

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122019\
 Data File : VX014181.D
 Acq On : 20 Dec 2019 17:59
 Operator : JC/SP
 Sample : K6372-12DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3DL

Manual Integrations
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 12/23/2019 10:25:14 AM

Quant Time: Jan 04 02:29:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	558376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	853450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	759476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	350722	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	306325	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	5.49	113	251981	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	8.71	98	1008834	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.13	95	340802	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	7.45	83	12709	1.314	ug/l #	85
40) Benzene	6.14	78	130968	5.436	ug/l	98
52) Toluene	8.78	92	31877	2.093	ug/l	100
67) Ethyl Benzene	10.25	91	869377	31.315	ug/l	99
68) m/p-Xylenes	10.36	106	236355	22.135	ug/l	100
69) o-Xylene	10.69	106	40950	3.910	ug/l	95
73) Isopropylbenzene	11.01	105	54929	2.224	ug/l	94
78) n-propylbenzene	11.35	91	131929	4.763	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	38337	1.845	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	758168	36.429	ug/l	99
85) sec-Butylbenzene	11.94	105	16584m	0.695	ug/l	
86) p-Isopropyltoluene	12.06	119	10045	0.460	ug/l	84
89) n-Butylbenzene	12.38	91	14385m	0.772	ug/l	
95) Naphthalene	13.83	128	368097	16.081	ug/l	100

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

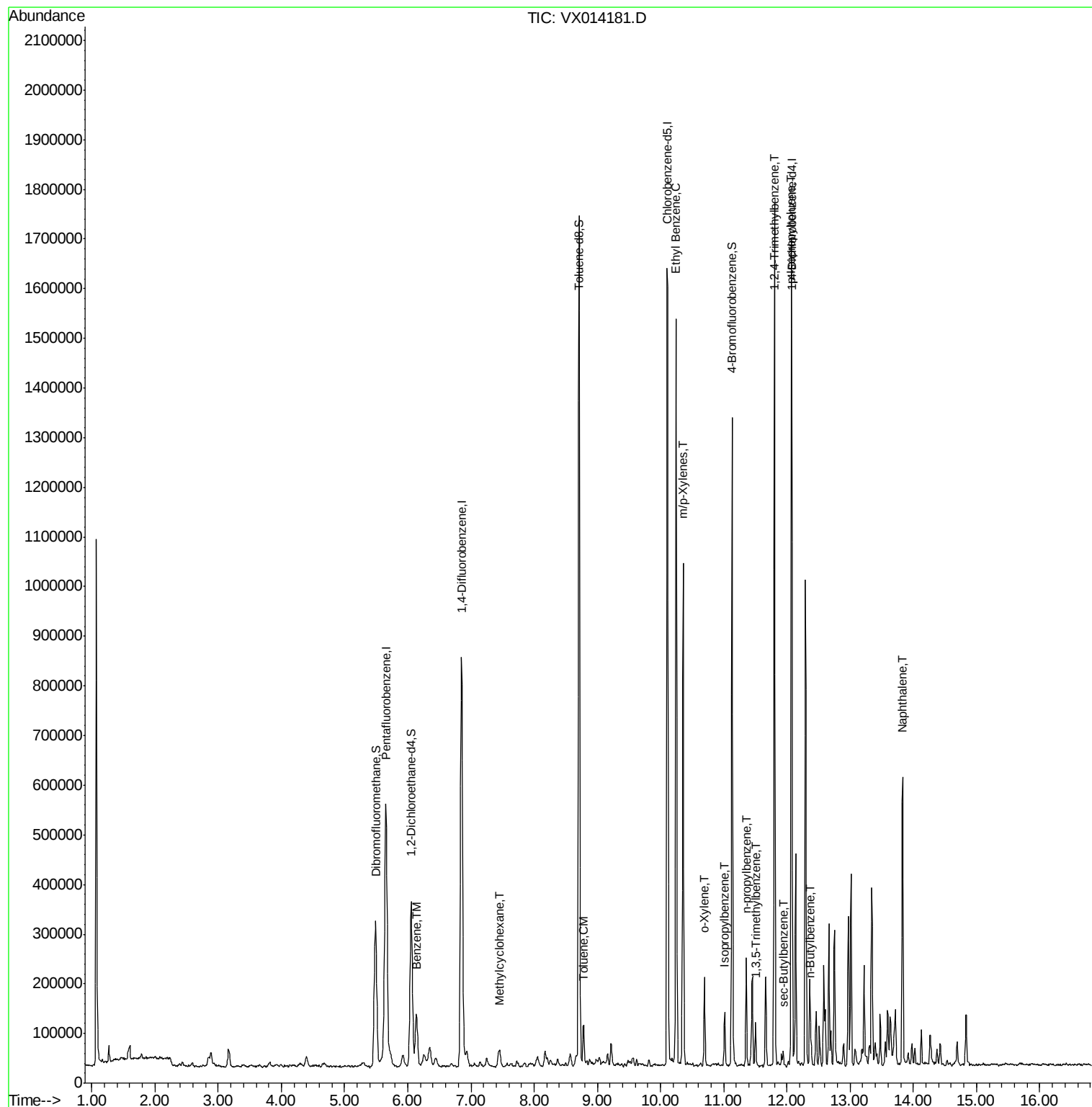
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122019\
Data File : VX014181.D
Acq On : 20 Dec 2019 17:59
Operator : JC/SP
Sample : K6372-12DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

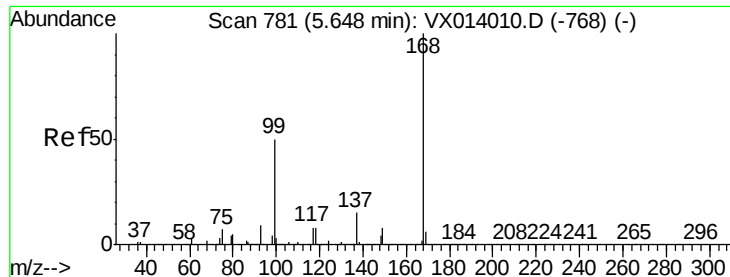
Instrument :
MSVOA_X
ClientSampleId :
MW-3DL

Manual Integrations
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Quant Time: Jan 04 02:29:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

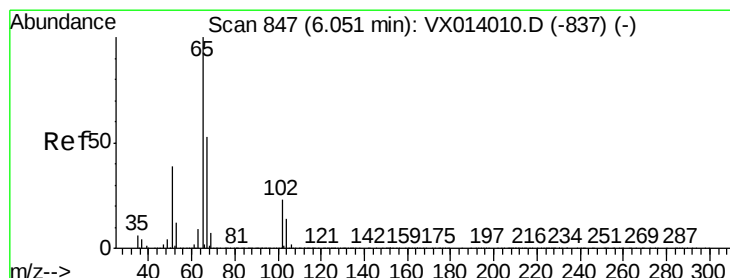
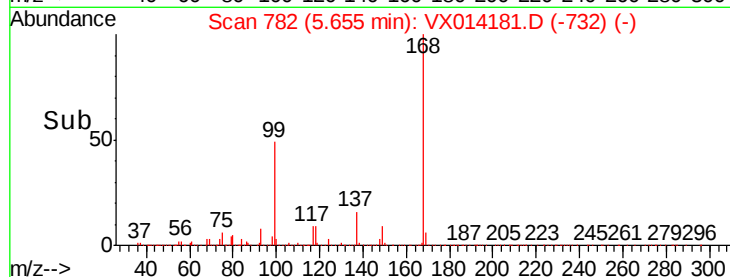
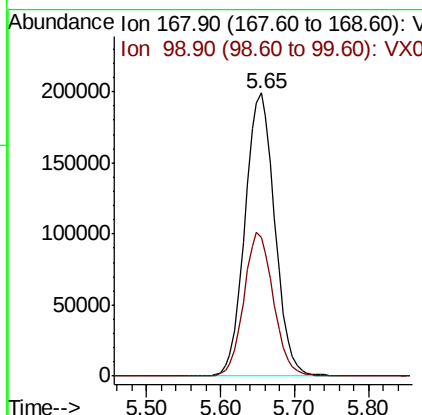
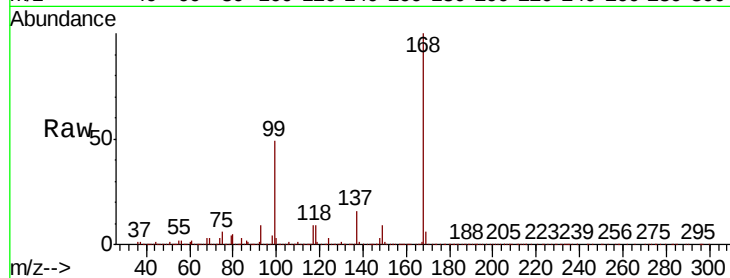
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX014181.D
Acq: 20 Dec 2019 17:59

