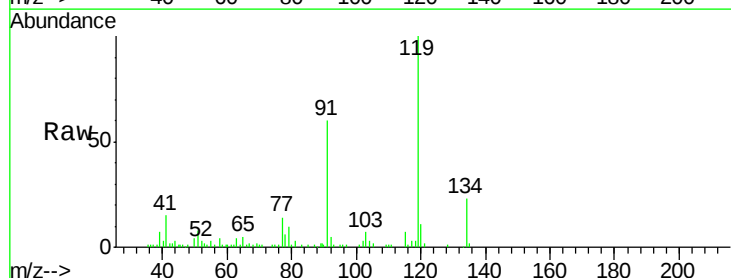
Tgt Ion:119 Resp: 13556

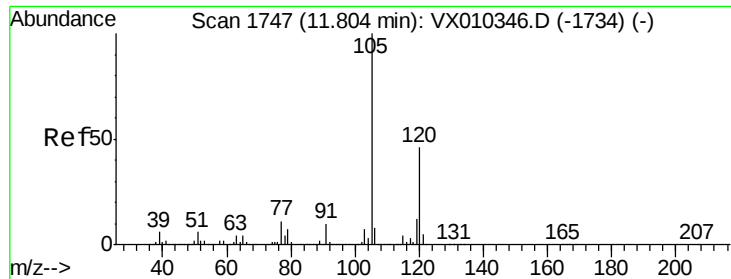
Ion Ratio Lower Upper

119 100

91 62.3 27.6 82.7

134 23.9 11.8 35.4





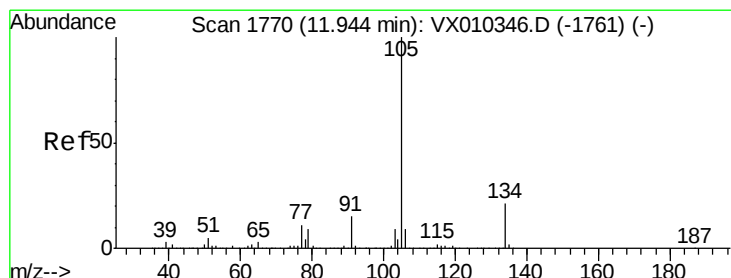
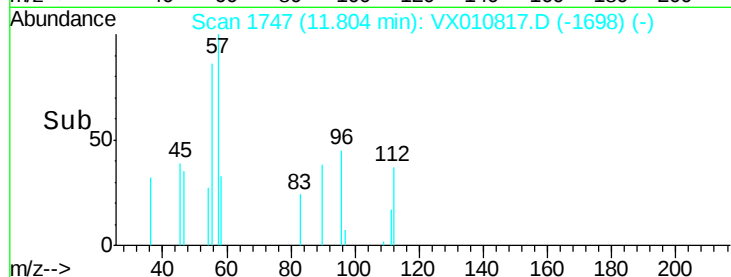
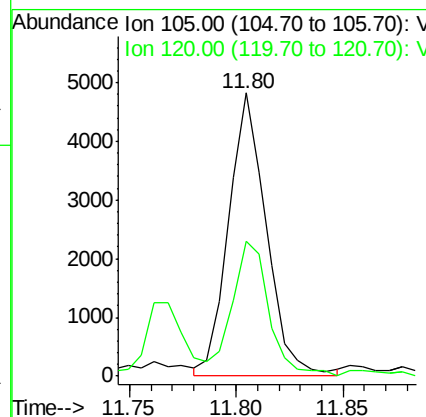
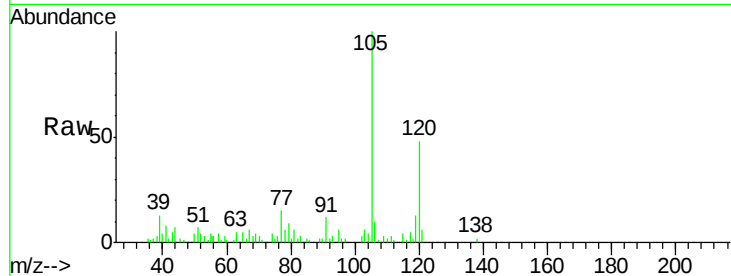
#84
 1,2,4-Trimethylbenzene
 Concen: 0.638 ug/l m
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010817.D
 Acq: 11 Jul 2019 19:07

