

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010716.D
 Acq On : 06 Jun 2019 18:07
 Operator : SY/VA
 Sample : K3153-05RE
 Misc : 6.04G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-060519-C

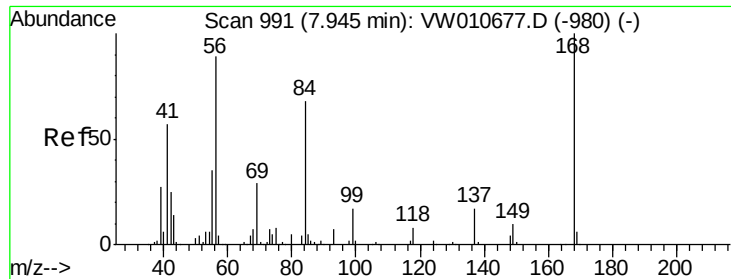
Manual Integrations
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 6/7/2019 11:24:55 AM

Quant Time: Jun 07 08:46:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	194499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105458	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	143189	62.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.92%	
35) Dibromofluoromethane	7.88	113	104808	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
50) Toluene-d8	10.32	98	433555	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.62	95	154375	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	38612	62.858	ug/l	98
20) Methylene Chloride	4.92	84	13198	6.125	ug/l	96
25) 2-Butanone	7.18	43	6385	7.496	ug/l	94
39) Methylcyclohexane	9.34	83	11709	2.586	ug/l	95
52) Toluene	10.39	92	83286	13.929	ug/l	97
67) Ethyl Benzene	11.73	91	286147	27.719	ug/l	100
68) m/p-Xylenes	11.84	106	312573	84.585	ug/l	98
69) o-Xylene	12.17	106	677664	193.354	ug/l	96
73) Isopropylbenzene	12.47	105	148758	18.771	ug/l	99
78) n-propylbenzene	12.80	91	644897	67.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2522720	388.915	ug/l	97
83) tert-Butylbenzene	13.21	119	21696m	3.941	ug/l	
84) 1,2,4-Trimethylbenzene	13.26	105	2955232	452.745	ug/l	99
85) sec-Butylbenzene	13.39	105	399778	49.878	ug/l	81
86) p-Isopropyltoluene	13.50	119	505229	70.488	ug/l	100
89) n-Butylbenzene	13.83	91	538558	75.308	ug/l #	73
95) Naphthalene	15.37	128	168593	44.077	ug/l #	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010716.D

Acq: 06 Jun 2019 18:07

Instrument :

MSVOA_W

ClientSampleId :

HR-05-060519-C

Tot Ion:168 Resp: 194499

Ion Ratio Lower Upper

168 100

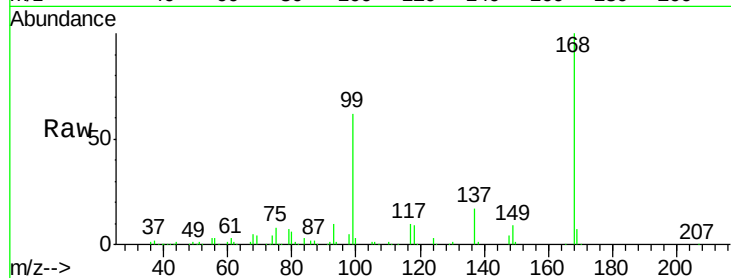
99 61.7 47.7 71.5

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

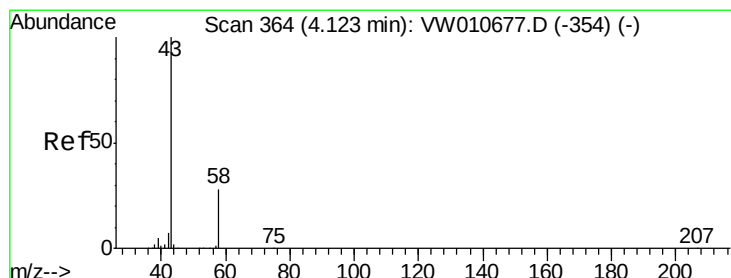
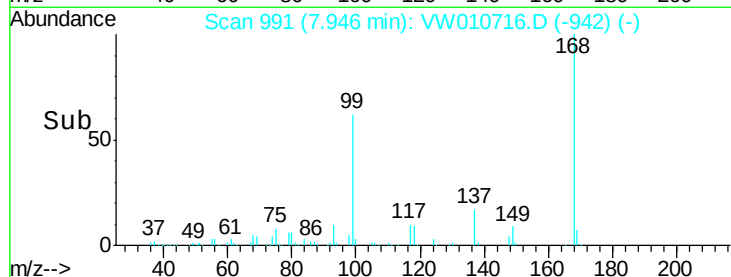
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 62.858 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010716.D

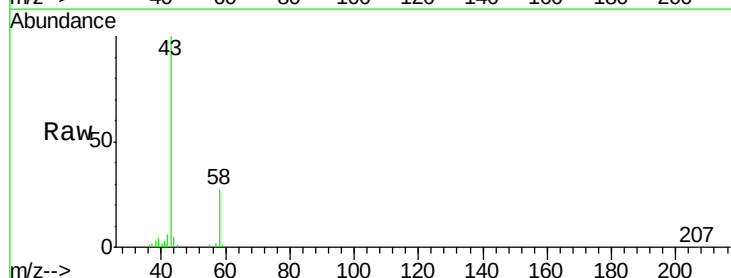
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Tgt Ion: 43 Resp: 38612

Ion Ratio Lower Upper

43 100

58 26.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

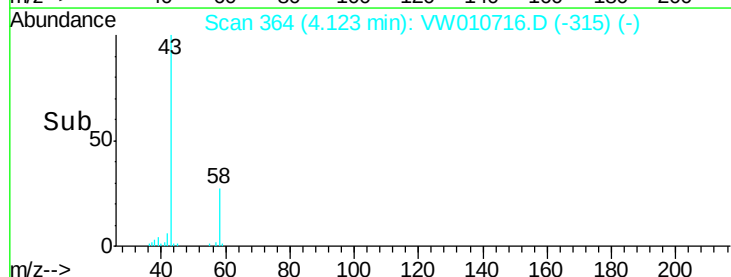
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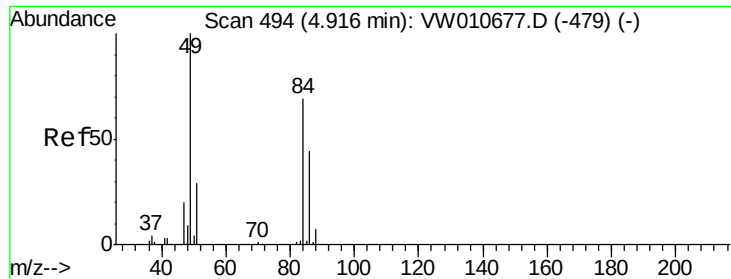
10000

5000

0

Time--> 4.00 4.10 4.20





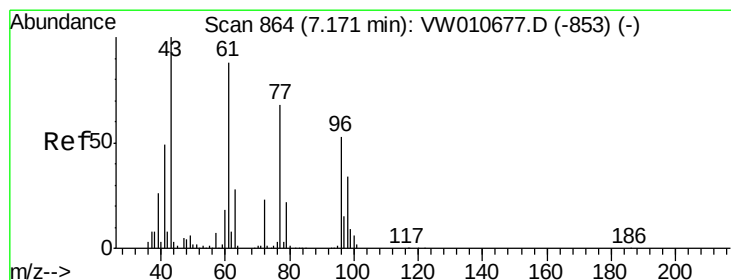
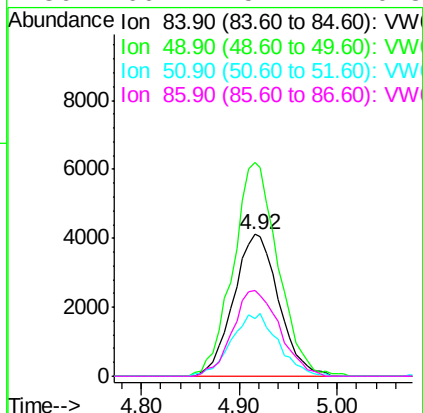
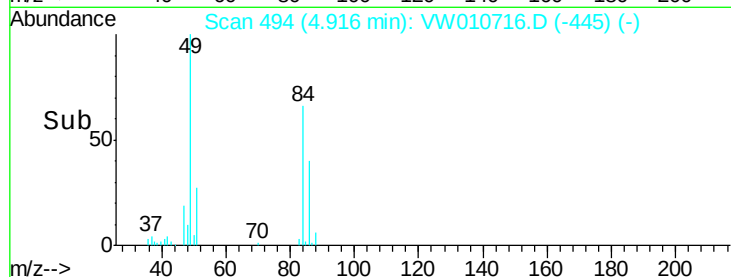
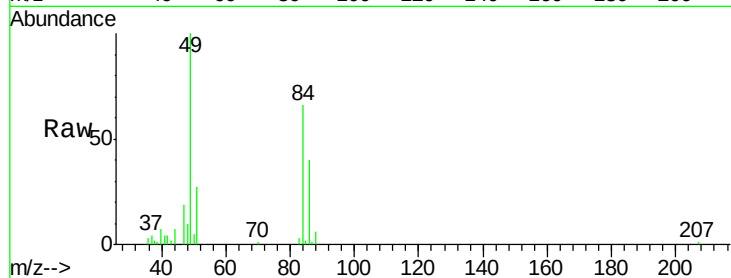
#20
Methylene Chloride
Concen: 6.125 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
HR-05-060519-C