Instrument :
MSVOA_X
ClientSampled :
MW-3DL

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.0	40.3	60.5

Manual Integrations
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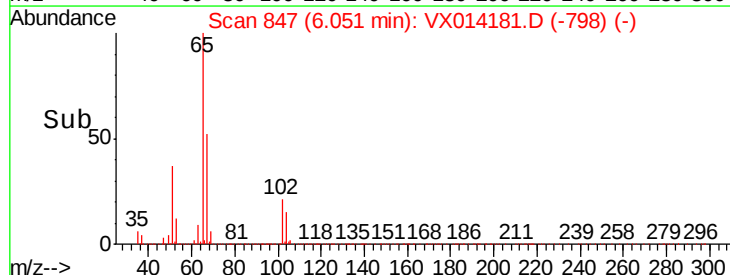
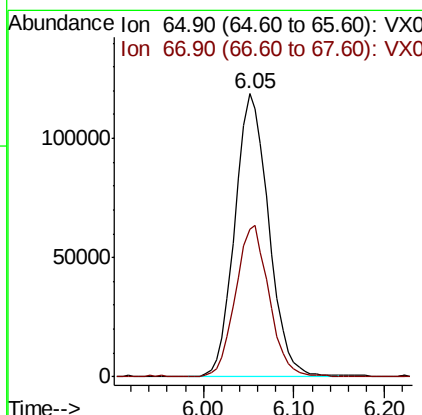
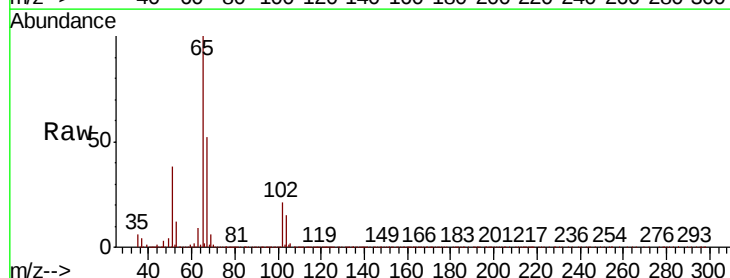
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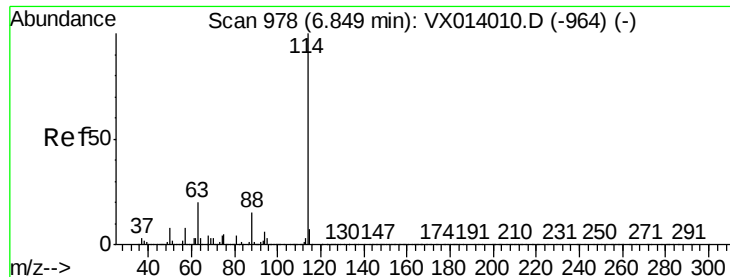


#33

1,2-Dichloroethane-d4
Concen: 48.405 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014181.D
Acq: 20 Dec 2019 17:59

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014181.D

Acq: 20 Dec 2019 17:59

Instrument :

MSVOA_X

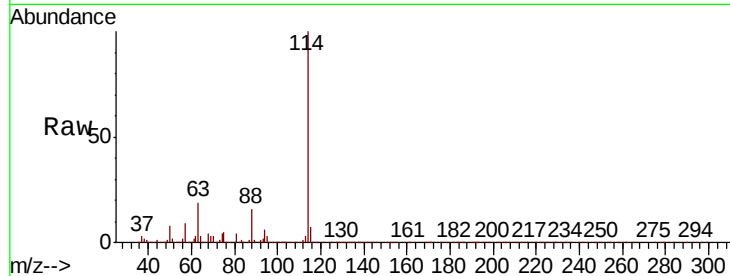
ClientSampleId :

MW-3DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	853450		
63	19.4	0.0	40.8	
88	15.6	0.0	30.4	

Manual Integrations
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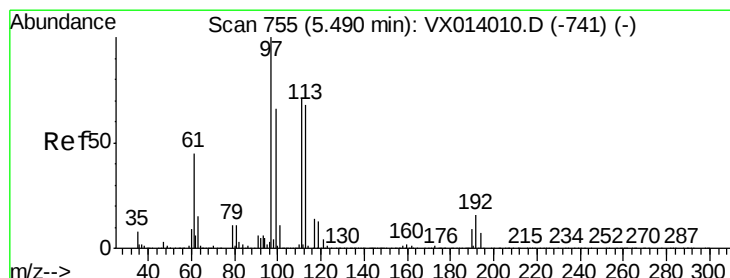
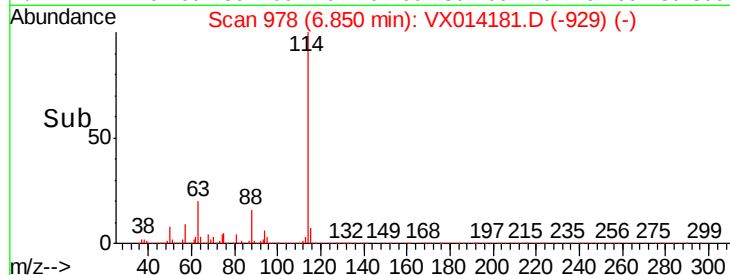
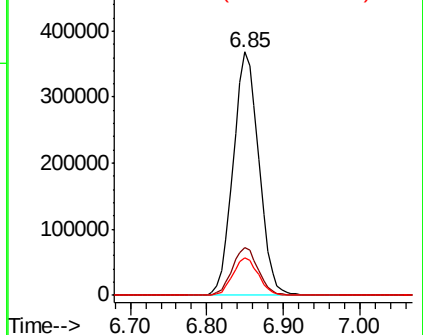
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.570 ug/l

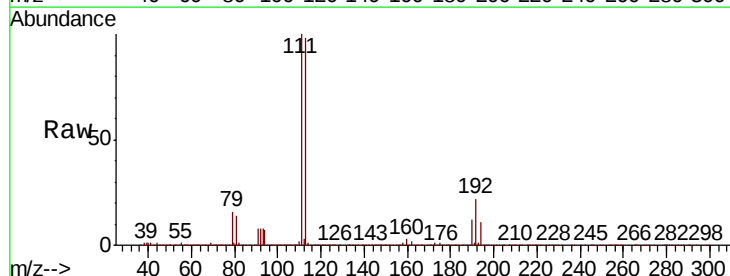
RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014181.D

Acq: 20 Dec 2019 17:59

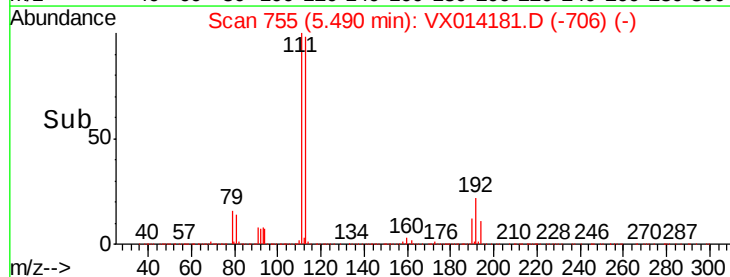
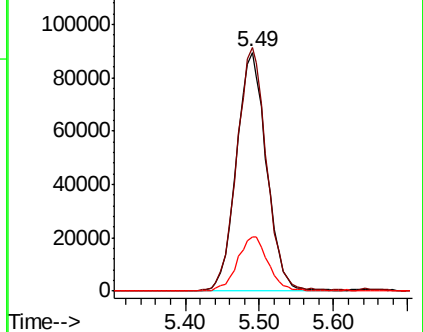
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	251981		
111	101.6	82.0	123.0	
192	23.4	19.3	28.9	

