

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
 Data File : VX008153.D
 Acq On : 16 Mar 2019 20:40
 Operator : JC/SP
 Sample : K1960-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-2-9.0-031419

Manual Integrations
 APPROVED

MMDadoda
 3/18/2019 10:37:05 AM

Quant Time: Mar 18 03:26:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	332773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	378346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175431	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	141487	42.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.30%	
35) Dibromofluoromethane	5.51	113	132064	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
50) Toluene-d8	8.71	98	514797	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	11.13	95	173827	45.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.54%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	154521	97.504	ug/l	95
18) Methyl Acetate	2.78	43	3643	1.064	ug/l #	87
20) Methylene Chloride	2.86	84	2954	1.044	ug/l #	83
31) Cyclohexane	5.58	56	31344	6.530	ug/l #	92
39) Methylcyclohexane	7.46	83	97875	20.945	ug/l	100
40) Benzene	6.15	78	3739	0.334	ug/l #	86
52) Toluene	8.79	92	3506	0.492	ug/l	93
67) Ethyl Benzene	10.25	91	10936	0.880	ug/l	96
73) Isopropylbenzene	11.02	105	433866	38.614	ug/l	100
78) n-propylbenzene	11.36	91	1845293	149.691	ug/l	99
83) tert-Butylbenzene	11.77	119	25794	2.780	ug/l	92
85) sec-Butylbenzene	11.94	105	169345	15.319	ug/l	96
89) n-Butylbenzene	12.38	91	146885m	17.558	ug/l	
95) Naphthalene	13.83	128	25879	2.399	ug/l #	86

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

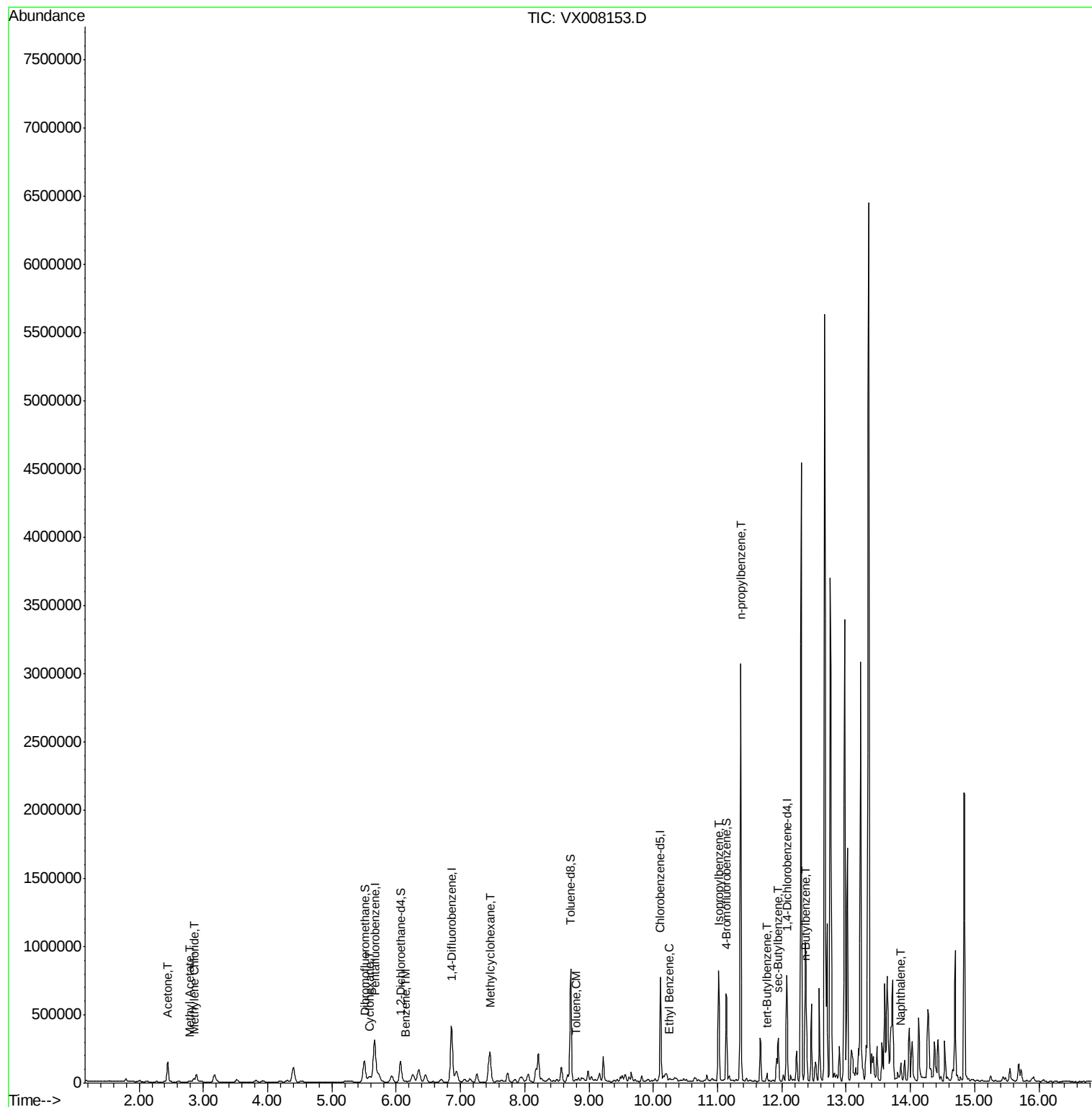
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Data File : VX008153.D
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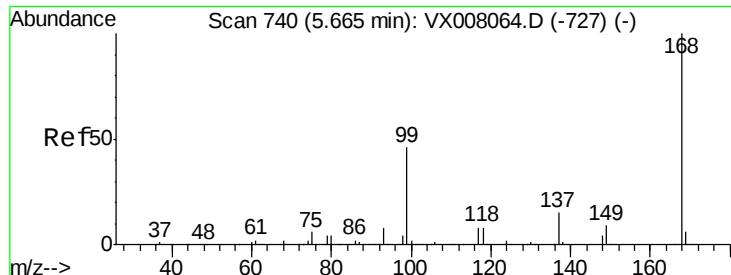
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-031419

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
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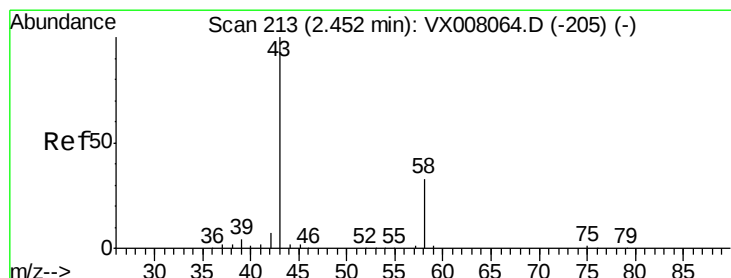
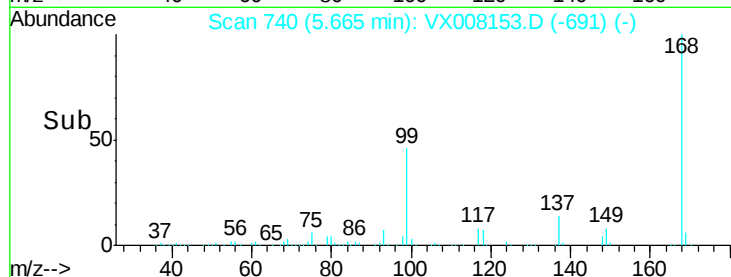
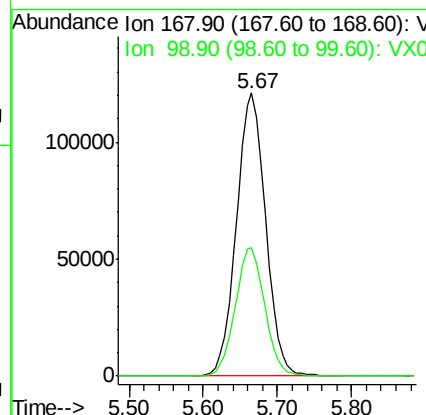
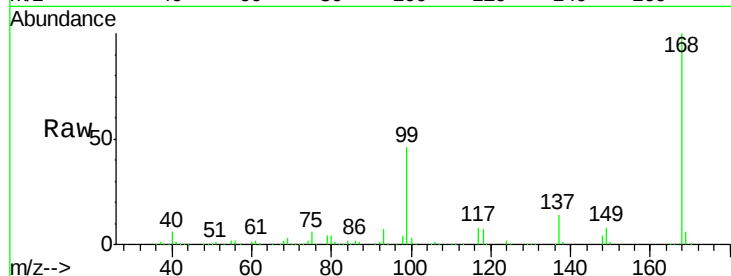
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-031419