Tot Ion:	84	Resp:	13198
Ion	Ratio	Lower	Upper
84	100		
49	150.6	116.7	175.1
51	40.6	34.2	51.2
86	60.2	51.2	76.8

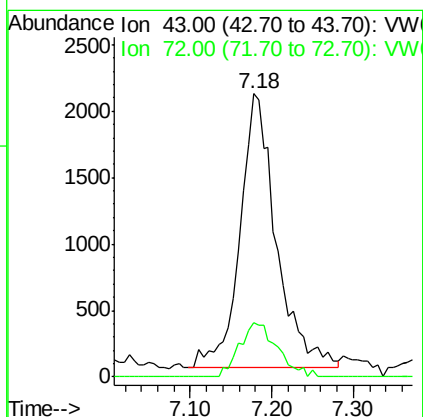
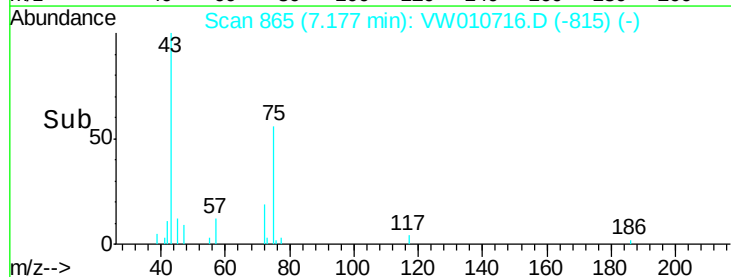
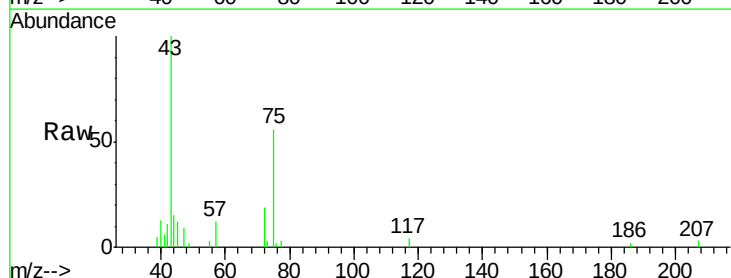
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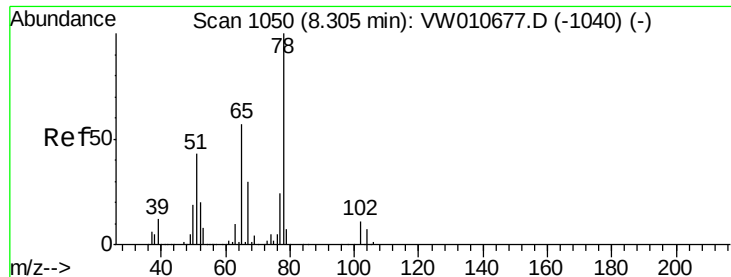
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#25
2-Butanone
Concen: 7.496 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Tgt Ion:	43	Resp:	6385
Ion	Ratio	Lower	Upper
43	100		
72	19.6	18.1	27.1





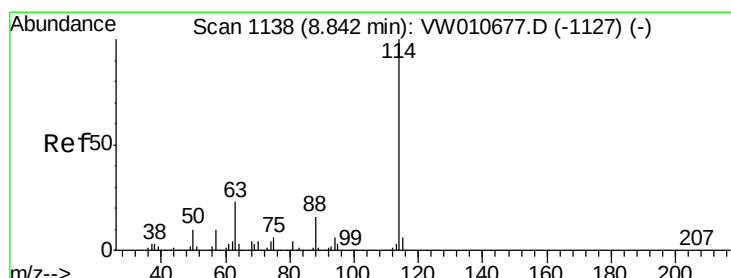
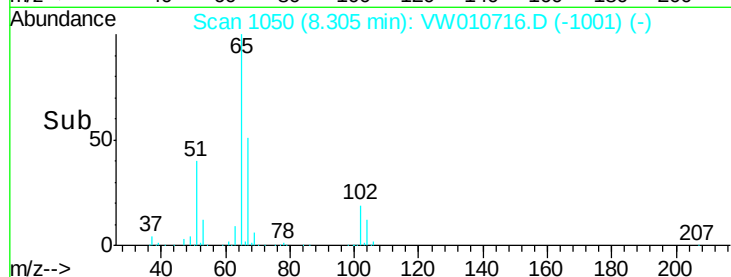
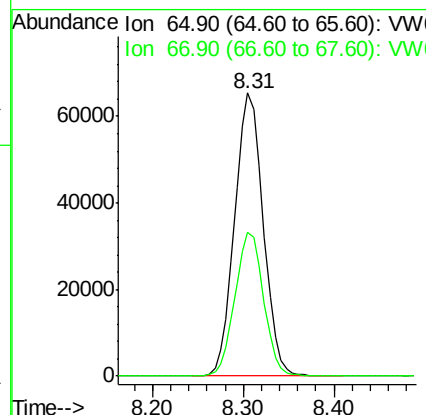
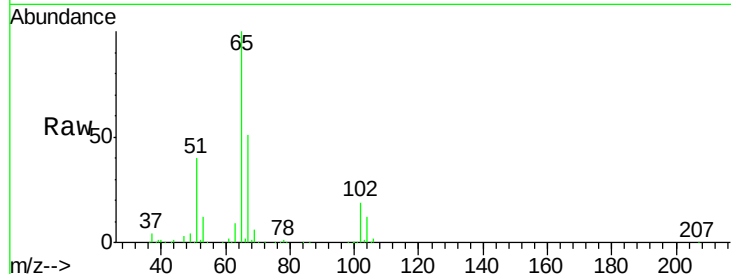
#33
 1,2-Dichloroethane-d4
 Concen: 62.460 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010716.D
 Acq: 06 Jun 2019 18:07

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-060519-C

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	102.6

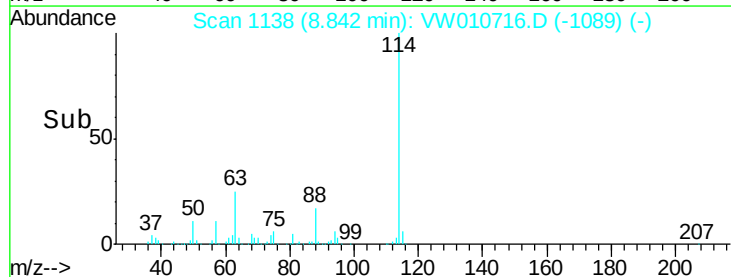
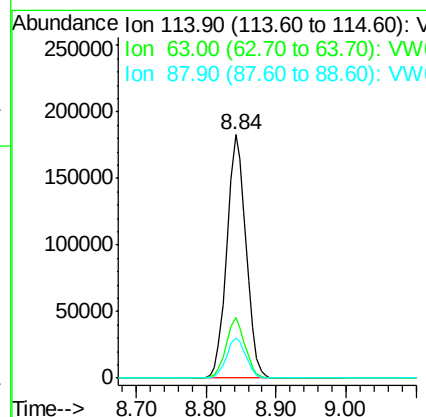
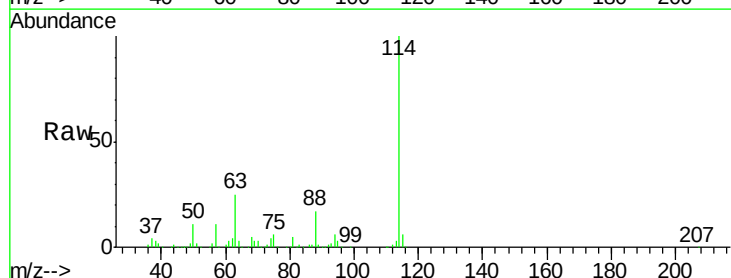
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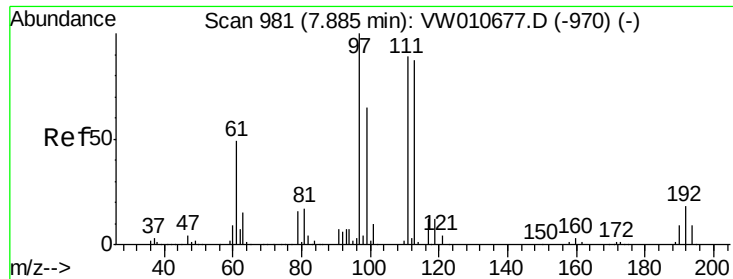
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010716.D
 Acq: 06 Jun 2019 18:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	46.4
88	16.6	0.0	32.2