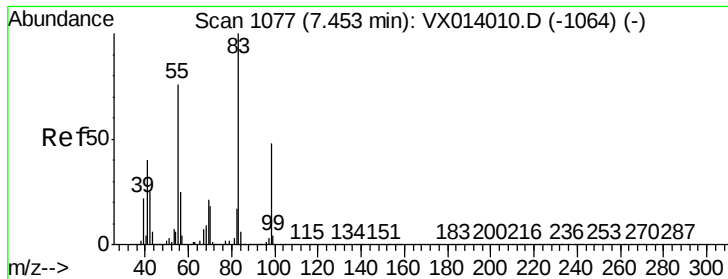


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





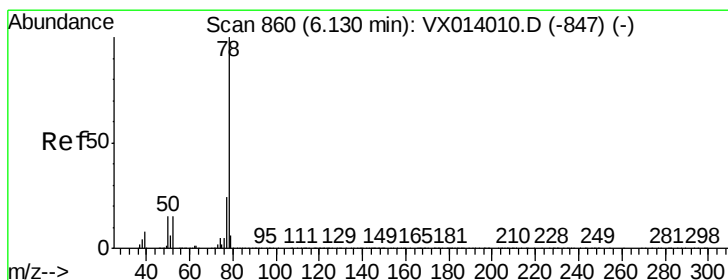
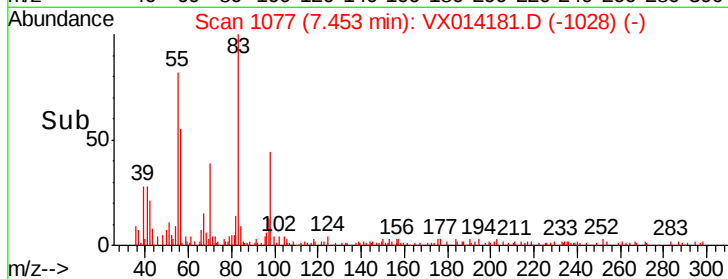
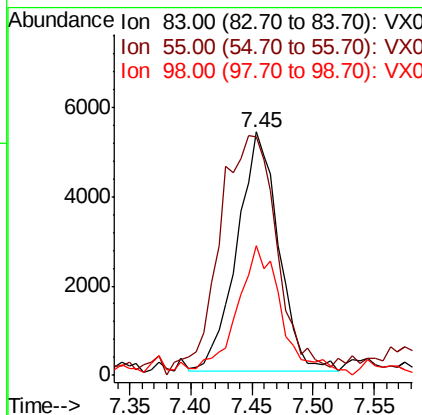
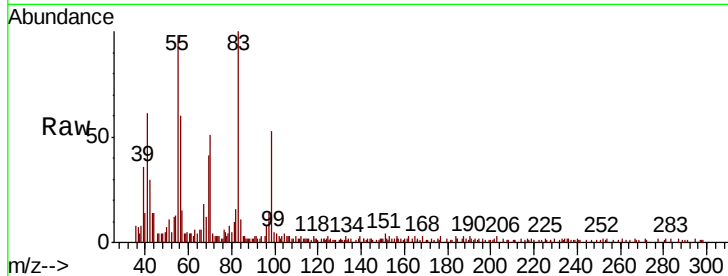
#39
Methvlcvclohexane
Concen: 1.314 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX014181.D
Acq: 20 Dec 2019 17:59

Instrument :
MSVOA_X
ClientSampleId :
MW-3DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.6	61.0	91.6#
98	52.1	38.6	57.8

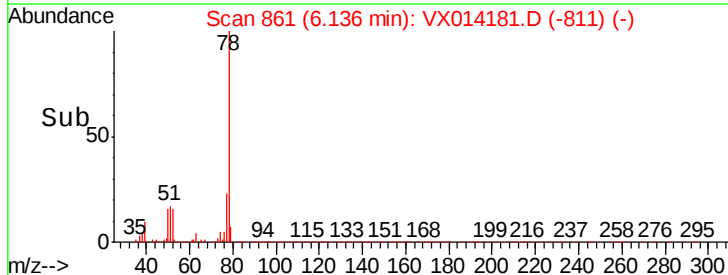
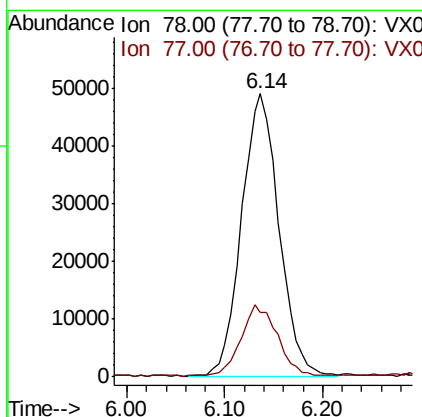
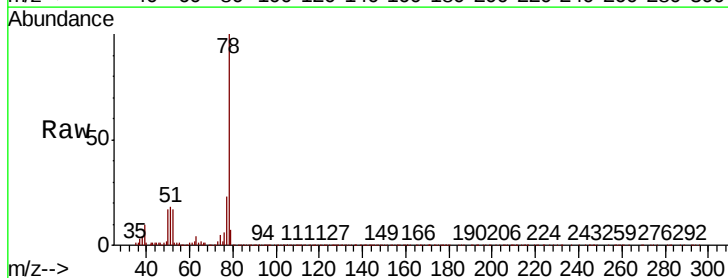
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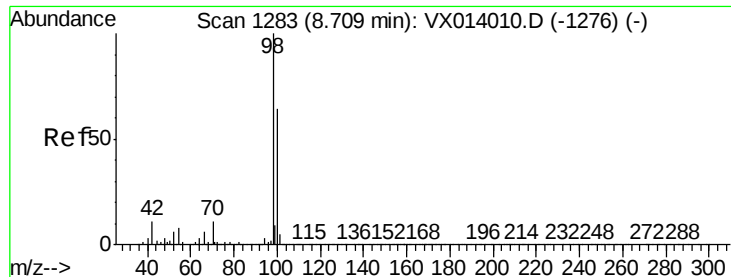
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#40
Benzene
Concen: 5.436 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014181.D
Acq: 20 Dec 2019 17:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.8	28.2





#50

Toluene-d8

Concen: 49.947 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014181.D

Acq: 20 Dec 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

Tot Ion: 98 Resp: 1008834

Ion Ratio Lower Upper

98 100

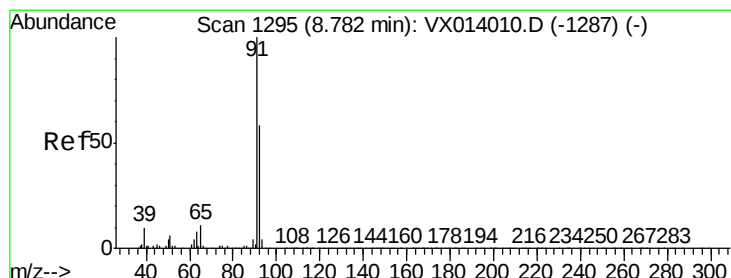
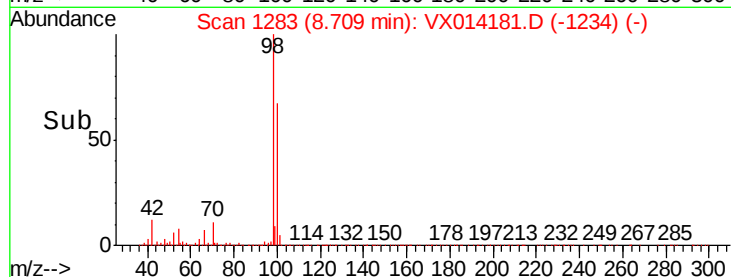
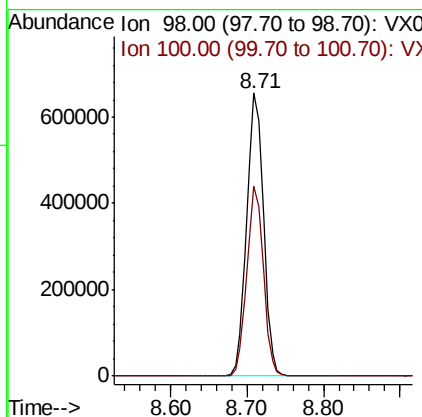
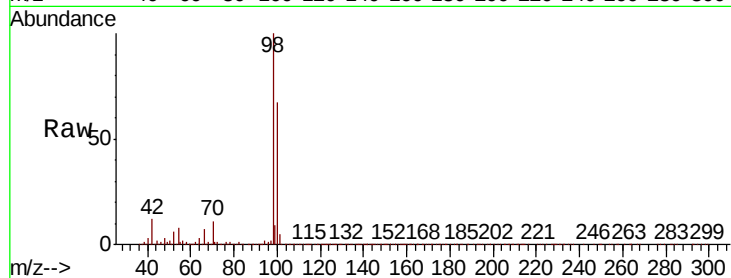
100 65.9 52.9 79.3

