

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008403.D
 Acq On : 24 Mar 2019 19:34
 Operator : JC/SP
 Sample : K2059-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:24:44 AM

Quant Time: Mar 25 08:05:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	388273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	336850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147141	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	160989	46.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.64%	
35) Dibromofluoromethane	5.49	113	122473	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.38%	
50) Toluene-d8	8.71	98	499392	50.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.13	95	177457	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.16%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.59	56	339735	62.158	ug/l #	90
39) Methylcyclohexane	7.46	83	327084	67.257	ug/l #	87
40) Benzene	6.15	78	36788	3.045	ug/l	100
52) Toluene	8.78	92	15177	2.142	ug/l	98
67) Ethyl Benzene	10.25	91	439856	33.252	ug/l	96
68) m/p-Xylenes	10.36	106	80403	16.917	ug/l	91
69) o-Xylene	10.70	106	3181	0.684	ug/l	90
73) Isopropylbenzene	11.02	105	612852	52.777	ug/l	98
78) n-propylbenzene	11.36	91	499300	36.686	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	31818	3.221	ug/l	97
83) tert-Butylbenzene	11.77	119	13281	1.412	ug/l	84
85) sec-Butylbenzene	11.94	105	46823	4.153	ug/l	92
86) p-Isopropyltoluene	12.06	119	20187m	2.031	ug/l	
89) n-Butylbenzene	12.38	91	84529	8.910	ug/l #	68
95) Naphthalene	13.83	128	238468	20.149	ug/l	98

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

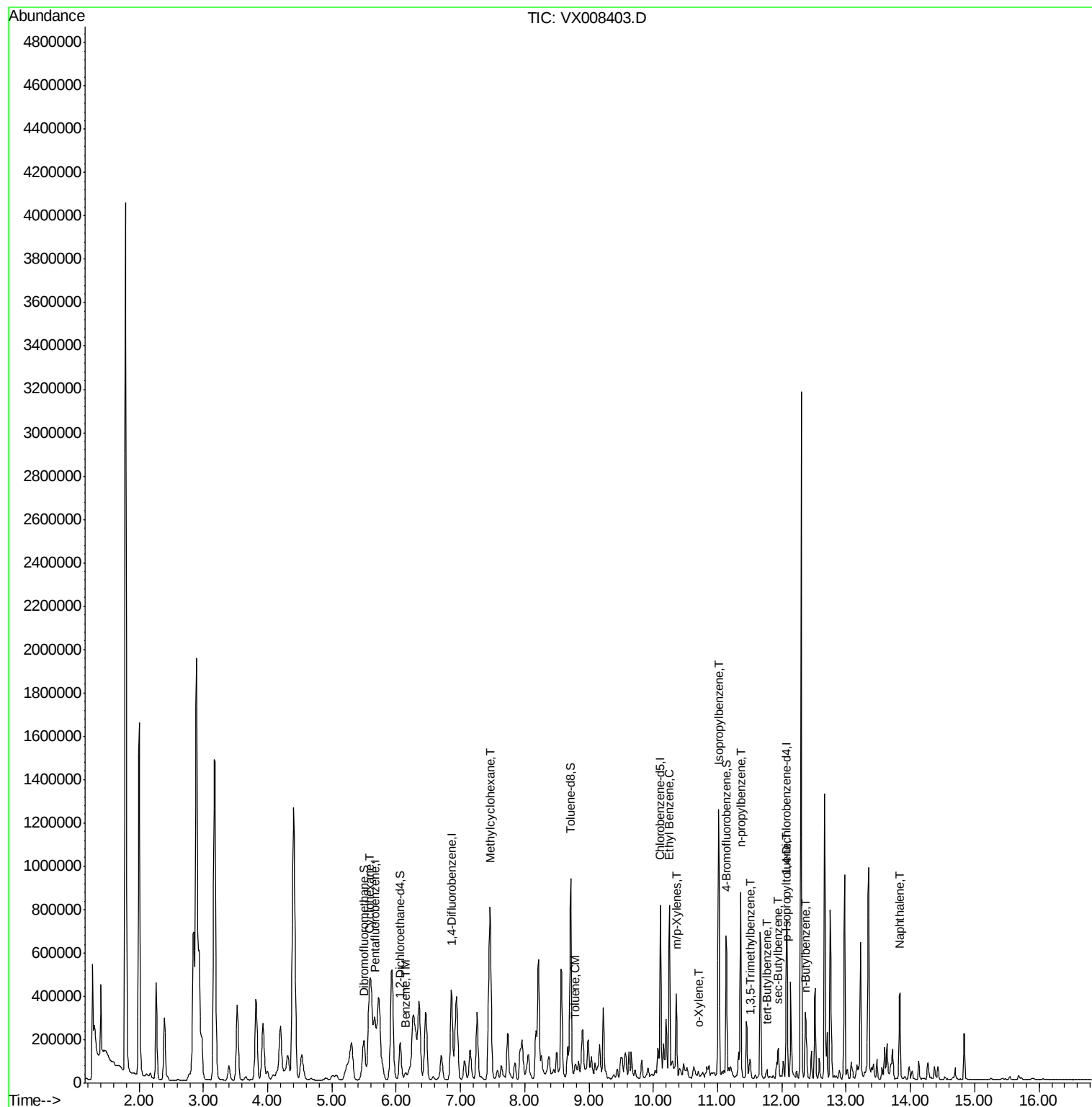
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032419\
Data File : VX008403.D
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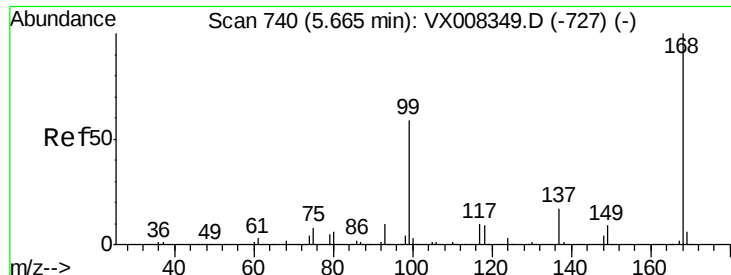
Instrument :
MSVOA_X
ClientSampleId :
MW-2

Manual Integrations
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Quant Time: Mar 25 08:05:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 15:27:34 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: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion:168 Resp: 227875

Ion Ratio Lower Upper

168 100

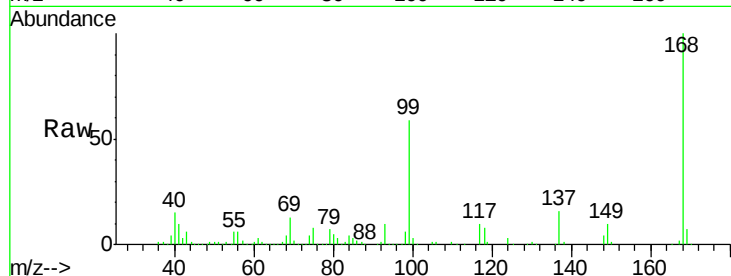
99 58.9 37.6 56.4#

Manual Integrations

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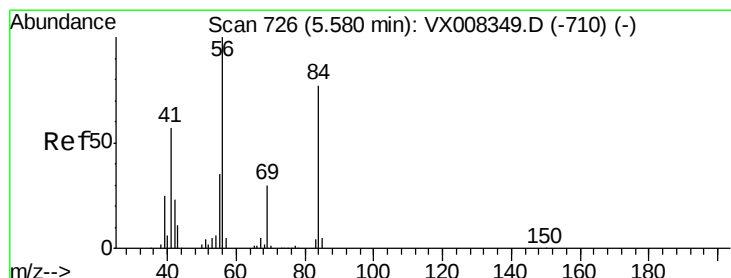
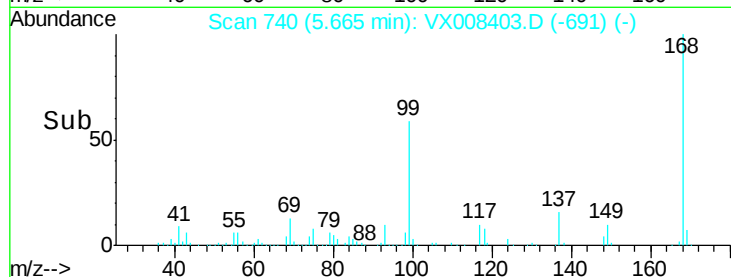
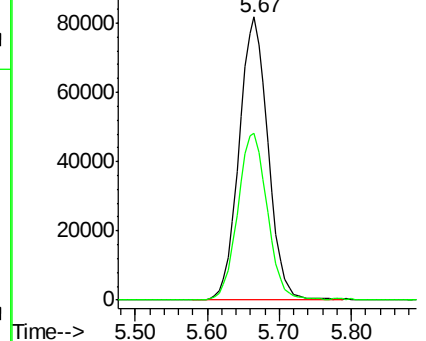
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 62.158 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