Tot Ion	Ratio	Resp	Lower	Upper
168	100	332773		
99	45.6	37.6	56.4	

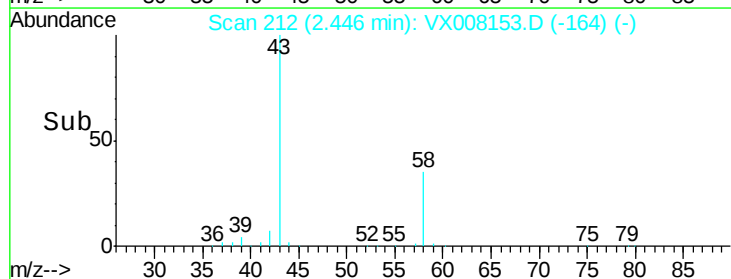
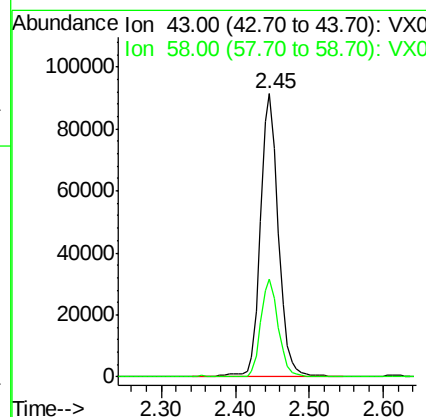
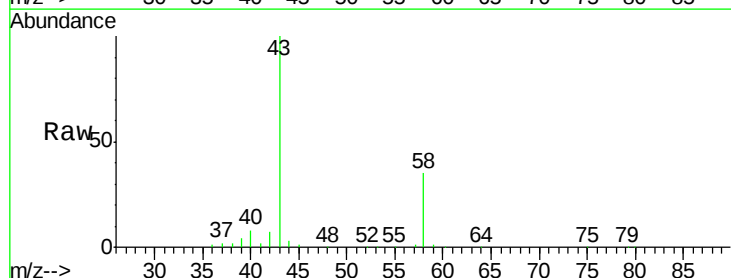
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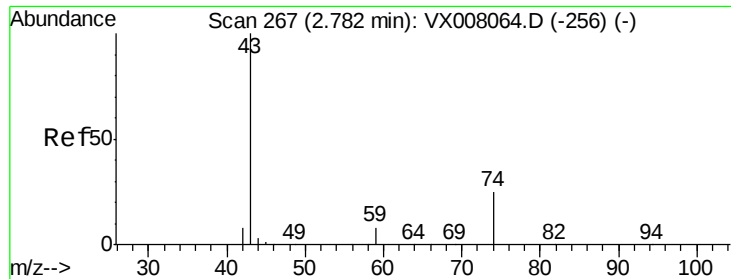
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#16
Acetone
Concen: 97.504 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	154521		
58	34.5	25.5	38.3	





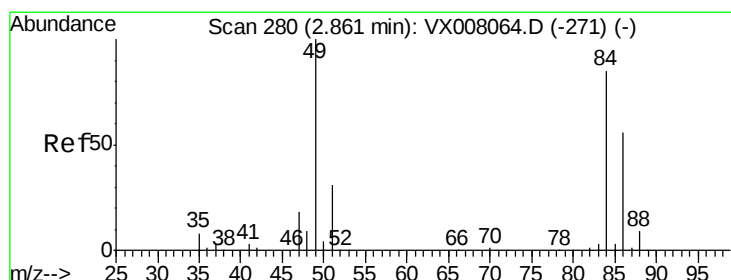
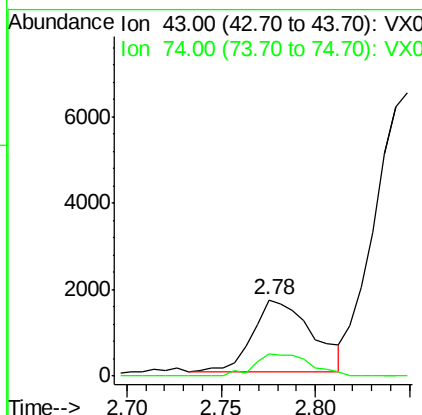
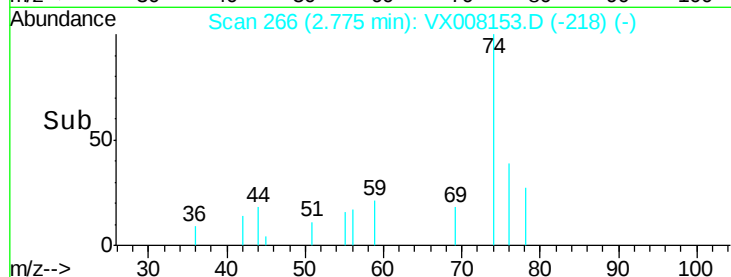
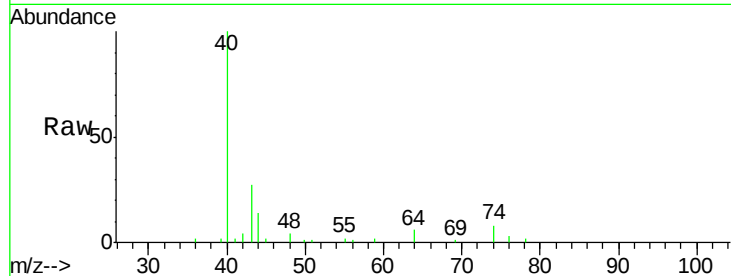
#18
Methyl Acetate
Concen: 1.064 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-031419

Tot Ion: 43 Resp: 3643
Ion Ratio Lower Upper
43 100
74 28.5 17.8 26.6#

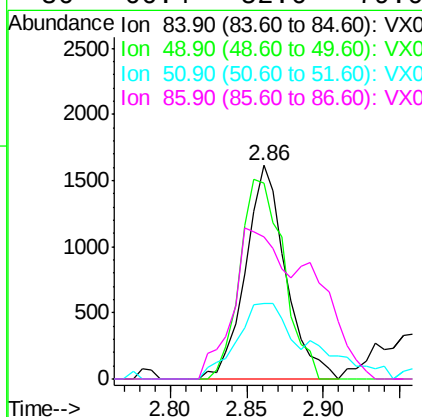
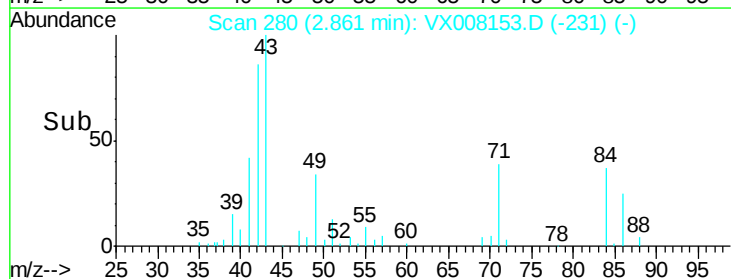
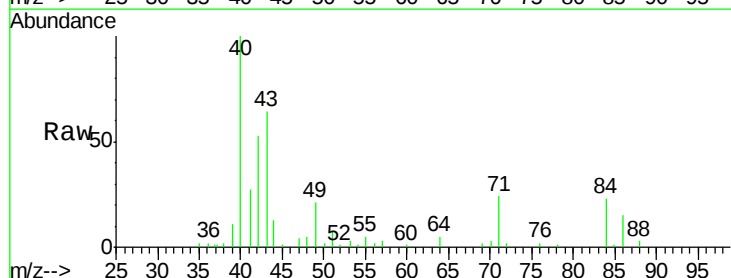
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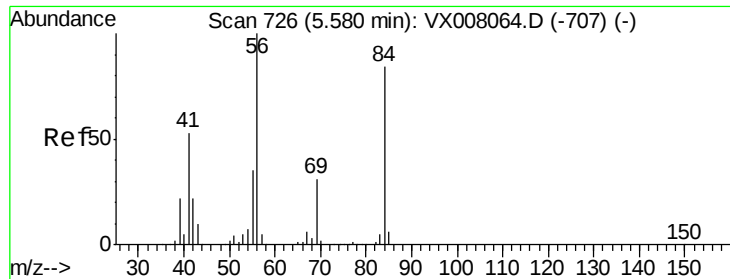
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#20
Methylene Chloride
Concen: 1.044 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Tgt Ion: 84 Resp: 2954
Ion Ratio Lower Upper
84 100
49 91.9 99.3 148.9#
51 35.6 31.3 46.9
86 66.4 52.6 79.0





