

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010540.D
 Acq On : 23 May 2019 19:55
 Operator : SY/VA
 Sample : K2976-12
 Misc : 6.32G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-SB-MW-ER(17-20)

Manual Integrations
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 5/24/2019 10:59:55 AM

Quant Time: May 24 09:23:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	123653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	228510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	201538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111336	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	70979	55.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.22%	
35) Dibromofluoromethane	7.88	113	67798	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.32	98	283279	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.62	95	187935	89.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.14%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	6815	26.159	ug/l #	86
17) Carbon Disulfide	4.37	76	4649	1.193	ug/l	99
67) Ethyl Benzene	11.73	91	16477	2.173	ug/l	97
73) Isopropylbenzene	12.47	105	77901	8.817	ug/l	100
78) n-propylbenzene	12.80	91	95681	9.293	ug/l	92
80) 1,3,5-Trimethylbenzene	12.95	105	741011	99.031	ug/l	99
83) tert-Butylbenzene	13.21	119	80924	12.381	ug/l	89
84) 1,2,4-Trimethylbenzene	13.26	105	4057570	544.460	ug/l	99
85) sec-Butylbenzene	13.39	105	310140	33.907	ug/l #	76
86) p-Isopropyltoluene	13.51	119	388669	46.946	ug/l	99
89) n-Butylbenzene	13.82	91	84163m	10.687	ug/l	
95) Naphthalene	15.37	128	138791	27.495	ug/l	99

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

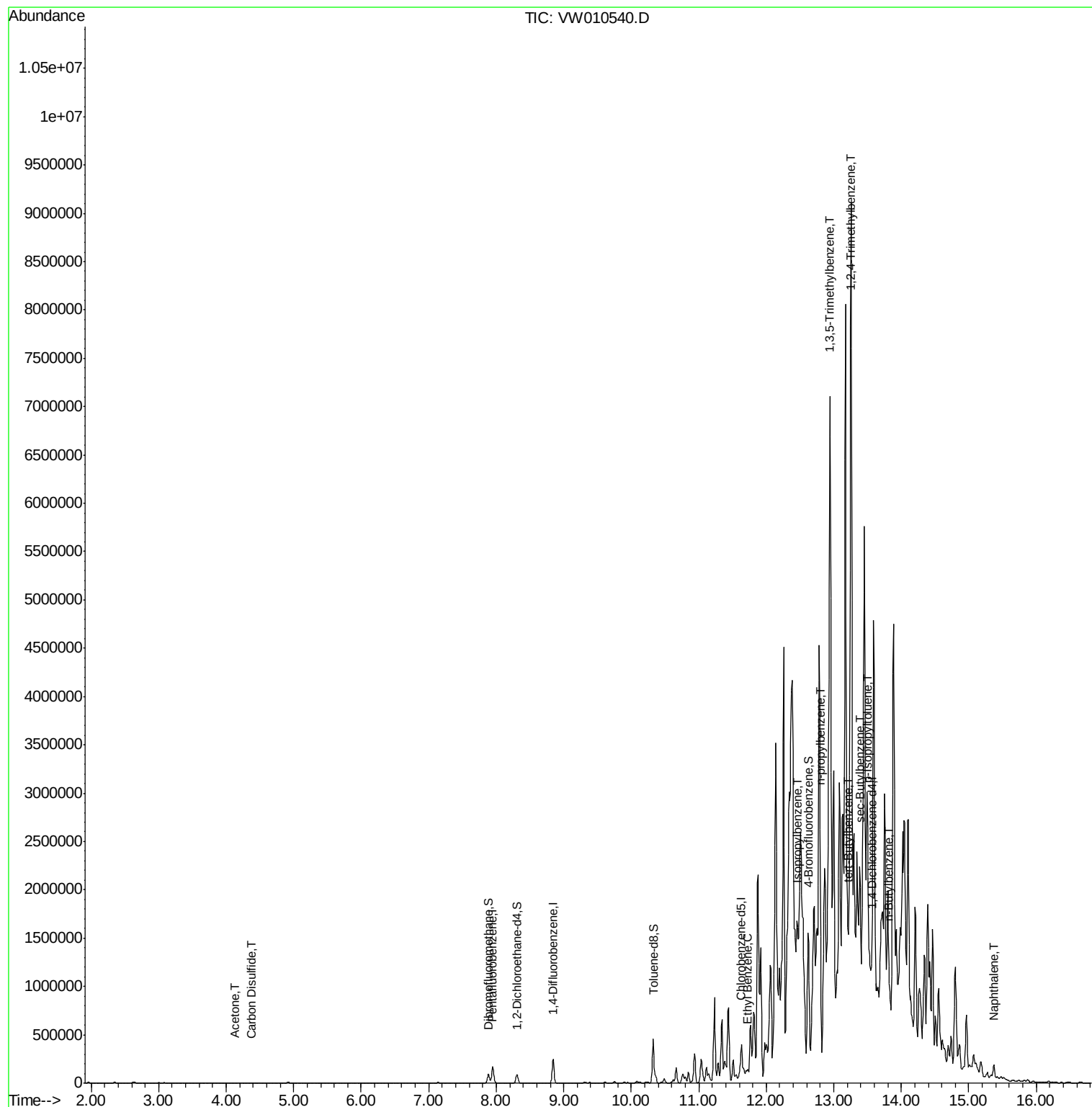
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052319\
Data File : VW010540.D
Acq On : 23 May 2019 19:55
Operator : SY/VA
Sample : K2976-12
Misc : 6.32G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

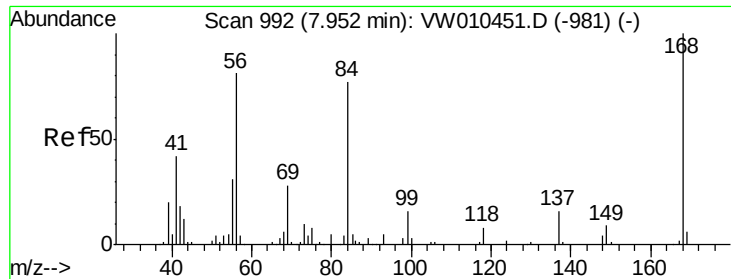
Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

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Quant Time: May 24 09:23:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010540.D

Acq: 23 May 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

EP1-SB-MW-ER(17-20)