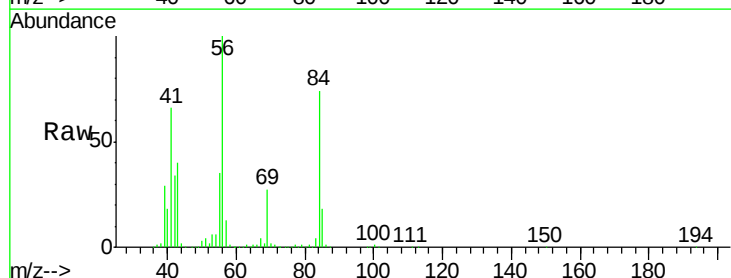
Tgt Ion: 56 Resp: 339735

Ion Ratio Lower Upper

56 100

69 20.3 24.0 36.0#

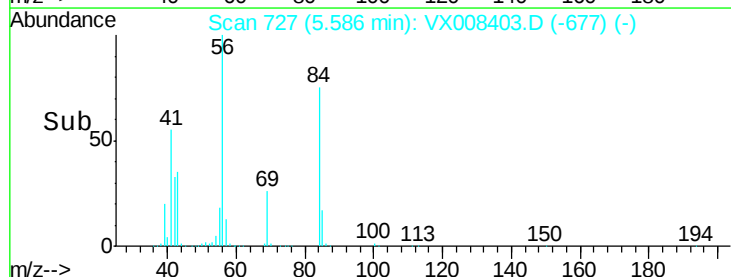
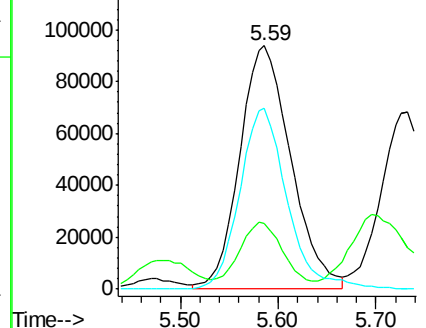
84 75.1 65.3 97.9

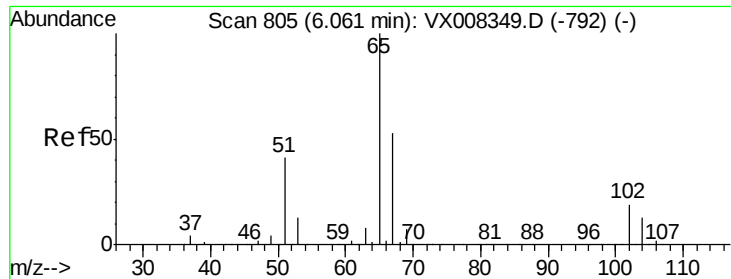


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





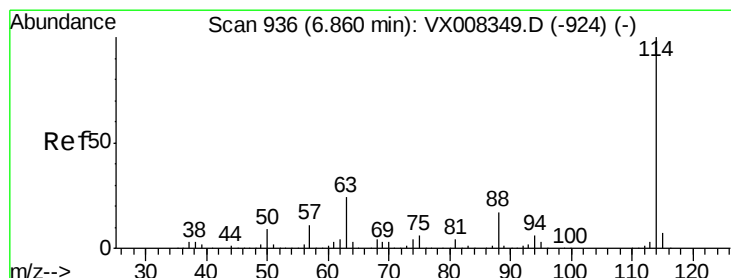
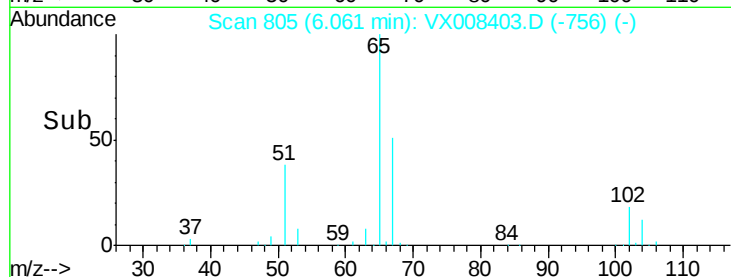
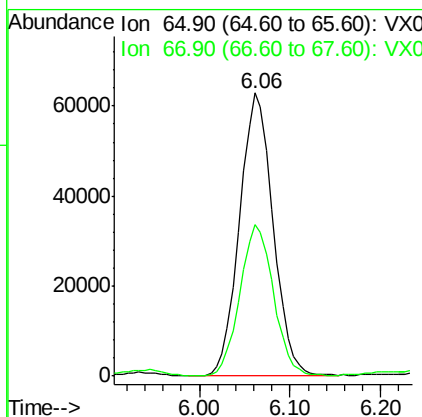
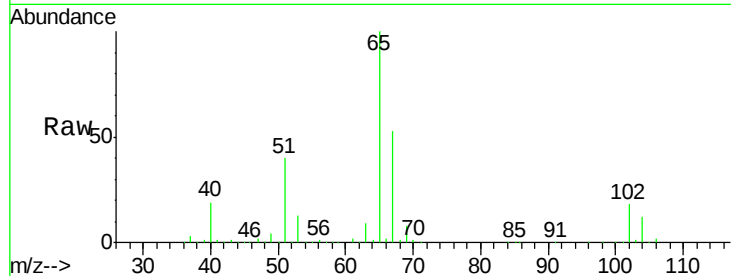
#33
 1,2-Dichloroethane-d4
 Concen: 46.320 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008403.D
 Acq: 24 Mar 2019 19:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	110.0

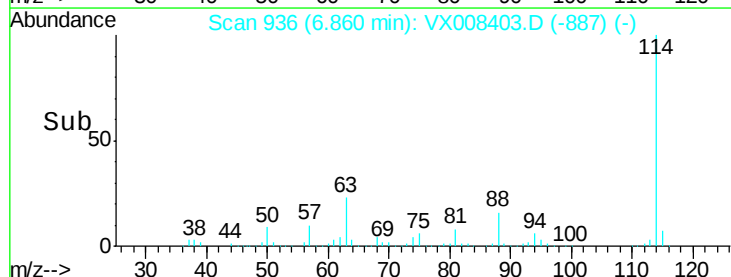
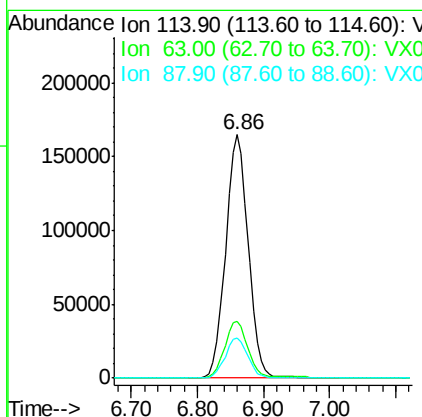
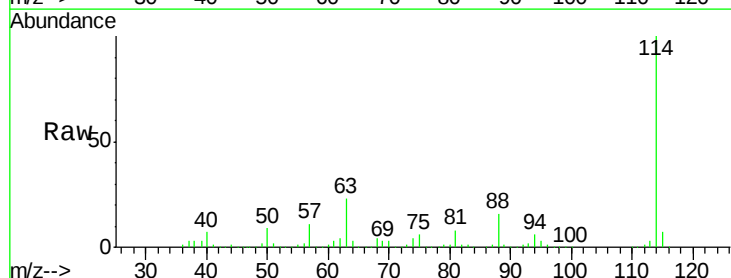
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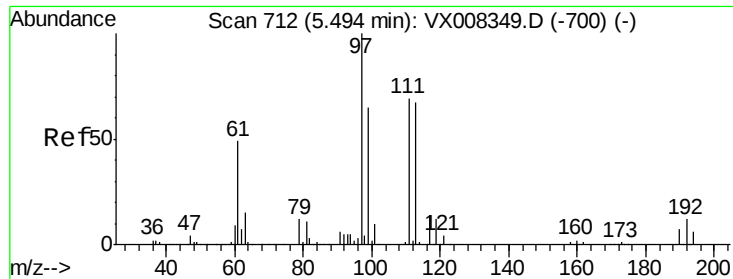
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008403.D
 Acq: 24 Mar 2019 19:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	39.8
88	16.5	0.0	31.4