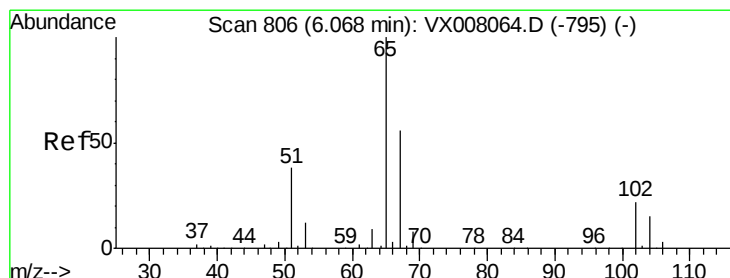
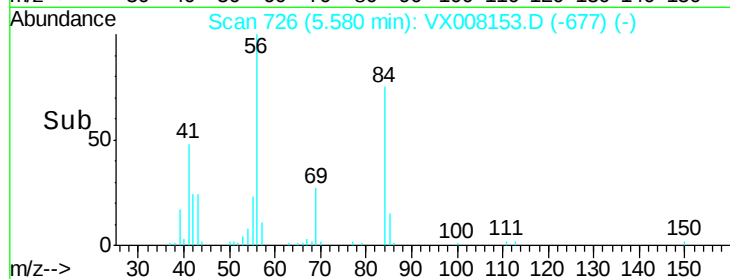
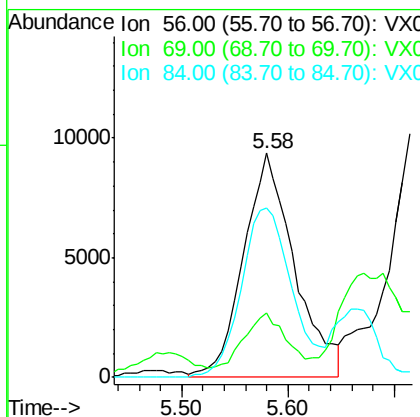
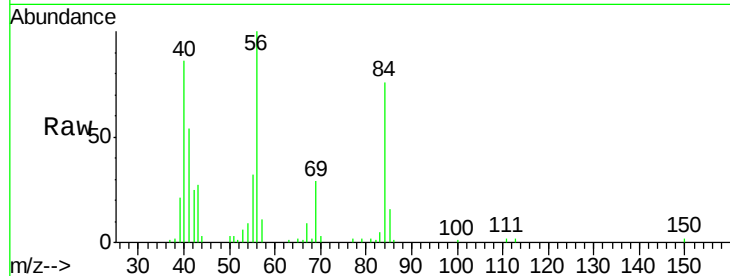
#31
Cyclohexane
Concen: 6.530 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-031419

Tot Ion	Ratio	Lower	Upper
56	100		
69	21.4	24.0	36.0#
84	76.7	65.3	97.9

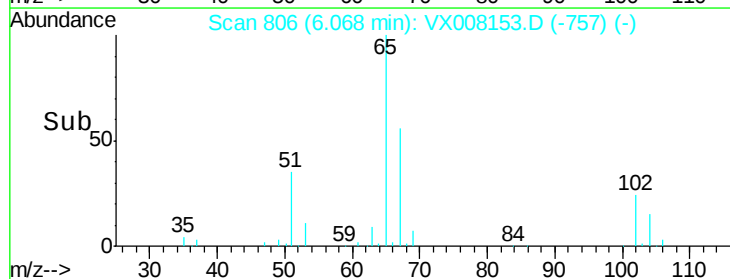
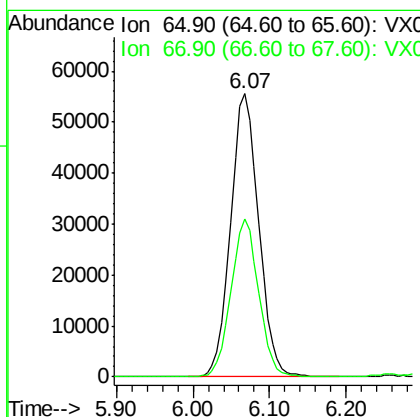
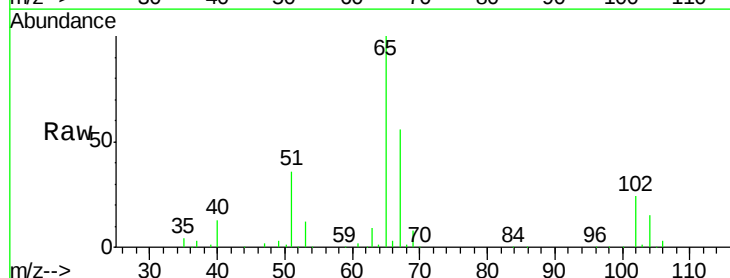
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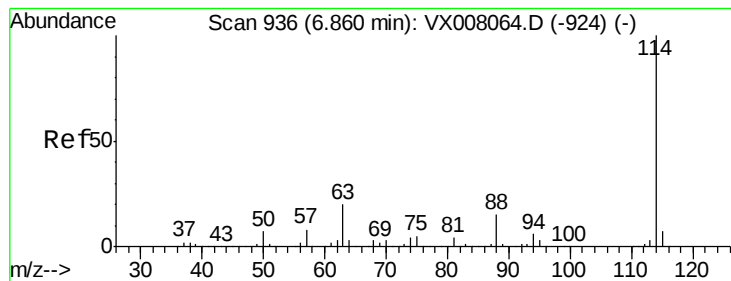
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#33
1,2-Dichloroethane-d4
Concen: 42.149 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008153.D

Acq: 16 Mar 2019 20:40

Instrument :

MSVOA_X

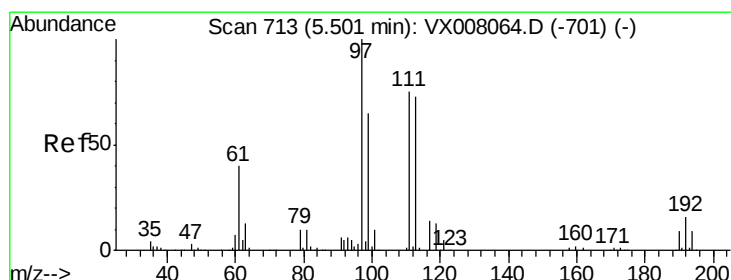
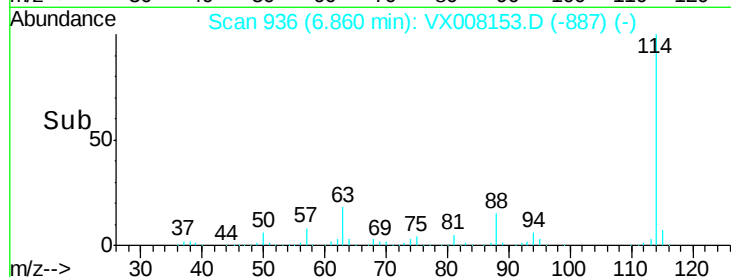
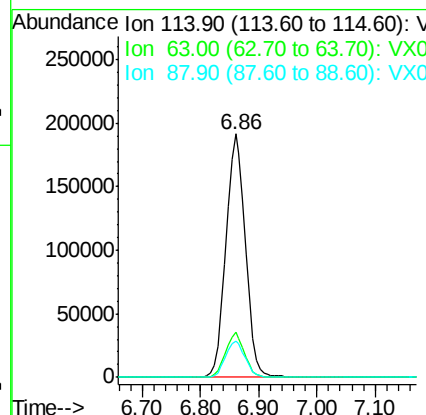
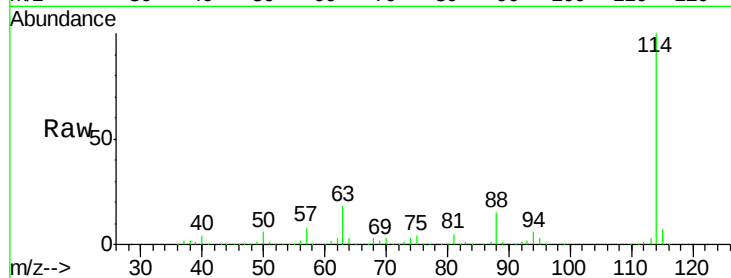
ClientSampleId :

