

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006955.D
 Acq On : 19 Nov 2018 20:59
 Operator : SY/AP
 Sample : J5981-02RE
 Misc : 4.51G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)RE

Manual Integrations
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 11/30/2018 1:16:12 PM

Quant Time: Nov 30 12:49:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	156750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	126758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	38183	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52951	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.89	113	50364	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	10.33	98	196449	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.62	95	56672	36.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.70%	
Target Compounds						
					Qvalue	
16) Acetone	4.15	43	14196	90.383	ug/l	95
17) Carbon Disulfide	4.38	76	10284	3.829	ug/l	97
20) Methylene Chloride	4.92	84	7312	3.630	ug/l	96
25) 2-Butanone	7.18	43	4421	16.948	ug/l #	89
39) Methylcyclohexane	9.34	83	13714	7.400	ug/l	98
40) Benzene	8.33	78	6088141	1442.544	ug/l	100
52) Toluene	10.39	92	1893681	670.688	ug/l	99
67) Ethyl Benzene	11.74	91	4055408	840.397	ug/l	97
68) m/p-Xylenes	11.84	106	2250548	1197.649	ug/l	100
69) o-Xylene	12.17	106	1037276	581.595	ug/l	100
70) Styrene	12.18	104	567701m	197.936	ug/l	
73) Isopropylbenzene	12.47	105	109144	36.094	ug/l	99
78) n-propylbenzene	12.81	91	109315	30.085	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	615848	236.519	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1466804	560.749	ug/l	98
95) Naphthalene	15.38	128	28094028m	19775.466	ug/l	

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

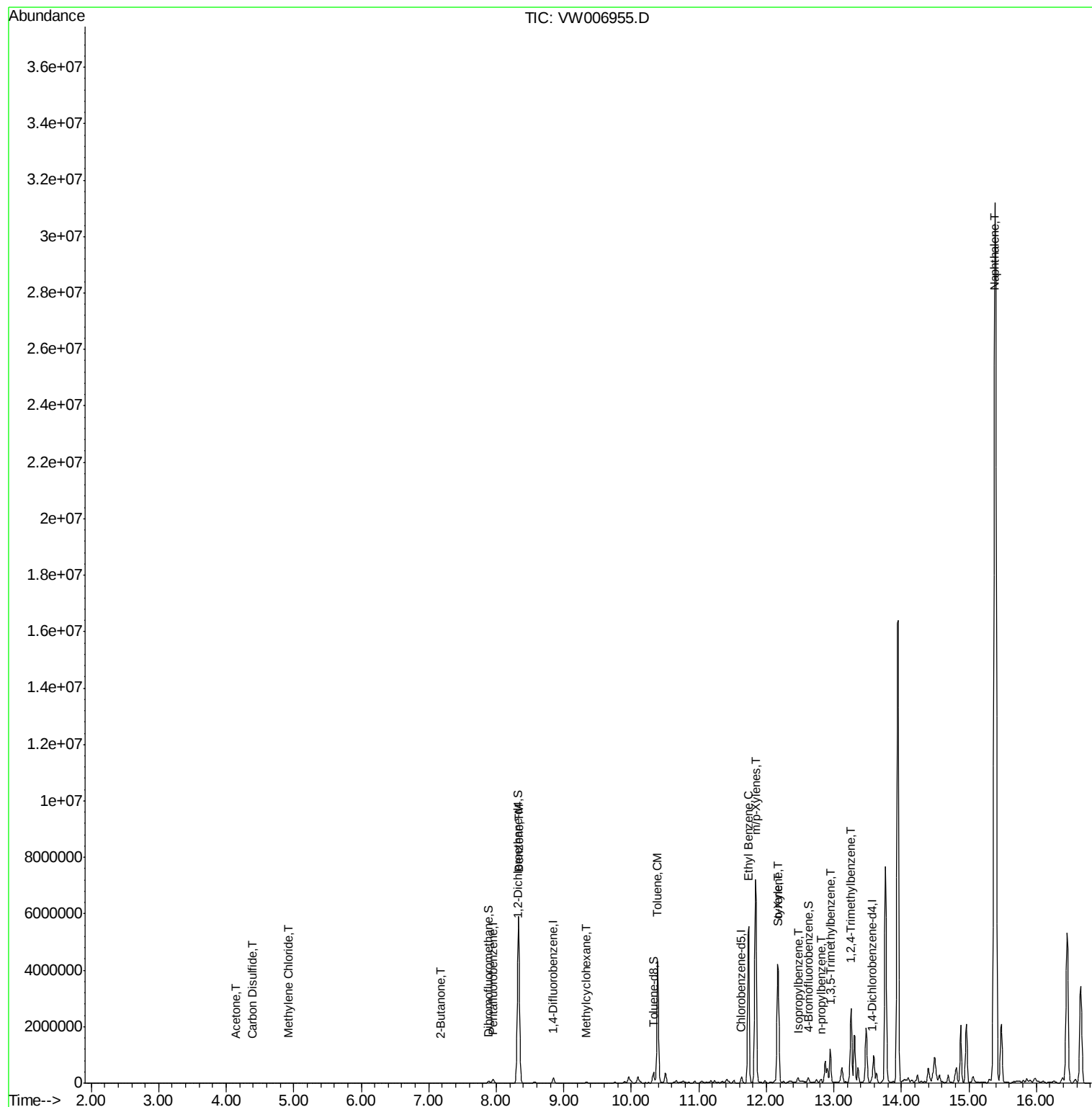
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112018\
Data File : VW006955.D
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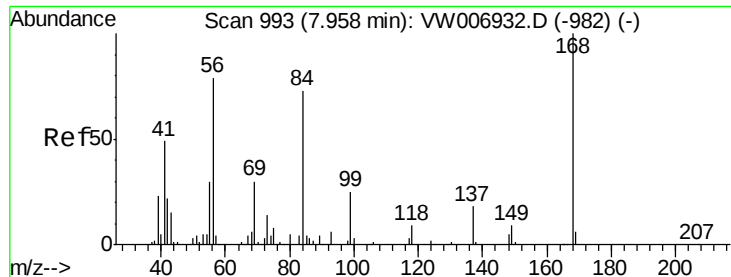
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)RE

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 17 04:45:18 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006955.D