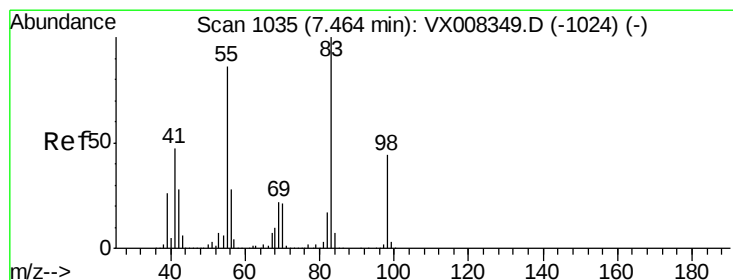
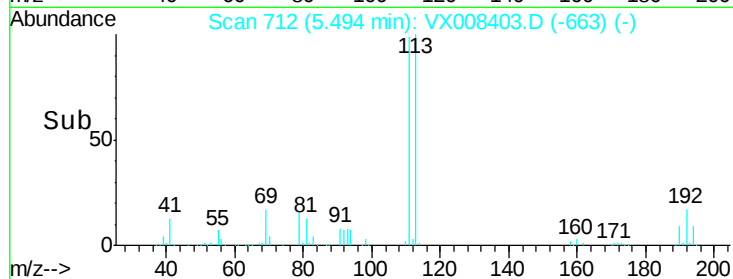
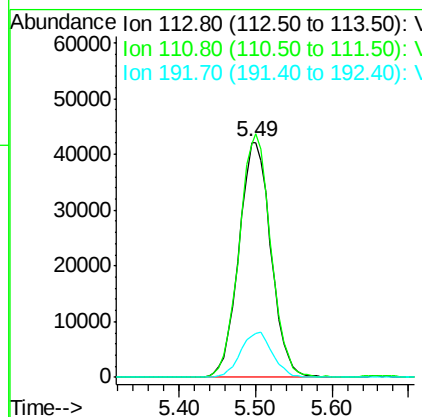
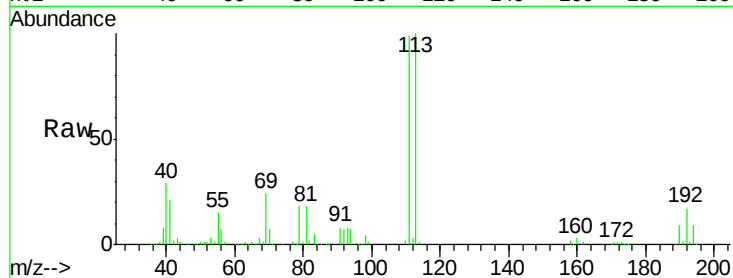
#35
Dibromofluoromethane
Concen: 48.685 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
113	100	122473		
111	102.2	81.4	122.0	
192	19.0	19.4	29.0	

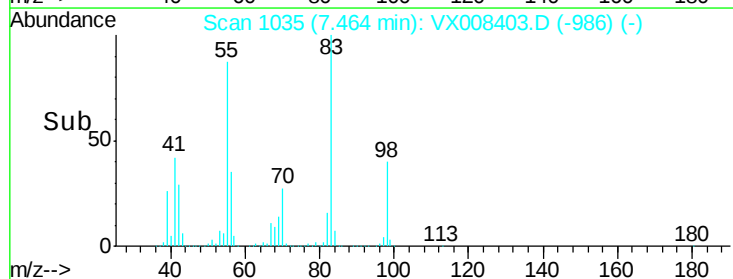
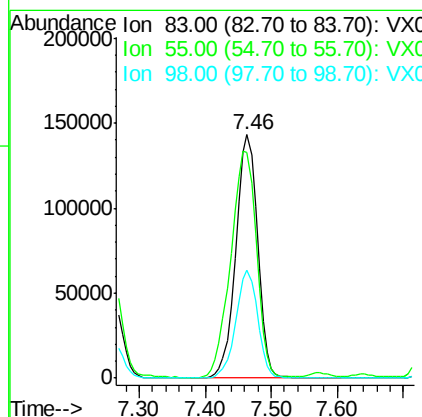
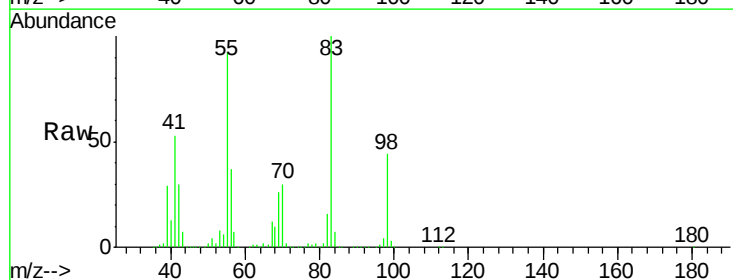
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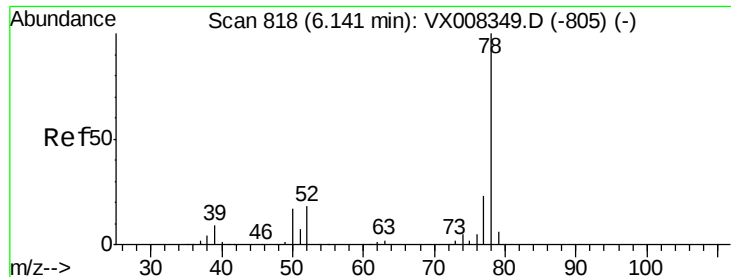
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#39
Methylcyclohexane
Concen: 67.257 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	327084		
55	92.2	60.4	90.6	
98	44.3	36.5	54.7	





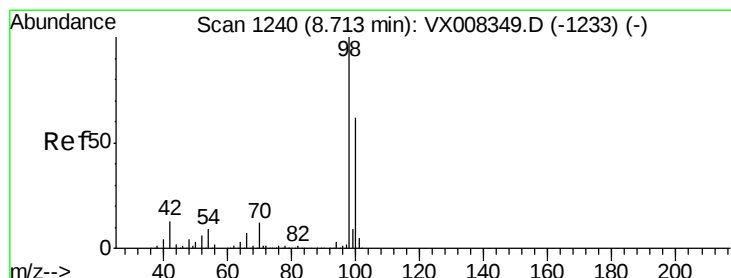
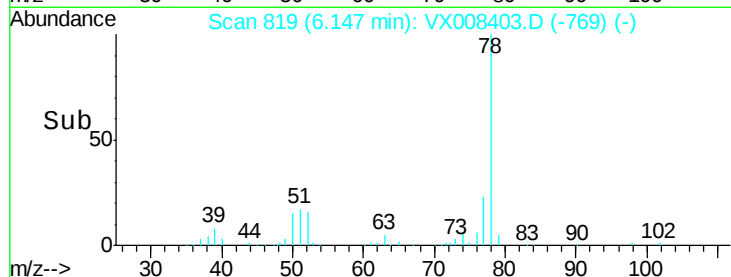
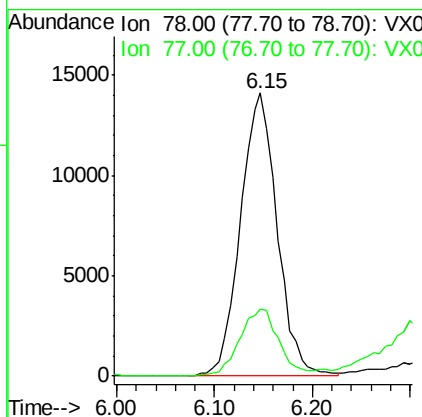
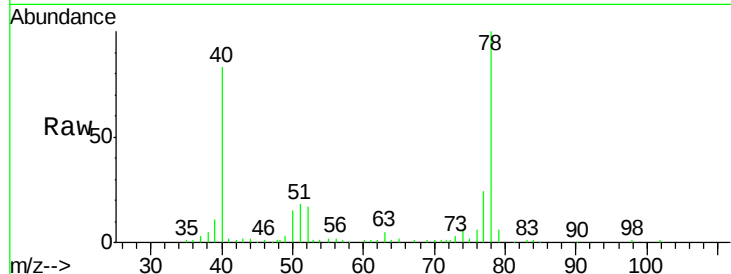
#40
Benzene
Concen: 3.045 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion: 78 Resp: 36788
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