T3-MW-2-9.0-031419

Tot Ion:	114	Resp:	444389
Ion Ratio	Lower	Upper	
114	100		
63	18.4	0.0	39.8
88	15.0	0.0	31.4

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#35

Dibromofluoromethane

Concen: 46.863 ug/l

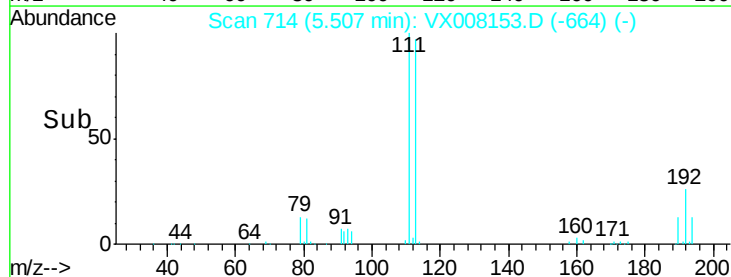
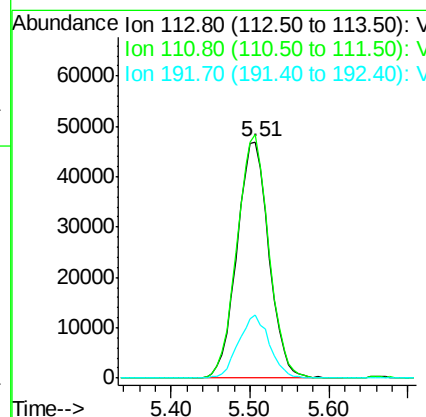
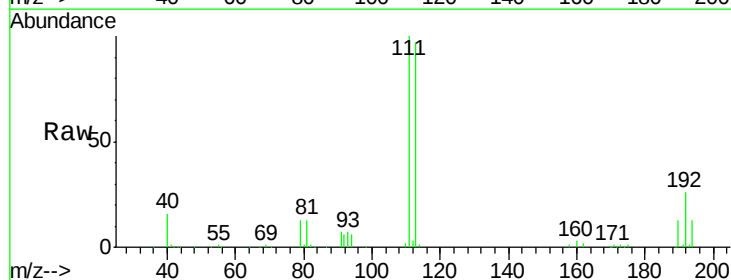
RT: 5.51 min Scan# 714

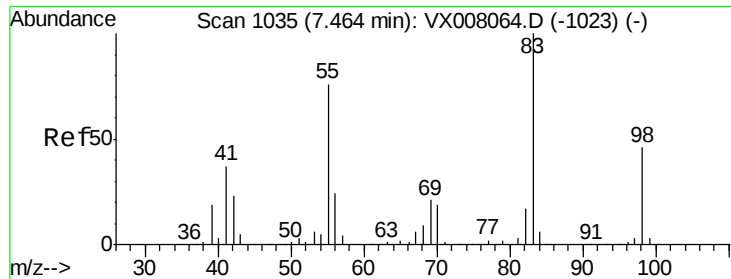
Delta R.T. 0.01 min

Lab File: VX008153.D

Acq: 16 Mar 2019 20:40

Tgt Ion:	113	Resp:	132064
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.4	122.0
192	25.9	19.4	29.0





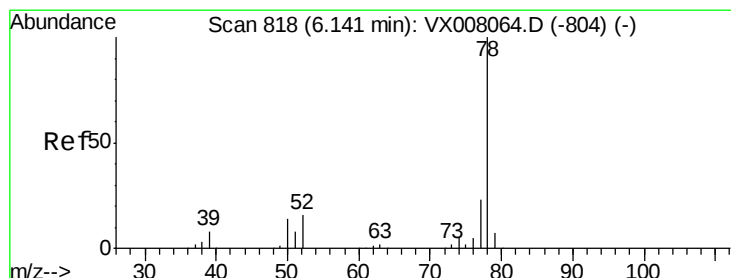
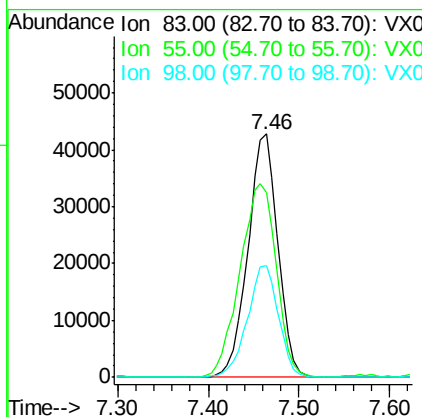
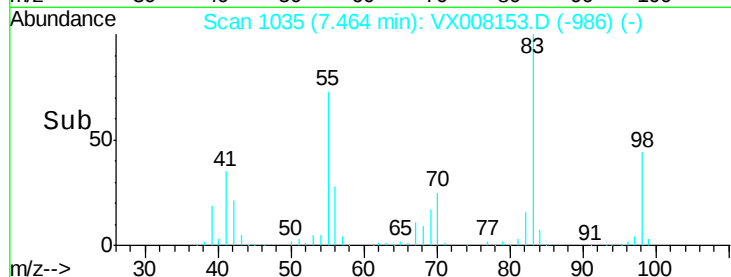
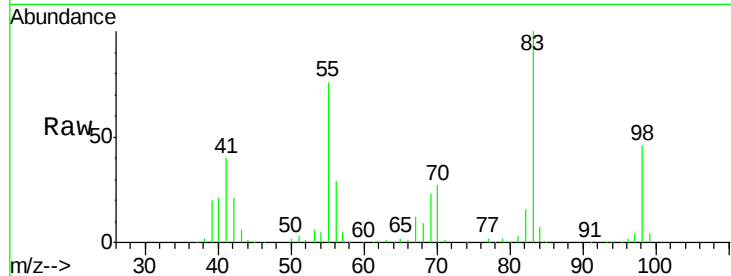
#39
Methvlcvclohexane
Concen: 20.945 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-031419

