

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010674.D
 Acq On : 04 Jul 2019 07:51
 Operator : JC/SP
 Sample : K3664-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0582

Manual Integrations
 APPROVED

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 7/8/2019 10:58:33 AM

Quant Time: Jul 05 02:22:48 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	5.66	168	238027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367152	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174882	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	116361	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
35) Dibromofluoromethane	5.50	113	110886	49.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.72%	
50) Toluene-d8	8.71	98	442388	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.13	95	158029	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.86%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	5774	5.162	ug/l	98
31) Cyclohexane	5.59	56	654610	203.067	ug/l	98
39) Methylcyclohexane	7.46	83	1014877	264.629	ug/l	96
40) Benzene	6.15	78	603771	66.424	ug/l	100
67) Ethyl Benzene	10.25	91	2845952	244.197	ug/l	99
68) m/p-Xylenes	10.35	106	426066	94.351	ug/l	99
69) o-Xylene	10.69	106	3300	0.743	ug/l	97
73) Isopropylbenzene	11.02	105	909598	76.728	ug/l	98
78) n-propylbenzene	11.36	91	1501019	115.206	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	288132	29.483	ug/l	98
83) tert-Butylbenzene	11.77	119	16848m	1.718	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	4967675	505.940	ug/l	99
85) sec-Butylbenzene	11.94	105	203460	17.666	ug/l	85
86) p-Isopropyltoluene	12.06	119	79655	7.477	ug/l	98
89) n-Butylbenzene	12.38	91	96628m	10.674	ug/l	
95) Naphthalene	13.83	128	1040308	85.003	ug/l	100

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

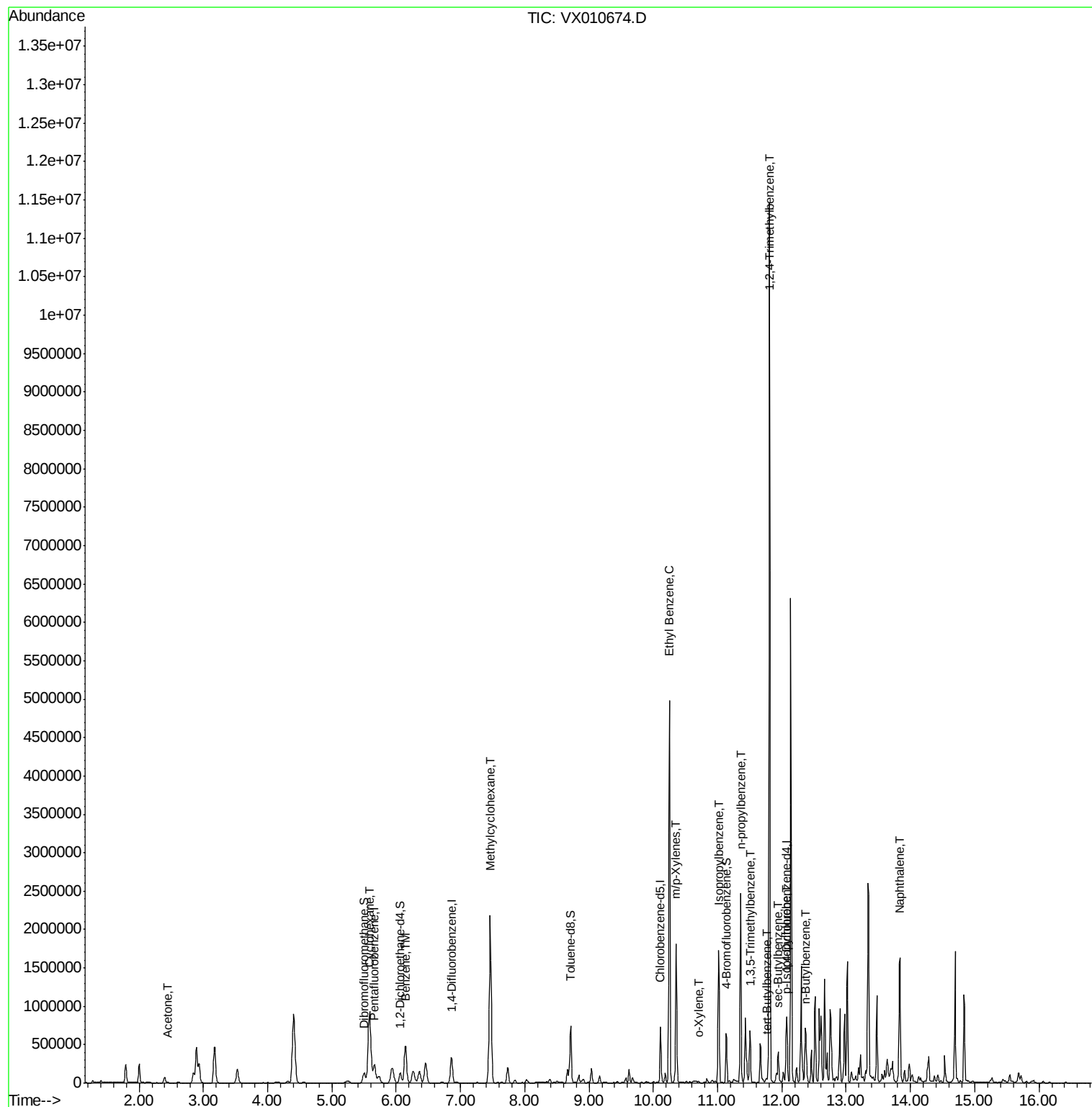
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070319\
Data File : VX010674.D
Acq On : 04 Jul 2019 07:51
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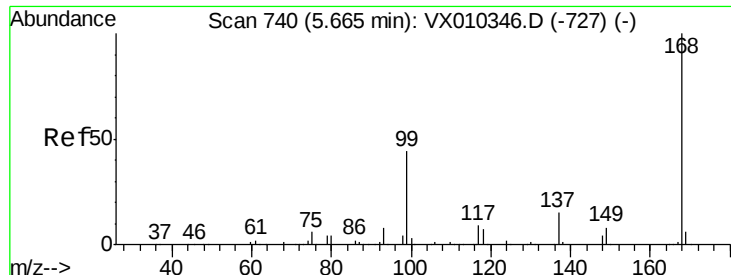
Instrument :
MSVOA_X
ClientSampleId :
FL-0582

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Quant Time: Jul 05 02:22:48 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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010674.D

Acq: 04 Jul 2019 07:51

Instrument :

MSVOA_X

ClientSampled :

FL-0582

Tot Ion:168 Resp: 238027

Ion Ratio Lower Upper

168 100

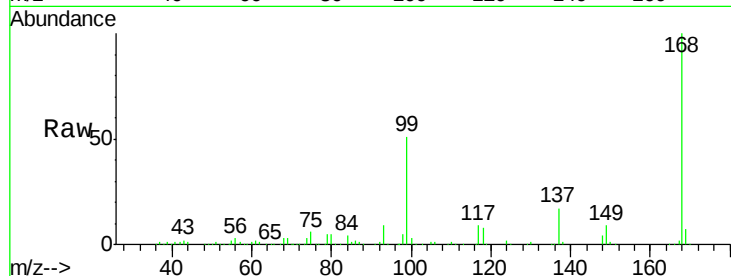
99 50.7 35.5 53.3

Manual Integrations

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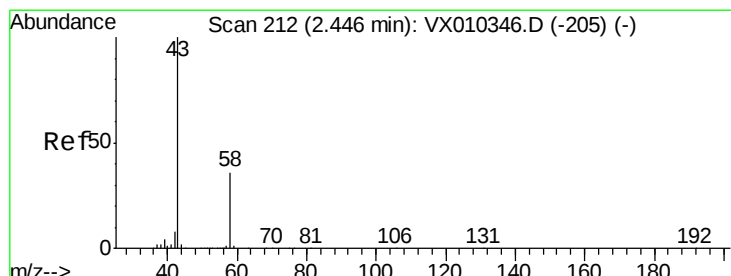
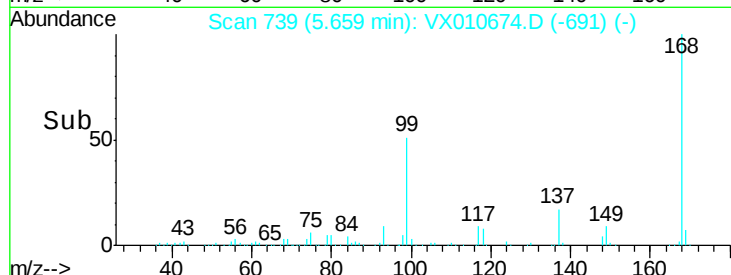
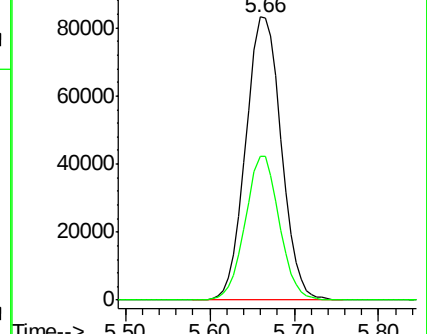
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.162 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010674.D