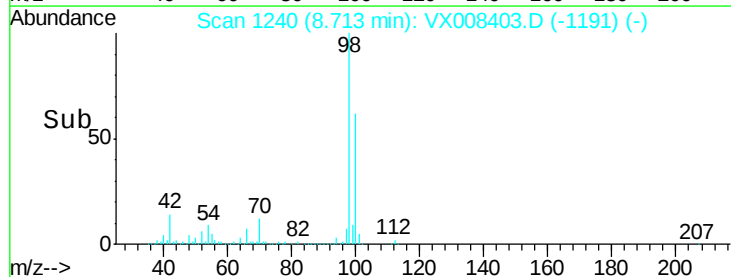
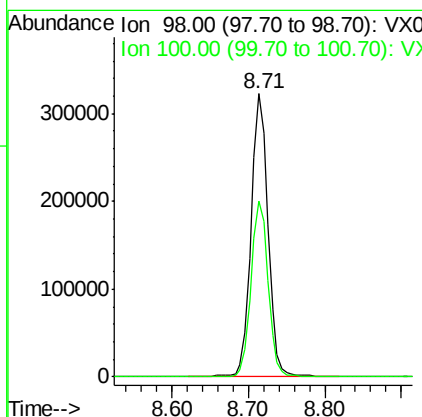
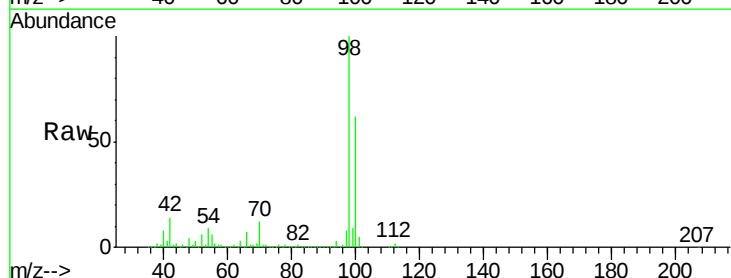
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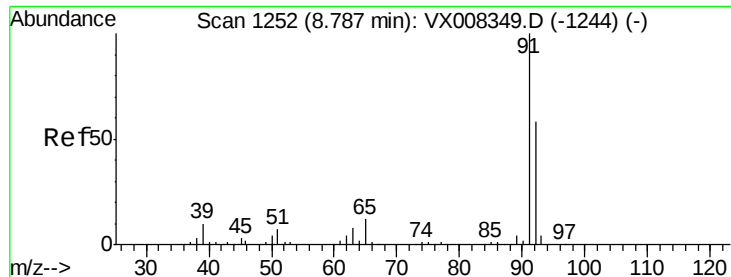
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#50
Toluene-d8
Concen: 50.191 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion: 98 Resp: 499392
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5





#52

Toluene

Concen: 2.142 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 92 Resp: 15177

Ion Ratio Lower Upper

92 100

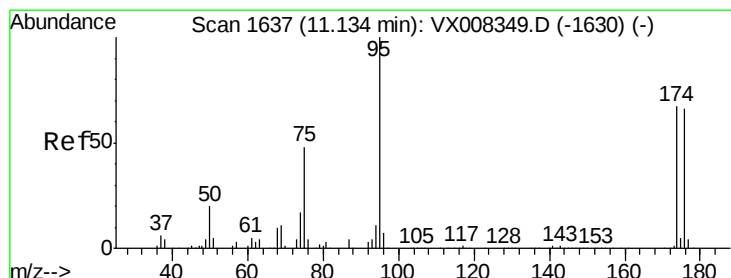
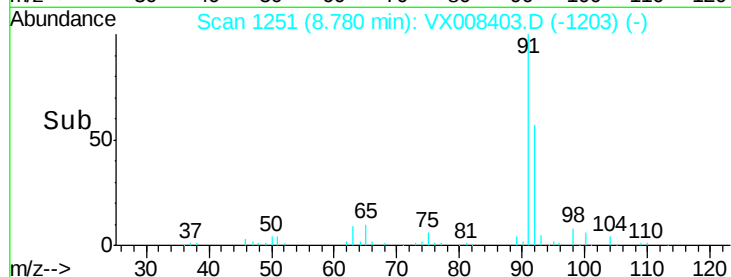
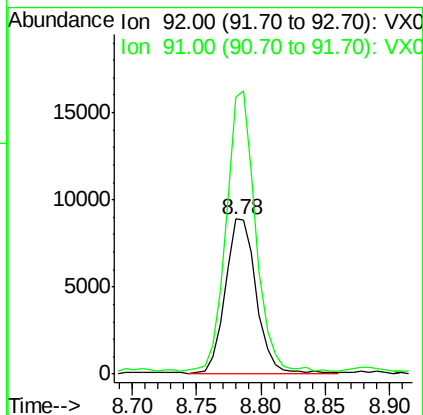
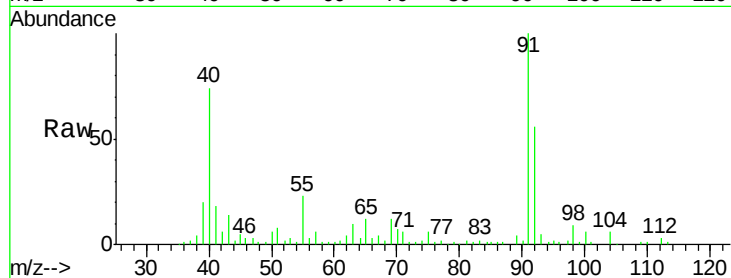
91 168.7 137.4 206.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.575 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

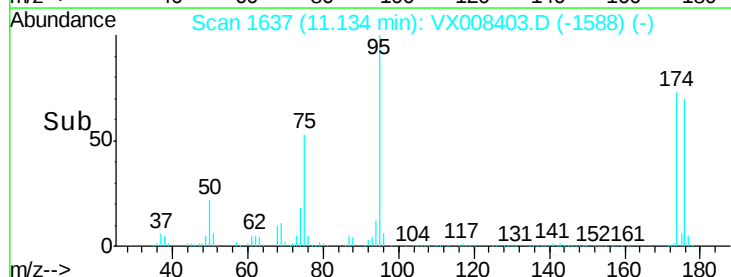
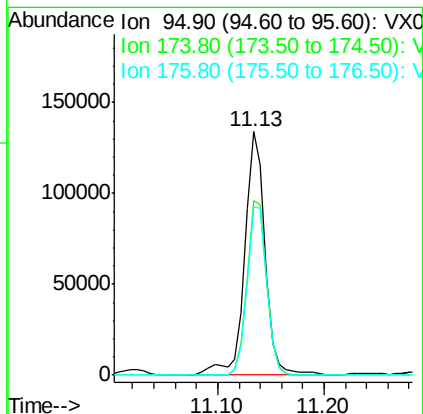
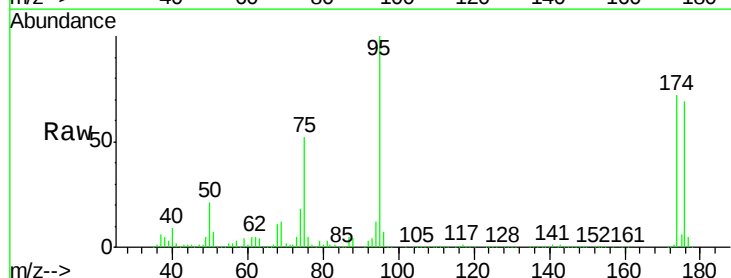
Tgt Ion: 95 Resp: 177457