Manual Integrations

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#52

Toluene

Concen: 2.093 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014181.D

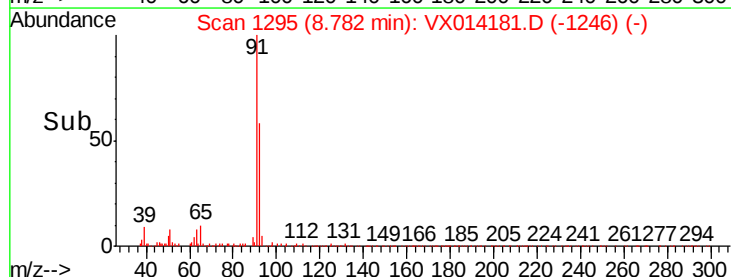
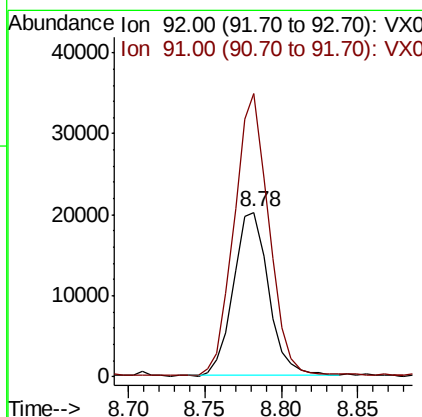
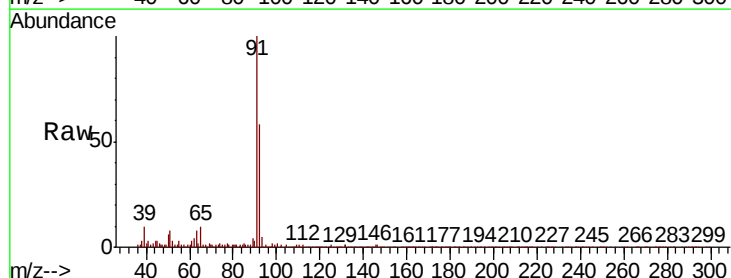
Acq: 20 Dec 2019 17:59

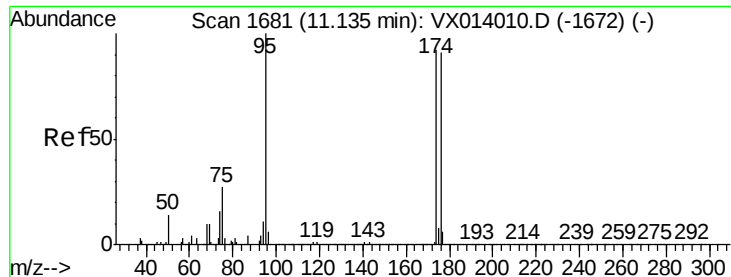
Tgt Ion: 92 Resp: 31877

Ion Ratio Lower Upper

92 100

91 170.3 136.2 204.4





#62

4-Bromofluorobenzene

Concen: 46.158 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014181.D

Acq: 20 Dec 2019 17:59

Instrument :

MSVOA_X

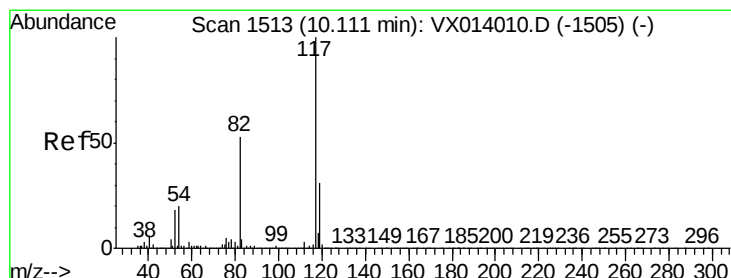
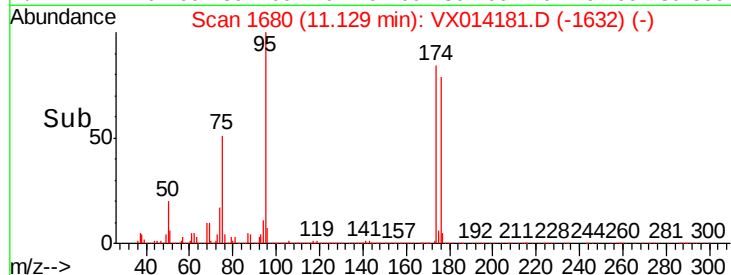
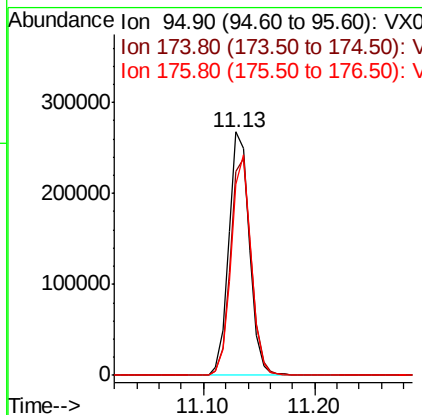
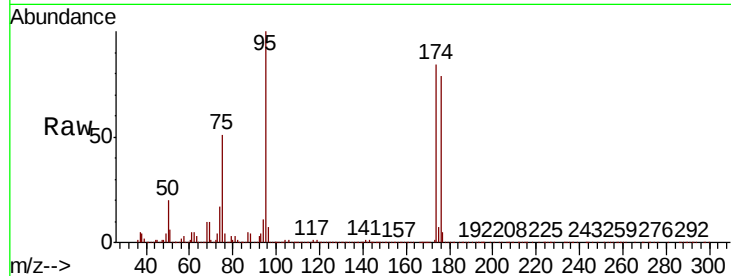
ClientSampled :

MW-3DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	340802		
174	90.1	0.0	175.8	
176	87.7	0.0	173.0	

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

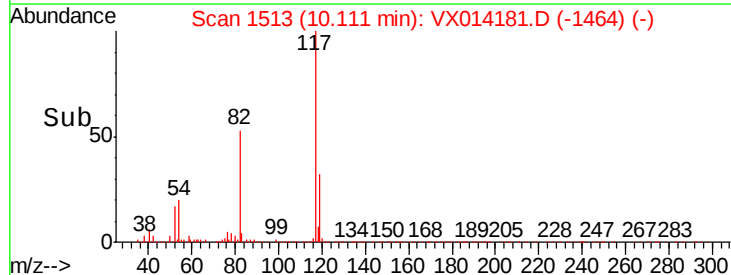
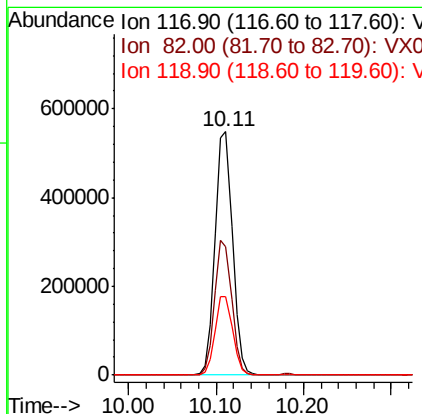
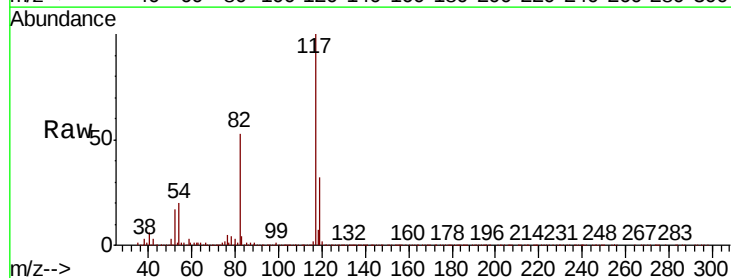
RT: 10.11 min Scan# 1513