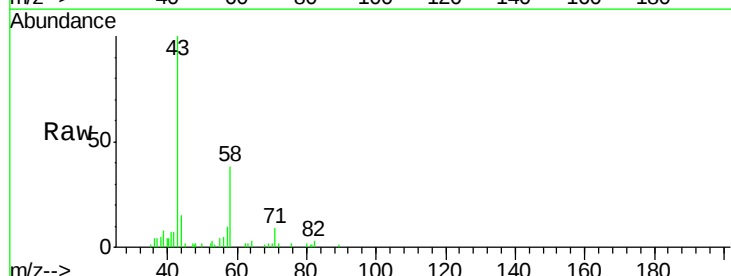
Acq: 04 Jul 2019 07:51

Tgt Ion: 43 Resp: 5774

Ion Ratio Lower Upper

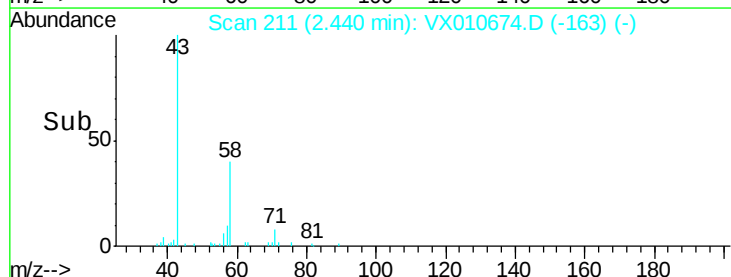
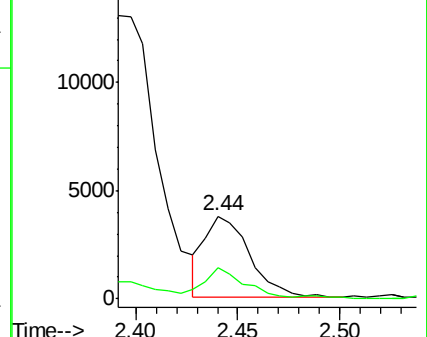
43 100

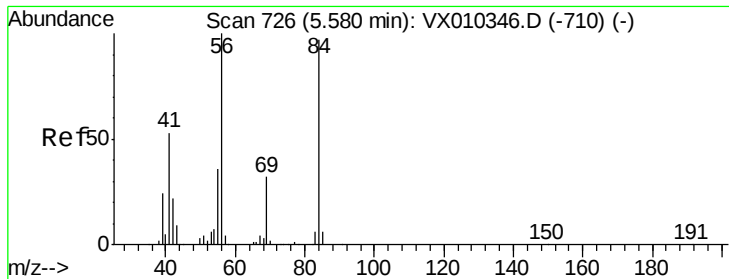
58 37.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





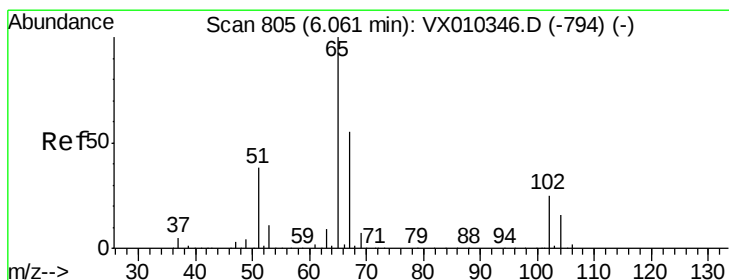
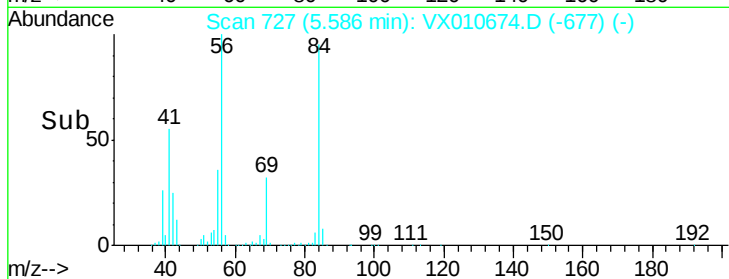
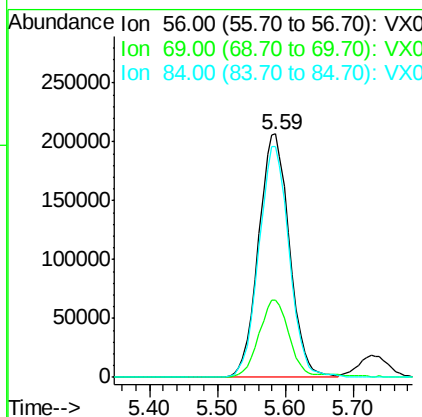
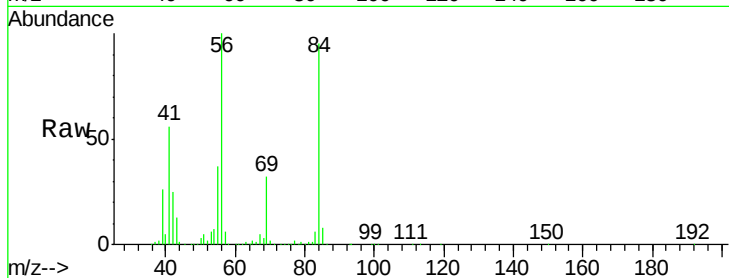
#31
Cyclohexane
Concen: 203.067 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Instrument :
MSVOA_X
ClientSampled :
FL-0582

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.9	38.9
84	95.1	78.0	117.0

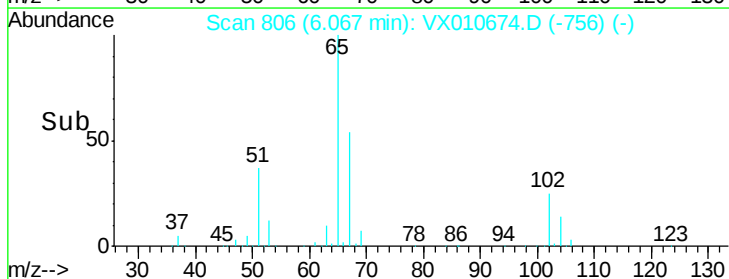
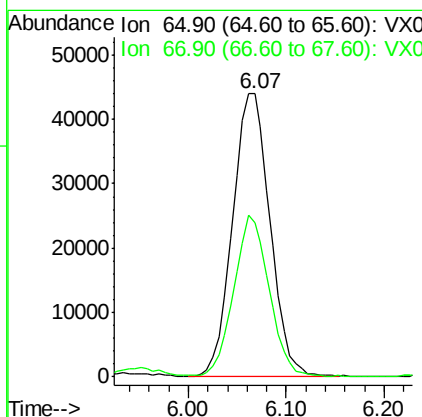
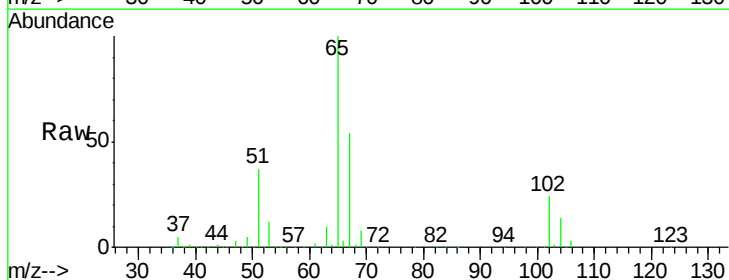
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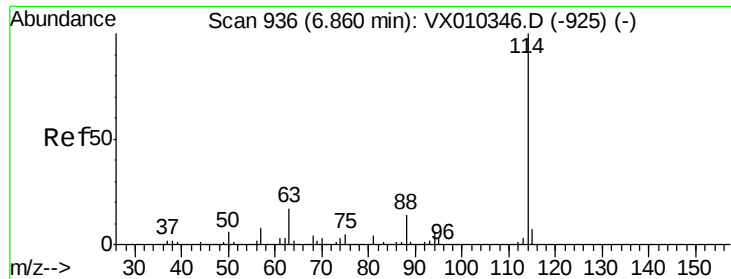
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#33
1,2-Dichloroethane-d4
Concen: 52.139 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.8	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: VX010674.D

Acq: 04 Jul 2019 07:51

Instrument :