Acq: 19 Nov 2018 20:59

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)RE

Tot Ion:168 Resp: 92140

Ion Ratio Lower Upper

168 100

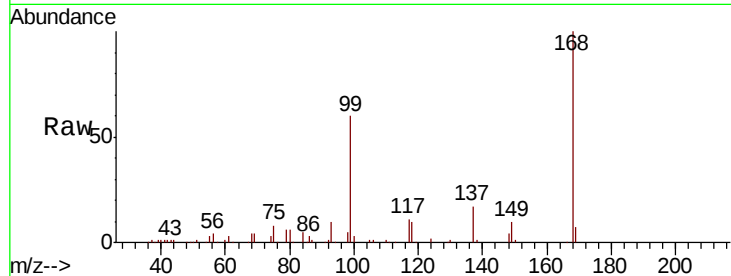
99 60.4 49.3 73.9

Manual Integrations

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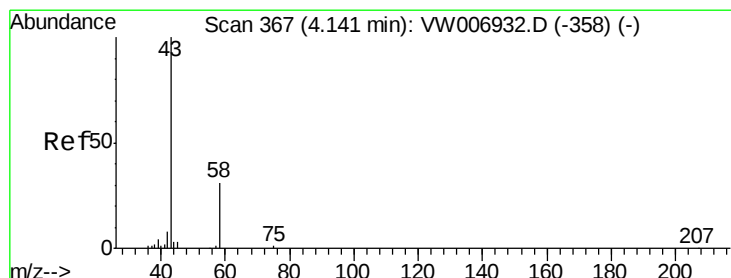
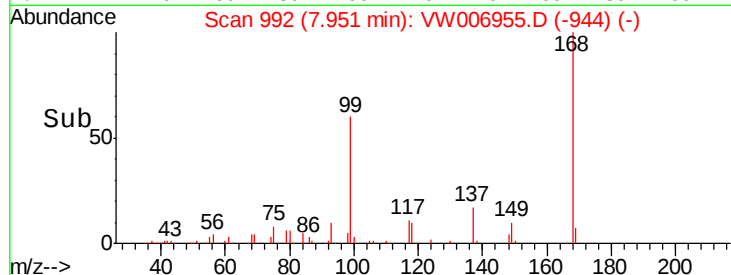
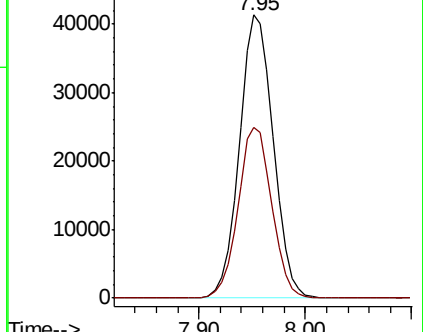
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 90.383 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006955.D

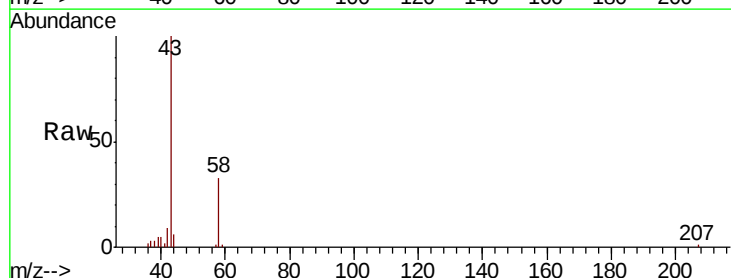
Acq: 19 Nov 2018 20:59

Tgt Ion: 43 Resp: 14196

Ion Ratio Lower Upper

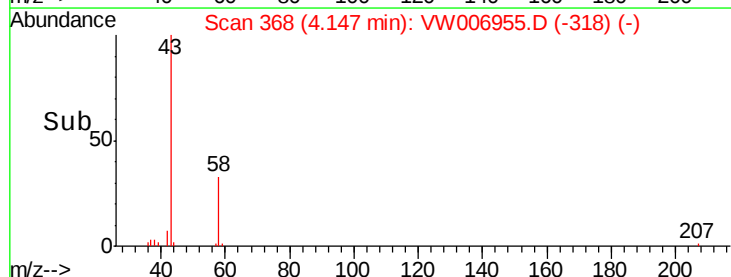
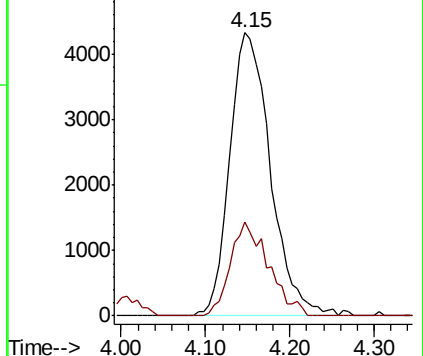
43 100

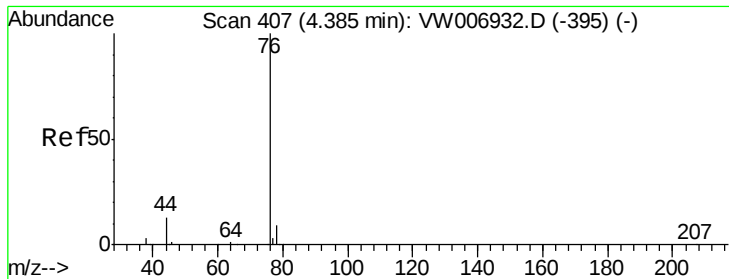
58 33.2 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 3.829 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW006955.D