Tot Ion:168 Resp: 123653

Ion Ratio Lower Upper

168 100

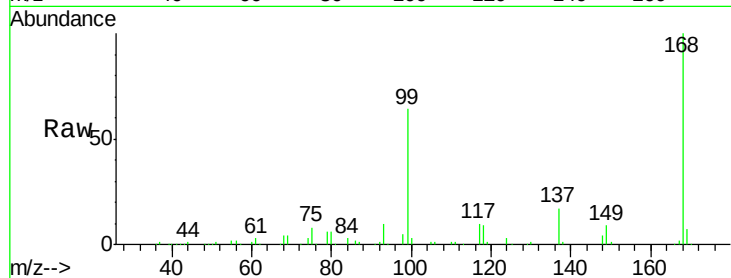
99 63.9 46.1 69.1

Manual Integrations

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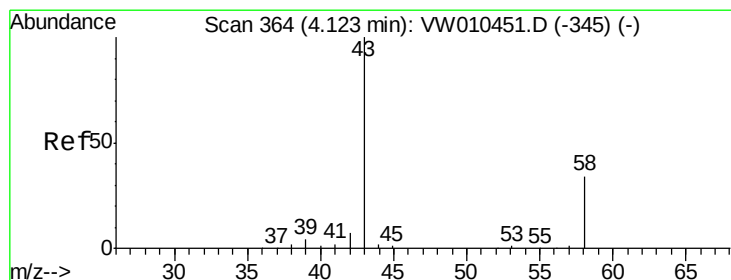
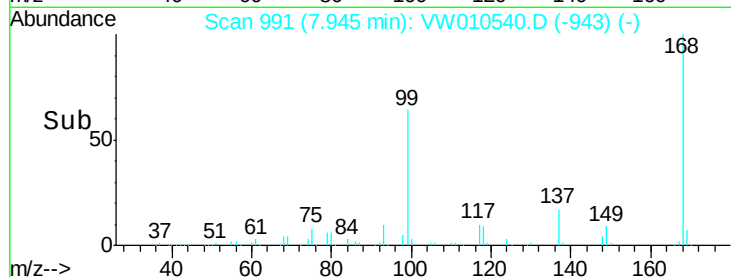
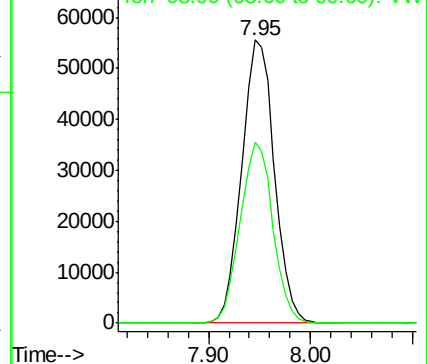
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 26.159 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010540.D

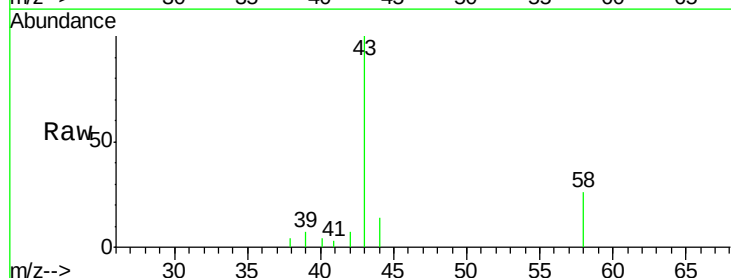
Acq: 23 May 2019 19:55

Tgt Ion: 43 Resp: 6815

Ion Ratio Lower Upper

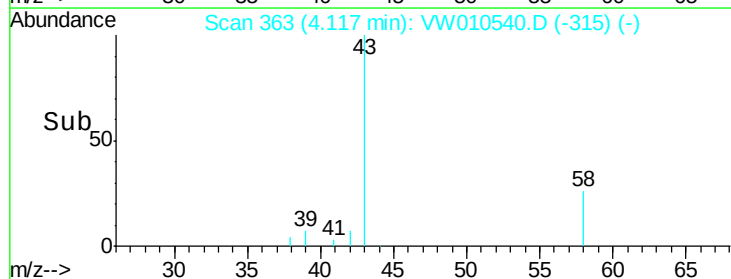
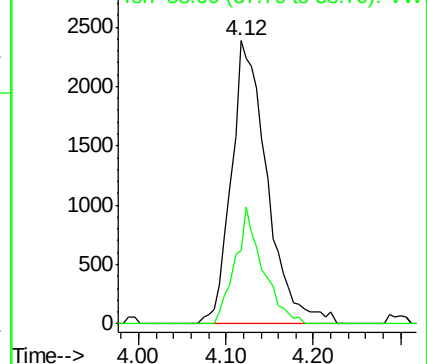
43 100

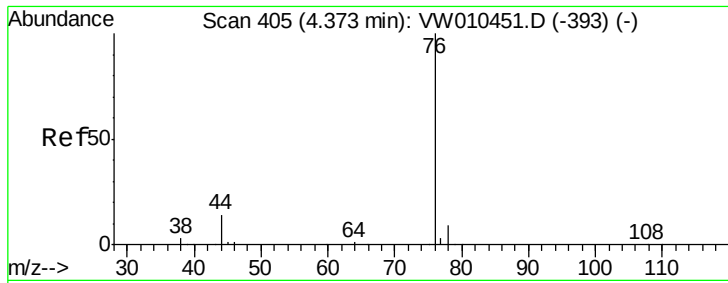
58 25.9 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.193 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010540.D

Acq: 23 May 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

EP1-SB-MW-ER(17-20)

Tot Ion: 76 Resp: 4649

Ion Ratio Lower Upper

76 100

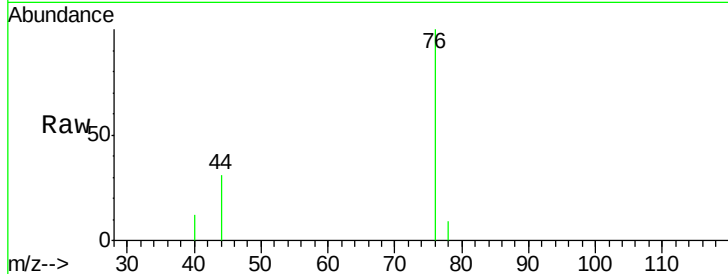
78 9.3 7.1 10.7

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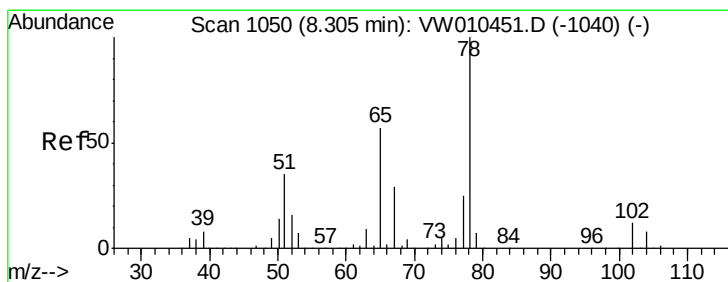
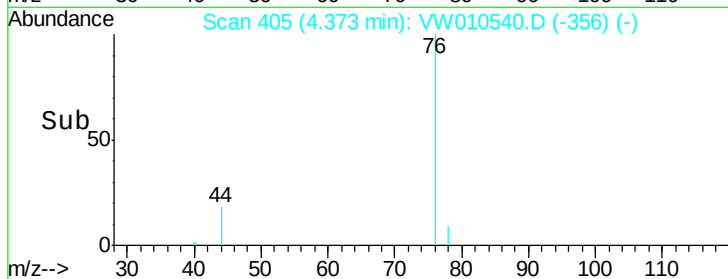
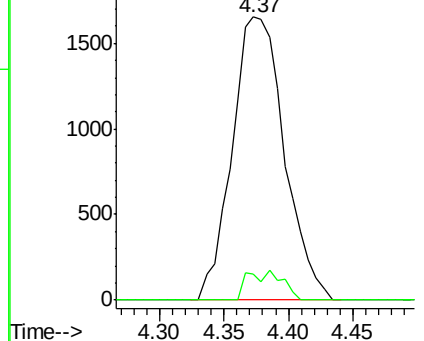
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#33