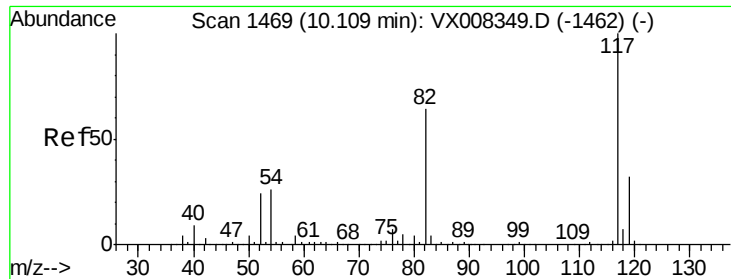
Ion Ratio Lower Upper

95 100

174 70.4 0.0 182.8

176 68.0 0.0 178.0





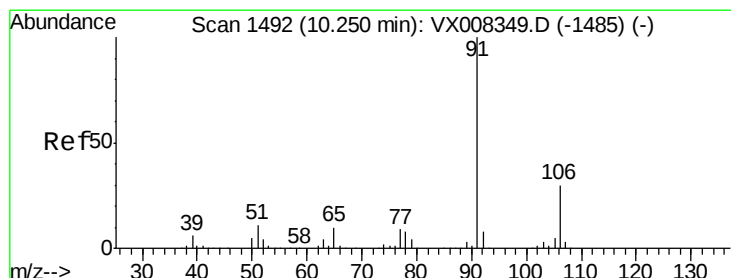
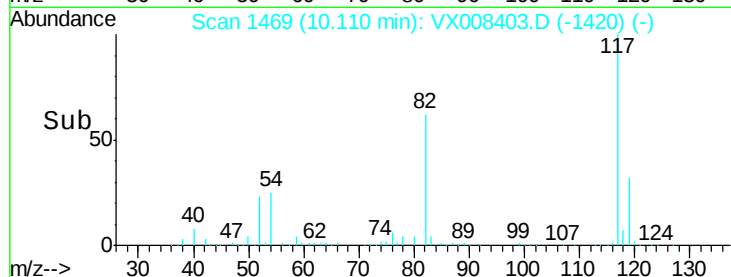
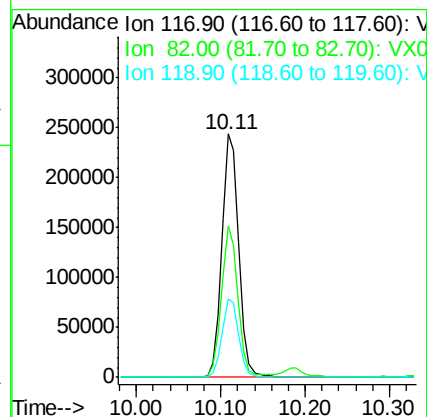
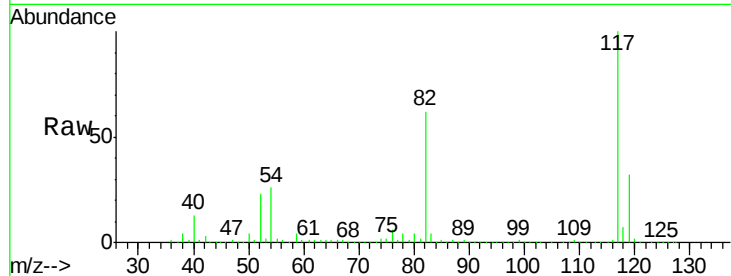
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
117	100	336850		
82	62.3	44.3	66.5	
119	32.3	25.3	37.9	

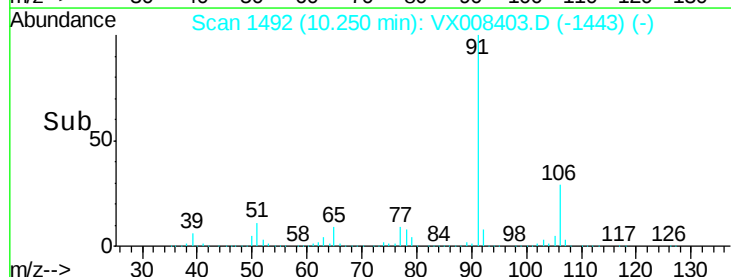
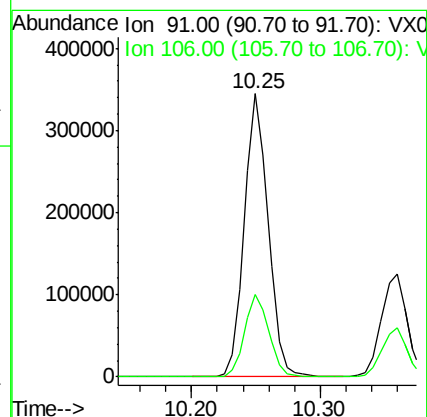
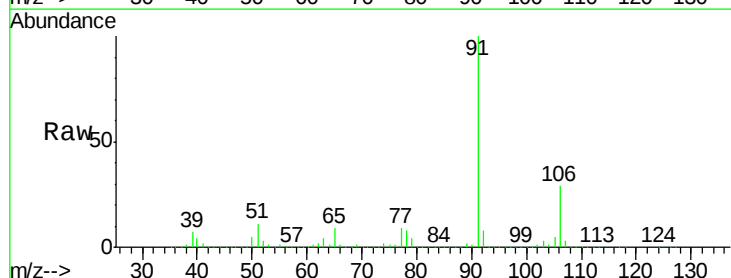
Manual Integrations
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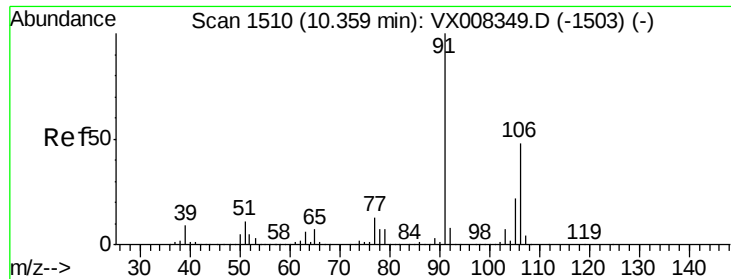
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#67
Ethyl Benzene
Concen: 33.252 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	439856		
106	29.3	25.2	37.8	





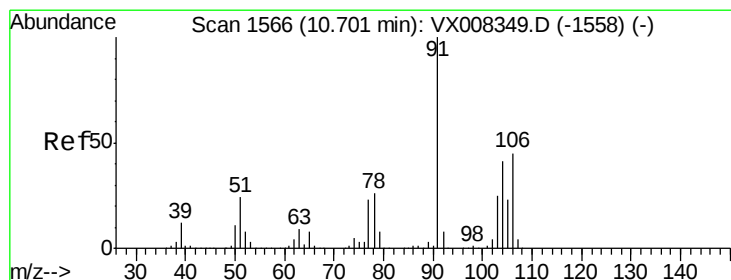
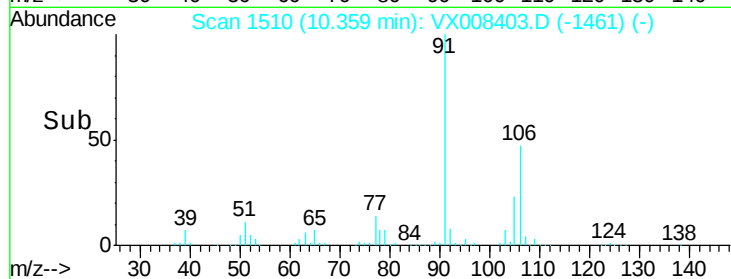
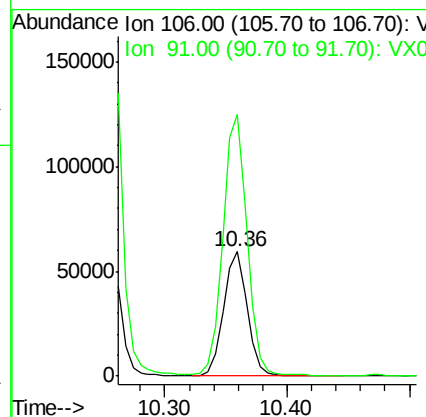
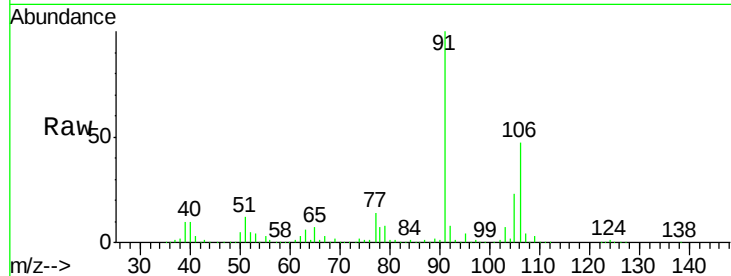
#68
m/p-Xylenes
Concen: 16.917 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion:106 Resp: 80403
Ion Ratio Lower Upper
106 100
91 213.0 159.8 239.6