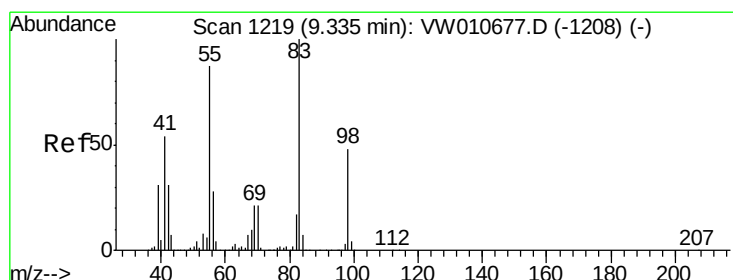
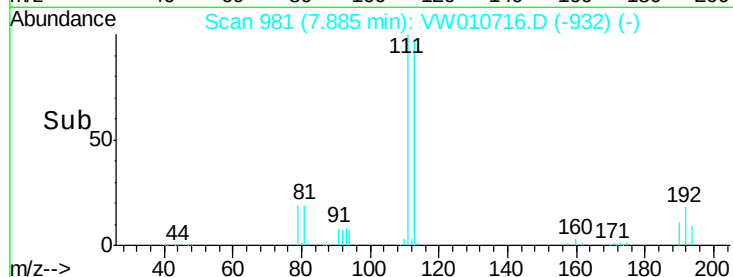
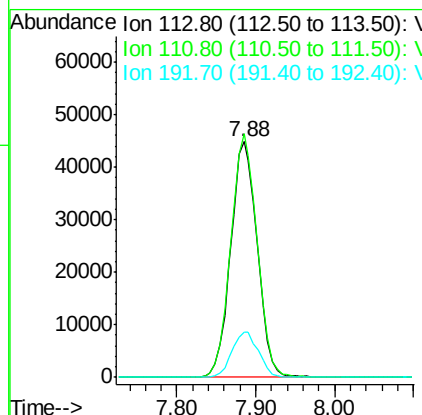
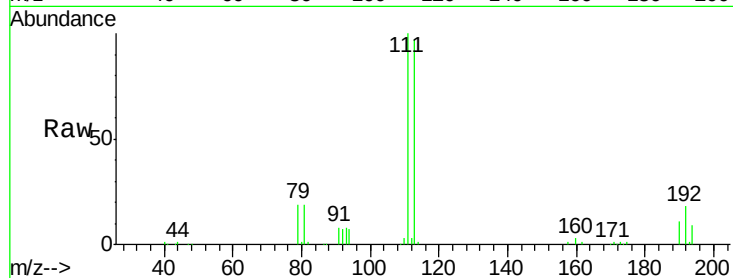
#35
Dibromofluoromethane
Concen: 55.485 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
HR-05-060519-C

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.6	123.8	
192	19.5	16.4	24.6	

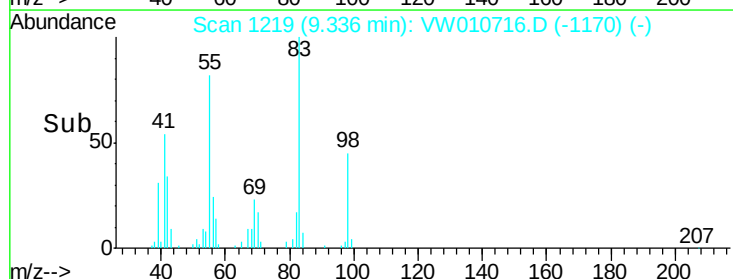
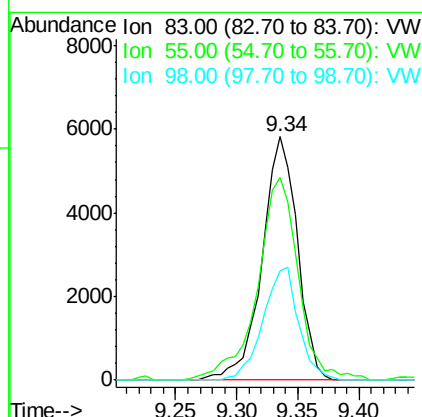
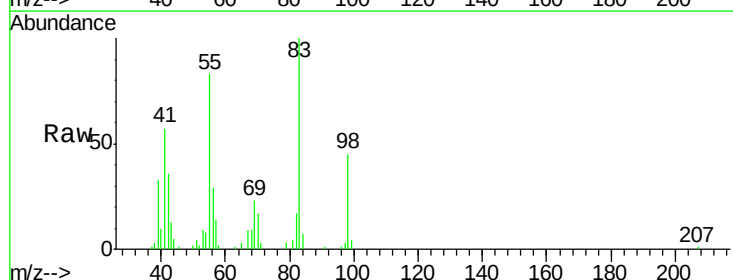
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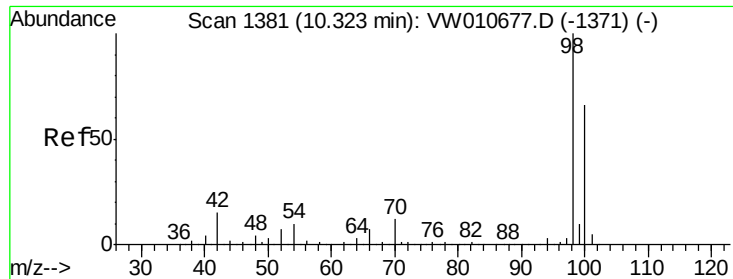
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#39
Methylcyclohexane
Concen: 2.586 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.3	70.0	105.0	
98	44.7	38.1	57.1	





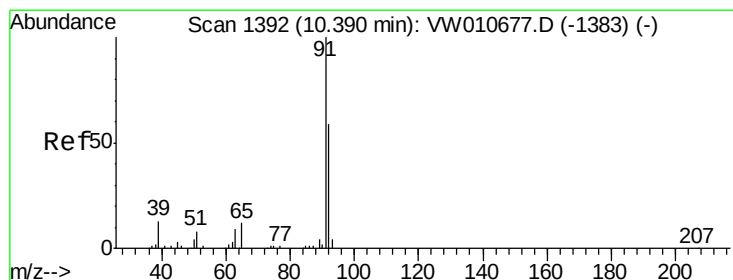
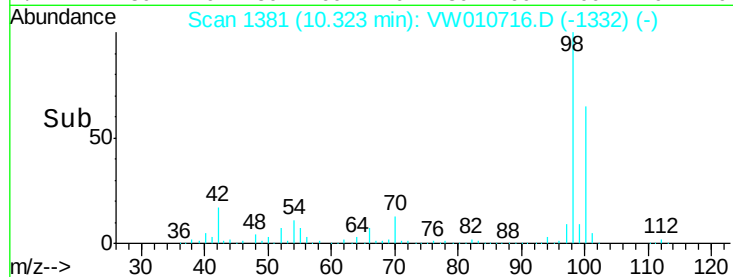
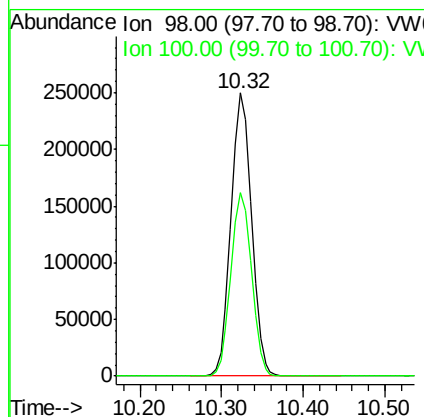
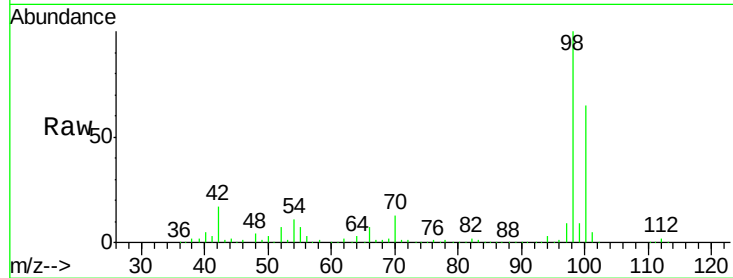
#50
Toluene-d8
Concen: 52.342 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
HR-05-060519-C