MSVOA_X

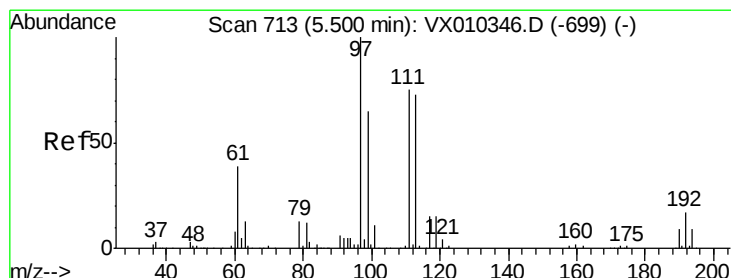
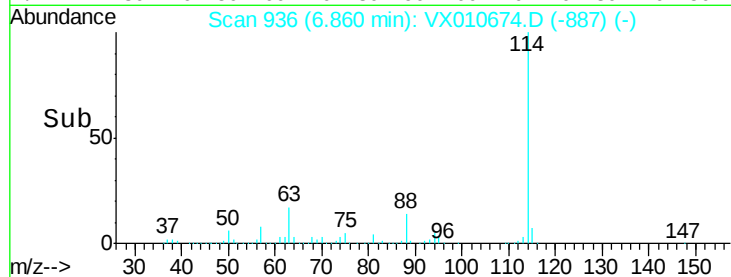
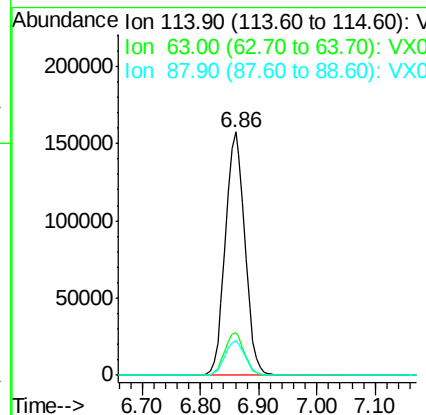
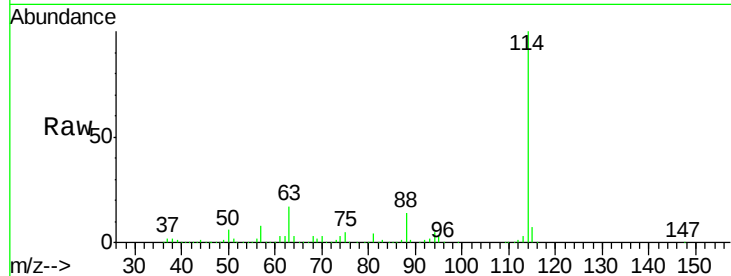
ClientSampleId :

FL-0582

Tot Ion:	114	Resp:	367152
Ion Ratio	Lower	Upper	
114	100		
63	17.5	0.0	33.8
88	14.4	0.0	27.6

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#35

Dibromofluoromethane

Concen: 49.362 ug/l

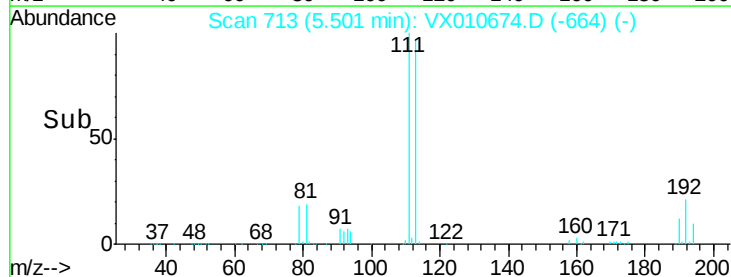
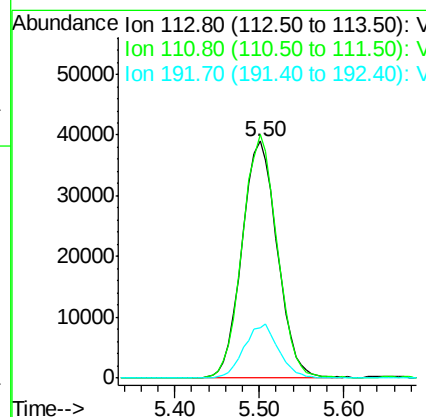
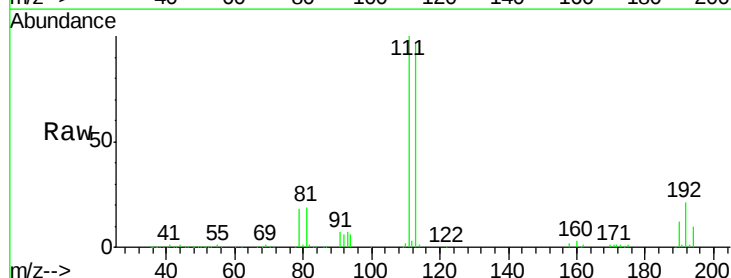
RT: 5.50 min Scan# 713

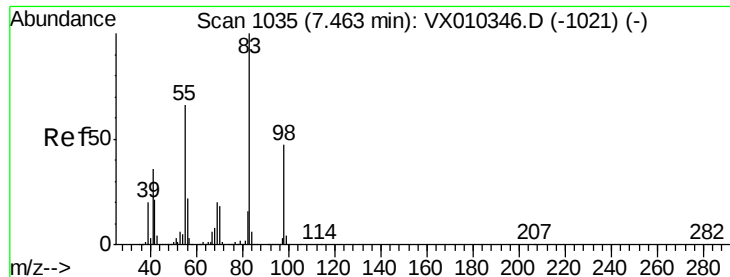
Delta R.T. 0.00 min

Lab File: VX010674.D

Acq: 04 Jul 2019 07:51

Tgt Ion:	113	Resp:	110886
Ion Ratio	Lower	Upper	
113	100		
111	100.9	81.2	121.8
192	22.2	18.6	27.8





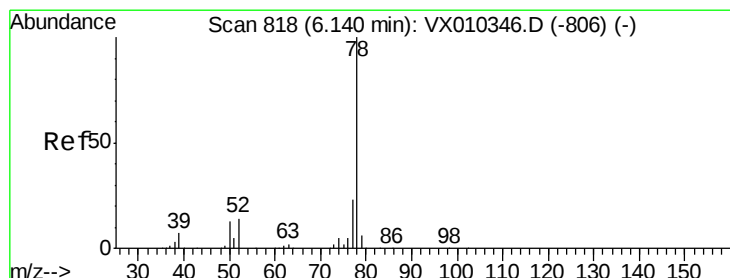
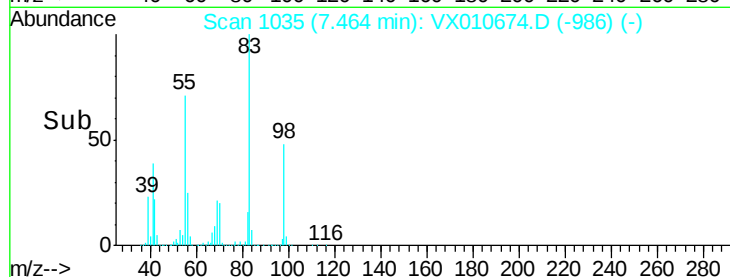
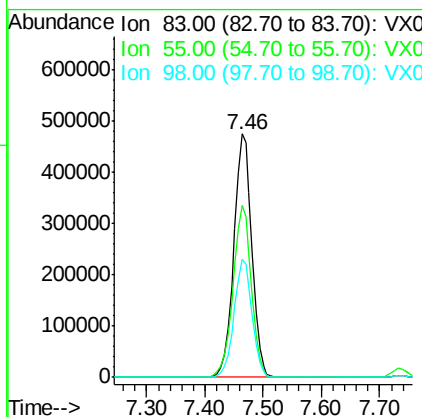
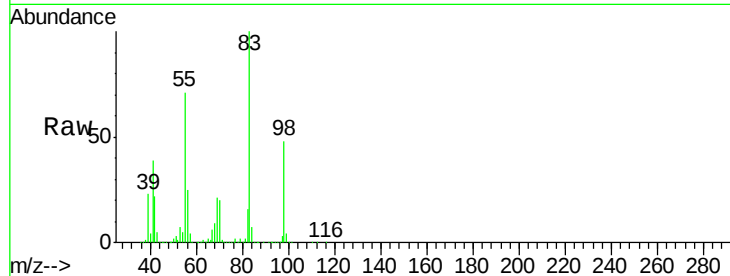
#39
Methvlcvclohexane
Concen: 264.629 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0582

Tot Ion: 83 Resp: 1014877
Ion Ratio Lower Upper
83 100
55 70.7 53.0 79.6
98 48.5 37.8 56.8