Acq: 19 Nov 2018 20:59

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)RE

Tot Ion: 76 Resp: 10284

Ion Ratio Lower Upper

76 100

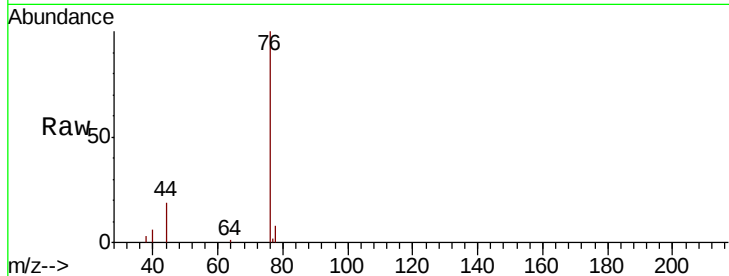
78 7.8 7.1 10.7

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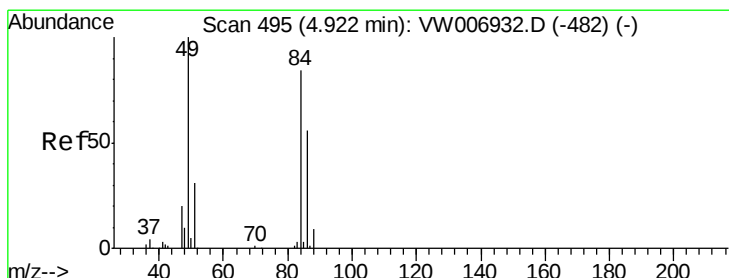
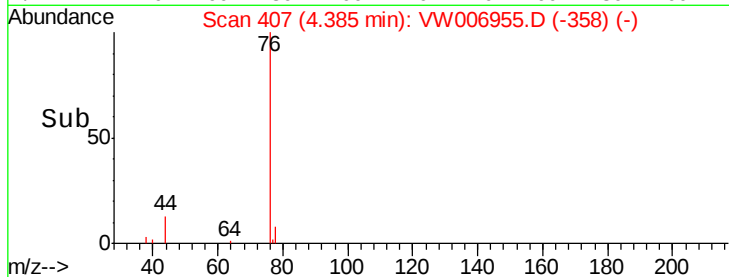
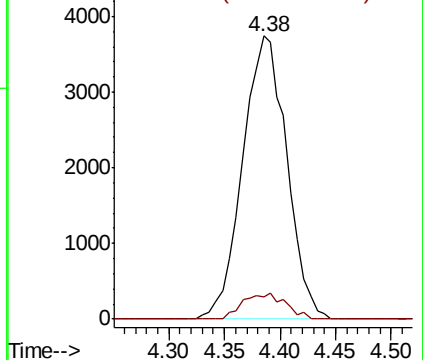
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 3.630 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW006955.D

Acq: 19 Nov 2018 20:59

Tgt Ion: 84 Resp: 7312

Ion Ratio Lower Upper

84 100

49 113.8 95.4 143.2

51 37.7 29.5 44.3

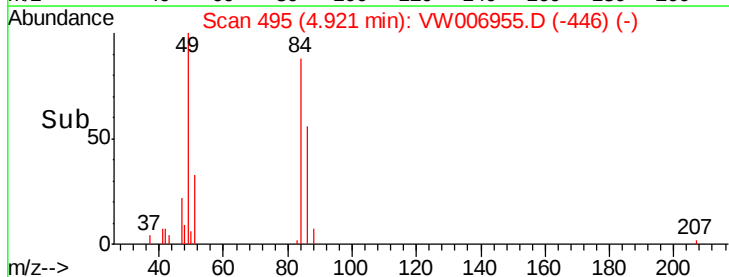
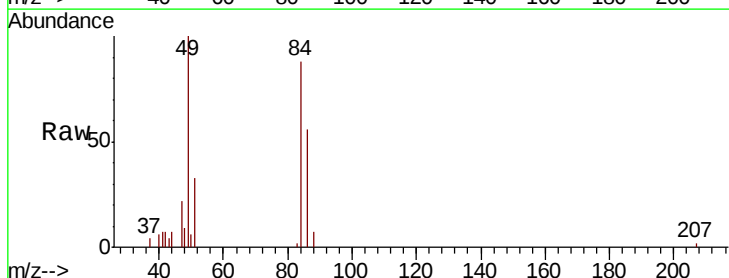
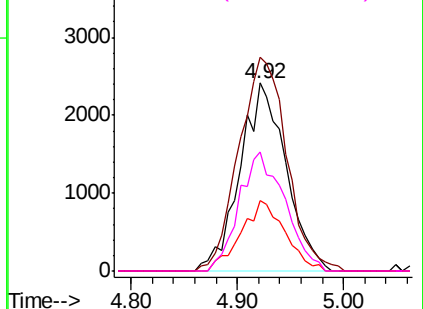
86 63.7 53.4 80.2

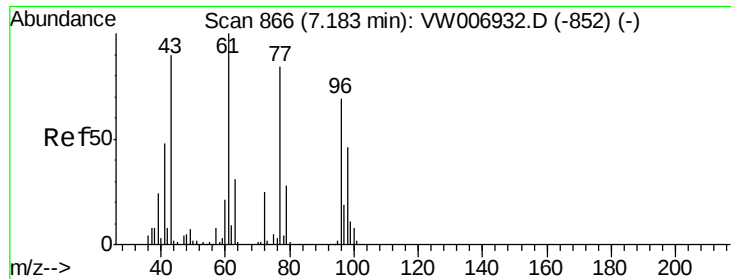
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 16.948 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006955.D

Acq: 19 Nov 2018 20:59

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)RE

Tot Ion: 43 Resp: 4421

Ion Ratio Lower Upper

43 100

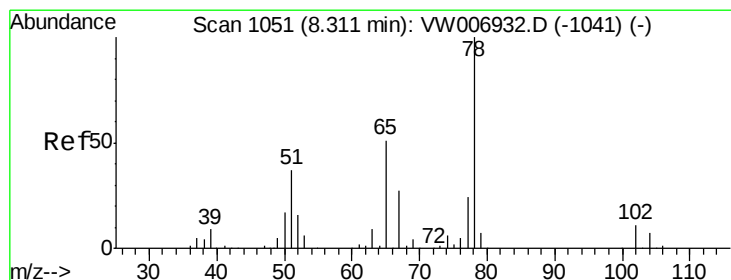
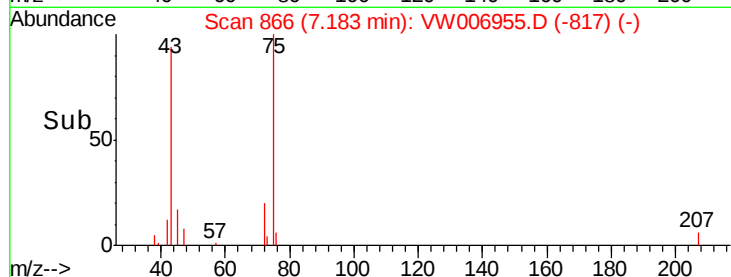
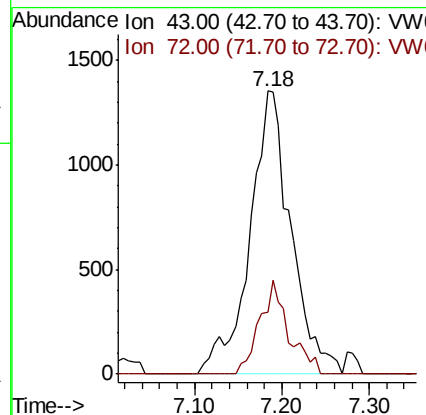
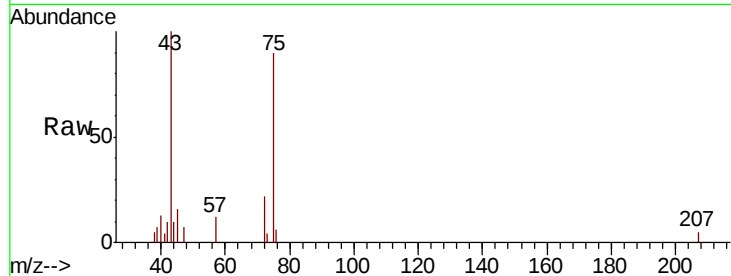
72 22.0 22.1 33.1#