Tot Ion: 98 Resp: 433555
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6

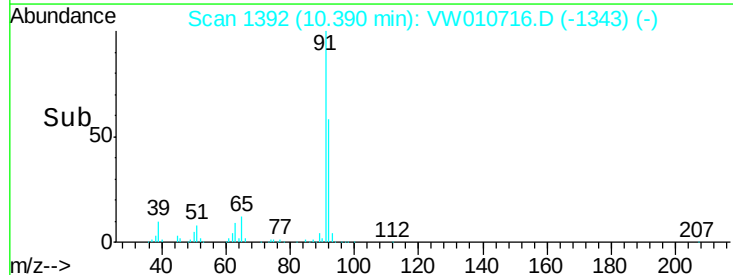
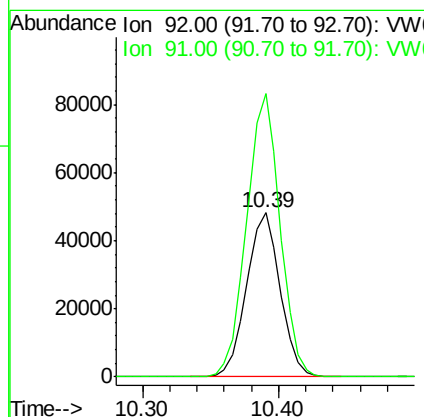
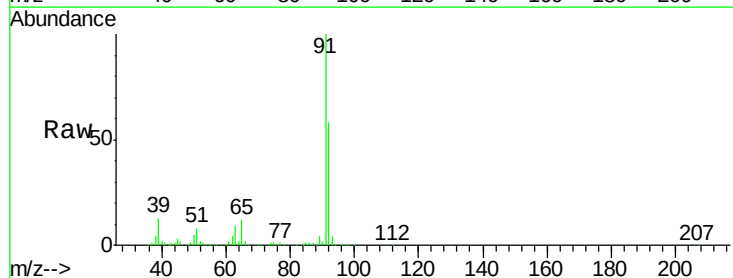
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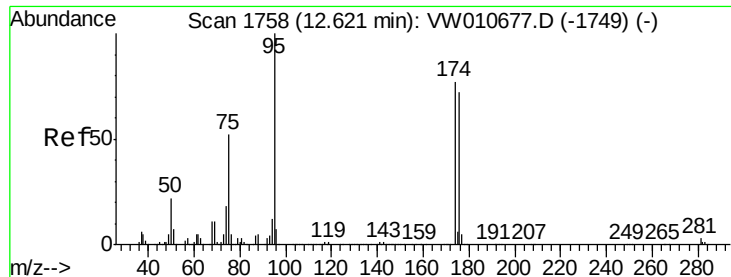
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#52
Toluene
Concen: 13.929 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Tgt Ion: 92 Resp: 83286
Ion Ratio Lower Upper
92 100
91 172.1 134.9 202.3





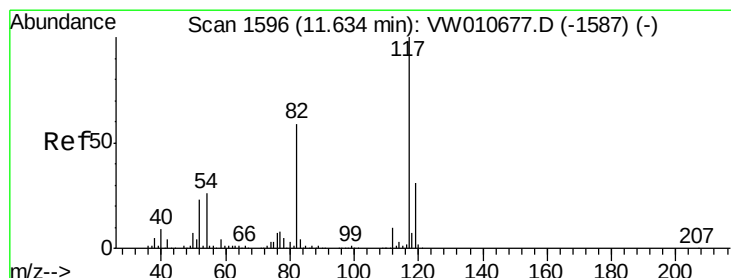
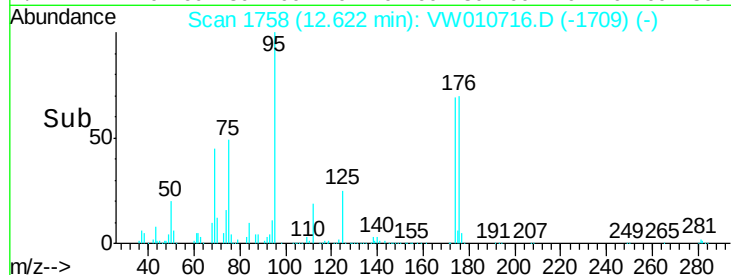
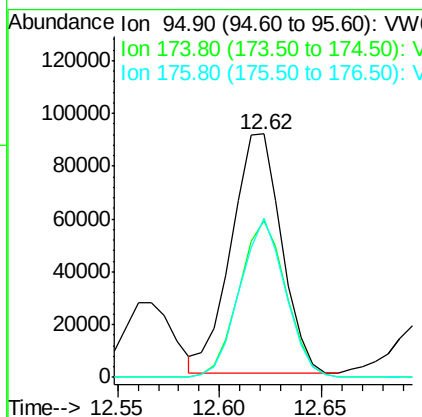
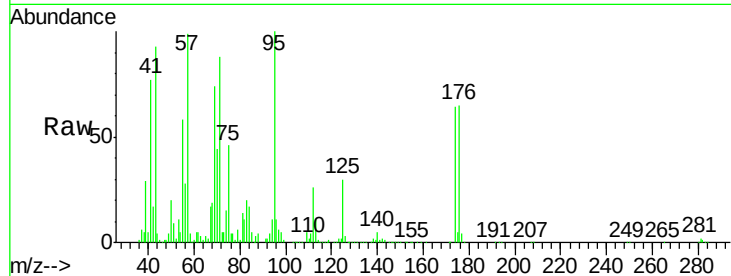
#62
4-Bromofluorobenzene
Concen: 51.217 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
HR-05-060519-C

Tot Ion	Ratio	Resp	Lower	Upper
95	100	154375		
174	61.6	0.0	150.4	
176	60.3	0.0	144.8	

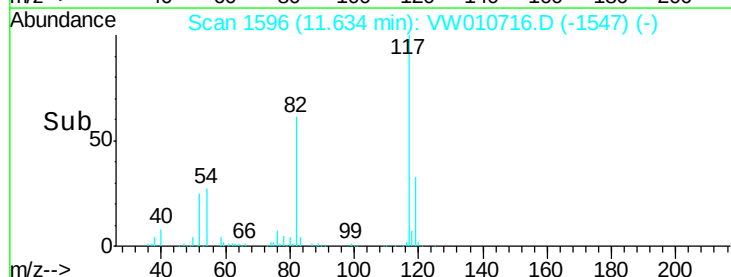
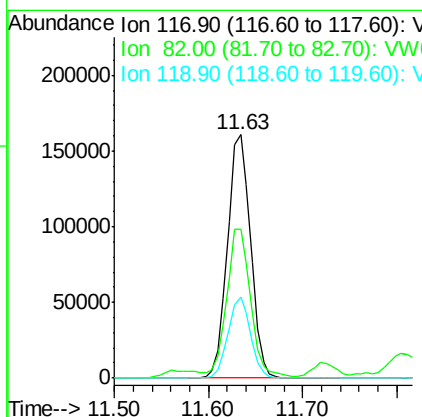
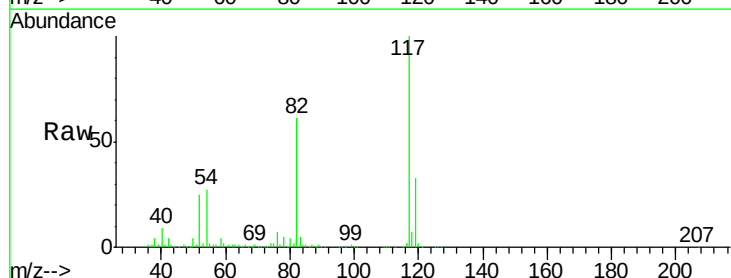
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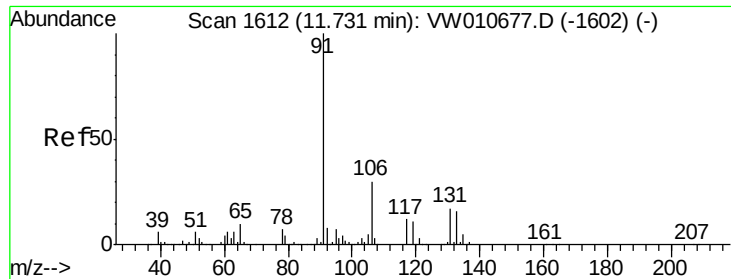
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	273148		
82	58.4	47.0	70.4	
119	33.2	25.1	37.7	