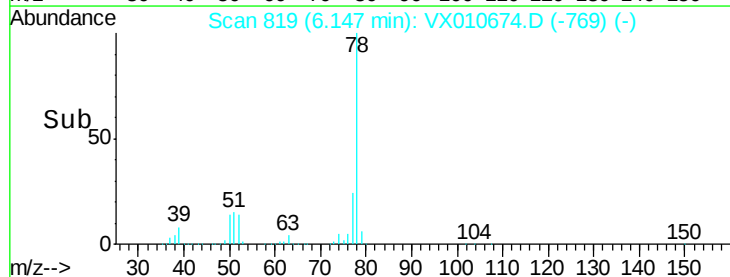
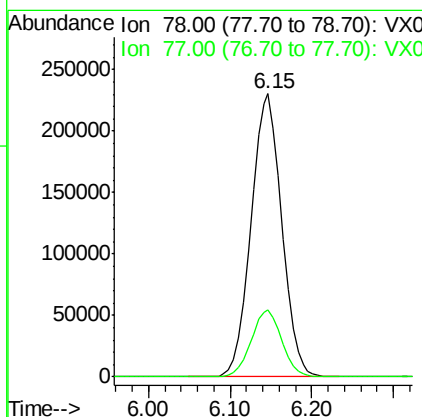
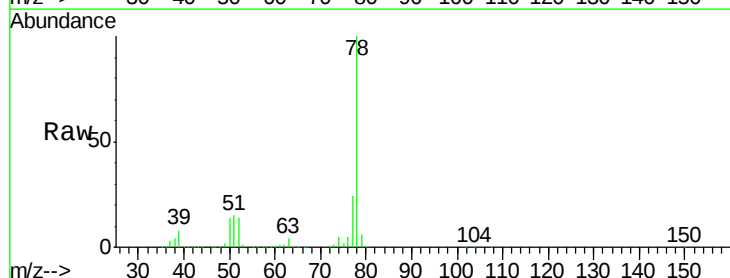
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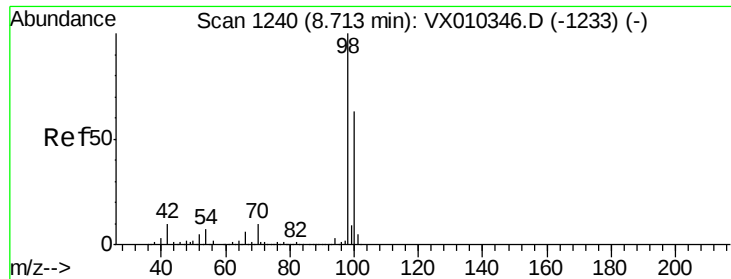
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#40
Benzene
Concen: 66.424 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Tgt Ion: 78 Resp: 603771
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0





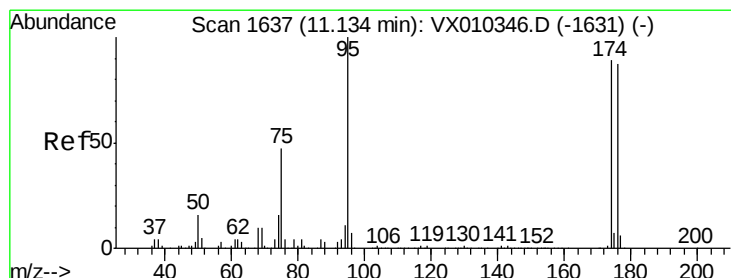
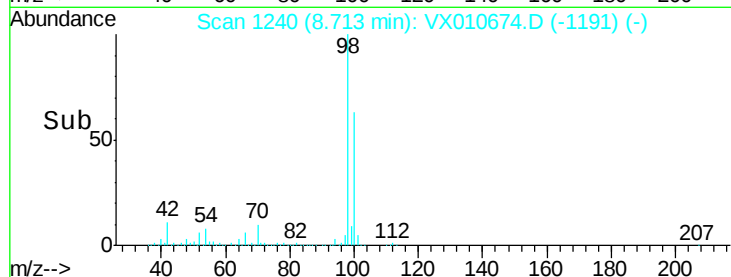
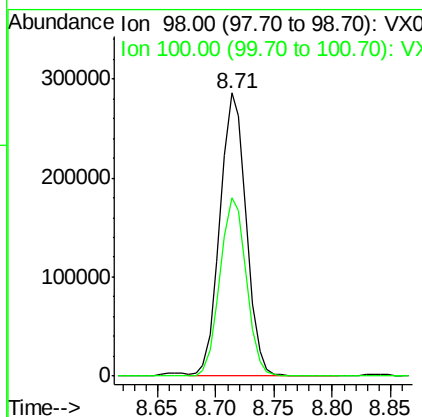
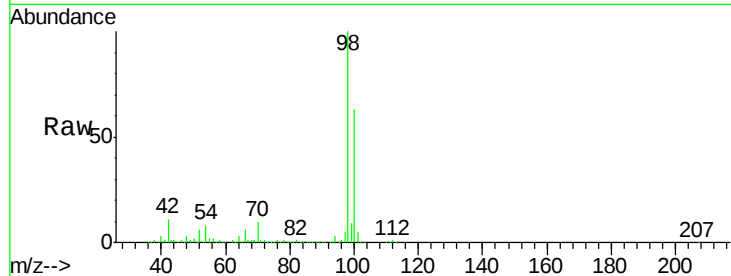
#50
Toluene-d8
Concen: 51.475 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0582

Tot Ion: 98 Resp: 442388
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

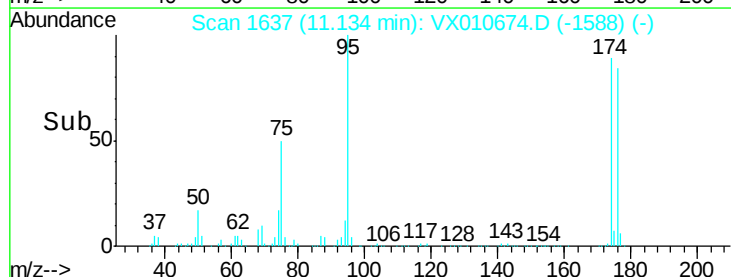
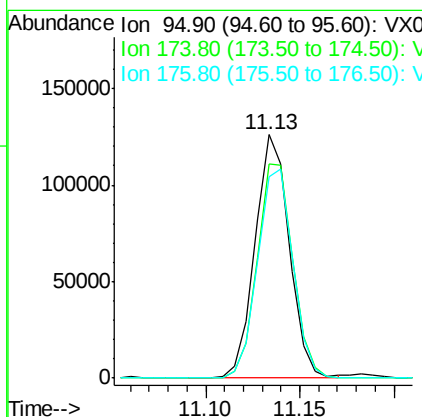
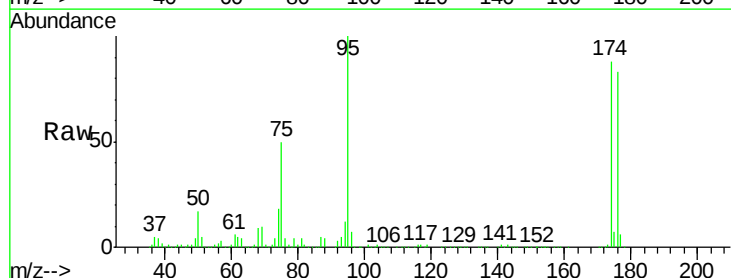
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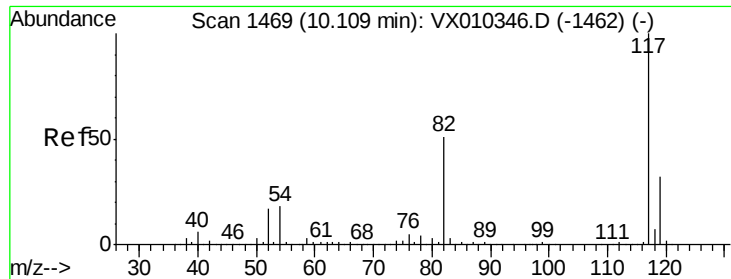
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#62
4-Bromofluorobenzene
Concen: 50.932 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Tgt Ion: 95 Resp: 158029
Ion Ratio Lower Upper
95 100
174 92.2 0.0 187.6
176 89.4 0.0 184.0