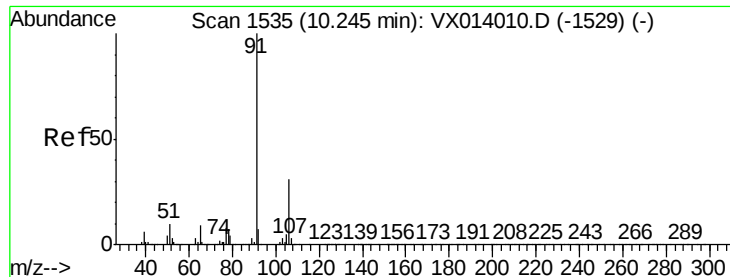
Delta R.T. 0.00 min

Lab File: VX014181.D

Acq: 20 Dec 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	759476		
82	52.8	42.2	63.4	
119	32.2	25.1	37.7	





#67

Ethyl Benzene

Concen: 31.315 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014181.D

Acq: 20 Dec 2019 17:59

Instrument :

MSVOA_X

ClientSampled :

MW-3DL

Tot Ion: 91 Resp: 869377

Ion Ratio Lower Upper

91 100

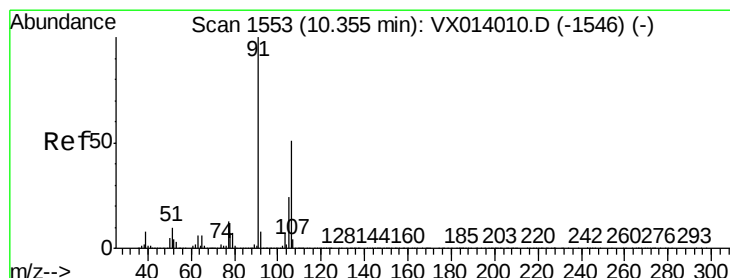
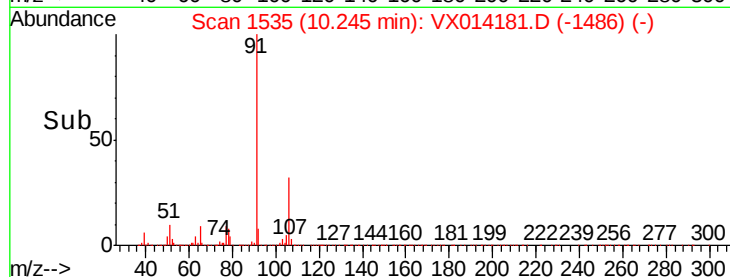
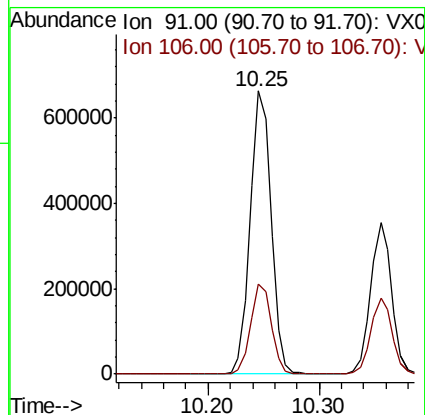
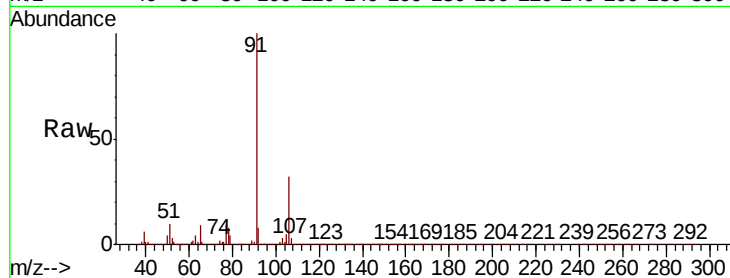
106 31.8 25.0 37.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 22.135 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014181.D

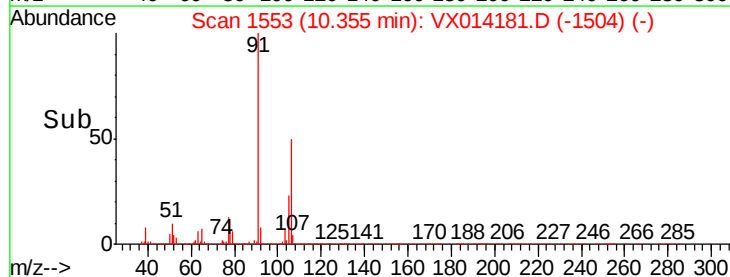
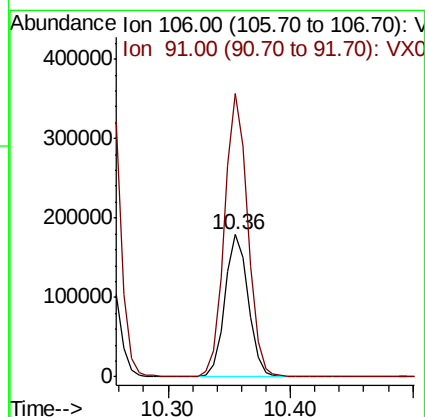
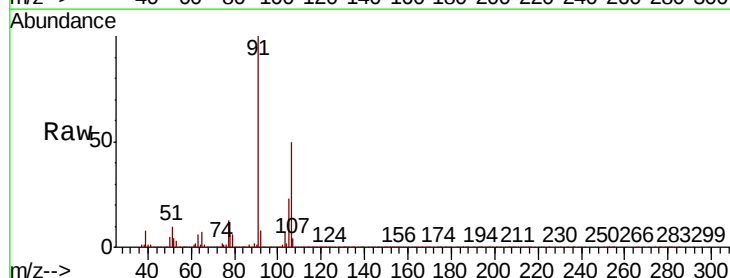
Acq: 20 Dec 2019 17:59