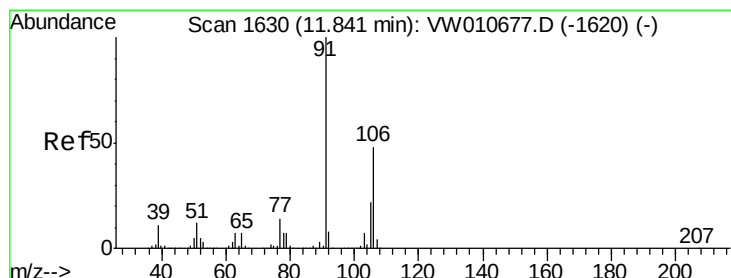
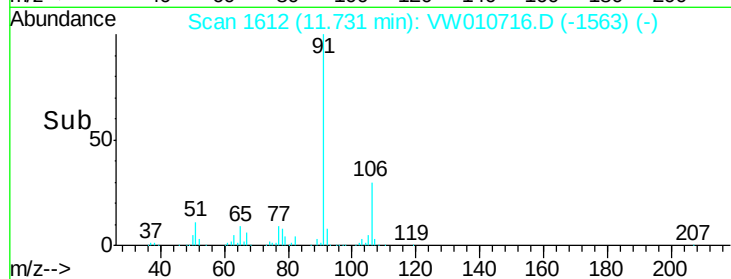
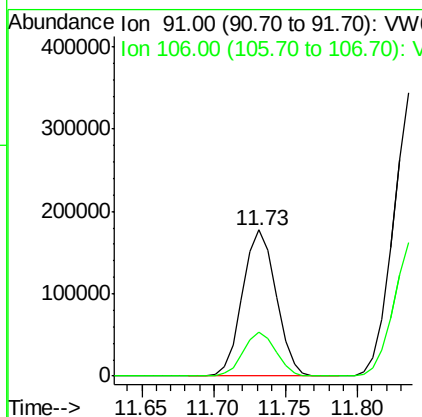
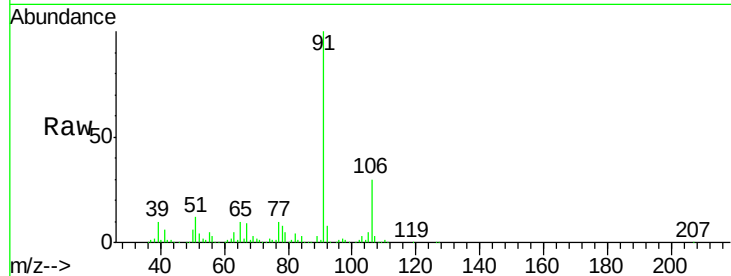
#67
Ethyl Benzene
Concen: 27.719 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
HR-05-060519-C

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4

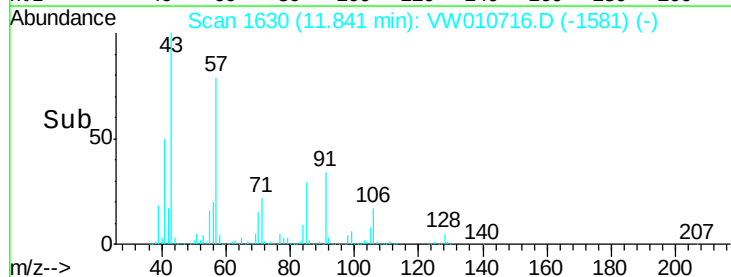
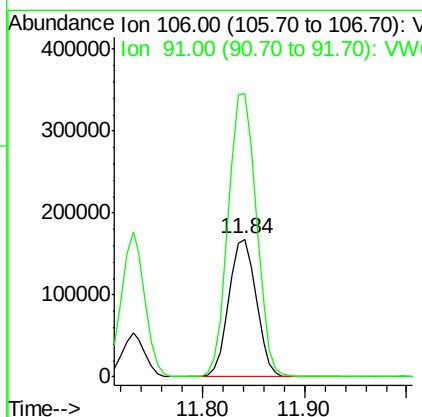
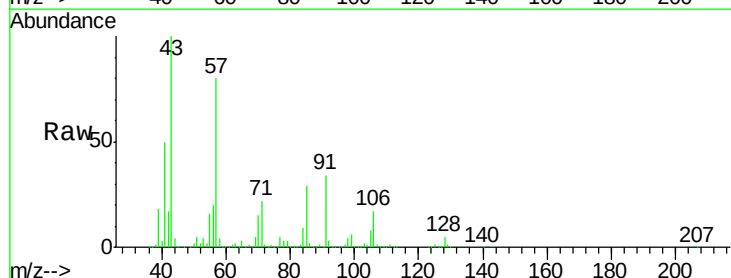
Manual Integrations
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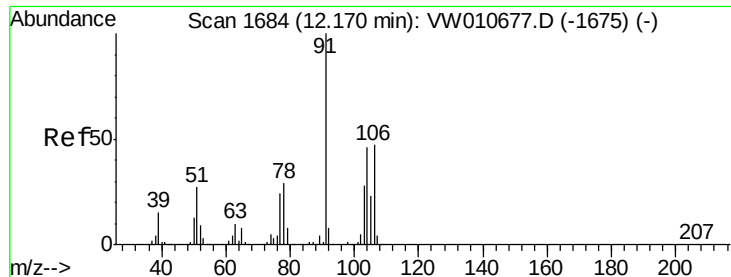
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#68
m/p-Xylenes
Concen: 84.585 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.7	166.5	249.7





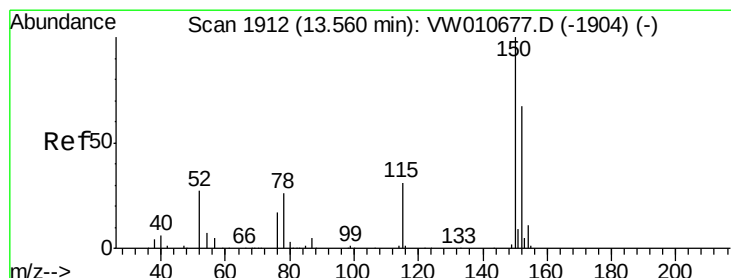
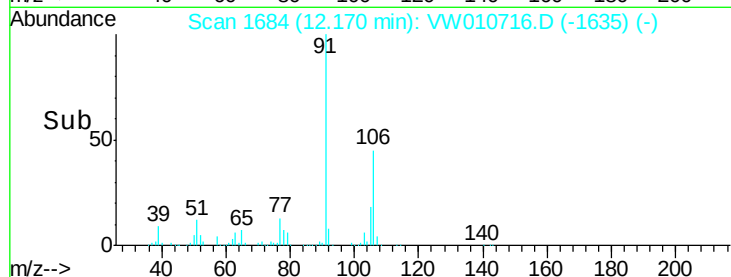
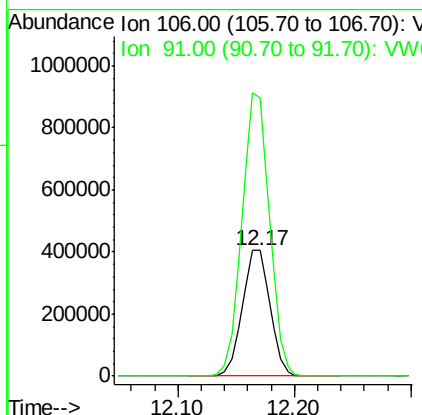
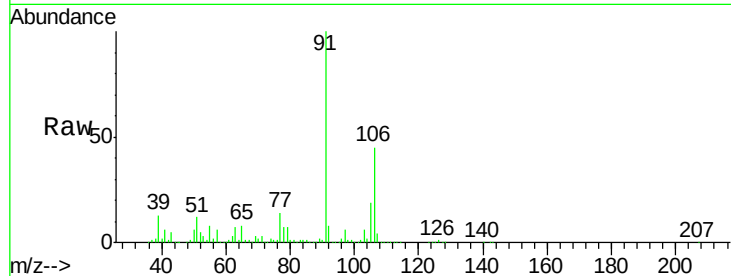
#69
o-Xylene
Concen: 193.354 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Instrument :
MSVOA_W
ClientSampled :
HR-05-060519-C