1,2-Dichloroethane-d4

Concen: 55.613 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010540.D

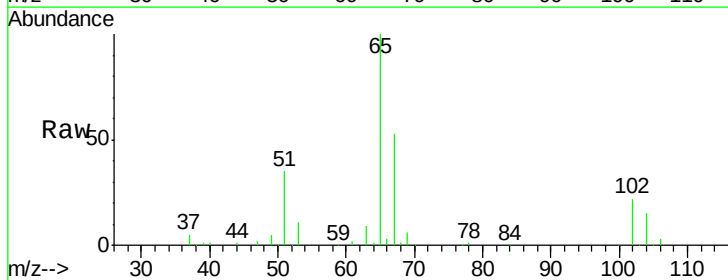
Acq: 23 May 2019 19:55

Tgt Ion: 65 Resp: 70979

Ion Ratio Lower Upper

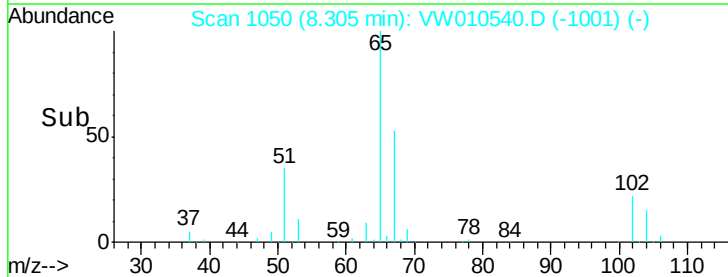
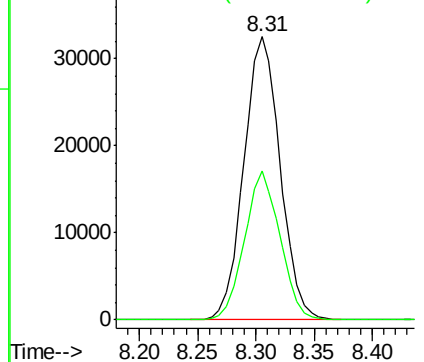
65 100

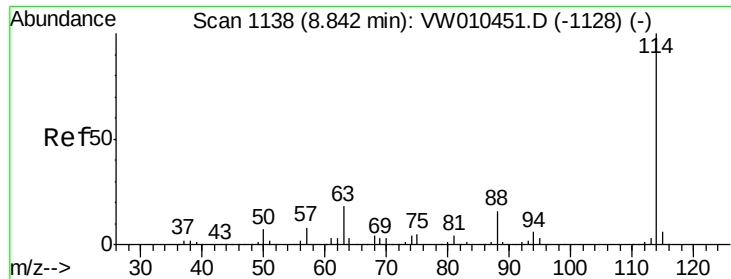
67 51.4 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





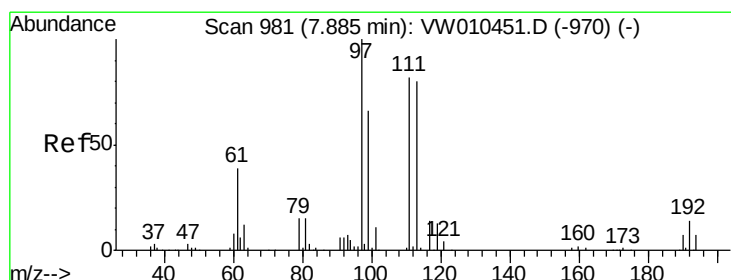
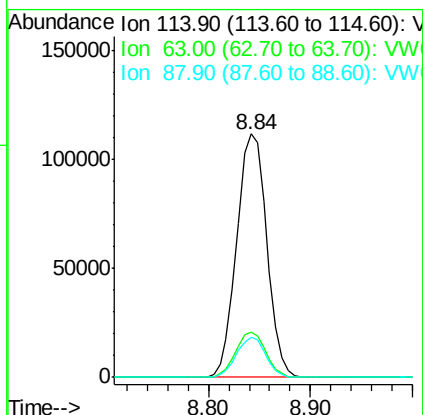
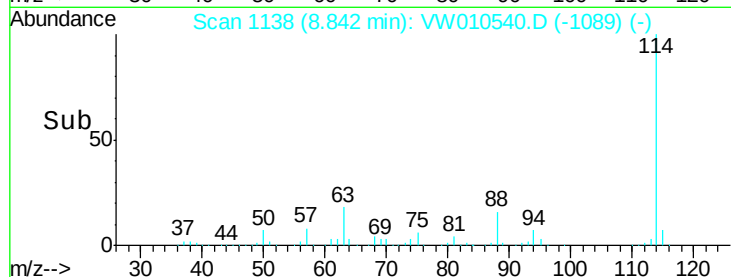
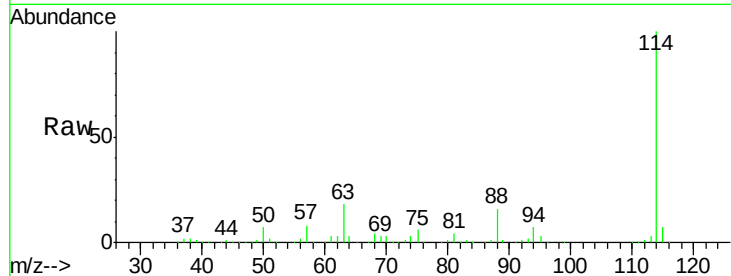
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010540.D
Acq: 23 May 2019 19:55

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.5	0.0	36.0
88	16.3	0.0	32.0

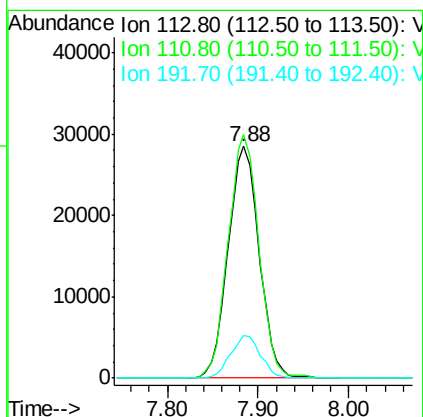
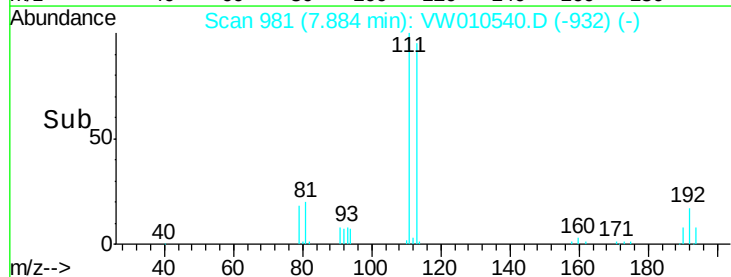
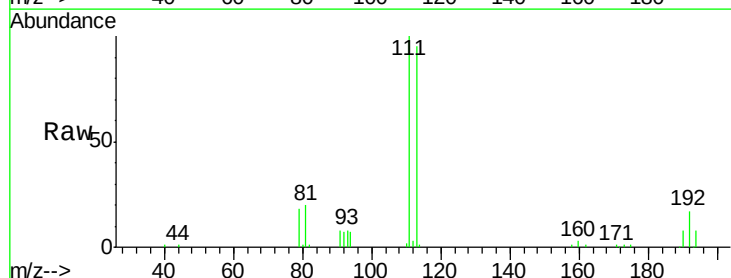
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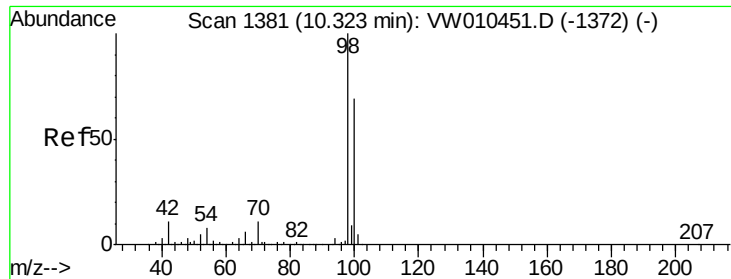
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#35
Dibromofluoromethane
Concen: 48.897 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010540.D
Acq: 23 May 2019 19:55