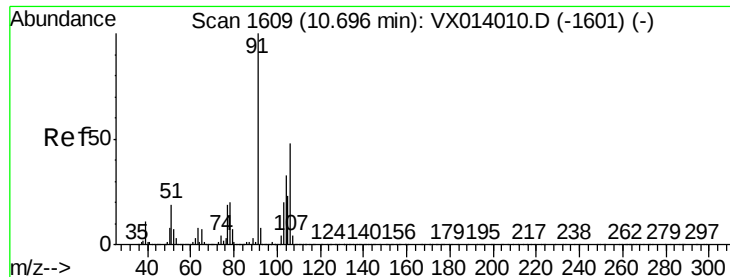
Tgt Ion: 106 Resp: 236355

Ion Ratio Lower Upper

106 100

91 197.9 158.6 238.0





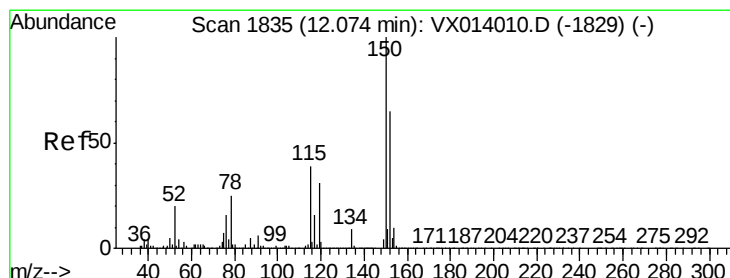
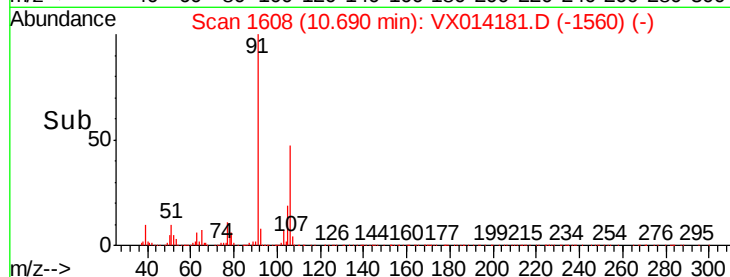
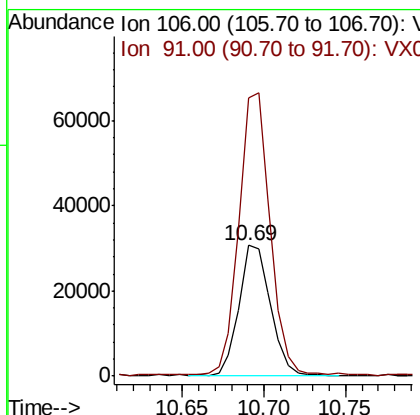
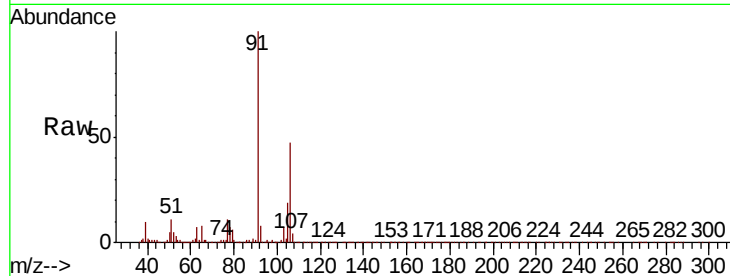
#69
o-Xylene
Concen: 3.910 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014181.D
Acq: 20 Dec 2019 17:59

Instrument :
MSVOA_X
ClientSampled :
MW-3DL

Tot Ion:106 Resp: 40950
Ion Ratio Lower Upper
106 100
91 216.4 104.2 312.6

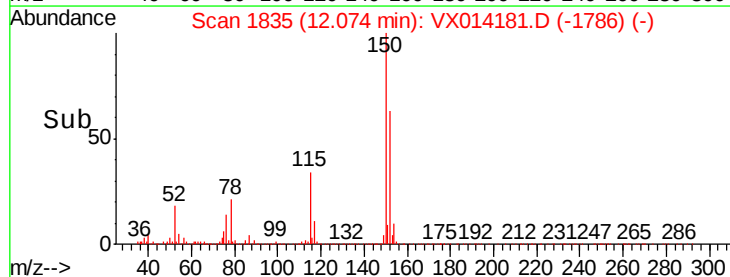
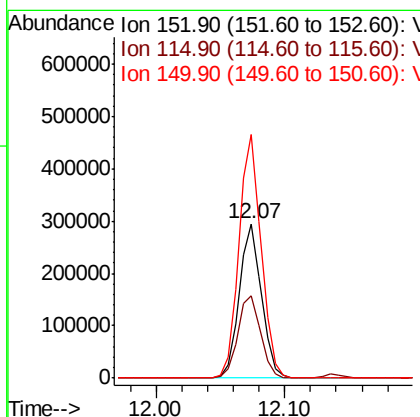
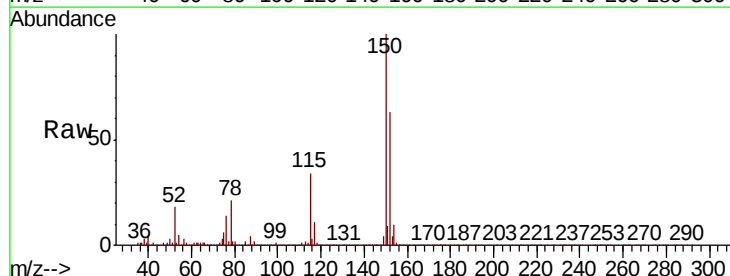
Manual Integrations
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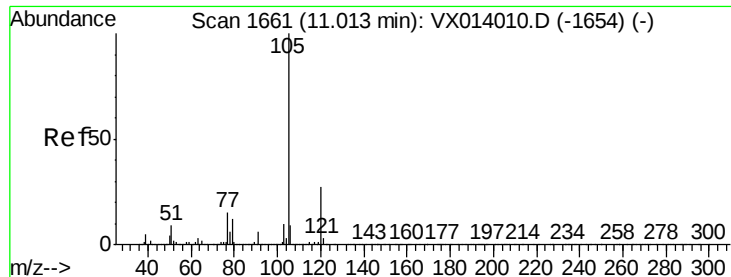
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014181.D
Acq: 20 Dec 2019 17:59

Tgt Ion:152 Resp: 350722
Ion Ratio Lower Upper
152 100
115 55.4 38.3 114.9
150 158.5 0.0 345.4





#73

Isopropylbenzene

Concen: 2.224 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014181.D

Acq: 20 Dec 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

Tot Ion: 105 Resp: 54929

Ion Ratio Lower Upper

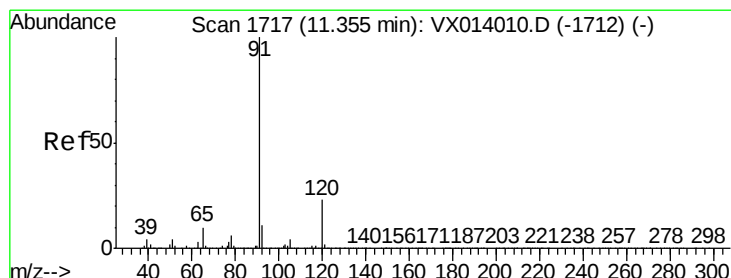
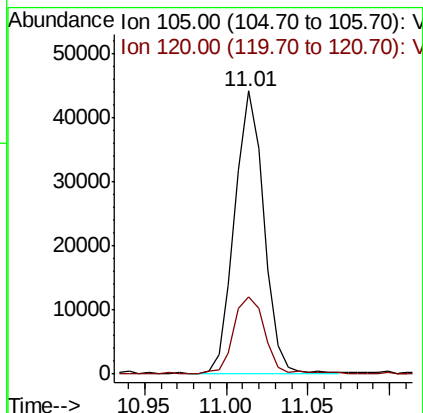
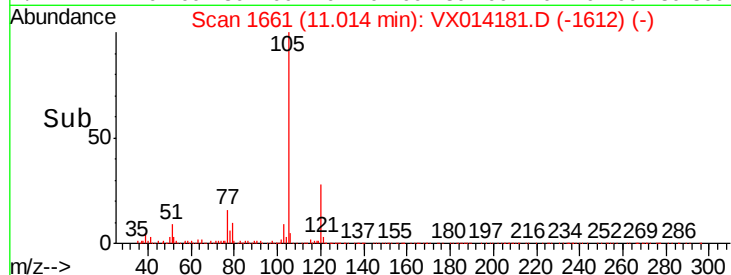
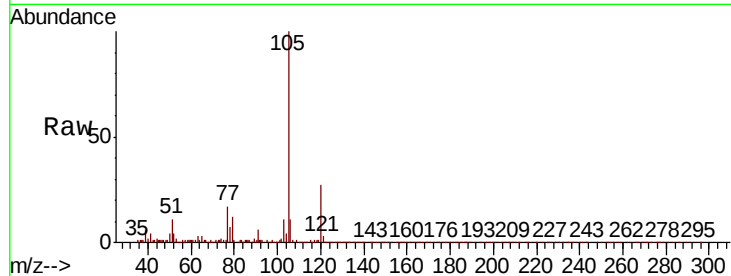
105 100