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.4	90.6
98	45.8	36.5	54.7

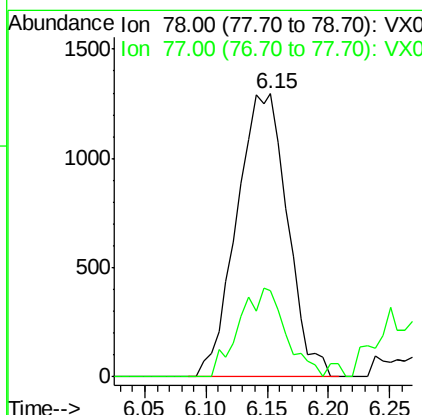
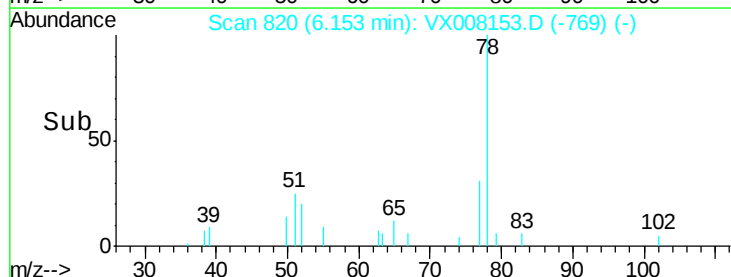
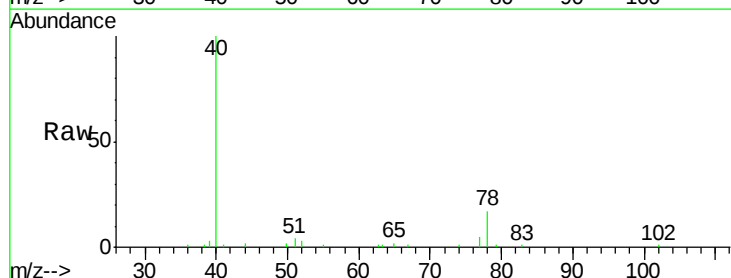
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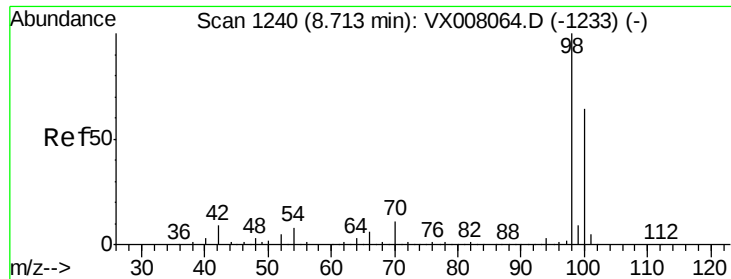
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#40
Benzene
Concen: 0.334 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	30.6	19.0	28.4





#50

Toluene-d8

Concen: 48.031 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008153.D

Acq: 16 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-031419

Tot Ion: 98 Resp: 514797

Ion Ratio Lower Upper

98 100

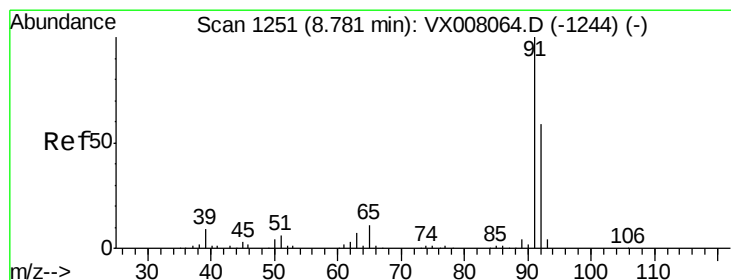
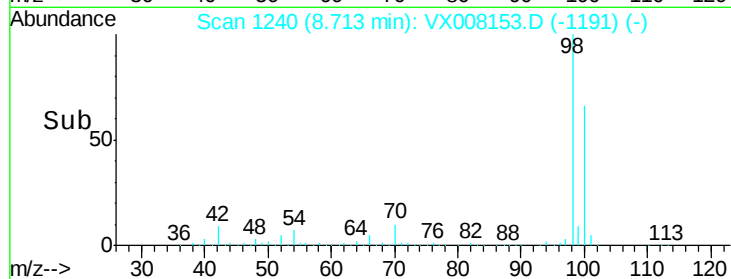
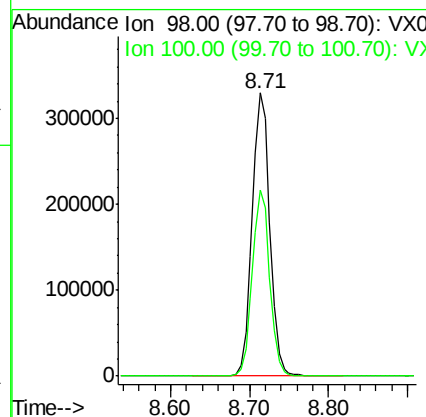
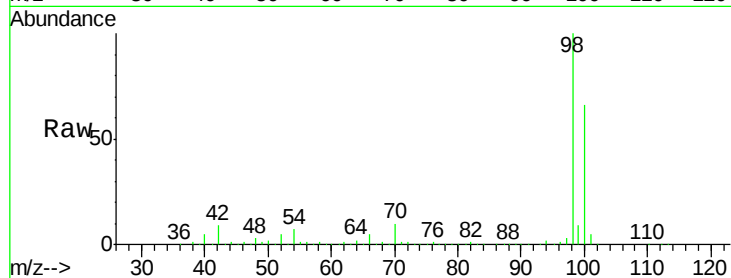
100 64.5 51.7 77.5

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#52

Toluene

Concen: 0.492 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008153.D

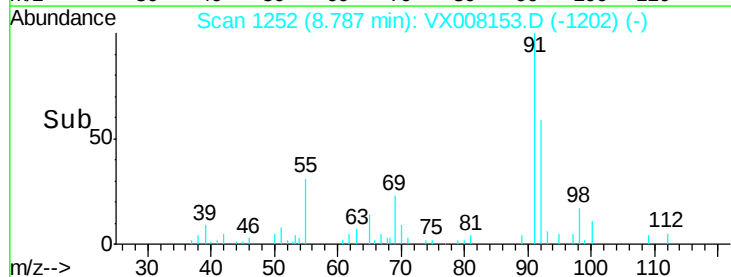
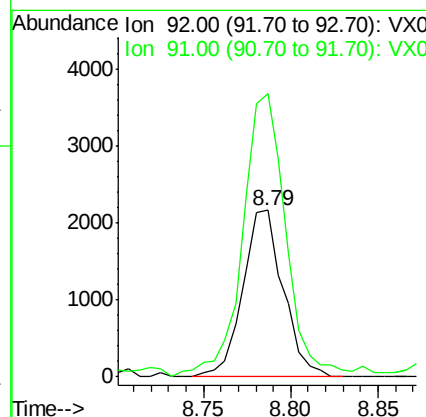
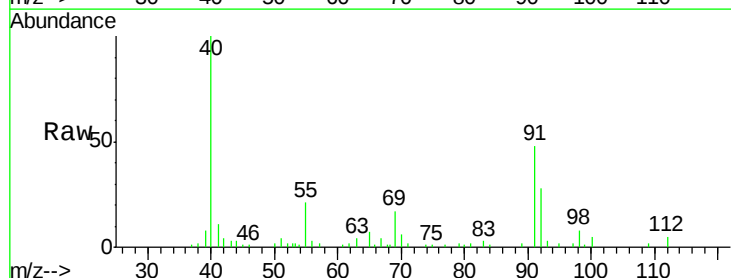
Acq: 16 Mar 2019 20:40