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	104.0	82.2	123.4
192	17.6	14.3	21.5





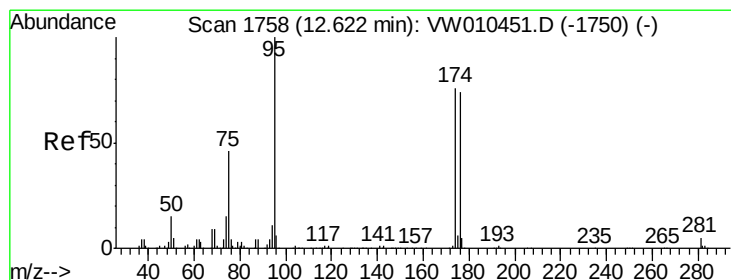
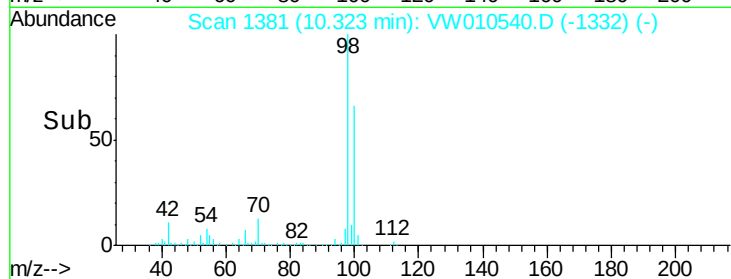
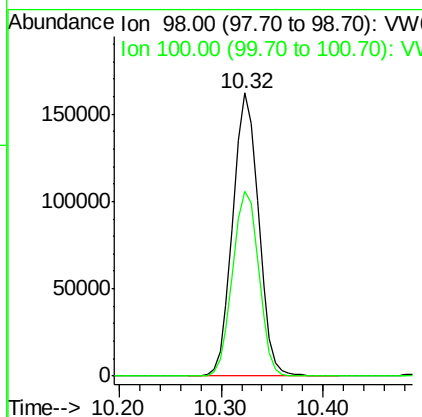
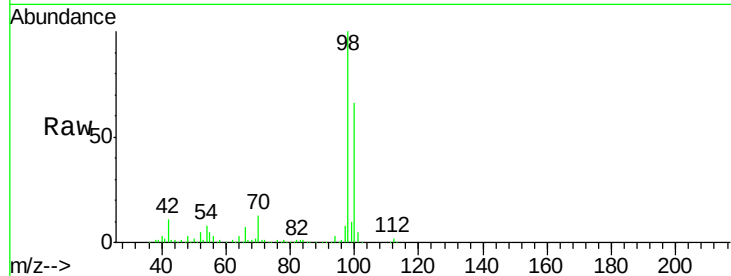
#50
Toluene-d8
Concen: 53.480 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010540.D
Acq: 23 May 2019 19:55

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

Tot Ion: 98 Resp: 283279
Ion Ratio Lower Upper
98 100
100 66.3 53.7 80.5

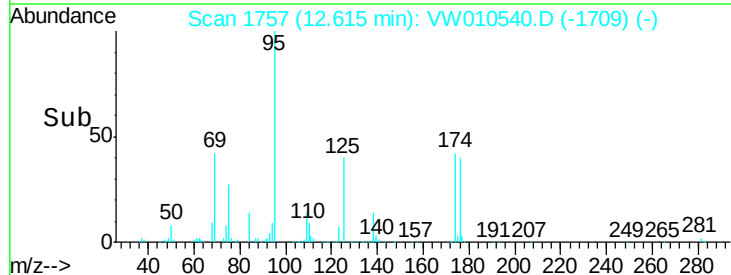
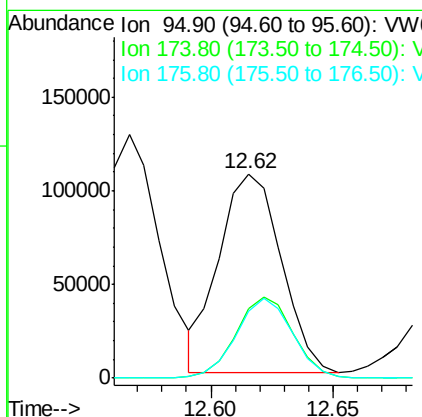
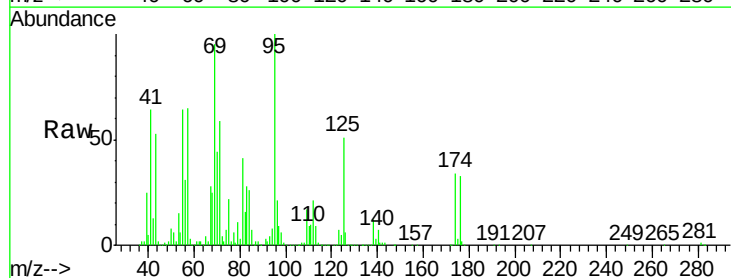
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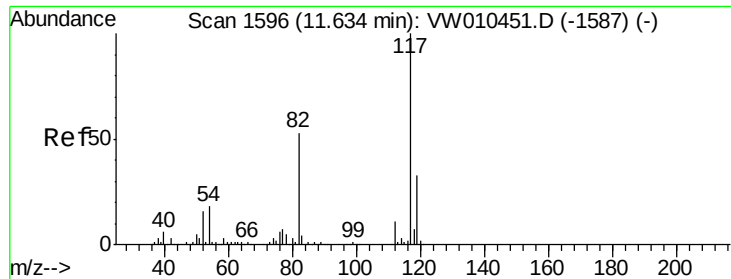
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#62
4-Bromofluorobenzene
Concen: 89.075 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW010540.D
Acq: 23 May 2019 19:55

Tgt Ion: 95 Resp: 187935
Ion Ratio Lower Upper
95 100
174 37.6 0.0 148.6
176 36.2 0.0 144.2





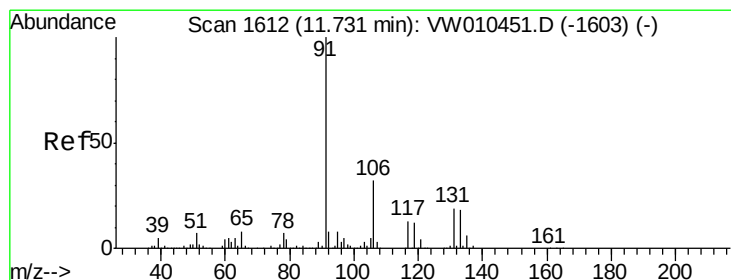
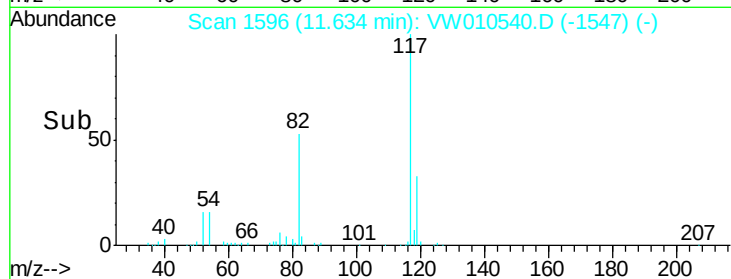
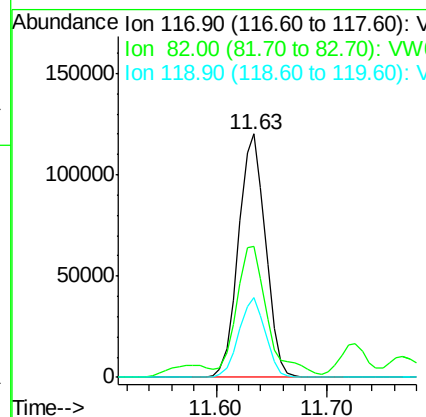
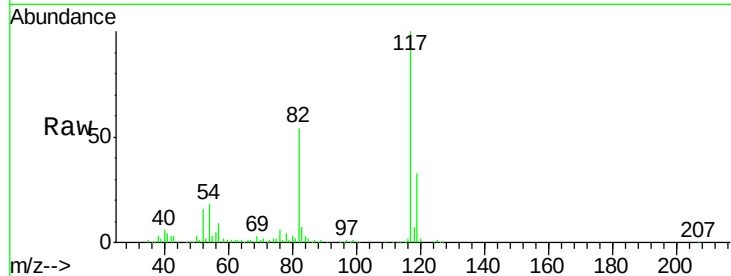
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010540.D
Acq: 23 May 2019 19:55