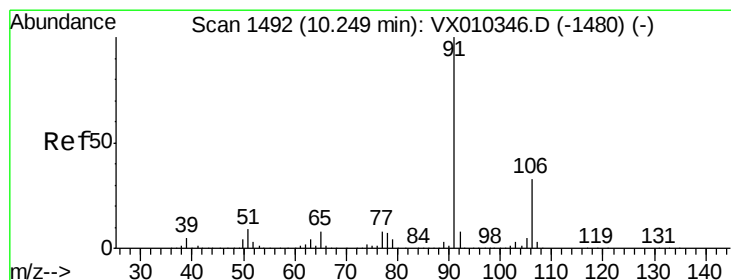
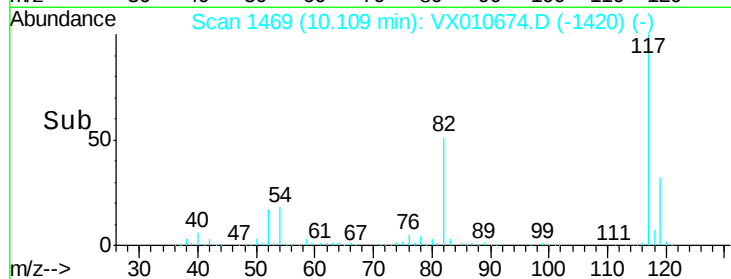
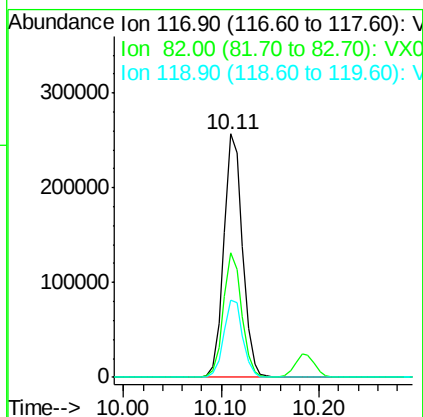
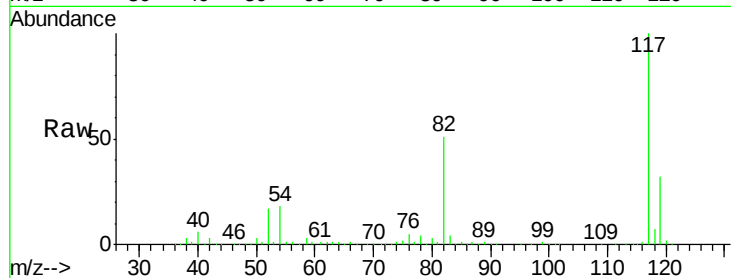
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0582

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.2	61.8
119	31.9	25.5	38.3

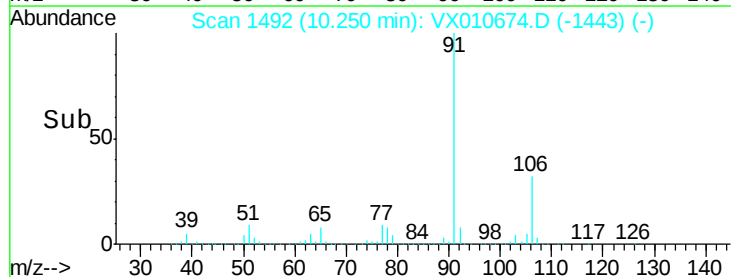
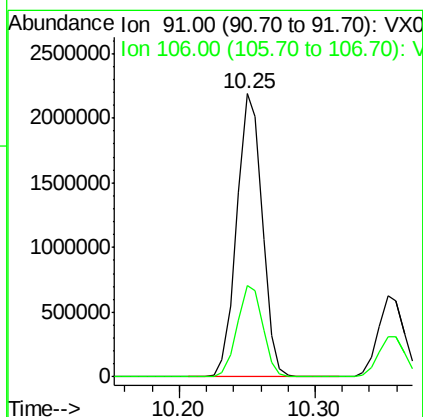
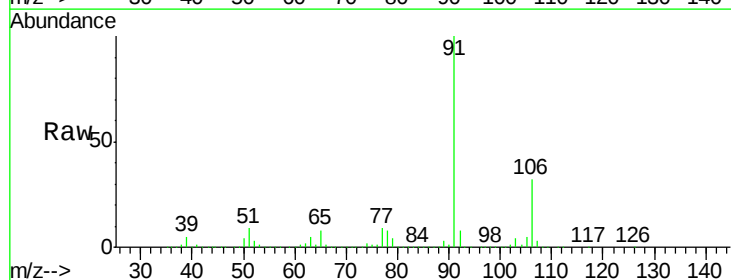
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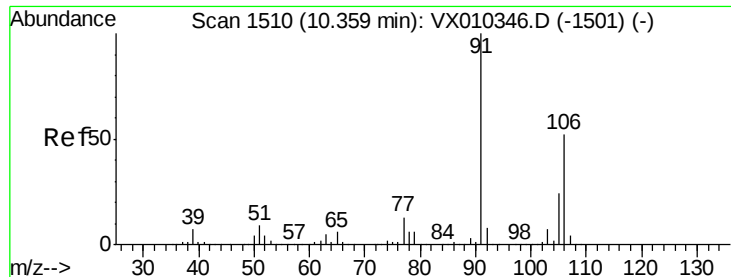
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#67
Ethyl Benzene
Concen: 244.197 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.2	39.2





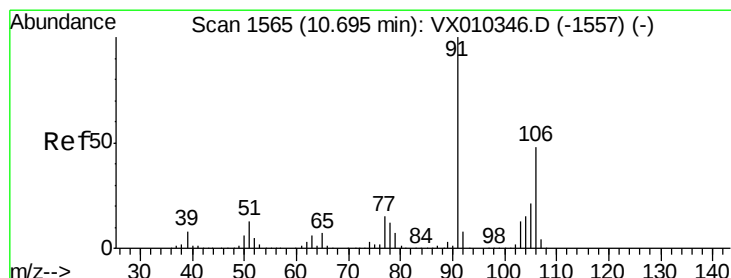
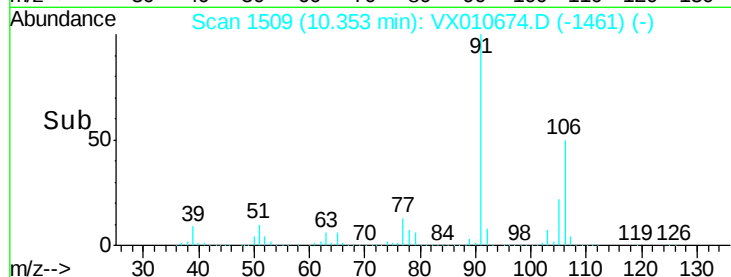
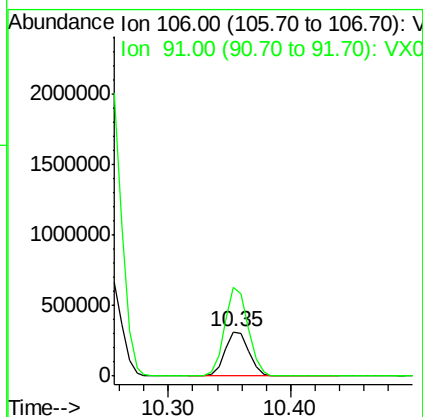
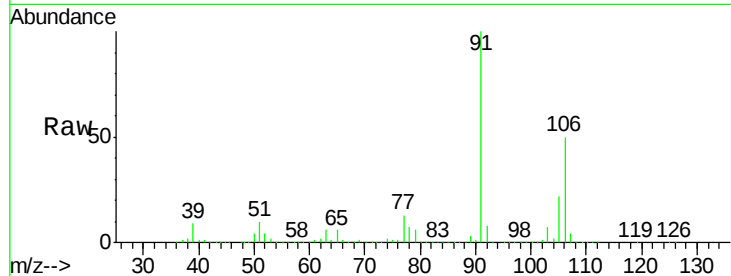
#68
m/p-Xylenes
Concen: 94.351 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Instrument :
MSVOA_X
ClientSampled :
FL-0582

Tot Ion:106 Resp: 426066
Ion Ratio Lower Upper
106 100
91 196.0 155.3 232.9

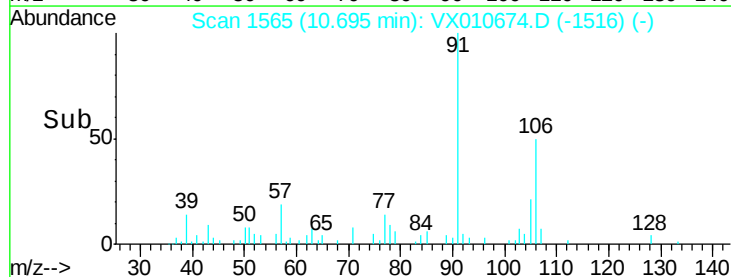
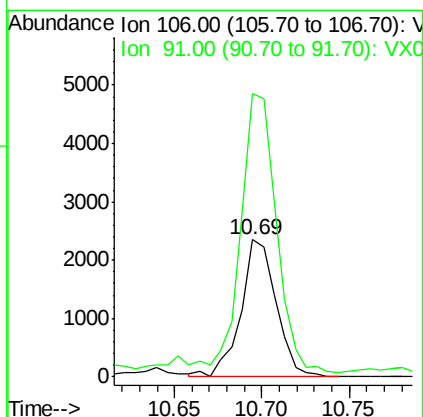
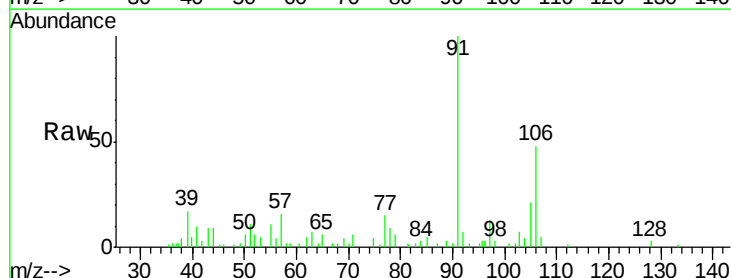
Manual Integrations
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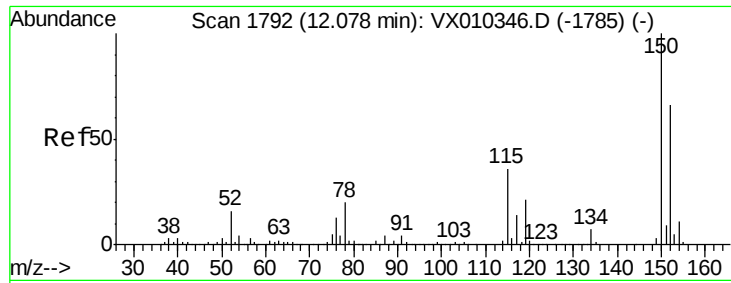
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#69
o-Xylene
Concen: 0.743 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Tgt Ion:106 Resp: 3300
Ion Ratio Lower Upper
106 100
91 201.3 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010674.D