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.8	108.9	326.6

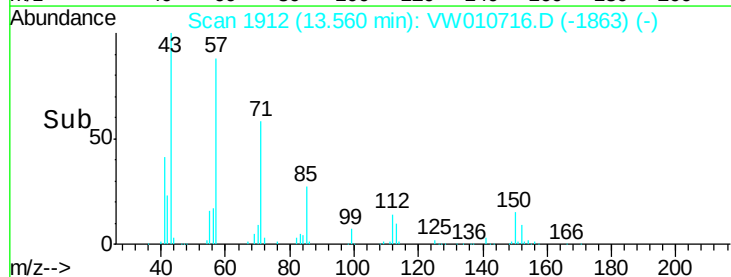
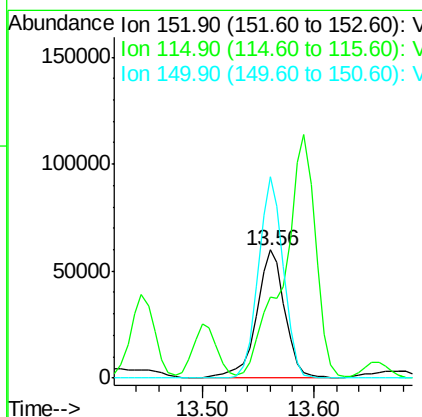
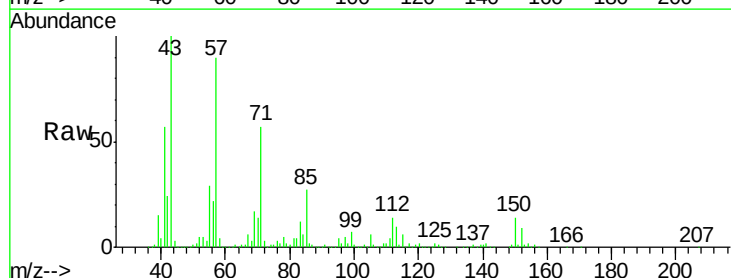
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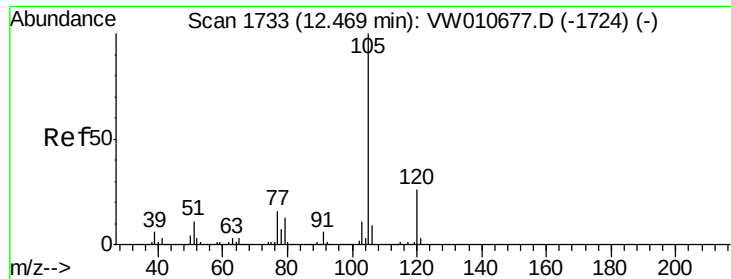
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	29.8	89.3#
150	138.9	0.0	345.0





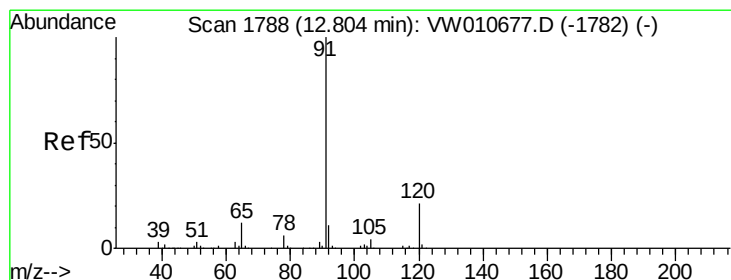
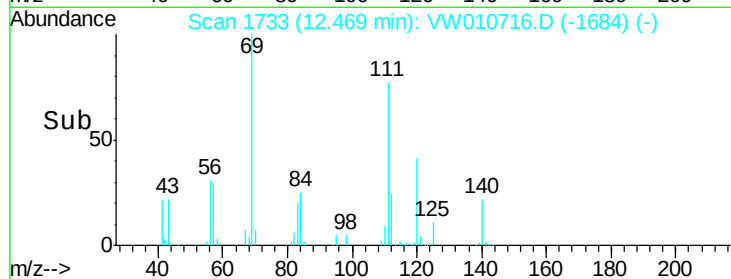
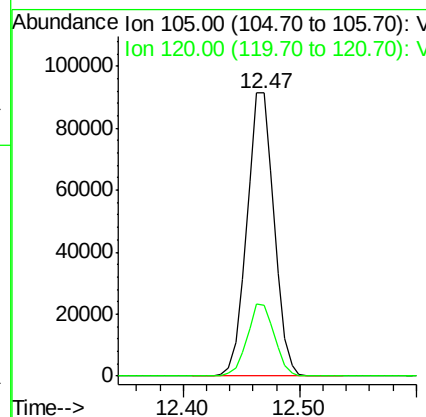
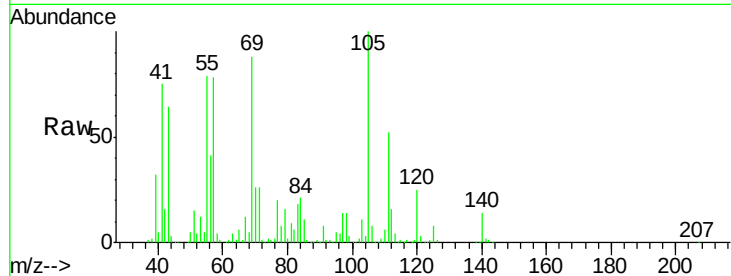
#73
Isopropylbenzene
Concen: 18.771 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
HR-05-060519-C

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.1	39.1

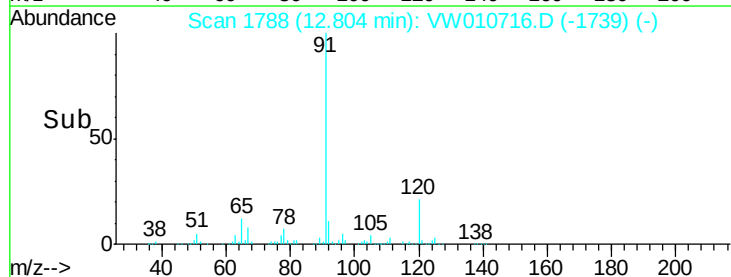
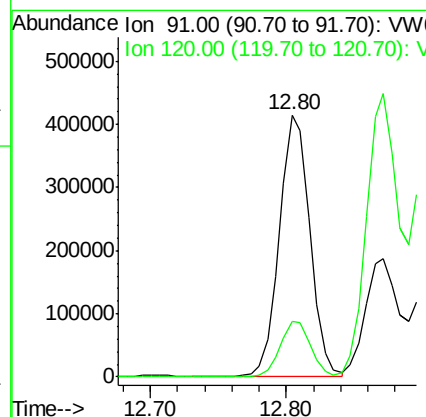
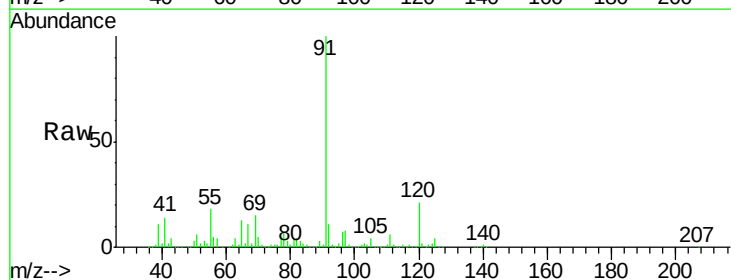
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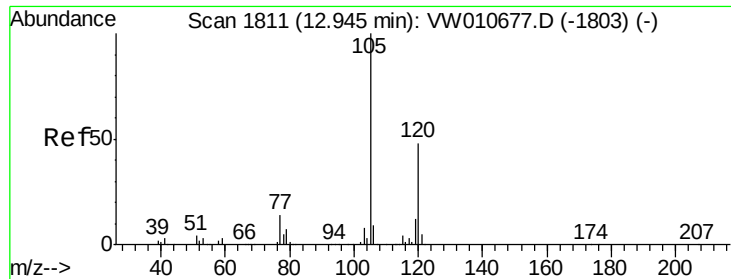
MMDadoda
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#78
n-propylbenzene
Concen: 67.488 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.8	32.4