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

Tot Ion	Ratio	Resp	Lower	Upper
117	100	201538		
82	48.8		42.8	64.2
119	32.6		26.3	39.5

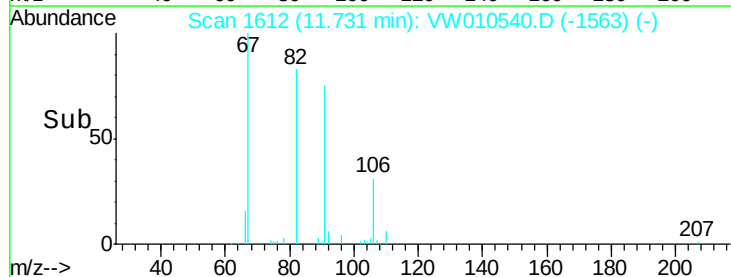
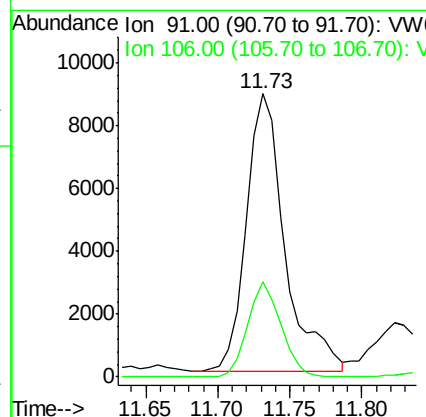
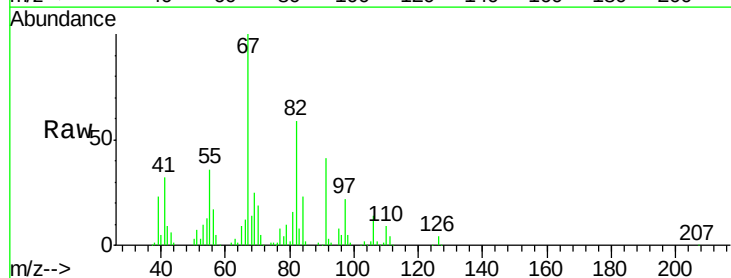
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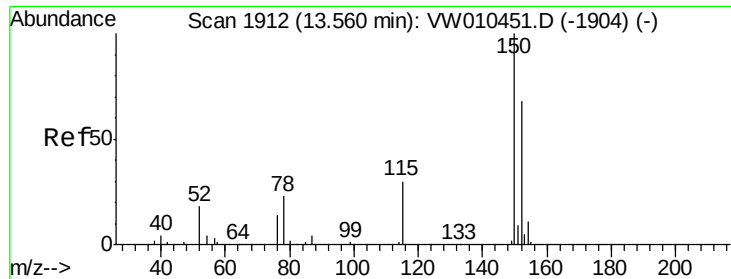
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#67
Ethyl Benzene
Concen: 2.173 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010540.D
Acq: 23 May 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	16477		
106	34.1		25.9	38.9





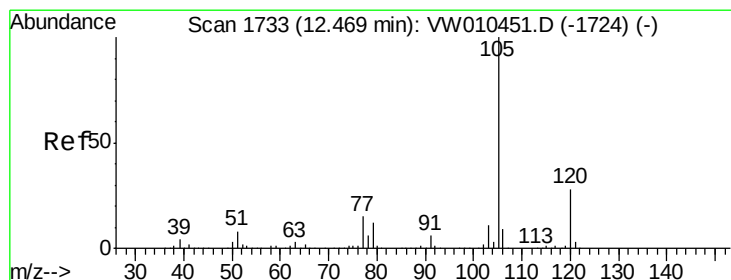
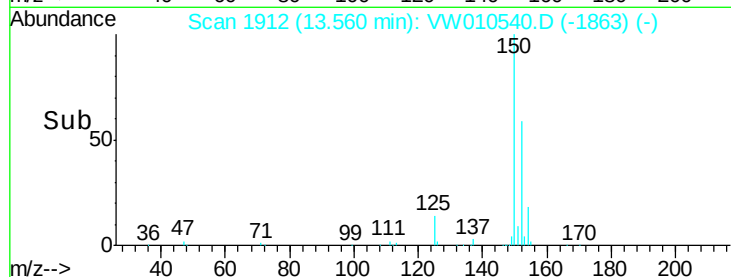
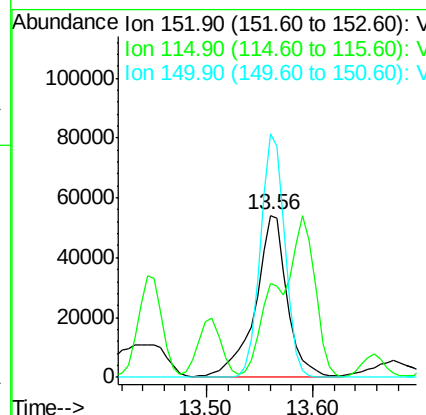
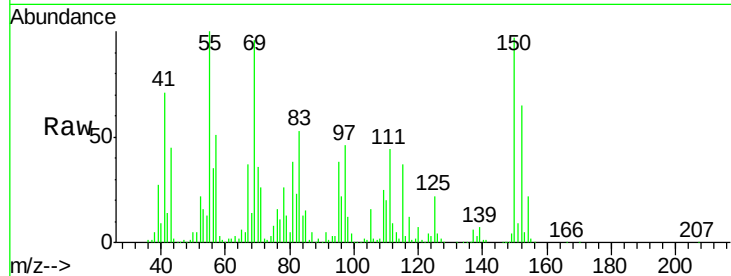
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW010540.D
 Acq: 23 May 2019 19:55

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-SB-MW-ER(17-20)

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	30.3	91.0#
150	117.7	0.0	349.8