120 30.0 13.5 40.4

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#78

n-propylbenzene

Concen: 4.763 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014181.D

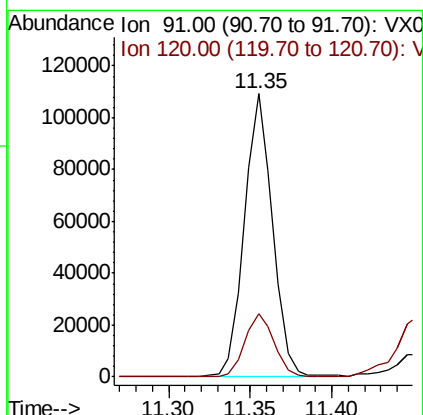
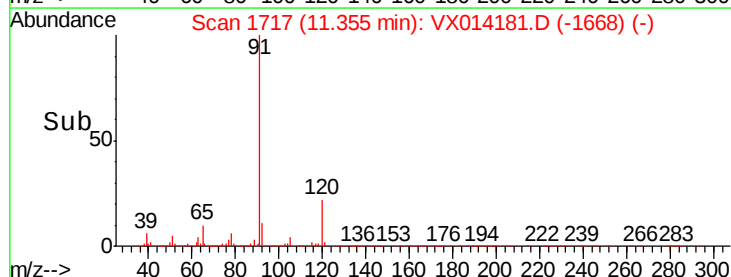
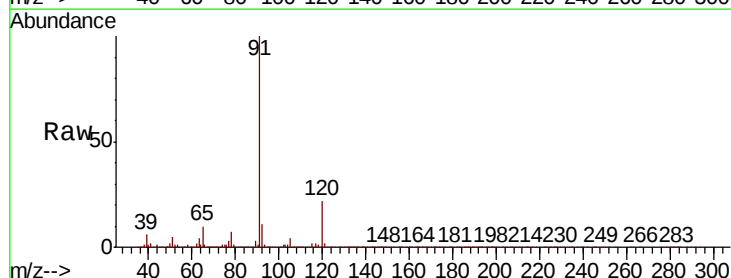
Acq: 20 Dec 2019 17:59

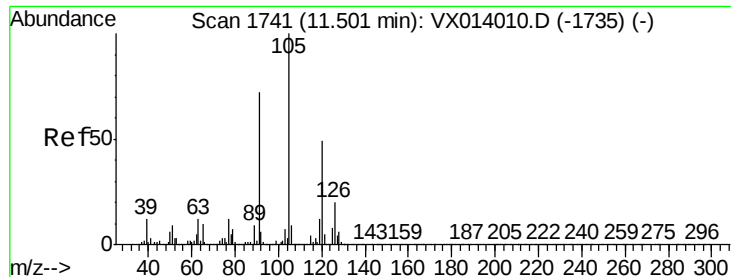
Tgt Ion: 91 Resp: 131929

Ion Ratio Lower Upper

91 100

120 22.9 11.7 35.0





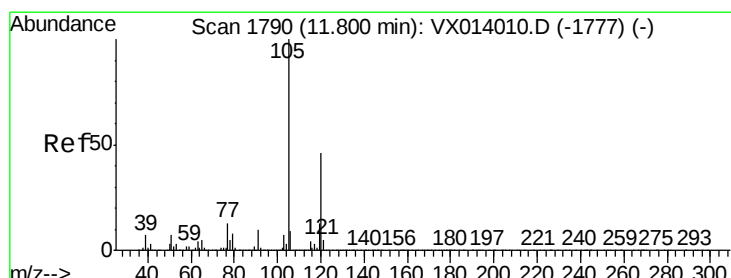
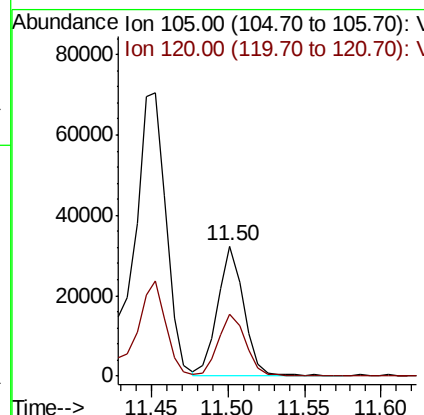
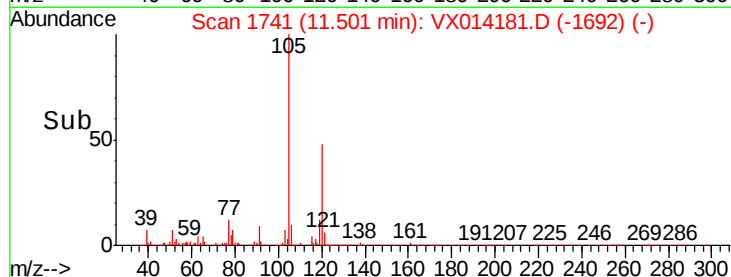
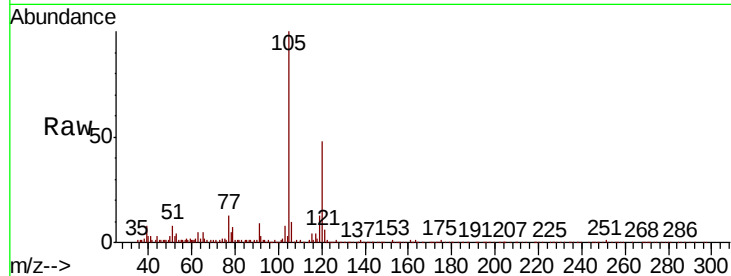
#80
 1,3,5-Trimethylbenzene
 Concen: 1.845 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014181.D
 Acq: 20 Dec 2019 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3DL

Tot Ion:105 Resp: 38337
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.3 75.8

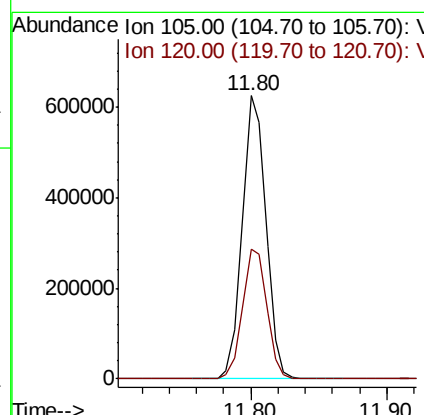
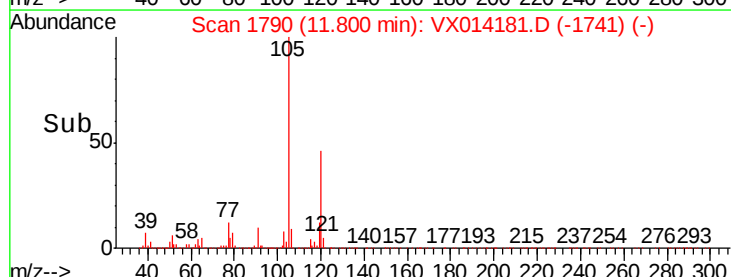
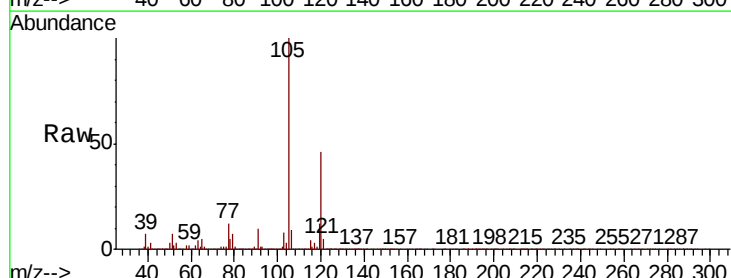
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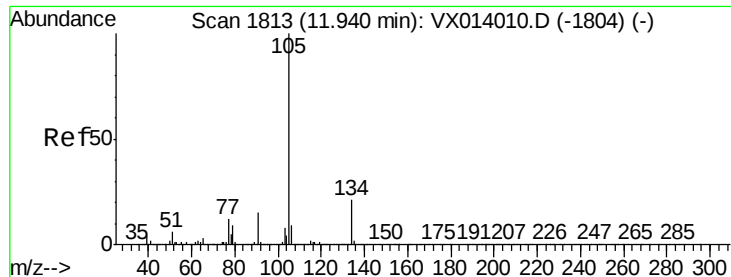
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#84
 1,2,4-Trimethylbenzene
 Concen: 36.429 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014181.D
 Acq: 20 Dec 2019 17:59

Tgt Ion:105 Resp: 758168
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.695 ug/l m