Acq: 04 Jul 2019 07:51

Instrument :

MSVOA_X

ClientSampled :

FL-0582

Tot Ion:152 Resp: 174882

Ion Ratio Lower Upper

152 100

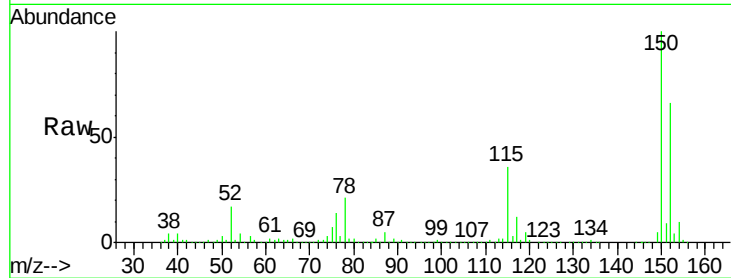
115 60.0 38.6 115.7

150 153.4 0.0 347.4

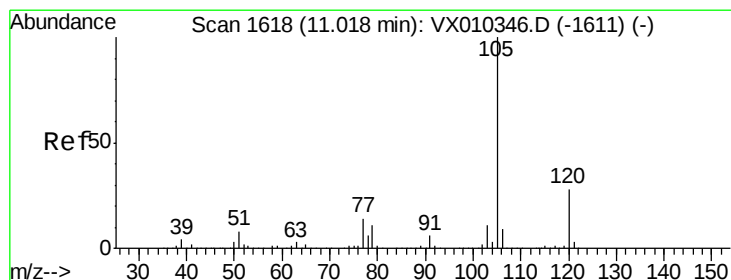
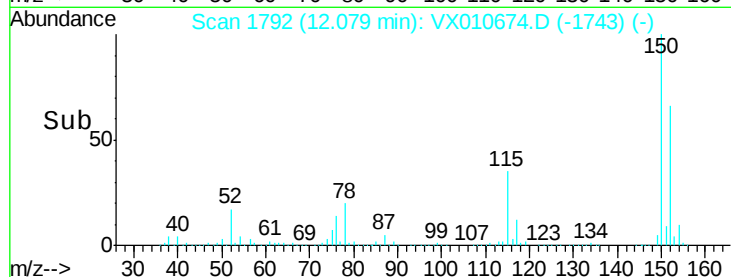
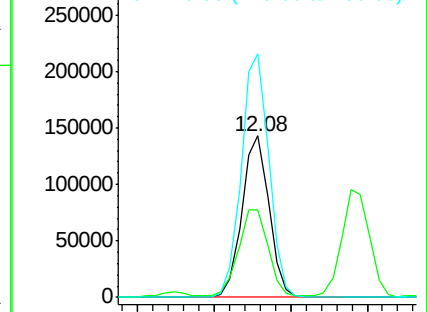
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 76.728 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010674.D

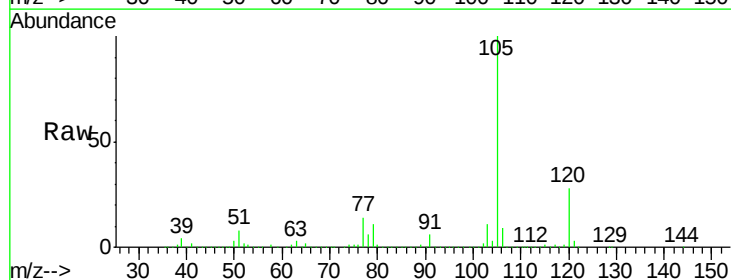
Acq: 04 Jul 2019 07:51

Tgt Ion:105 Resp: 909598

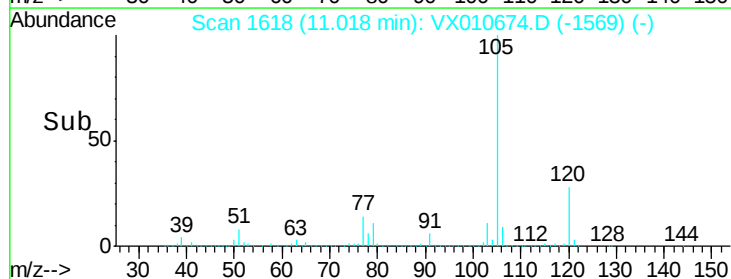
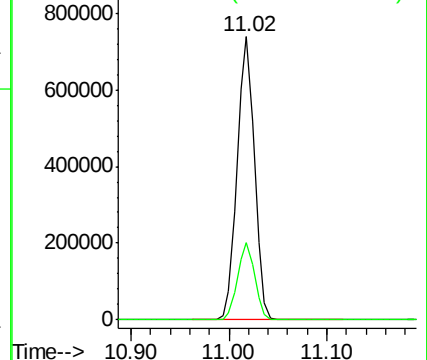
Ion Ratio Lower Upper

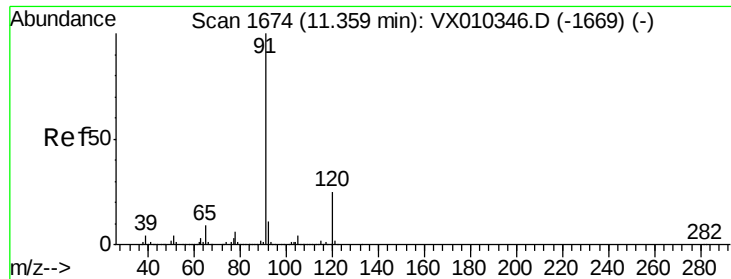
105 100

120 27.2 14.1 42.4



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





#78

n-propylbenzene

Concen: 115.206 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010674.D

Acq: 04 Jul 2019 07:51

Instrument :

MSVOA_X

ClientSampled :

FL-0582

Tot Ion: 91 Resp: 1501019

Ion Ratio Lower Upper

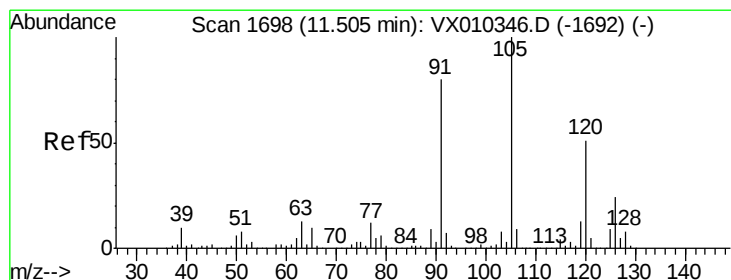
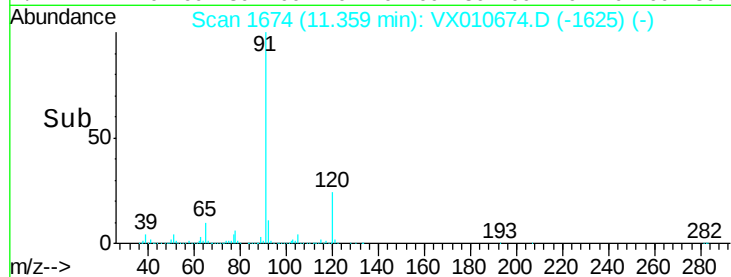
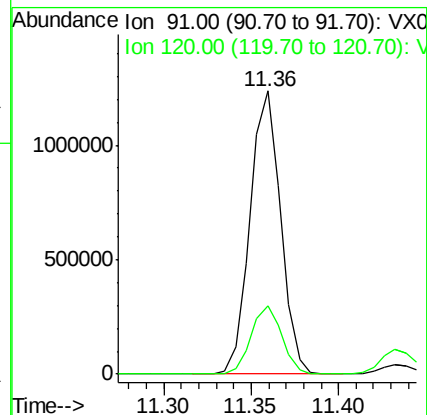
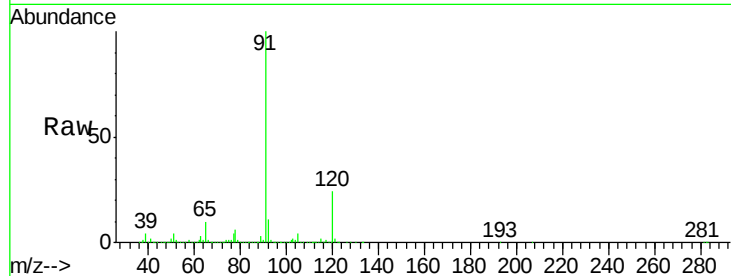
91 100