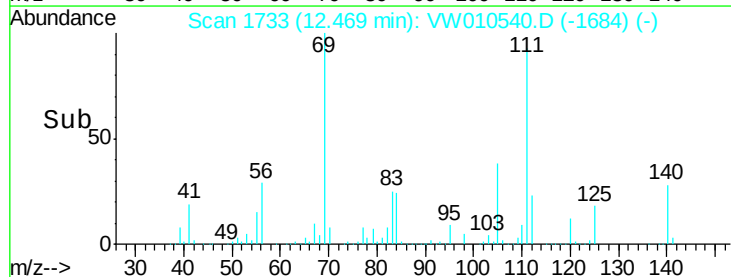
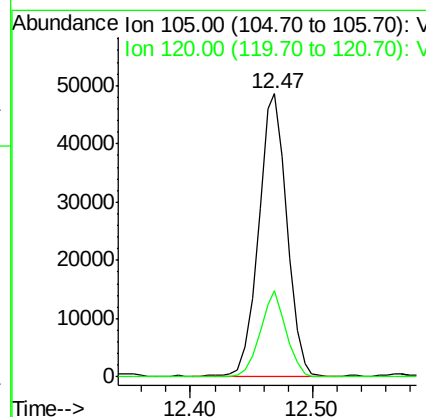
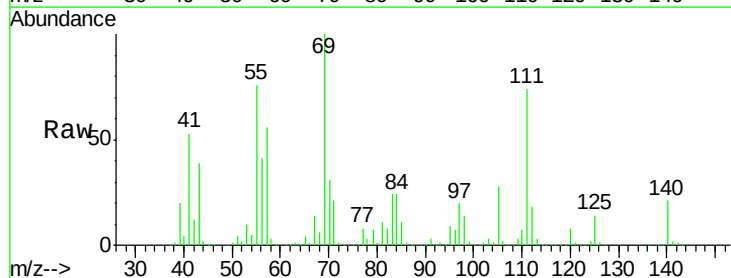
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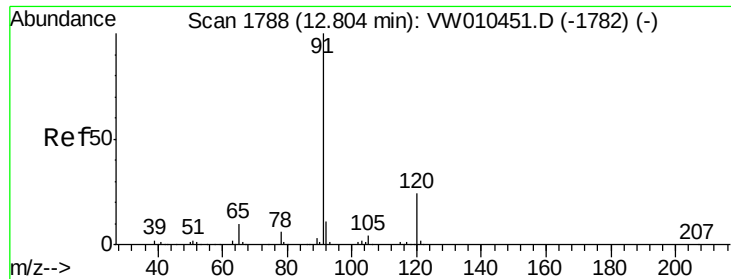
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#73
 Isopropylbenzene
 Concen: 8.817 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: VW010540.D
 Acq: 23 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.7





#78

n-propylbenzene

Concen: 9.293 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010540.D

Acq: 23 May 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

EP1-SB-MW-ER(17-20)

Tot Ion: 91 Resp: 95681

Ion Ratio Lower Upper

91 100

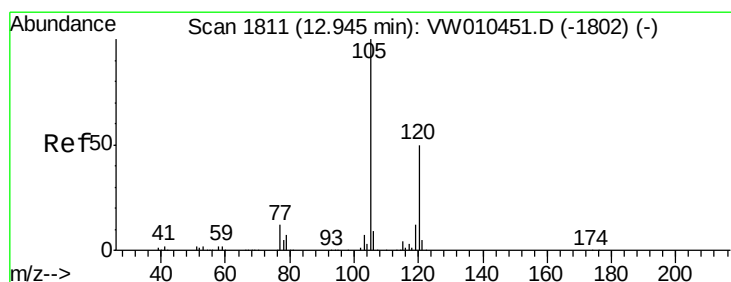
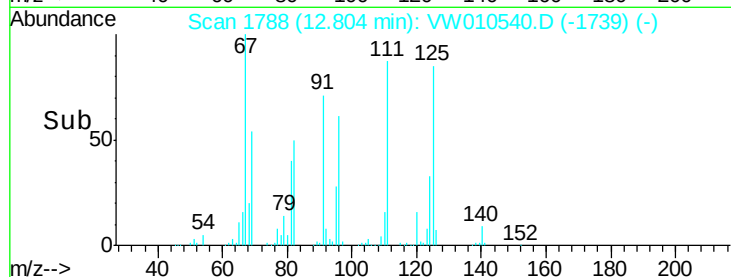
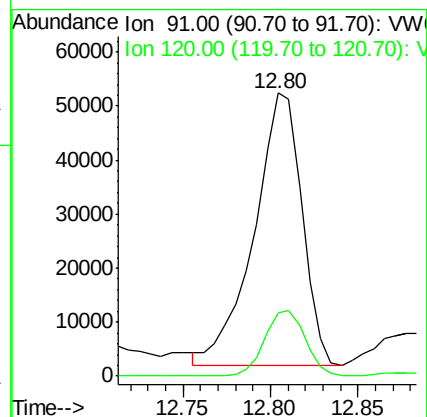
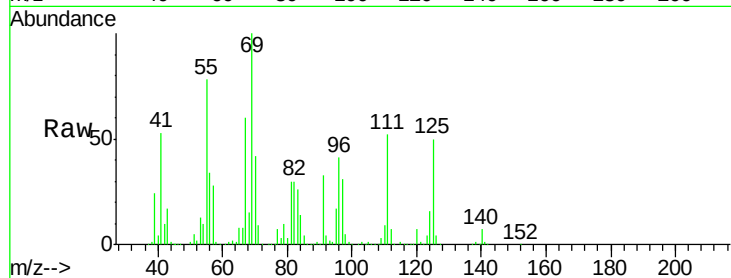
120 20.5 12.3 36.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 99.031 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW010540.D

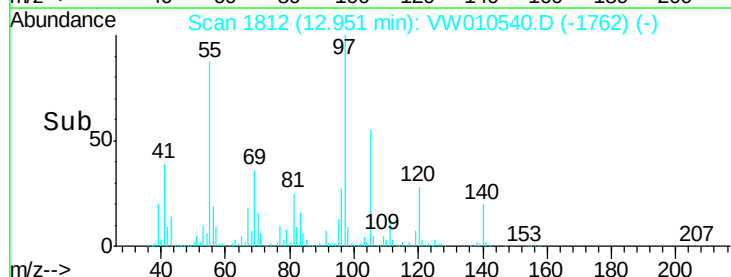
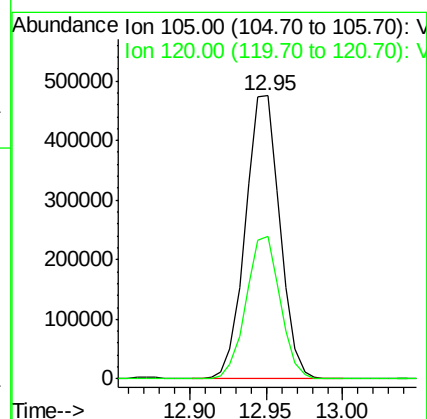
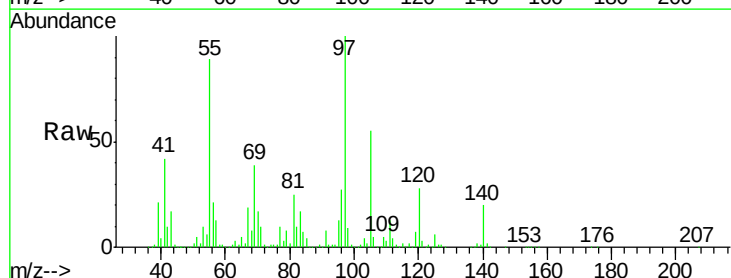
Acq: 23 May 2019 19:55