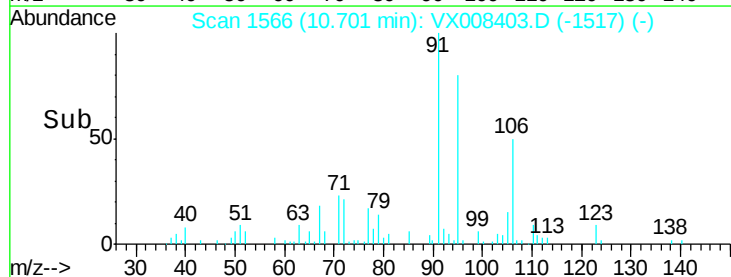
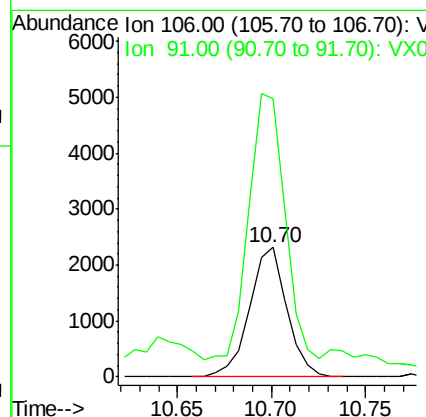
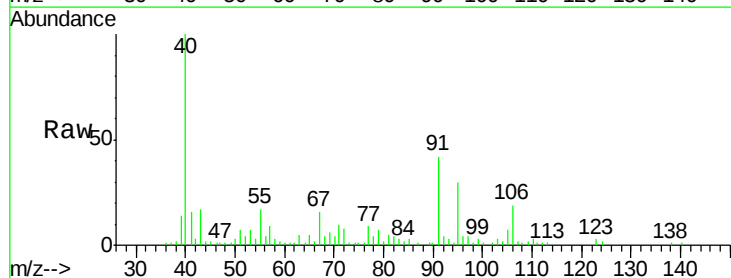
Manual Integrations
APPROVED

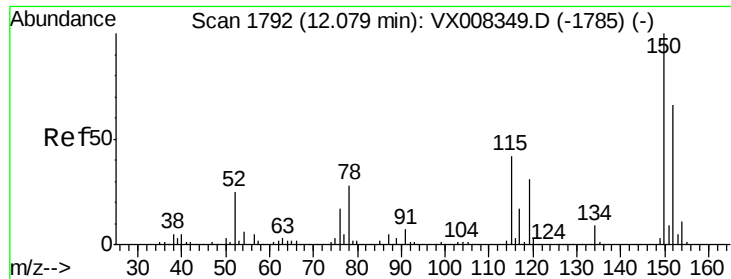
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#69
o-Xylene
Concen: 0.684 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion:106 Resp: 3181
Ion Ratio Lower Upper
106 100
91 197.4 106.3 318.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

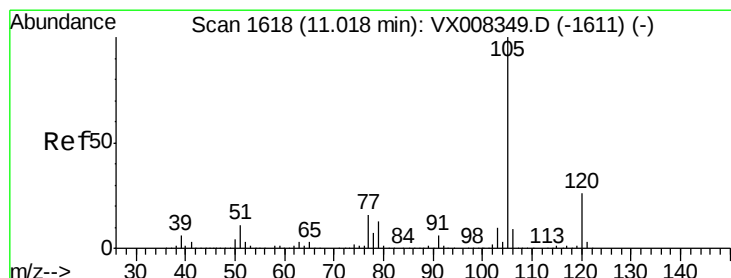
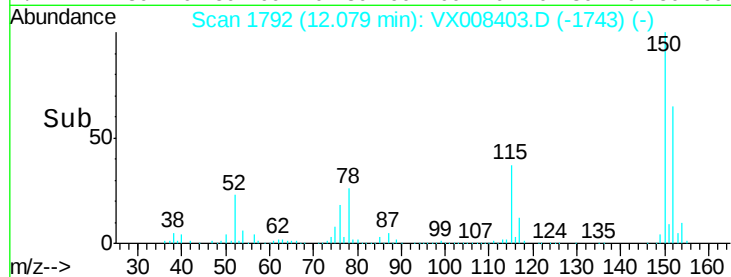
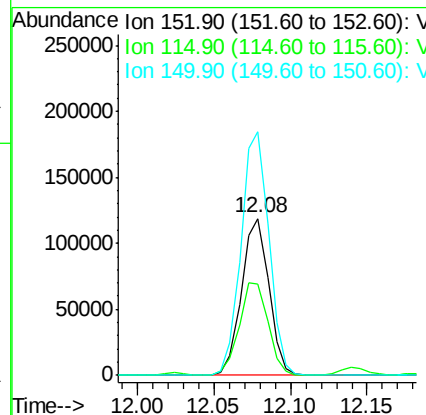
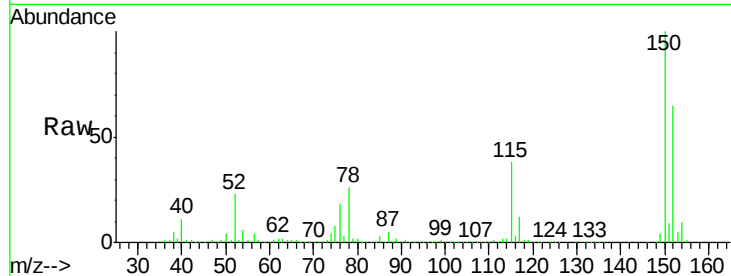
ClientSampled :

MW-2

Tot Ion	Ratio	Resp	Lower	Upper
152	100	147141		
115	61.7	38.6	115.7	
150	158.0	0.0	348.4	

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#73

Isopropylbenzene

Concen: 52.777 ug/l

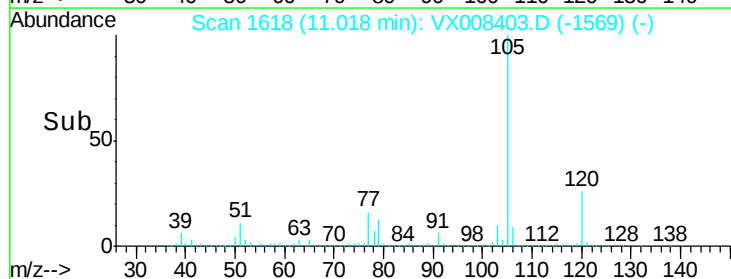
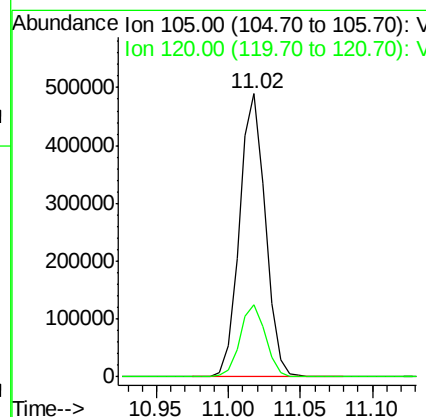
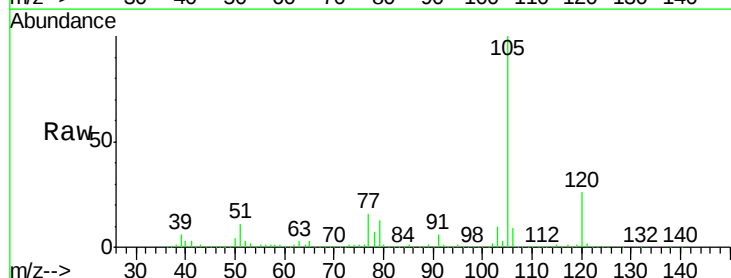
RT: 11.02 min Scan# 1618

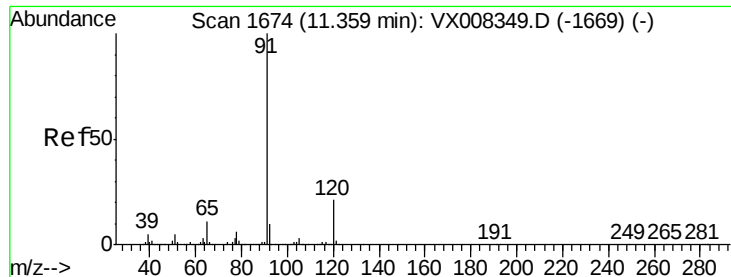
Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	612852		
120	25.4	13.4	40.1	





#78

n-propylbenzene

Concen: 36.686 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 91 Resp: 499300