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11/30/2018 1:16:12 PM



#33

1,2-Dichloroethane-d4

Concen: 51.566 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006955.D

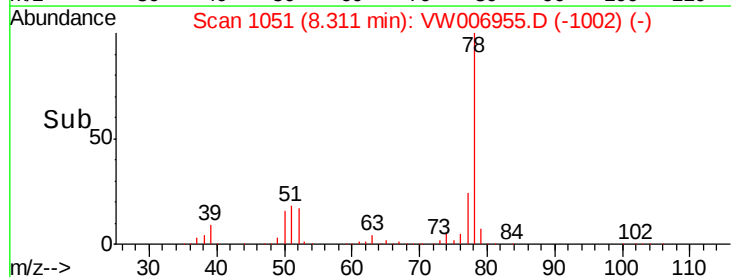
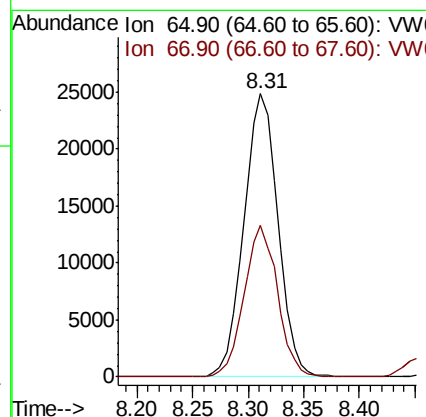
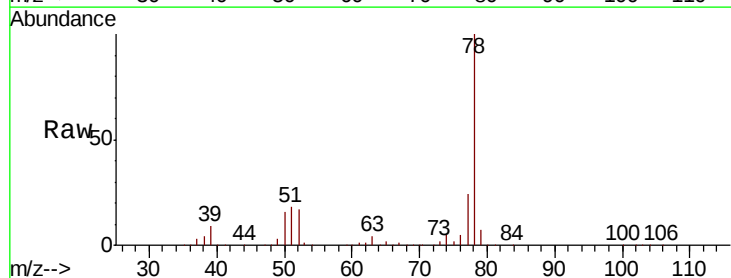
Acq: 19 Nov 2018 20:59

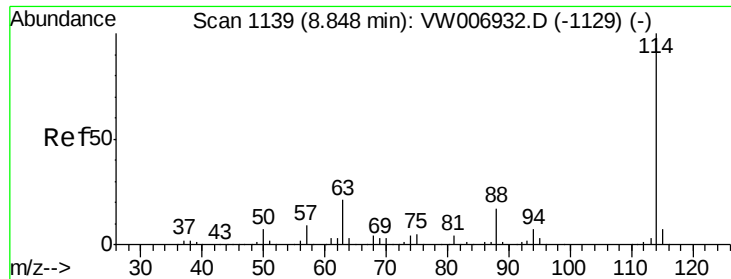
Tgt Ion: 65 Resp: 52951

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.0





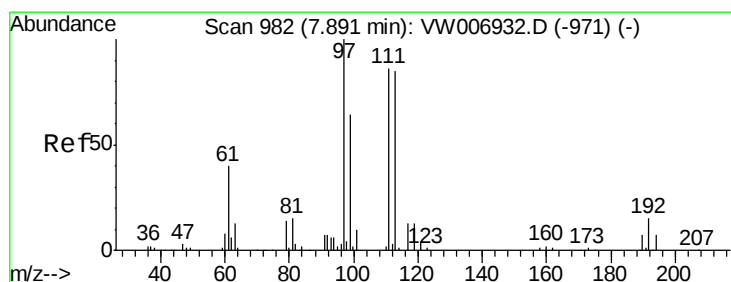
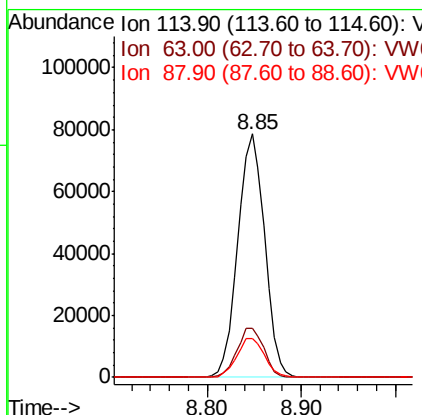
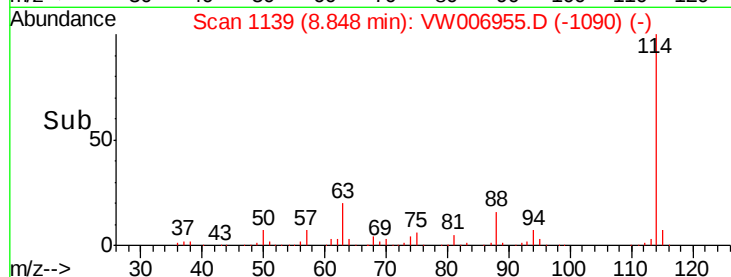
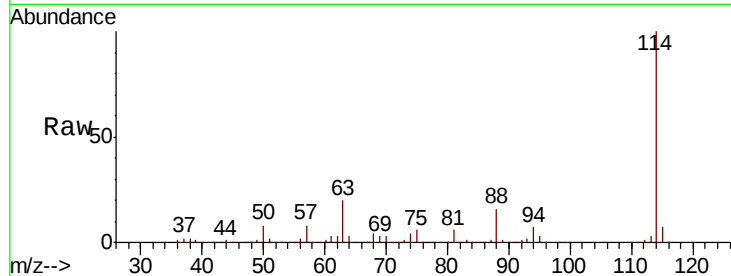
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006955.D
 Acq: 19 Nov 2018 20:59

Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)RE

Tot Ion	Ratio	Resp	Lower	Upper
114	100	156750		
63	19.9		0.0	42.2
88	16.1		0.0	33.4