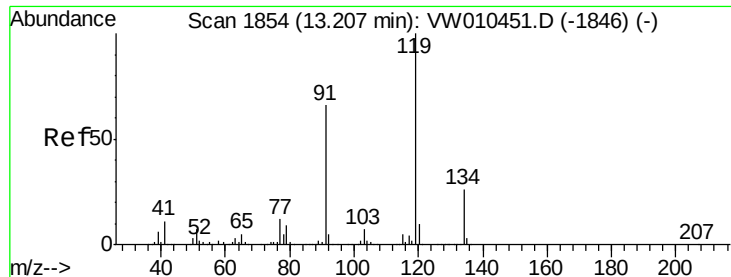
Tgt Ion: 105 Resp: 741011

Ion Ratio Lower Upper

105 100

120 49.9 25.2 75.6





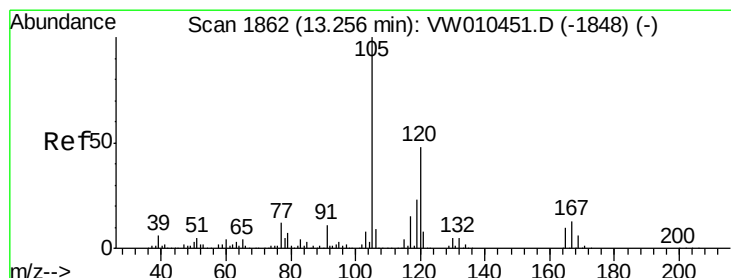
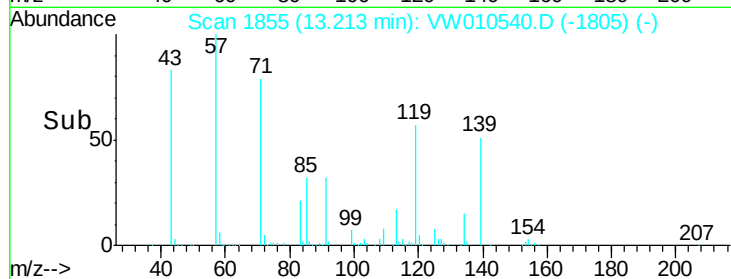
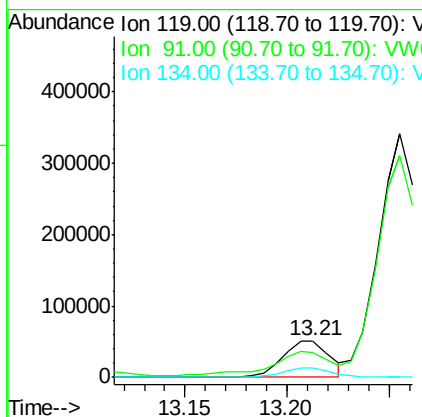
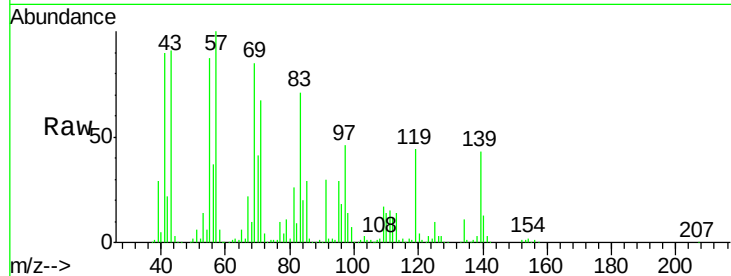
#83
tert-Butylbenzene
Concen: 12.381 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VW010540.D
Acq: 23 May 2019 19:55

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.5	33.1	99.5
134	26.5	13.9	41.6

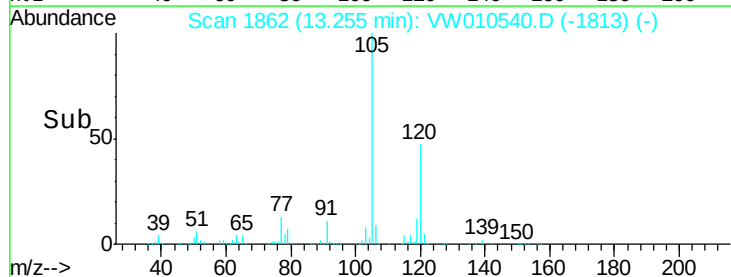
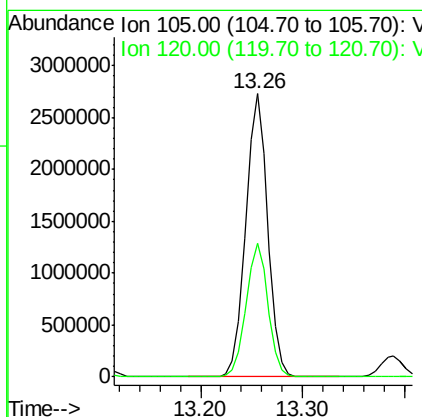
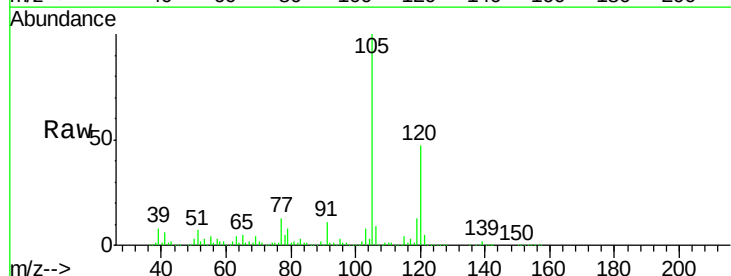
Manual Integrations
APPROVED

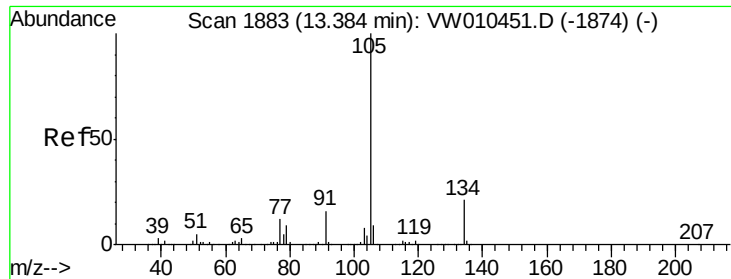
MMDadoda
5/24/2019 10:59:55 AM



#84
1,2,4-Trimethylbenzene
Concen: 544.460 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010540.D
Acq: 23 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.4	70.2





#85

sec-Butylbenzene

Concen: 33.907 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW010540.D

Acq: 23 May 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

EP1-SB-MW-ER(17-20)