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

Tot Ion:105 Resp: 5940
 Ion Ratio Lower Upper
 105 100
 120 1665.6 23.1 69.2

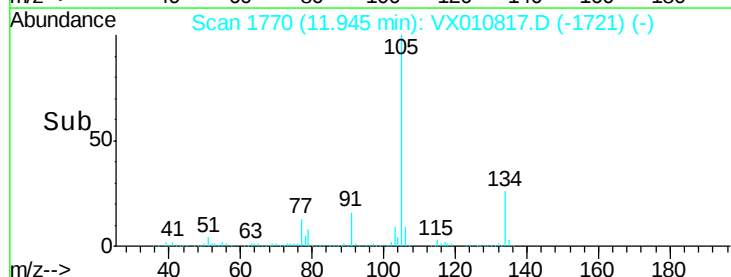
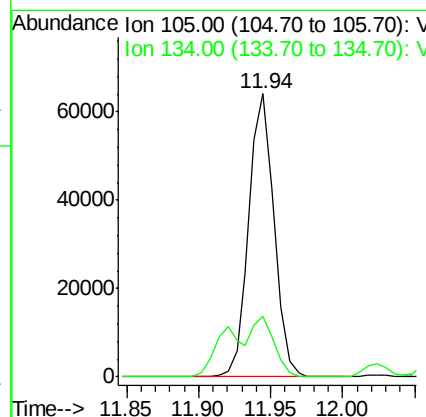
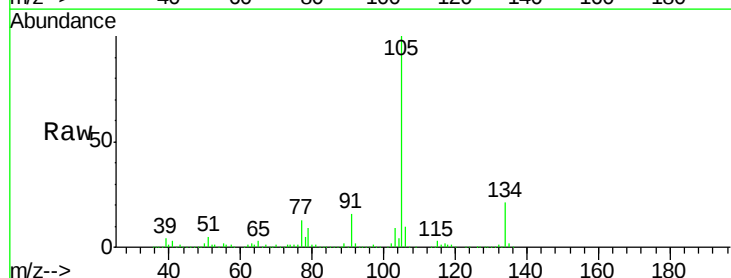
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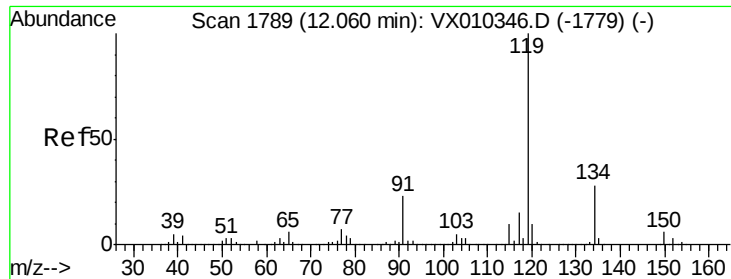
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#85
 sec-Butylbenzene
 Concen: 7.124 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010817.D
 Acq: 11 Jul 2019 19:07

Tgt Ion:105 Resp: 77815
 Ion Ratio Lower Upper
 105 100
 134 18.6 10.7 31.9





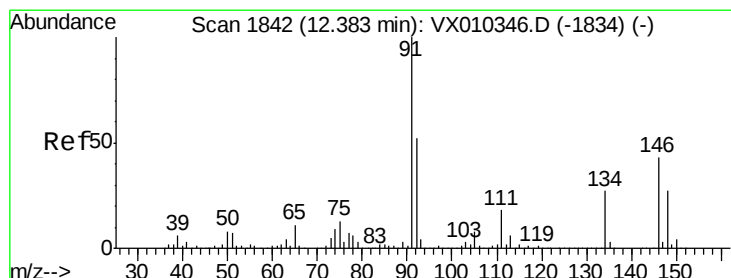
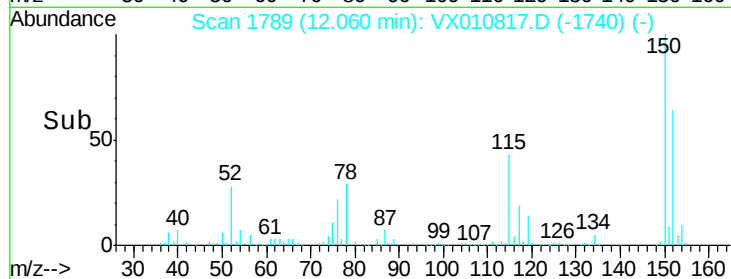
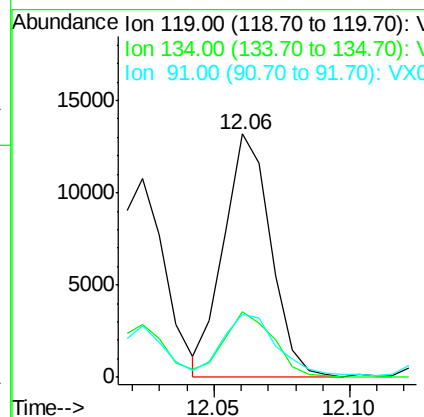
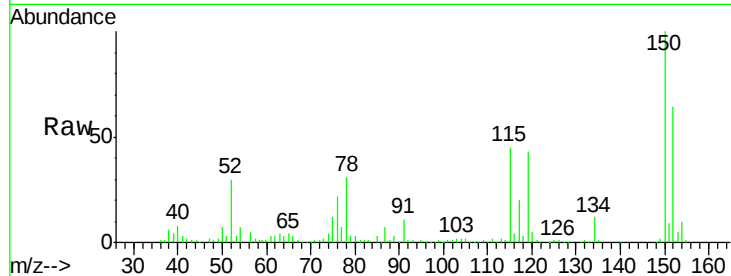
#86
p-Isopropyltoluene
Concen: 1.568 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tot Ion	Ratio	Resp	Lower	Upper
119	100	15839		
134	28.8	13.7	41.1	
91	0.0	11.3	33.8	