120 24.1 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 29.483 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010674.D

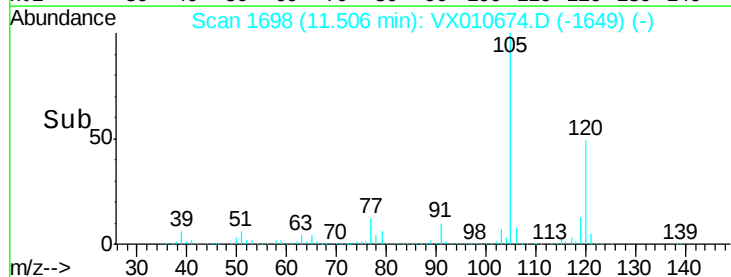
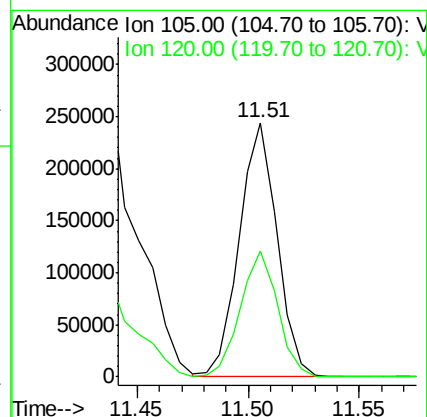
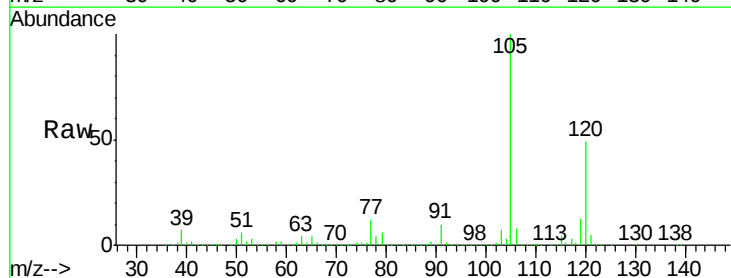
Acq: 04 Jul 2019 07:51

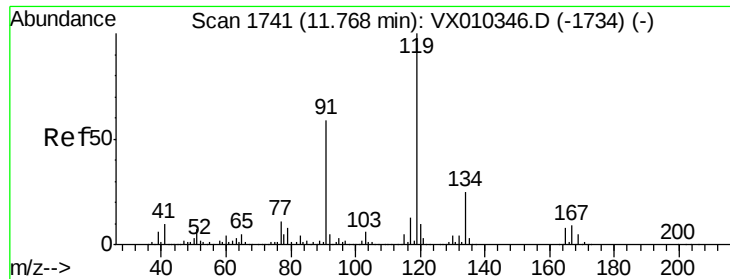
Tgt Ion: 105 Resp: 288132

Ion Ratio Lower Upper

105 100

120 49.2 25.2 75.6





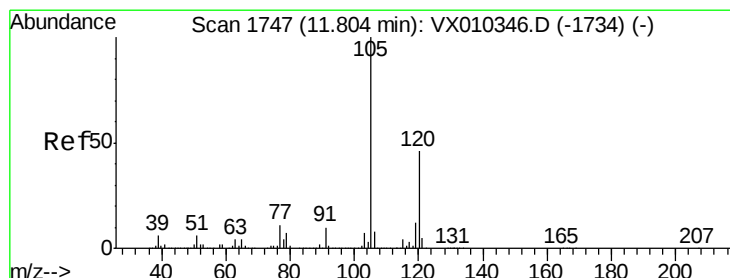
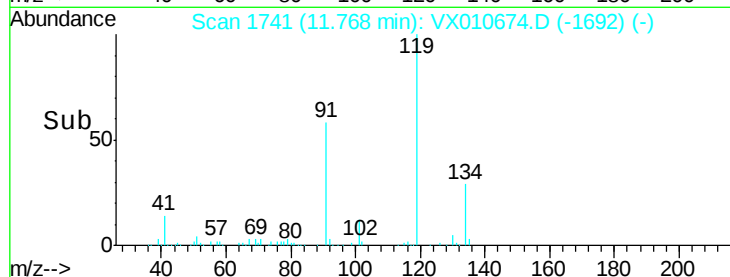
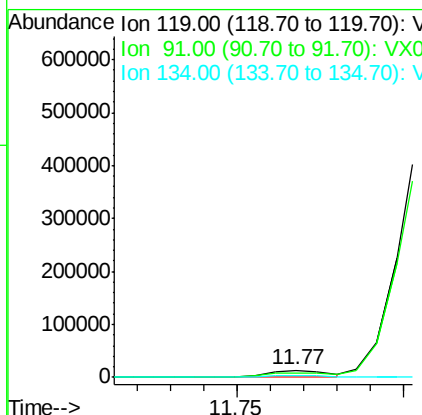
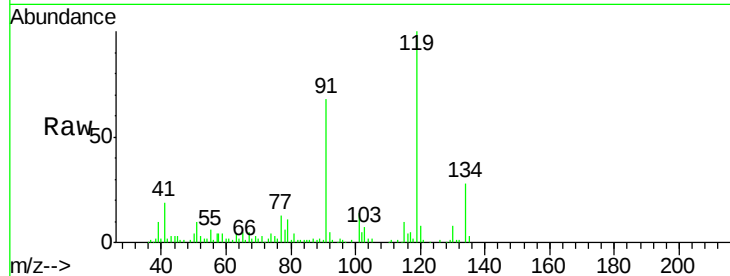
#83
 tert-Butylbenzene
 Concen: 1.718 ug/l m
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010674.D
 Acq: 04 Jul 2019 07:51

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0582

Tot Ion:119 Resp: 16848
 Ion Ratio Lower Upper
 119 100
 91 3253.2 27.6 82.7
 134 0.0 11.8 35.4#

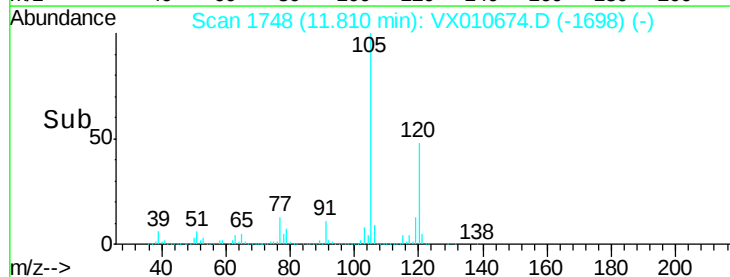
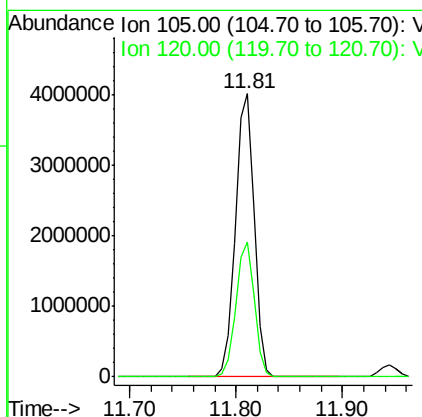
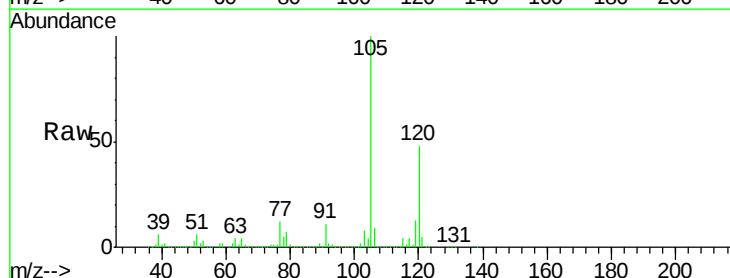
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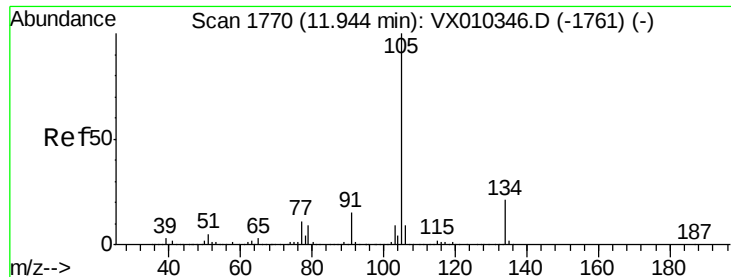
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#84
 1,2,4-Trimethylbenzene
 Concen: 505.940 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX010674.D
 Acq: 04 Jul 2019 07:51