Tot Ion:105 Resp: 310140

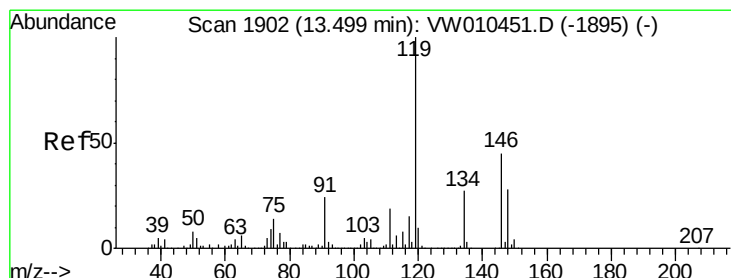
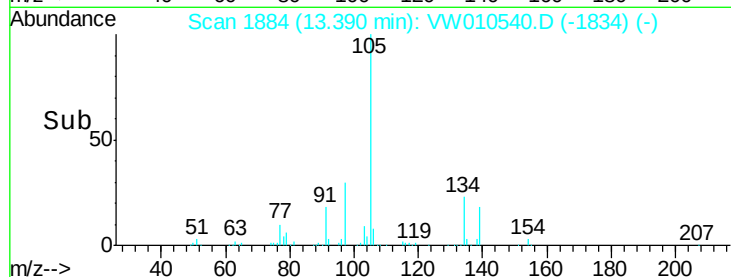
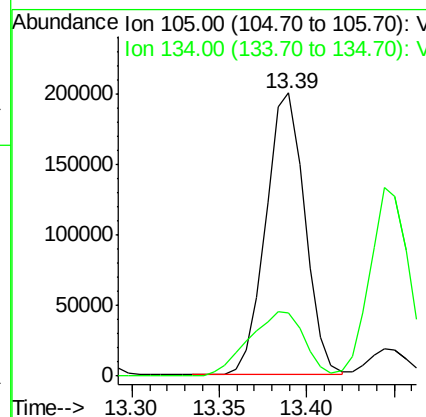
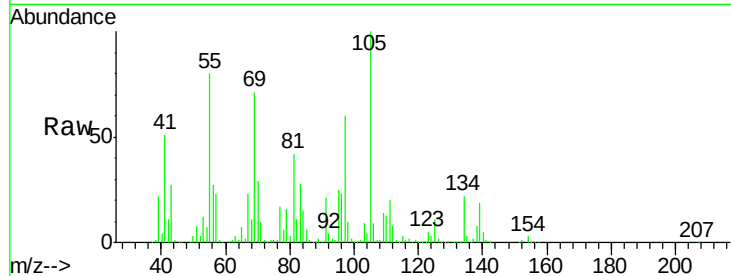
Ion Ratio Lower Upper

105 100

134 32.3 10.5 31.6#

Manual Integrations
APPROVED

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5/24/2019 10:59:55 AM



#86

p-Isopropyltoluene

Concen: 46.946 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW010540.D

Acq: 23 May 2019 19:55

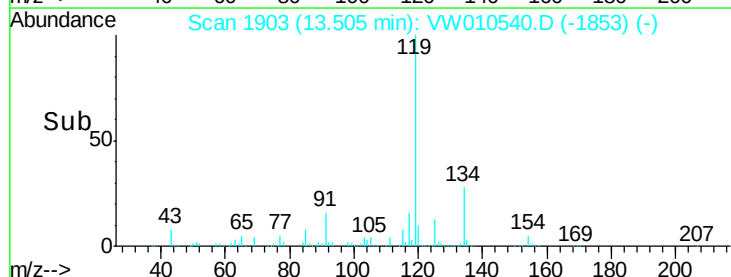
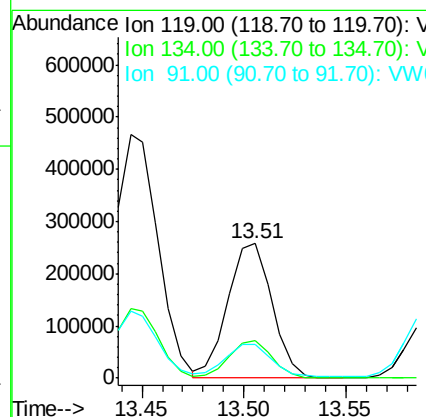
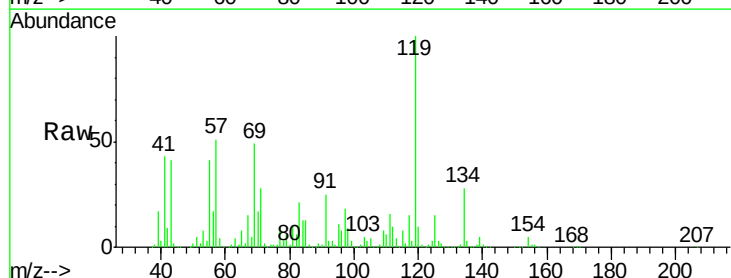
Tgt Ion:119 Resp: 388669

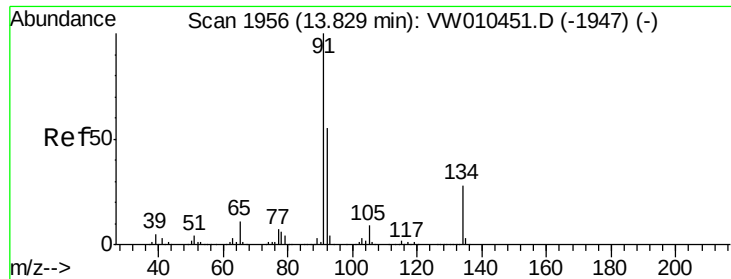
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 24.8 11.9 35.7





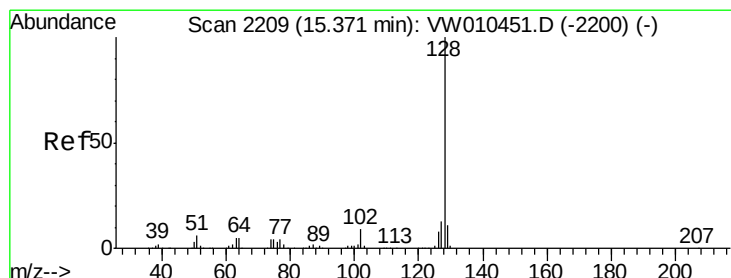
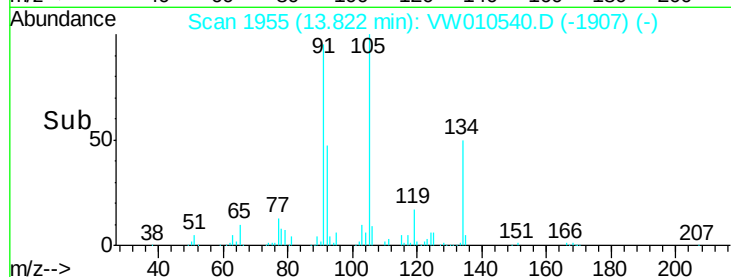
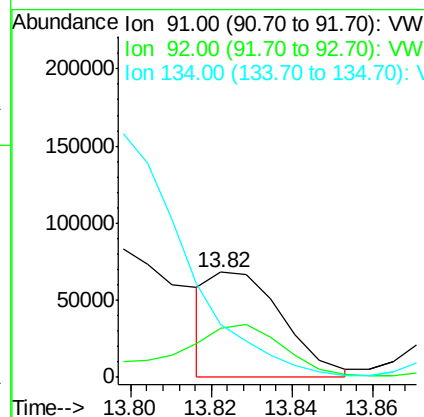
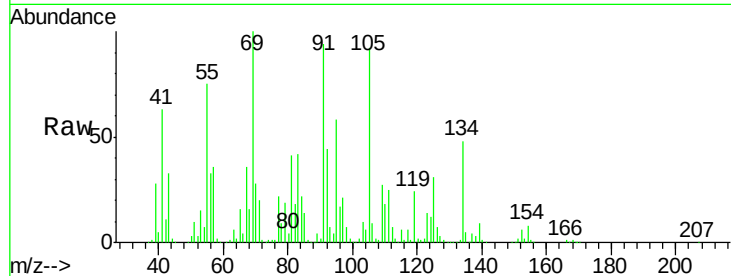
#89
n-Butylbenzene
Concen: 10.687 ug/l m
RT: 13.82 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VW010540.D
Acq: 23 May 2019 19:55

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	27.7	83.1#
134	359.6	13.9	41.6#

Manual Integrations
APPROVED

MMDadoda
5/24/2019 10:59:55 AM



#95
Naphthalene
Concen: 27.495 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010540.D
Acq: 23 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.5	8.9	13.3