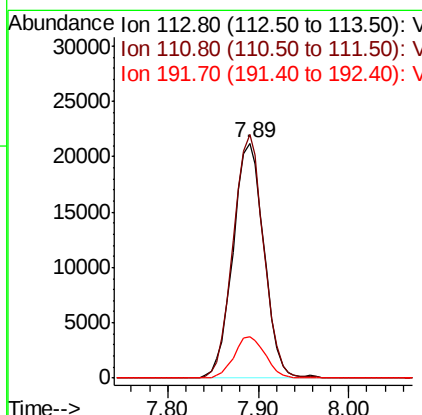
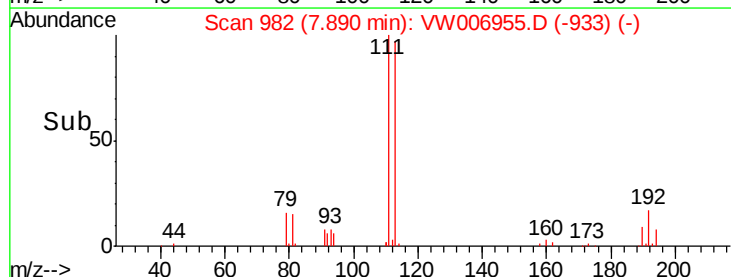
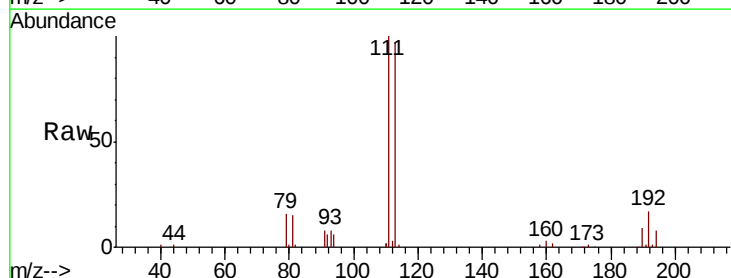
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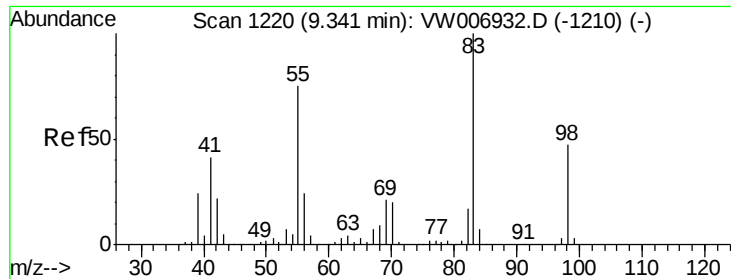
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#35
 Dibromofluoromethane
 Concen: 54.873 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006955.D
 Acq: 19 Nov 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	50364		
111	101.5		81.7	122.5
192	17.7		13.9	20.9





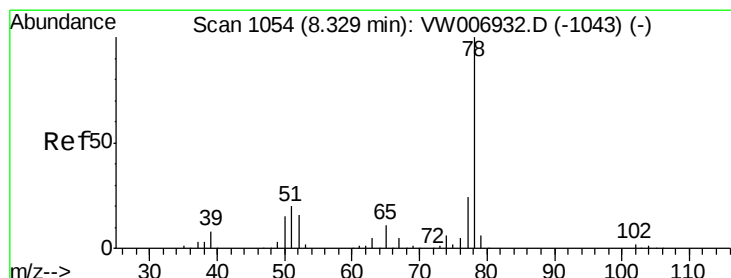
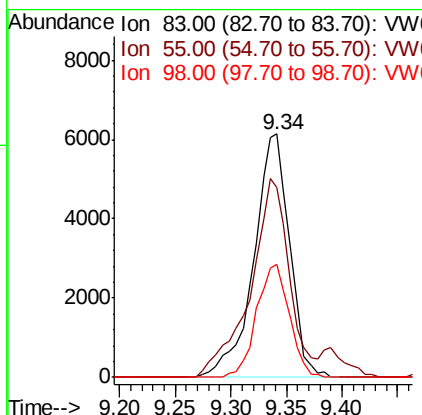
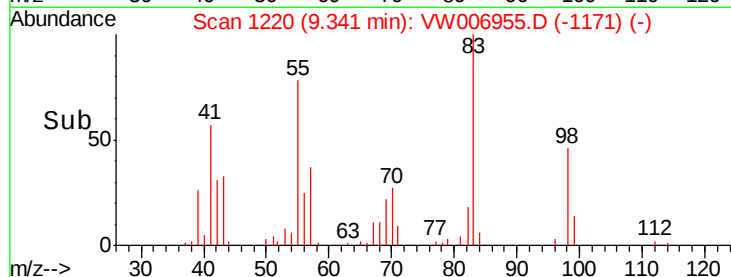
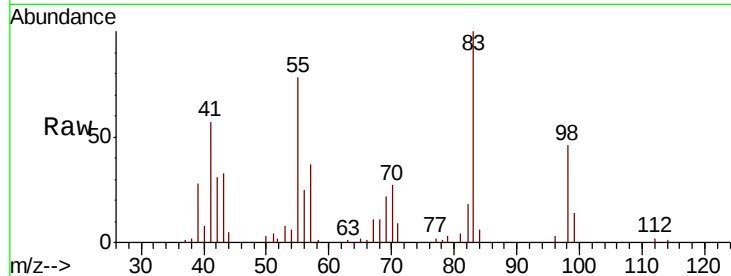
#39
Methvlcvclohexane
Concen: 7.400 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW006955.D
Acq: 19 Nov 2018 20:59

Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)RE

Tot Ion	83.00	Resp	13714
Ion Ratio	100	Lower	Upper
83	100		
55	78.0	60.2	90.4
98	46.3	37.3	55.9

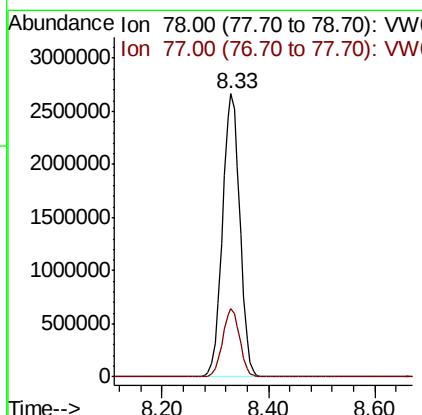
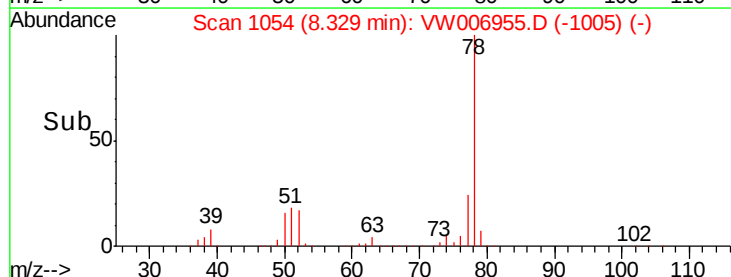
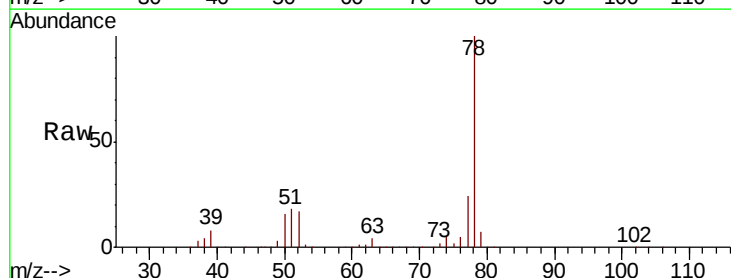
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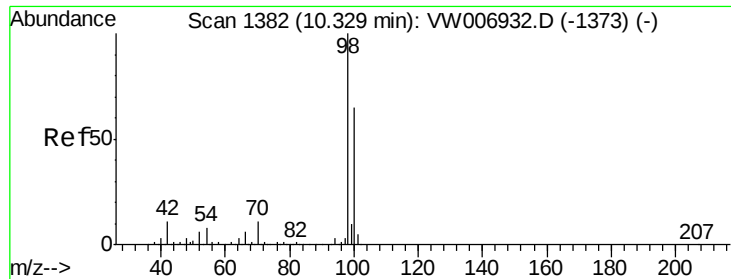
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#40
Benzene
Concen: 1442.544 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006955.D
Acq: 19 Nov 2018 20:59