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014181.D

Acq: 20 Dec 2019 17:59

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

Tot Ion:105 Resp: 16584

Ion Ratio Lower Upper

105 100

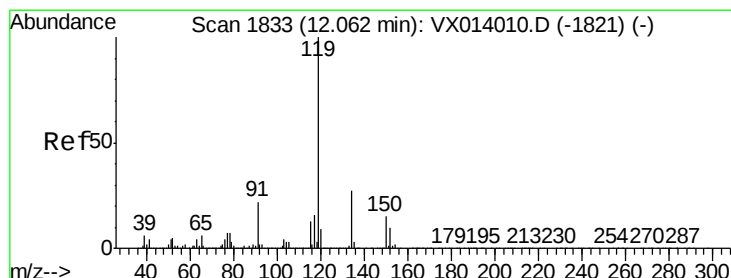
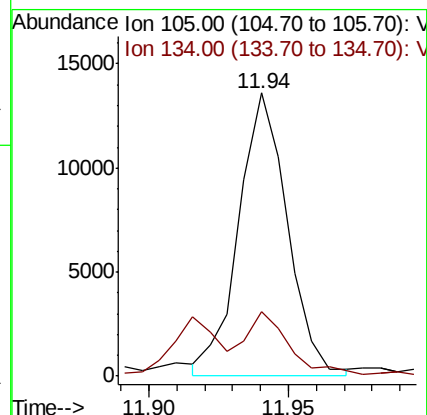
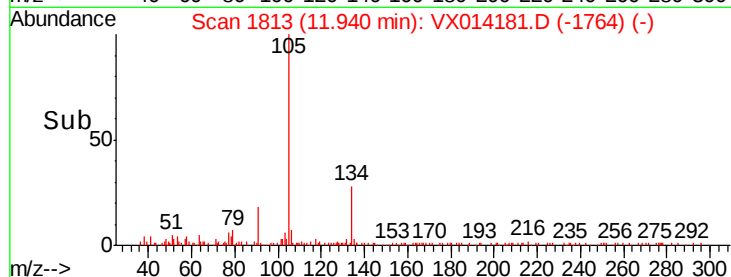
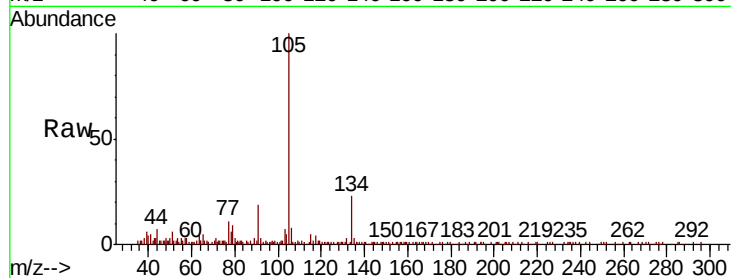
134 0.0 10.4 31.1#

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#86

p-Isopropyltoluene

Concen: 0.460 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014181.D

Acq: 20 Dec 2019 17:59

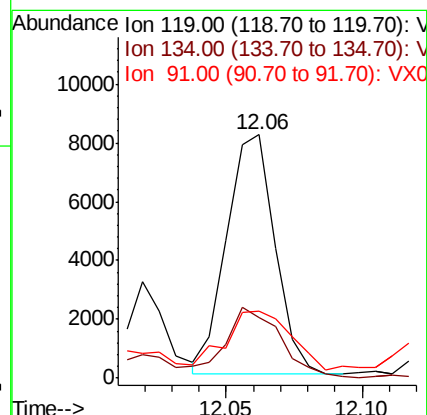
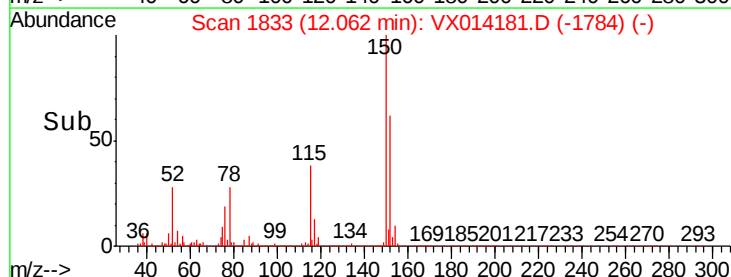
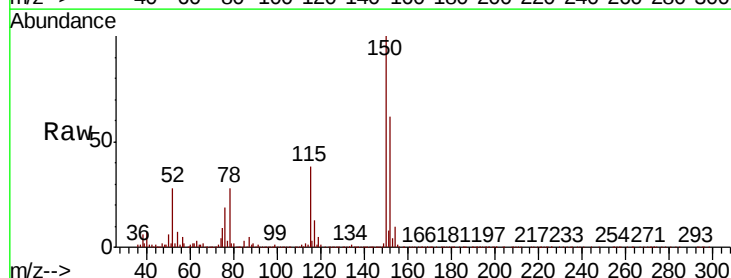
Tgt Ion:119 Resp: 10045

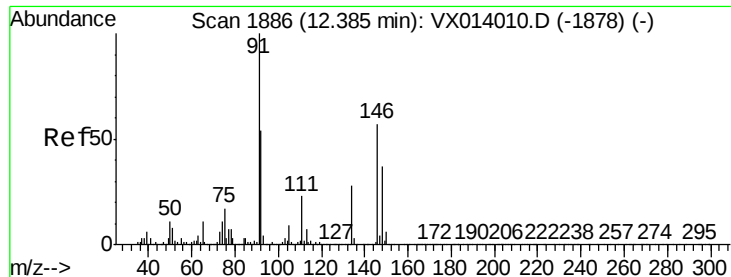
Ion Ratio Lower Upper

119 100

134 34.9 13.4 40.1

91 30.2 11.4 34.1





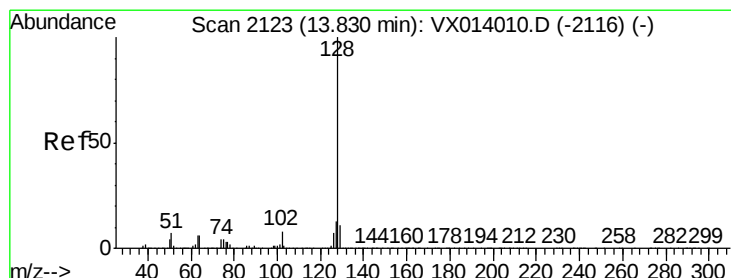
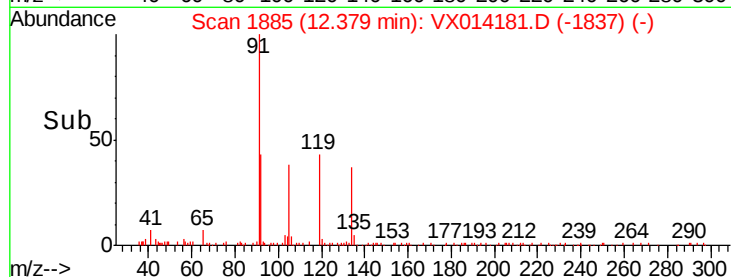
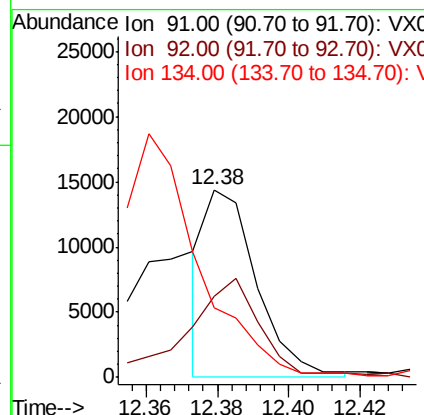
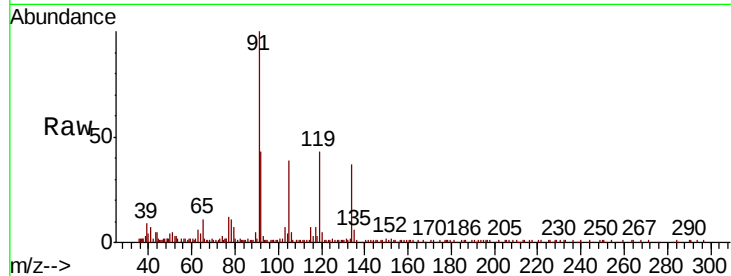
#89
n-Butylbenzene
Concen: 0.772 ug/l m
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014181.D
Acq: 20 Dec 2019 17:59

Instrument :
MSVOA_X
ClientSampled :
MW-3DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	77.9	27.2	81.6
134	0.0	13.4	40.1#

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#95
Naphthalene
Concen: 16.081 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014181.D
Acq: 20 Dec 2019 17:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.1	8.7	13.1