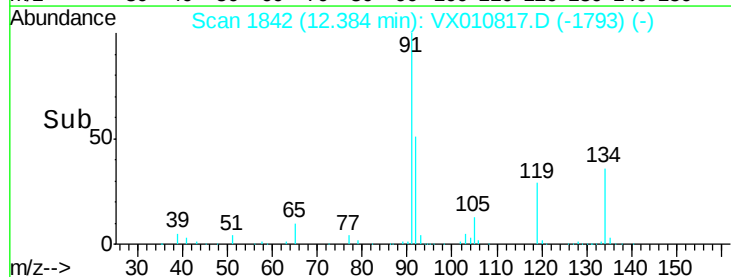
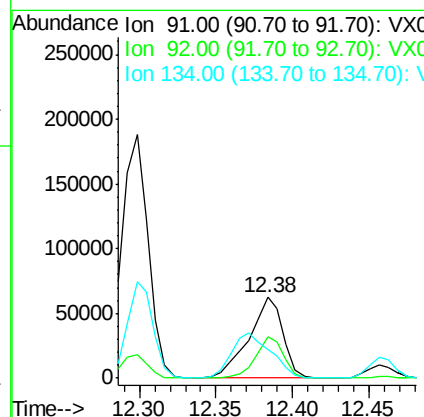
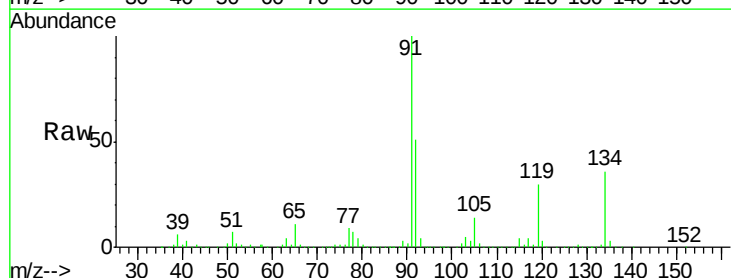
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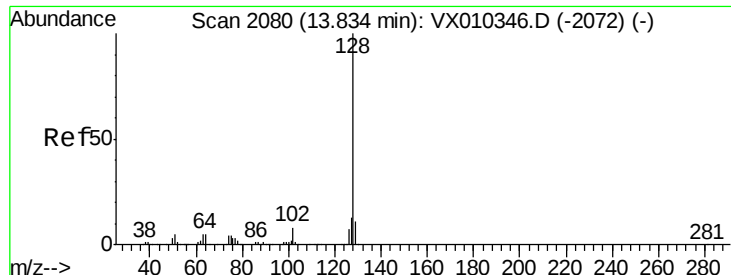
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#89
n-Butylbenzene
Concen: 11.175 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	95940		
92	42.0	26.2	78.5	
134	64.3	14.1	42.4	





#95
Naphthalene
Concen: 9.190 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010817.D
Acq: 11 Jul 2019 19:07

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.6	10.2	15.4
129	12.0	8.9	13.3

Manual Integrations
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