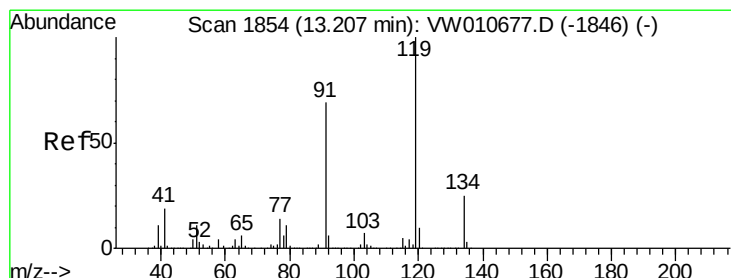
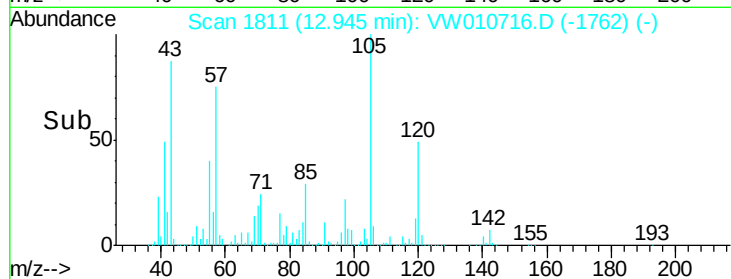
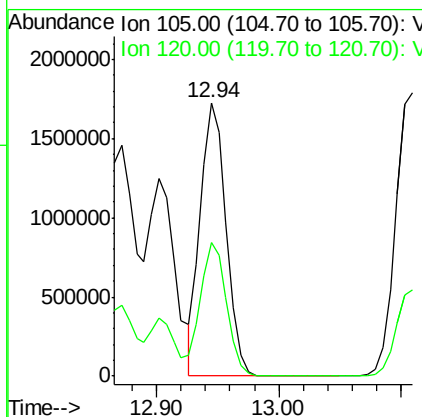
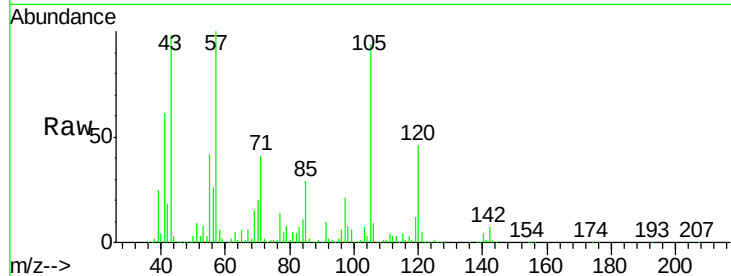
#80
 1,3,5-Trimethylbenzene
 Concen: 388.915 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010716.D
 Acq: 06 Jun 2019 18:07

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-060519-C

Tot Ion:105 Resp: 2522720
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.3 72.8

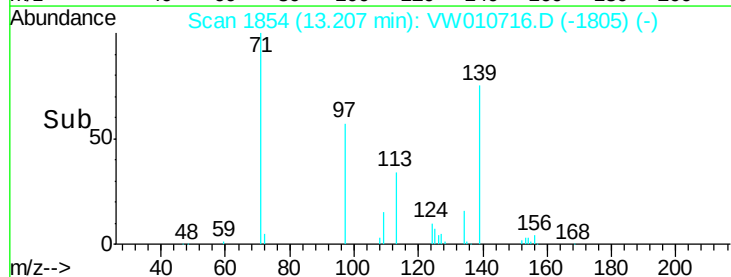
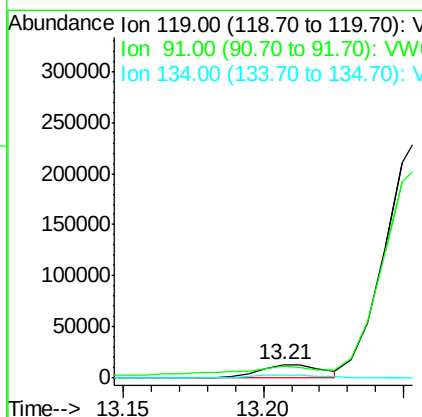
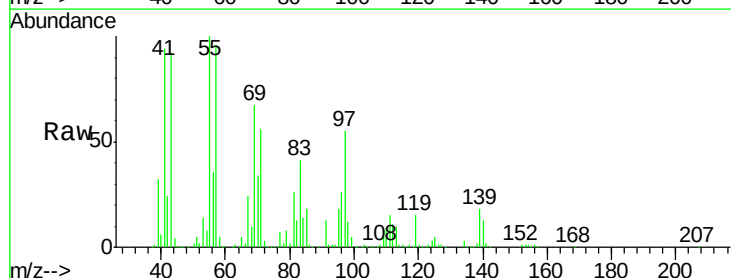
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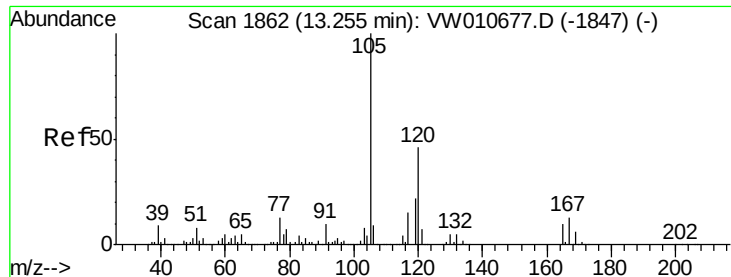
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#83
 tert-Butylbenzene
 Concen: 3.941 ug/l m
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010716.D
 Acq: 06 Jun 2019 18:07

Tgt Ion:119 Resp: 21696
 Ion Ratio Lower Upper
 119 100
 91 1437.5 35.1 105.3#
 134 0.0 13.6 40.7#





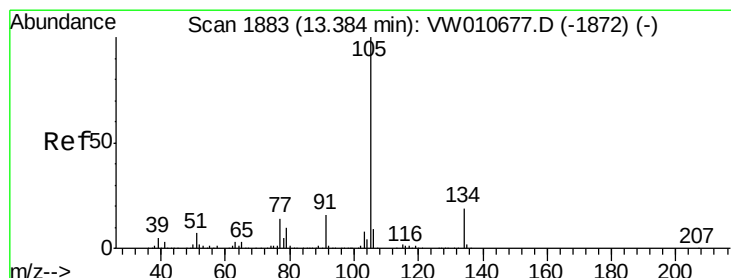
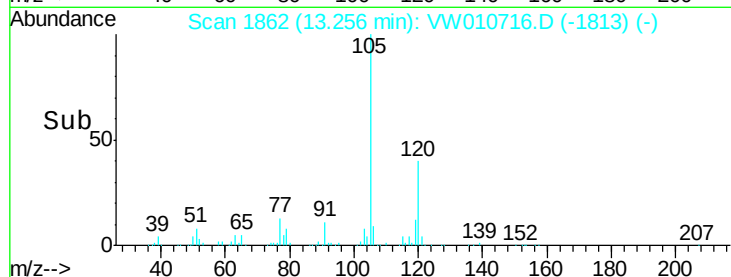
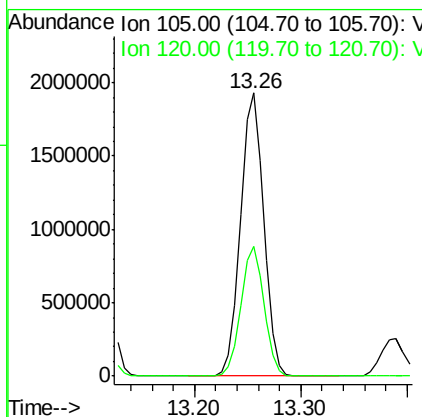
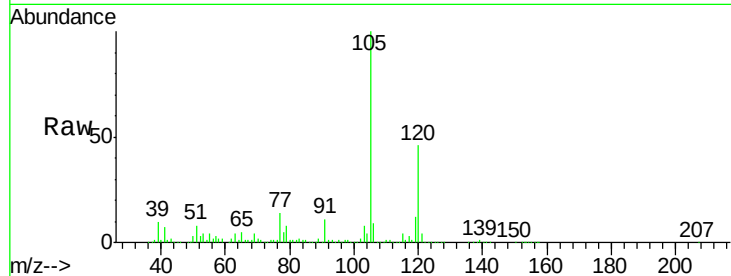
#84
1,2,4-Trimethylbenzene
Concen: 452.745 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
HR-05-060519-C