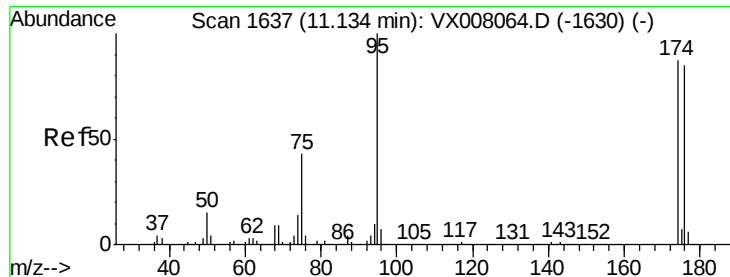
Tgt Ion: 92 Resp: 3506

Ion Ratio Lower Upper

92 100

91 180.9 137.4 206.0





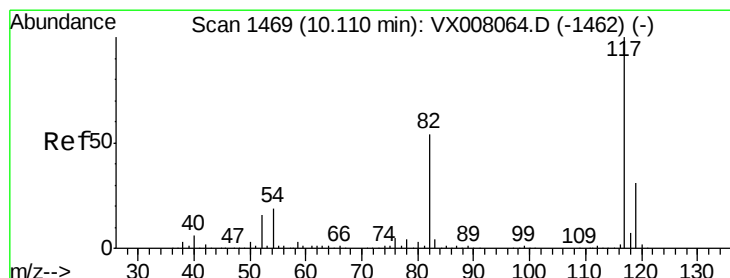
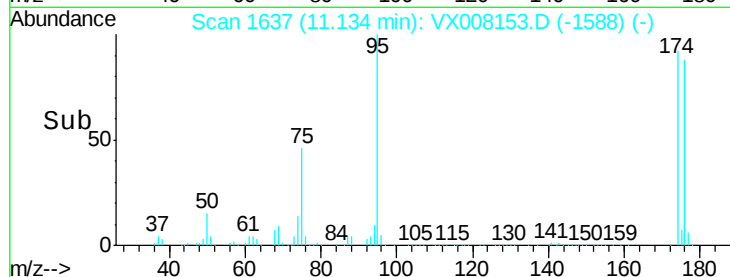
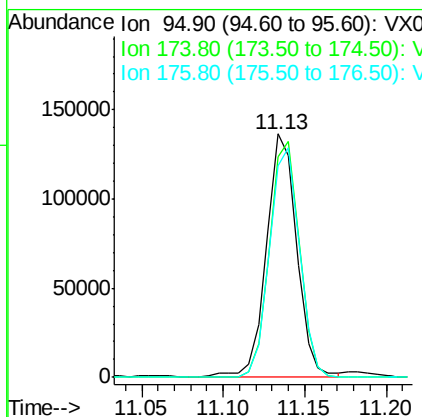
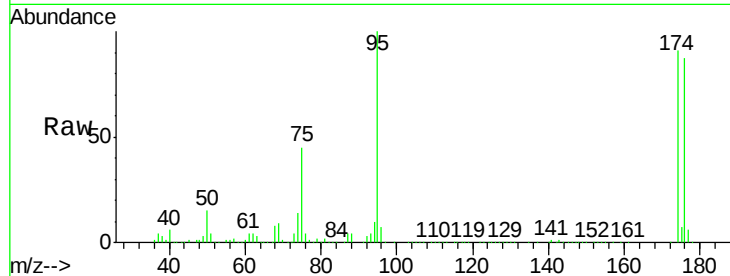
#62
4-Bromofluorobenzene
Concen: 45.273 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-031419

Tot Ion	Ratio	Resp	Lower	Upper
95	100	173827		
174	95.9	0.0	182.8	
176	94.0	0.0	178.0	

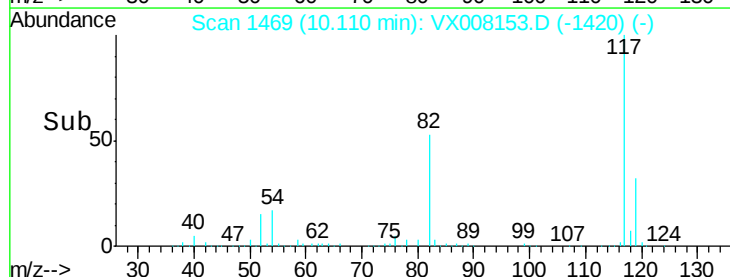
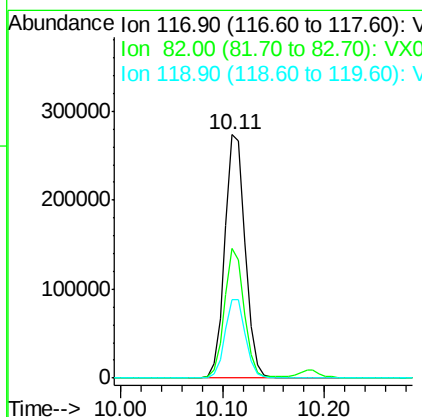
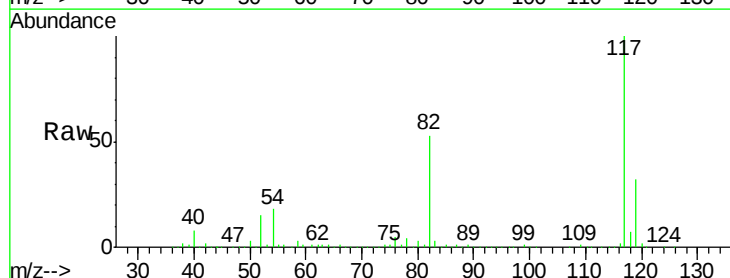
Manual Integrations
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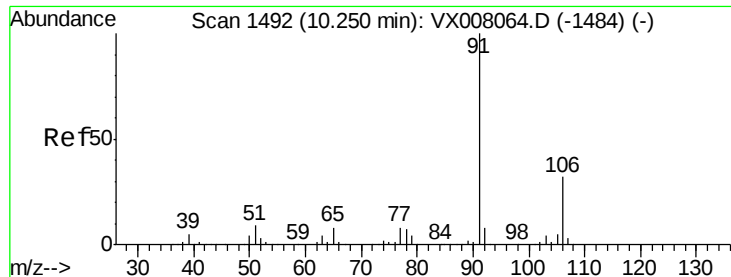
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	378346		
82	53.4	44.3	66.5	
119	32.3	25.3	37.9	





#67

Ethyl Benzene

Concen: 0.880 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008153.D

Acq: 16 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-031419

Tot Ion: 91 Resp: 10936

Ion Ratio Lower Upper

91 100

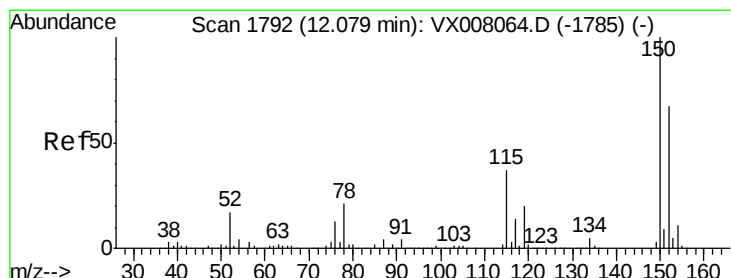
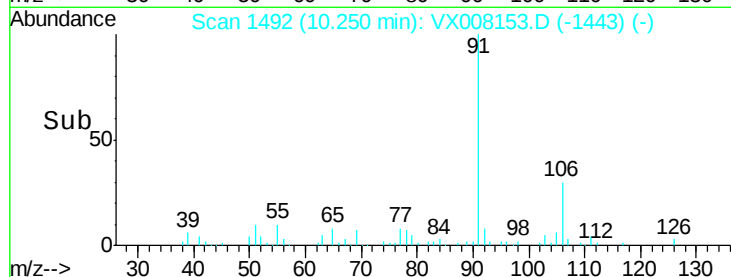
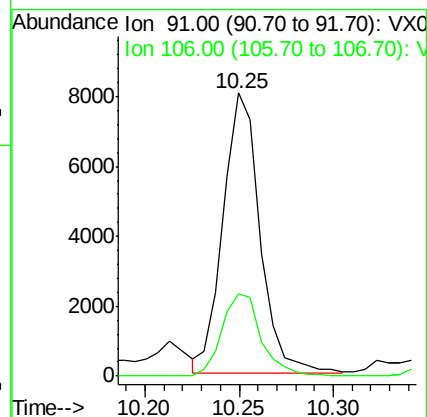
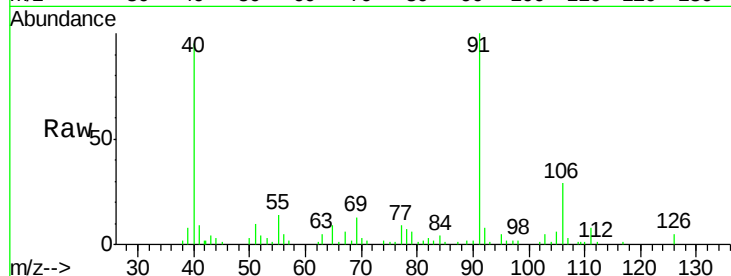
106 29.5 25.2 37.8

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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: VX008153.D