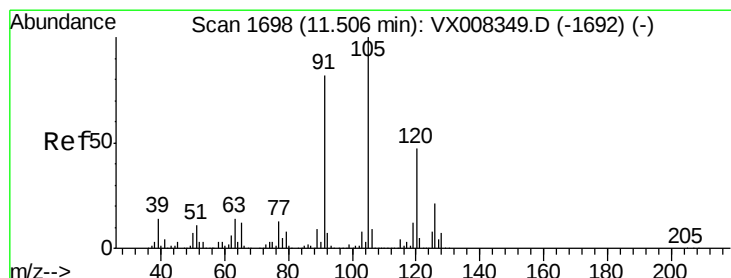
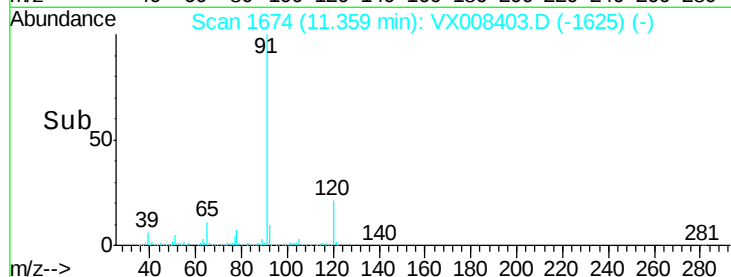
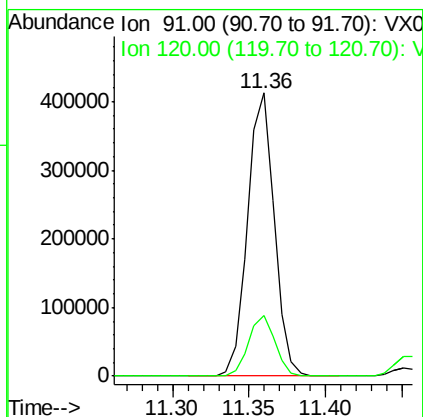
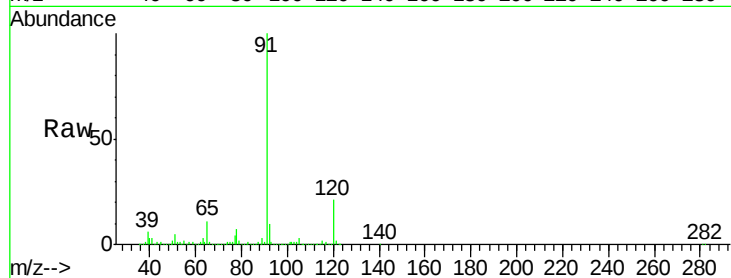
Ion Ratio Lower Upper

91 100

120 21.2 12.0 36.0

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#80

1,3,5-Trimethylbenzene

Concen: 3.221 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008403.D

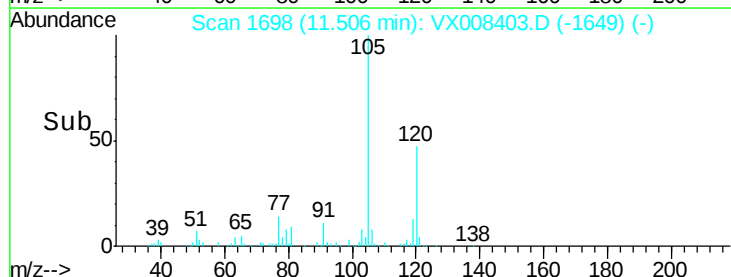
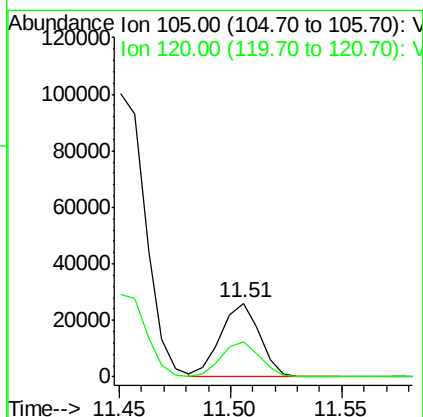
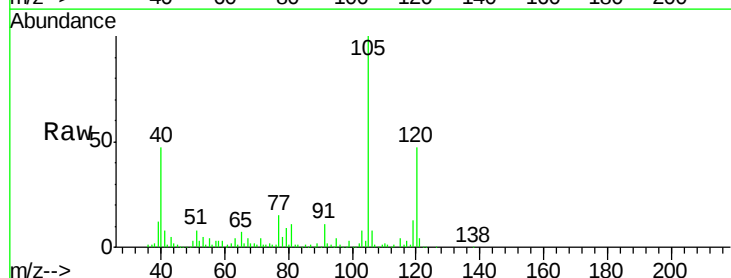
Acq: 24 Mar 2019 19:34

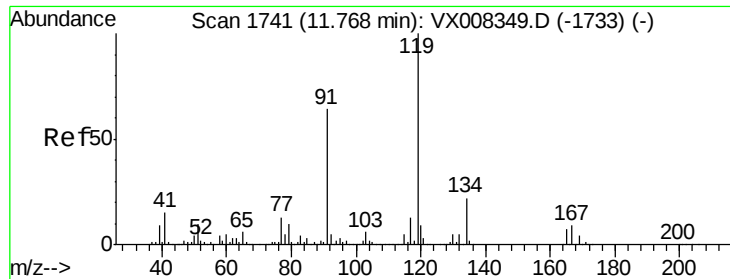
Tgt Ion: 105 Resp: 31818

Ion Ratio Lower Upper

105 100

120 47.6 24.9 74.6





#83

tert-Butylbenzene

Concen: 1.412 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

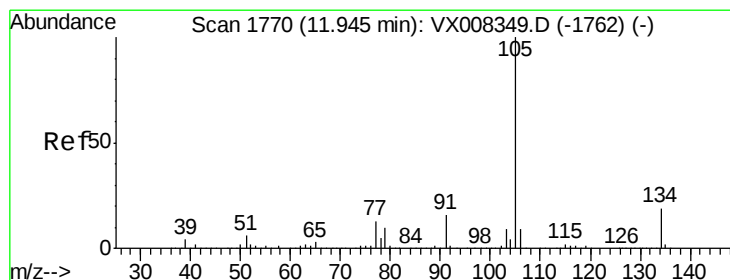
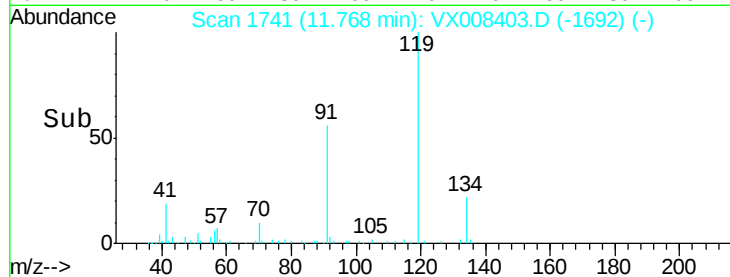
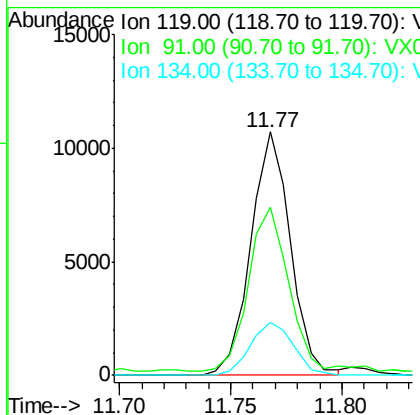
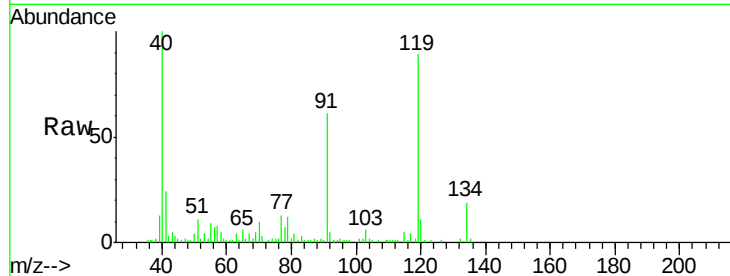
ClientSampled :

MW-2

Tot Ion:	119	Resp:	13281
Ion Ratio	Lower	Upper	
119	100		
91	70.2	27.1	81.3
134	23.4	11.4	34.1