Tot Ion:105 Resp: 2955232
Ion Ratio Lower Upper
105 100
120 45.5 22.5 67.5

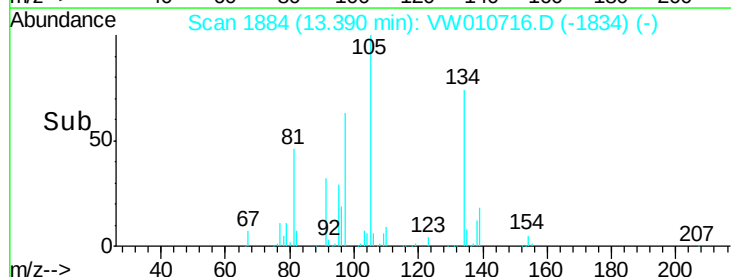
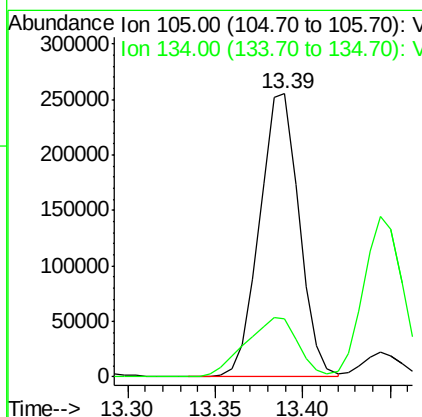
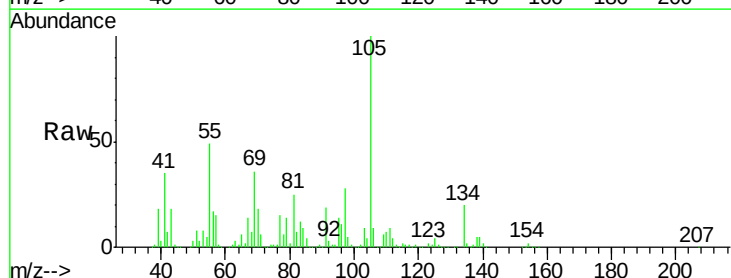
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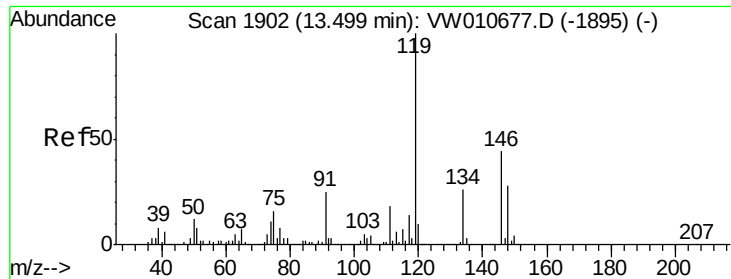
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#85
sec-Butylbenzene
Concen: 49.878 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. 0.01 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Tgt Ion:105 Resp: 399778
Ion Ratio Lower Upper
105 100
134 27.9 9.7 28.9





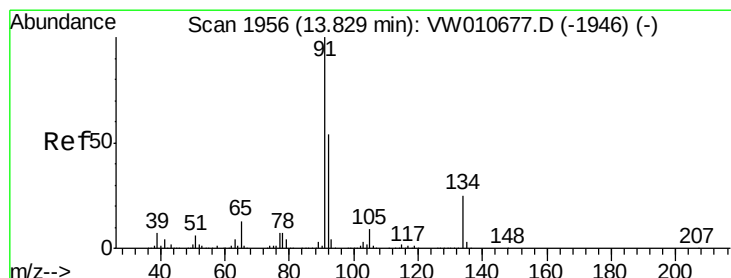
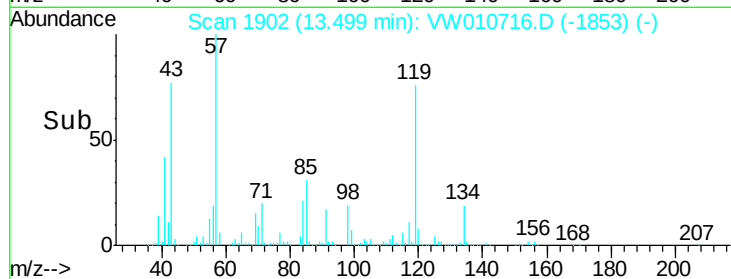
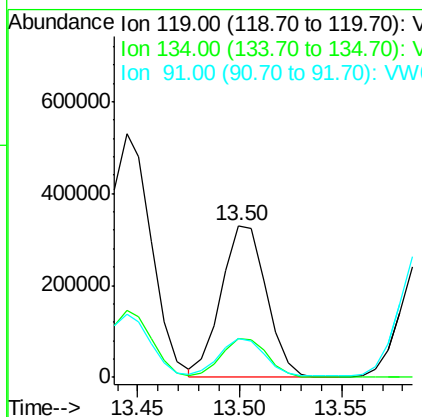
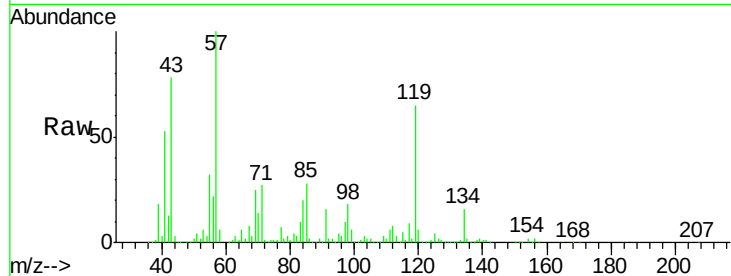
#86
 p-Isopropyltoluene
 Concen: 70.488 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010716.D
 Acq: 06 Jun 2019 18:07

Instrument :
 MSVOA_W
 ClientSampled :
 HR-05-060519-C

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	24.6	12.2	36.4

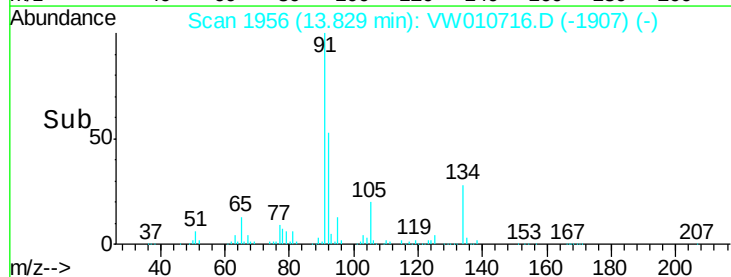
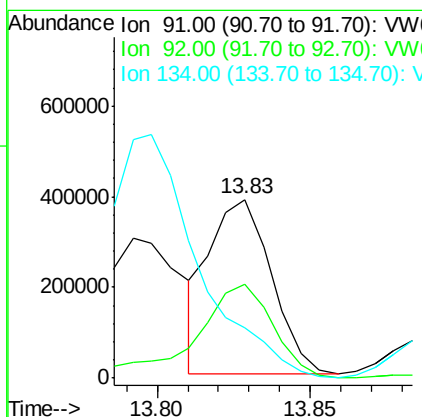
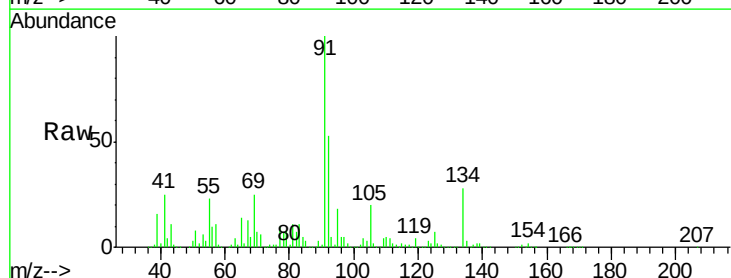
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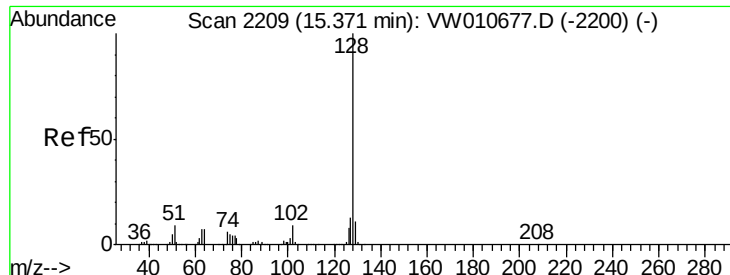
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#89
 n-Butylbenzene
 Concen: 75.308 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW010716.D
 Acq: 06 Jun 2019 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.8	27.3	81.8
134	0.0	12.3	36.9#





#95
Naphthalene
Concen: 44.077 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010716.D
Acq: 06 Jun 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
HR-05-060519-C

Tot Ion	Ratio	Resp	Lower	Upper
128	100	168593		
127	8.1		10.6	15.8#
129	7.0		8.6	13.0#

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