Acq: 16 Mar 2019 20:40

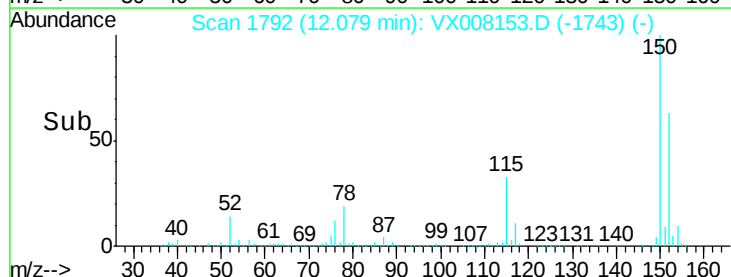
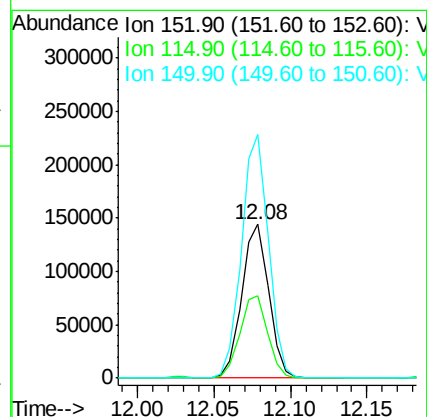
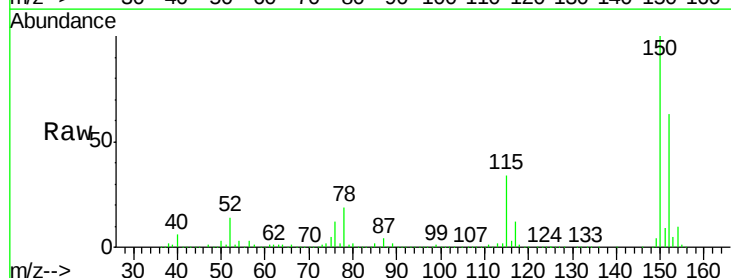
Tgt Ion: 152 Resp: 175431

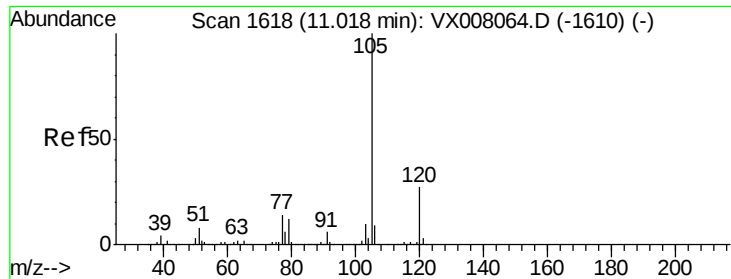
Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

150 159.0 0.0 348.4





#73

Isopropylbenzene

Concen: 38.614 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008153.D

Acq: 16 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-031419

Tot Ion: 105 Resp: 433866

Ion Ratio Lower Upper

105 100

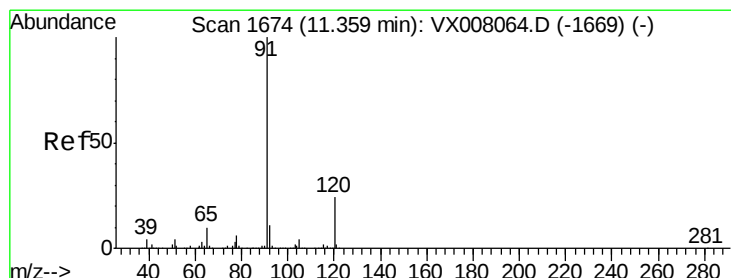
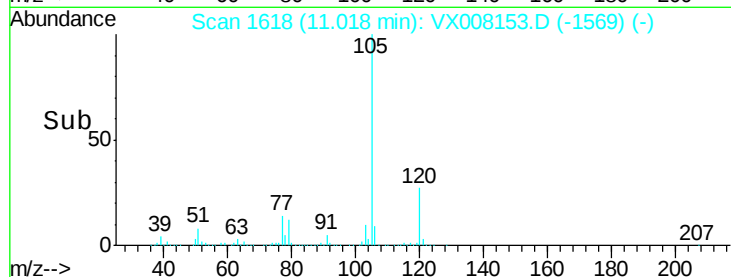
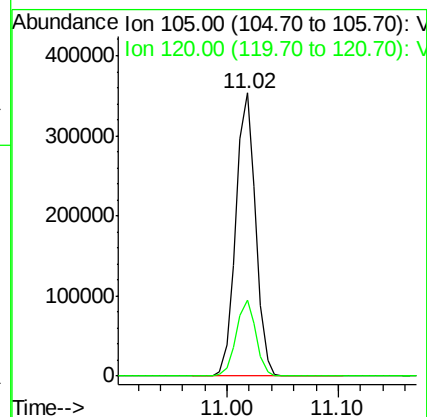
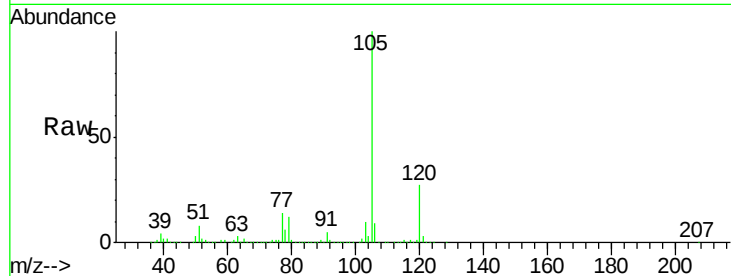
120 26.8 13.4 40.1

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#78

n-propylbenzene

Concen: 149.691 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008153.D

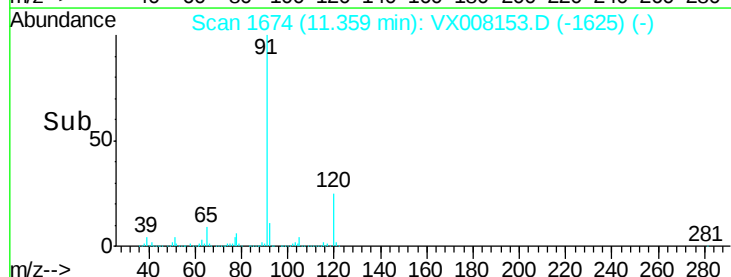
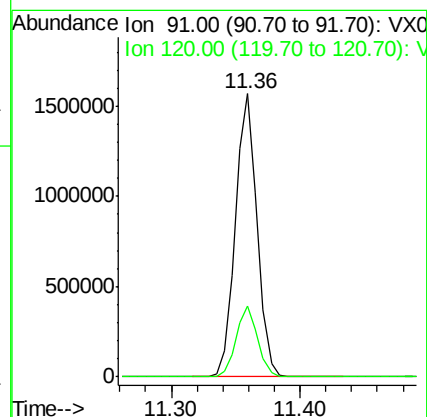
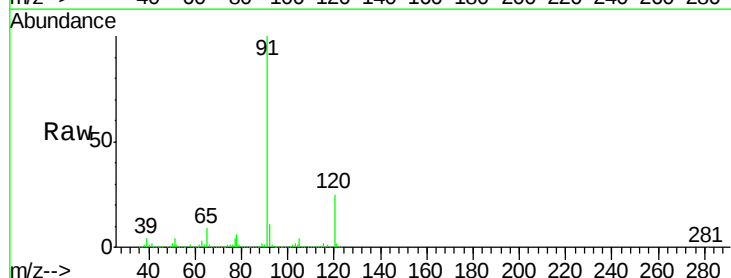
Acq: 16 Mar 2019 20:40