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#85

sec-Butylbenzene

Concen: 4.153 ug/l

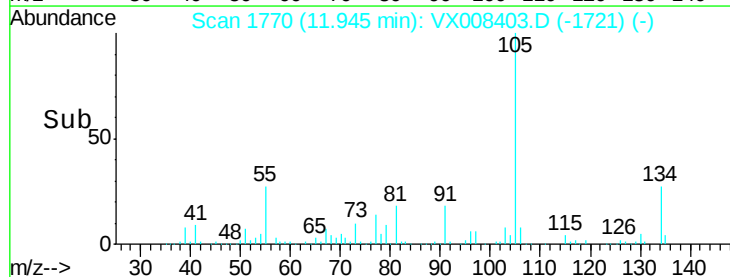
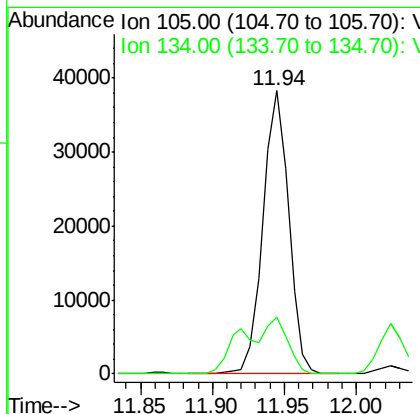
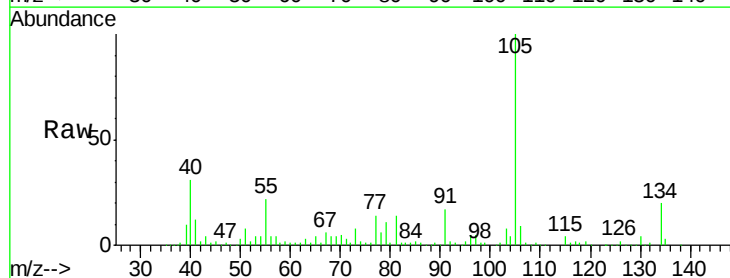
RT: 11.94 min Scan# 1770

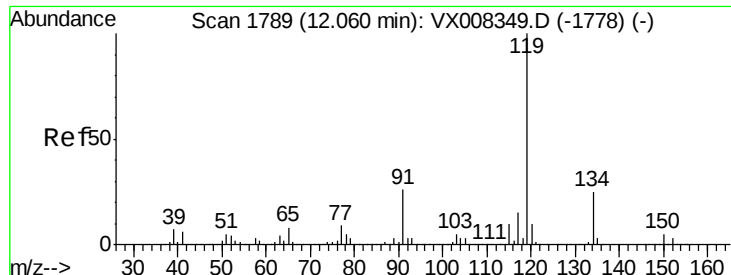
Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Tgt Ion:	105	Resp:	46823
Ion Ratio	Lower	Upper	
105	100		
134	17.3	10.4	31.2





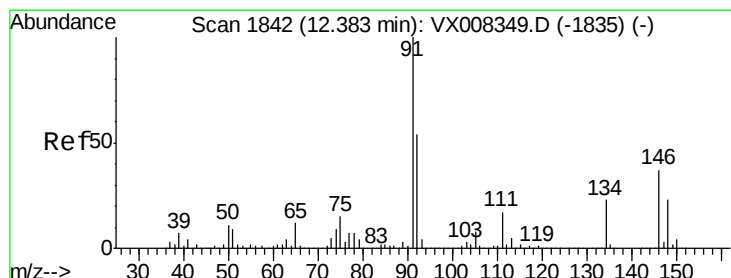
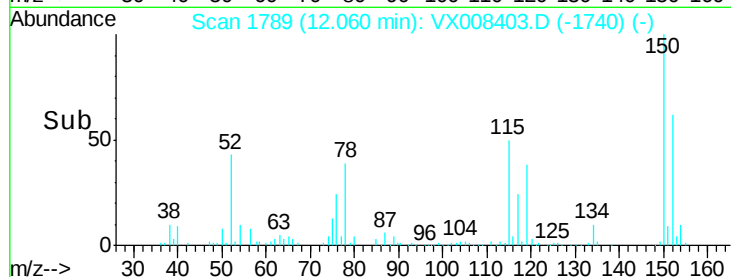
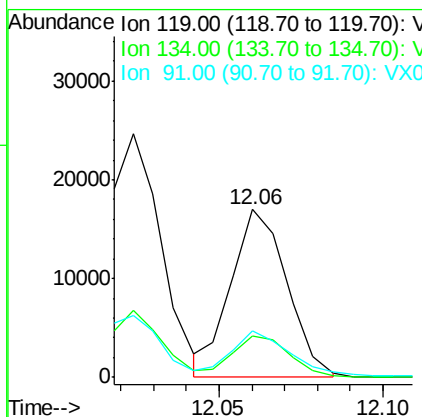
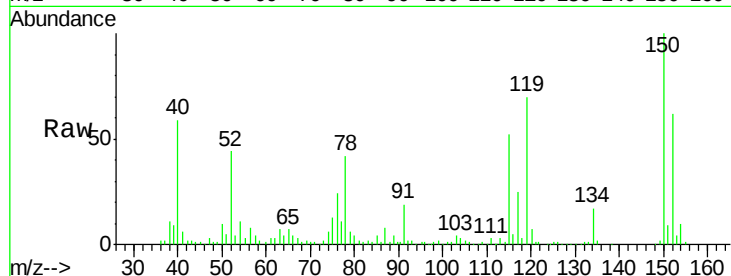
#86
p-Isopropyltoluene
Concen: 2.031 ug/l m
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
119	100	20187		
134	39.2	13.3	39.9	
91	37.7	10.9	32.7	

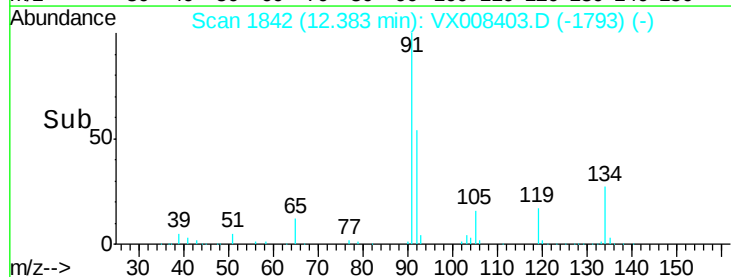
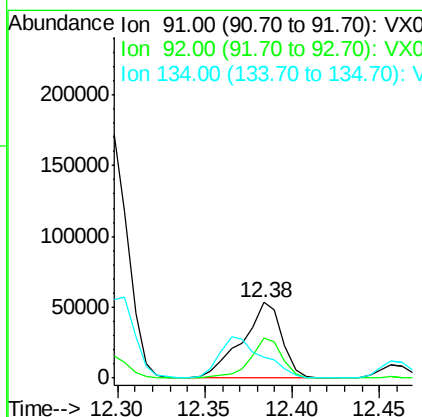
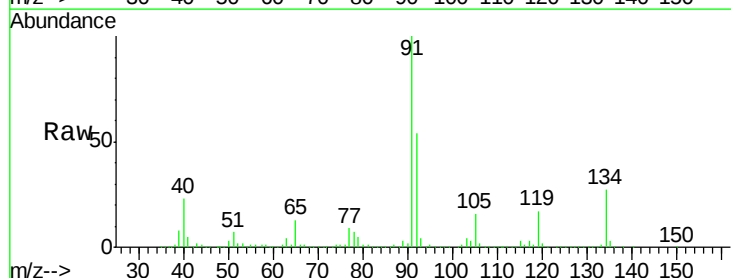
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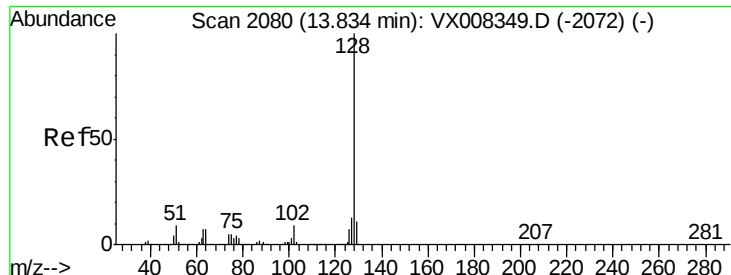
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#89
n-Butylbenzene
Concen: 8.910 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	84529		
92	42.3	27.0	80.8	
134	59.4	13.7	41.0	





#95
Naphthalene
Concen: 20.149 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
128	100	238468		
127	13.4		10.3	15.5
129	11.6		8.7	13.1

Manual Integrations
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