Tgt Ion	78	Resp	6088141
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	19.3	28.9





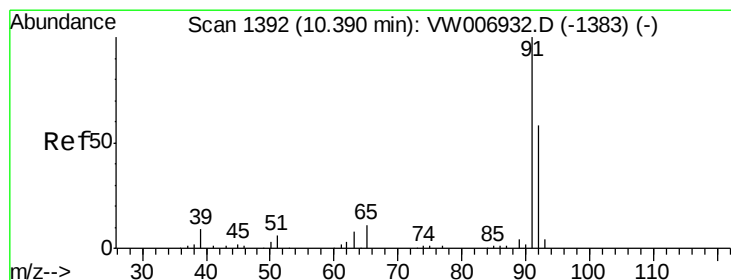
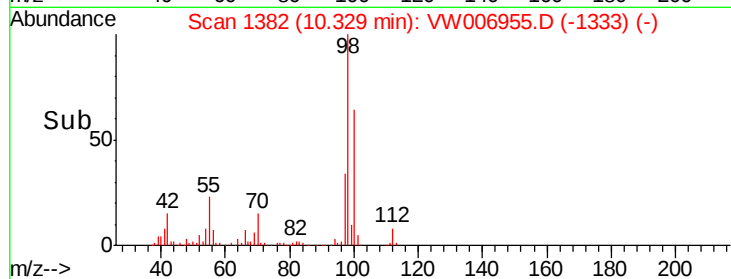
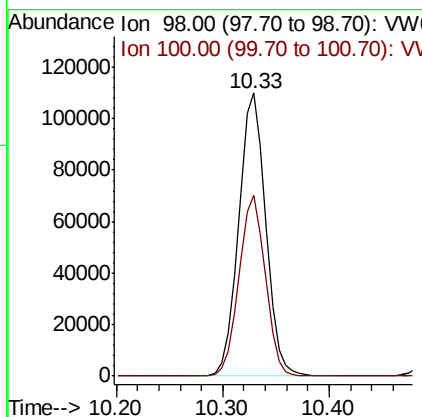
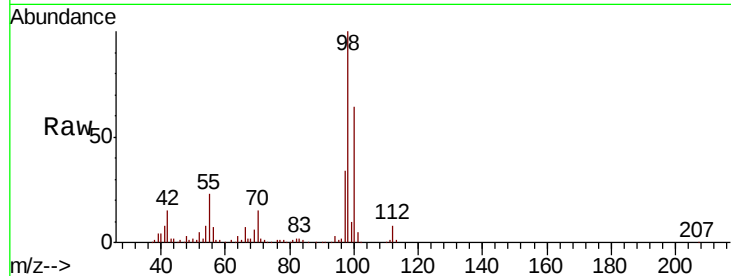
#50
Toluene-d8
Concen: 49.807 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006955.D
Acq: 19 Nov 2018 20:59

Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)RE

Tot Ion: 98 Resp: 196449
Ion Ratio Lower Upper
98 100
100 62.3 52.3 78.5

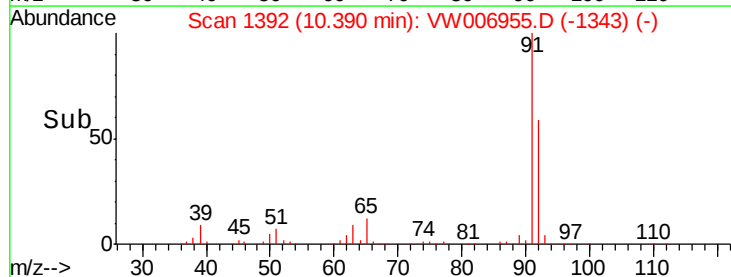
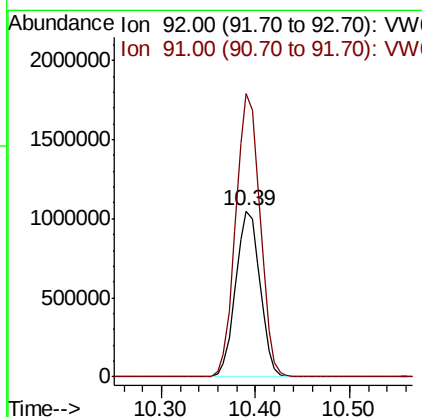
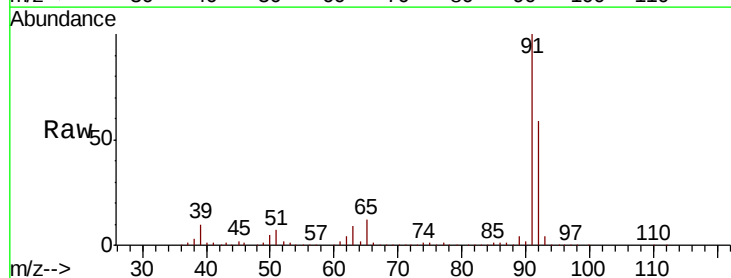
Manual Integrations
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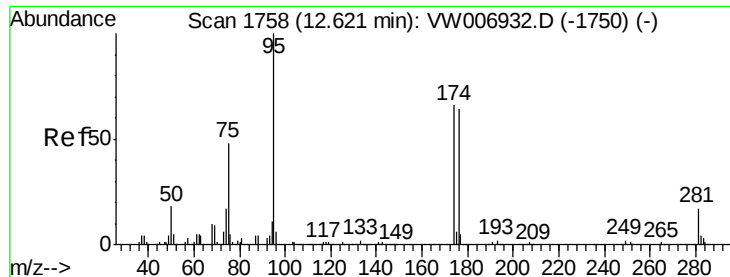
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#52
Toluene
Concen: 670.688 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW006955.D
Acq: 19 Nov 2018 20:59