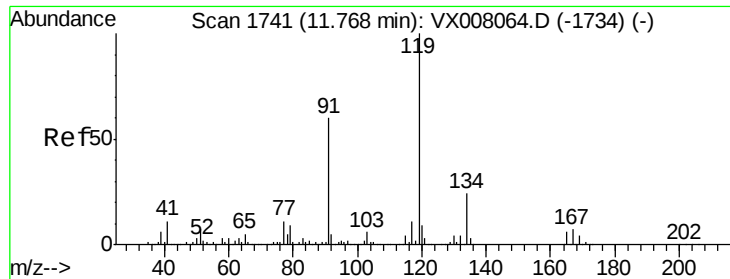
Tgt Ion: 91 Resp: 1845293

Ion Ratio Lower Upper

91 100

120 24.7 12.0 36.0





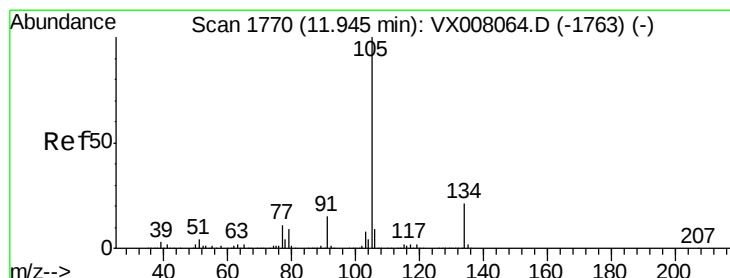
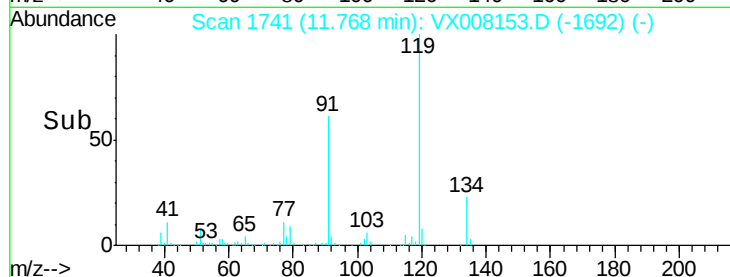
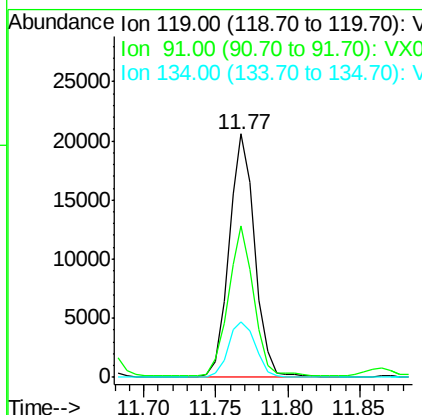
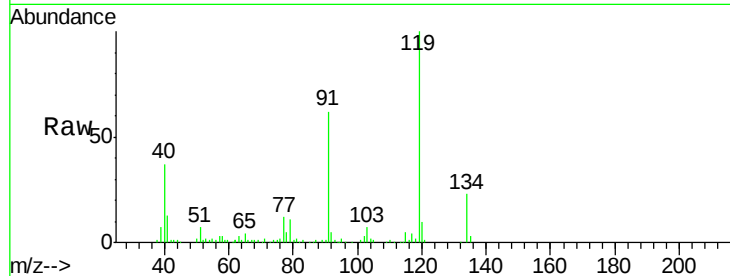
#83
tert-Butylbenzene
Concen: 2.780 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-031419

Tot Ion	Ratio	Resp	Lower	Upper
119	100	25794		
91	61.1		27.1	81.3
134	24.3		11.4	34.1

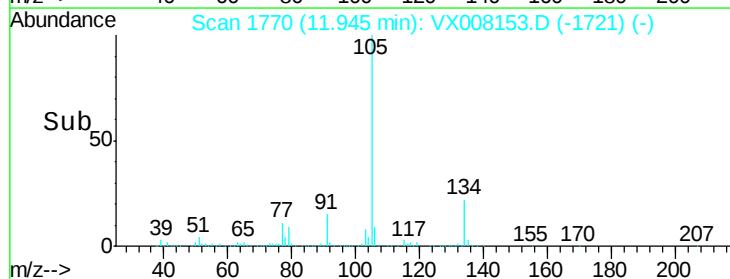
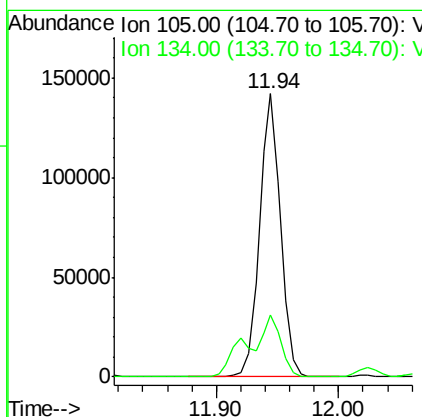
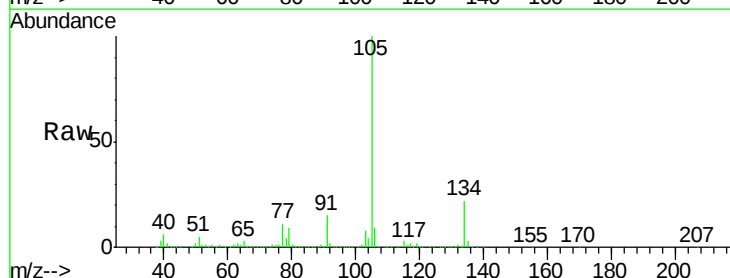
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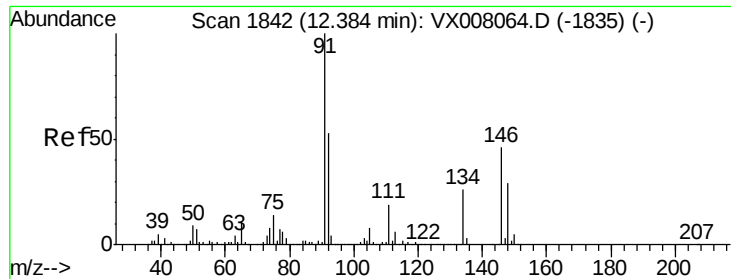
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#85
sec-Butylbenzene
Concen: 15.319 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	169345		
134	18.9		10.4	31.2





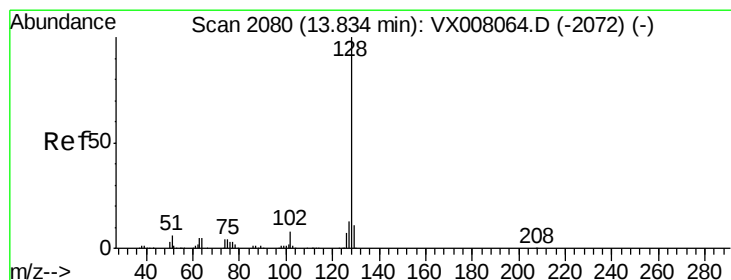
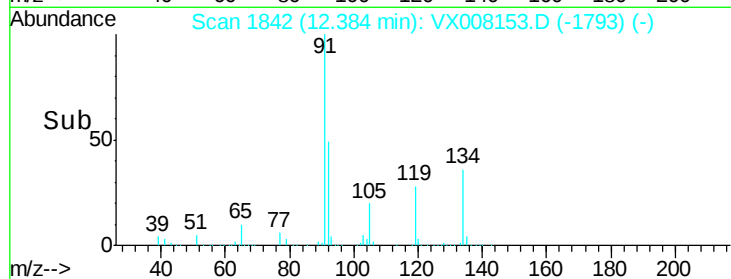
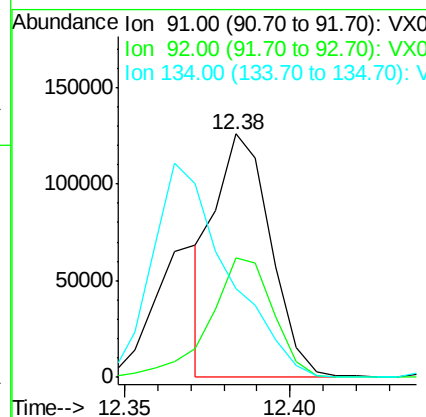
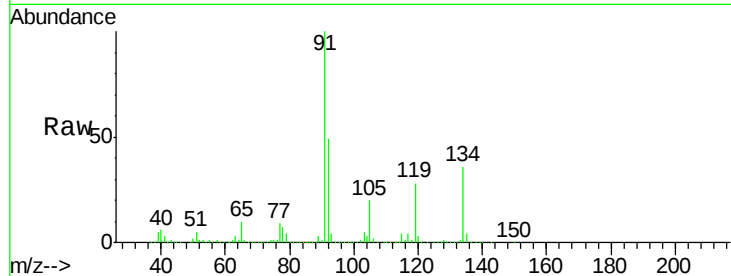
#89
n-Butylbenzene
Concen: 17.558 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-031419

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.6	27.0	80.8
134	119.9	13.7	41.0#

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#95
Naphthalene
Concen: 2.399 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008153.D
Acq: 16 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	0.0	8.7	13.1#