Tgt Ion:105 Resp: 4967675
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 17.666 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010674.D

Acq: 04 Jul 2019 07:51

Instrument :

MSVOA_X

ClientSampleId :

FL-0582

Tot Ion:105 Resp: 203460

Ion Ratio Lower Upper

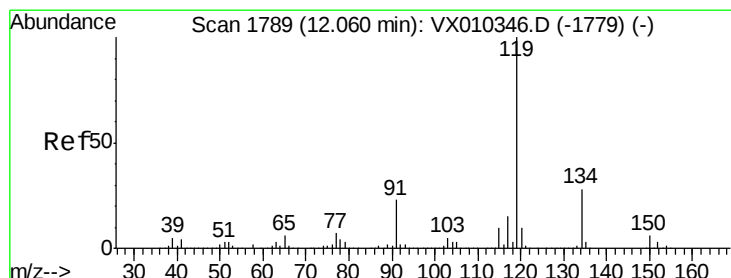
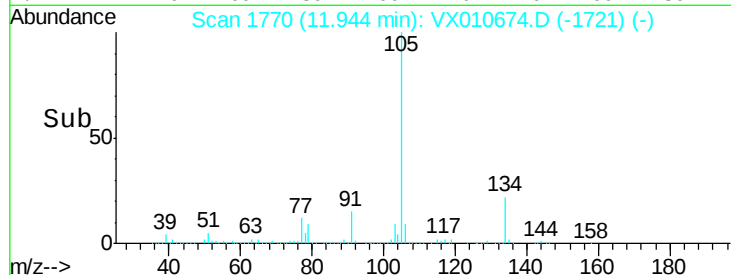
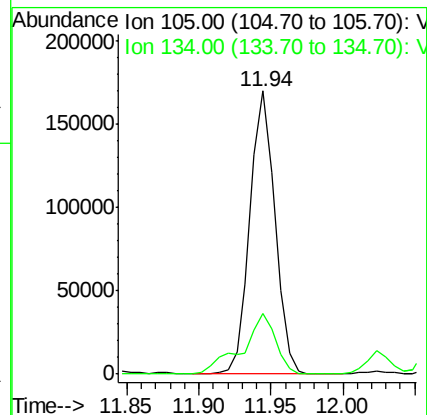
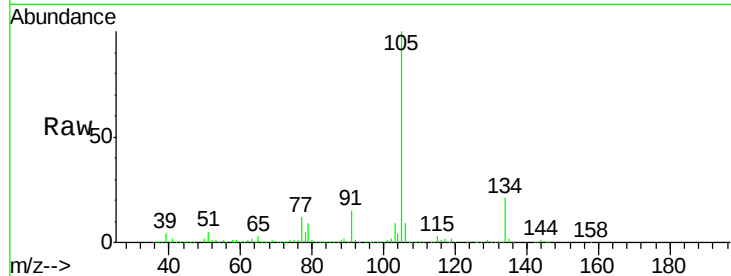
105 100

134 28.5 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 7.477 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010674.D

Acq: 04 Jul 2019 07:51

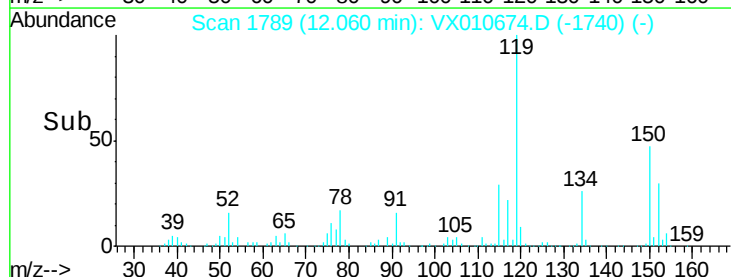
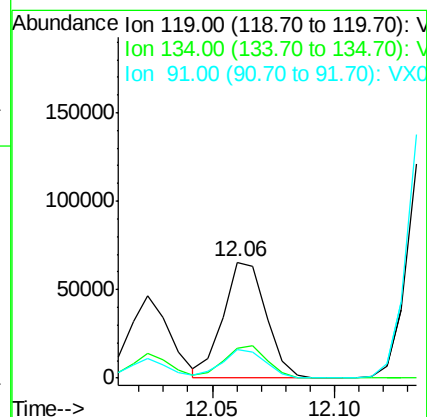
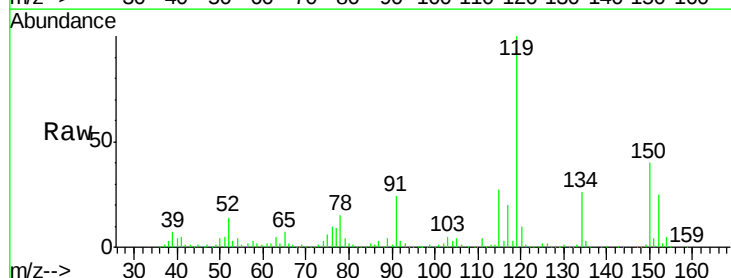
Tgt Ion:119 Resp: 79655

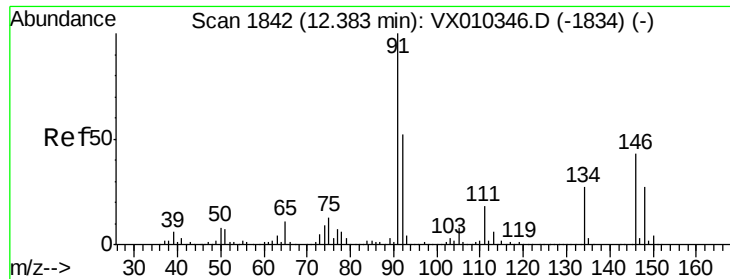
Ion Ratio Lower Upper

119 100

134 28.1 13.7 41.1

91 24.2 11.3 33.8





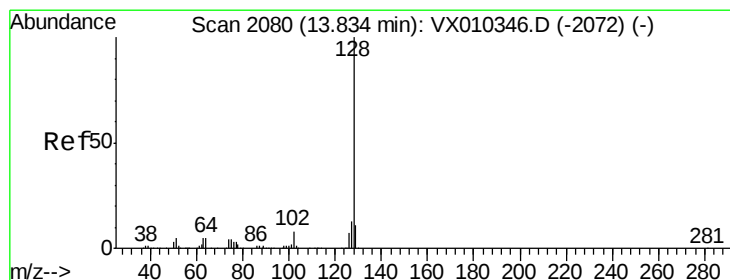
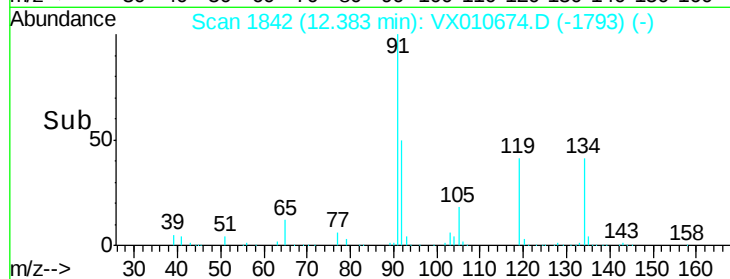
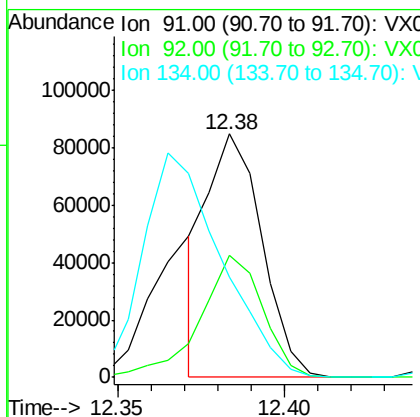
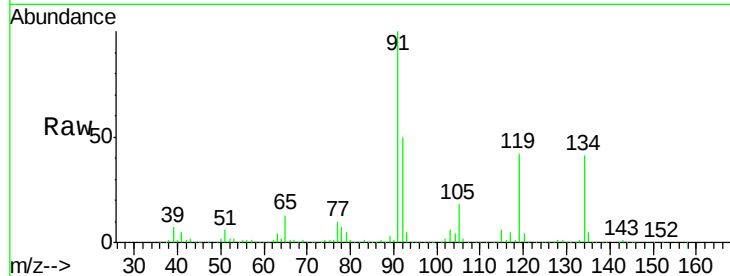
#89
n-Butylbenzene
Concen: 10.674 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Instrument :
MSVOA_X
ClientSampled :
FL-0582

Tot Ion: 91 Resp: 96628
Ion Ratio Lower Upper
91 100
92 57.7 26.2 78.5
134 132.1 14.1 42.4#

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#95
Naphthalene
Concen: 85.003 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010674.D
Acq: 04 Jul 2019 07:51

Tgt Ion: 128 Resp: 1040308
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.3 8.9 13.3