Tgt Ion: 92 Resp: 1893681
Ion Ratio Lower Upper
92 100
91 170.4 137.3 205.9





#62

4-Bromofluorobenzene

Concen: 36.849 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006955.D

Acq: 19 Nov 2018 20:59

Instrument :

MSVOA_W

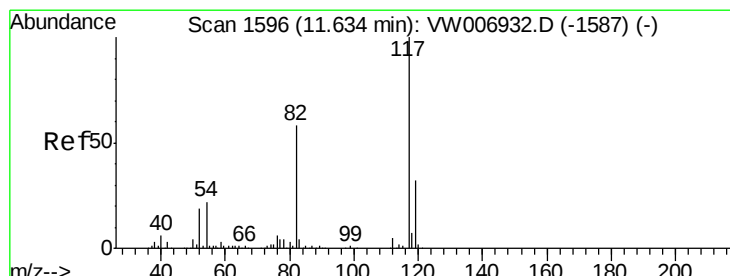
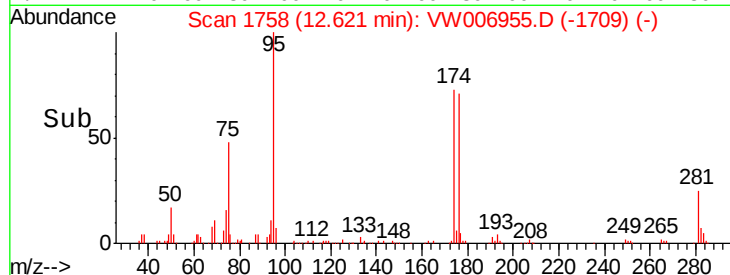
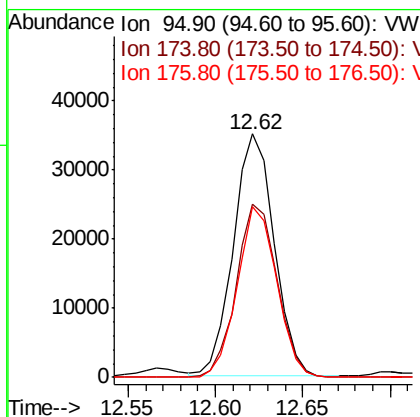
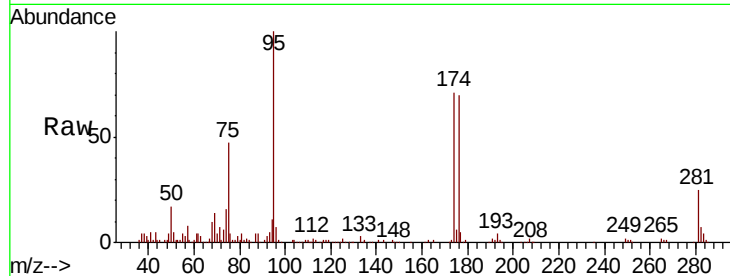
ClientSampleId :

DTW-02(11-13)RE

Tot Ion:	95	Resp:	56672
Ion Ratio	Lower	Upper	
95	100		
174	71.8	0.0	138.4
176	68.3	0.0	133.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

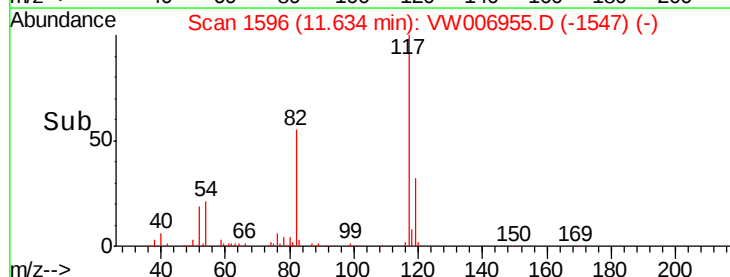
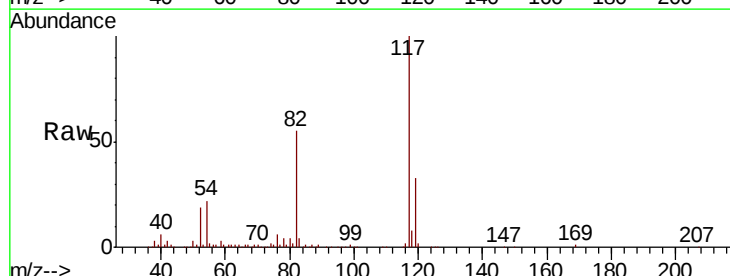
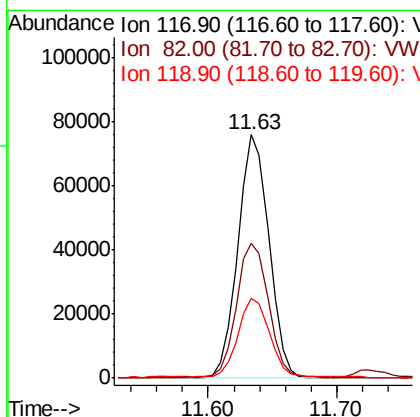
RT: 11.63 min Scan# 1596

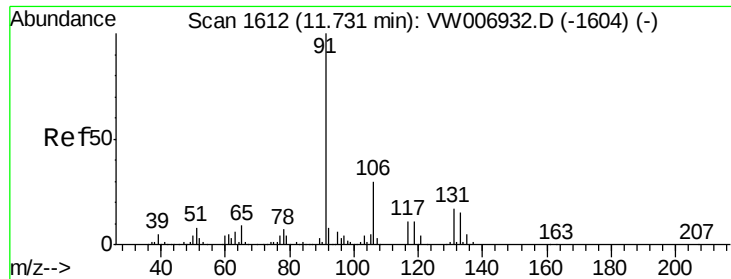
Delta R.T. -0.00 min

Lab File: VW006955.D

Acq: 19 Nov 2018 20:59

Tgt Ion:	117	Resp:	126758
Ion Ratio	Lower	Upper	
117	100		
82	55.0	46.2	69.2
119	32.3	25.5	38.3





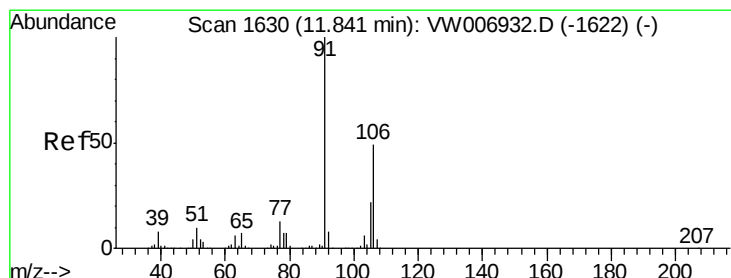
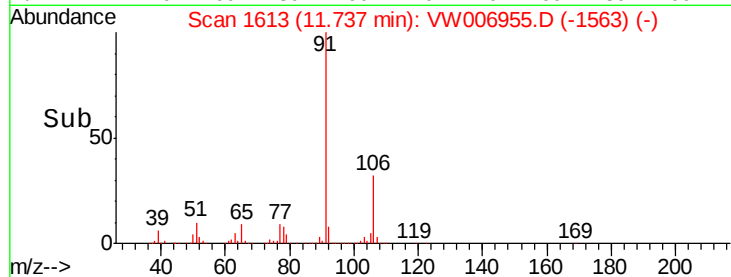
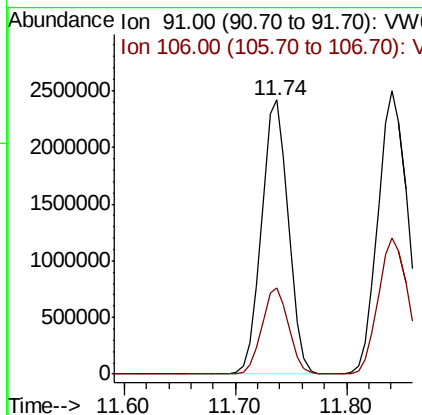
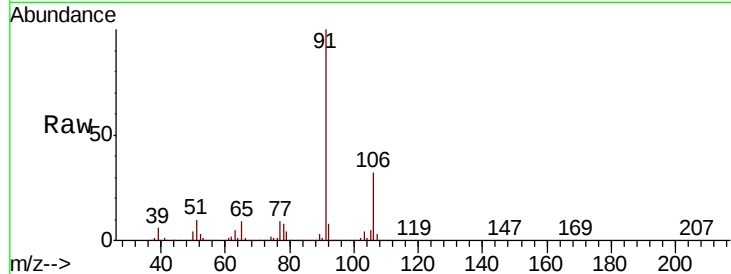
#67
Ethyl Benzene
Concen: 840.397 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006955.D
Acq: 19 Nov 2018 20:59

Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)RE

Tot Ion: 91 Resp: 4055408
Ion Ratio Lower Upper
91 100
106 31.7 24.0 36.0

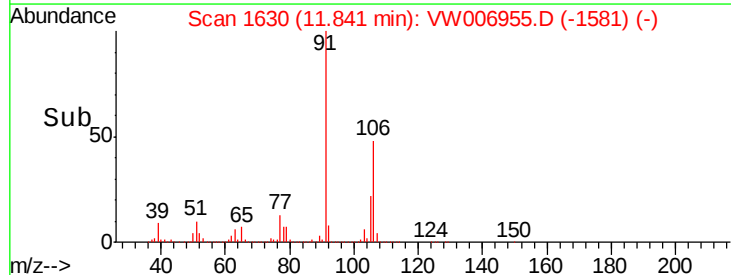
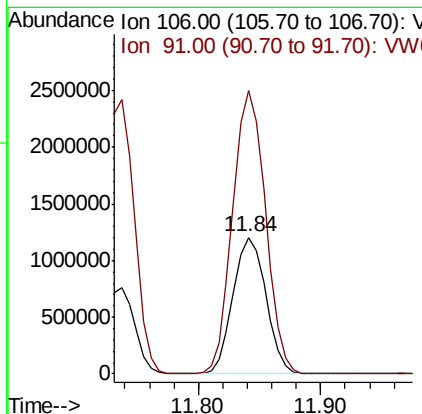
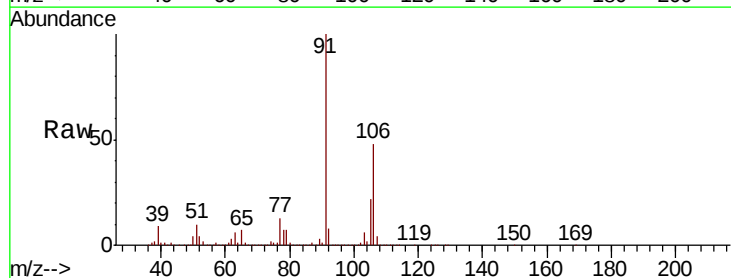
Manual Integrations
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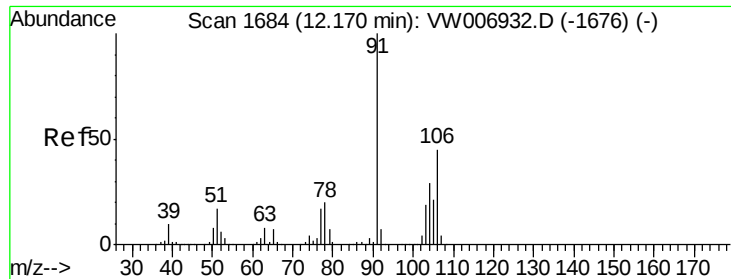
MMDadoda
11/30/2018 1:16:12 PM



#68
m/p-Xylenes
Concen: 1197.649 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006955.D
Acq: 19 Nov 2018 20:59

Tgt Ion: 106 Resp: 2250548
Ion Ratio Lower Upper
106 100
91 206.6 165.0 247.4





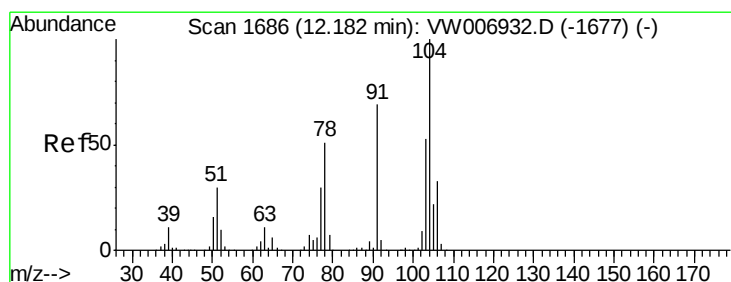
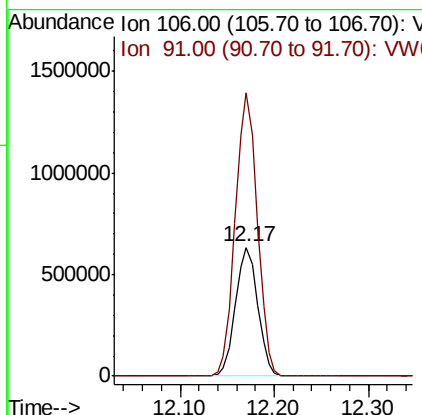
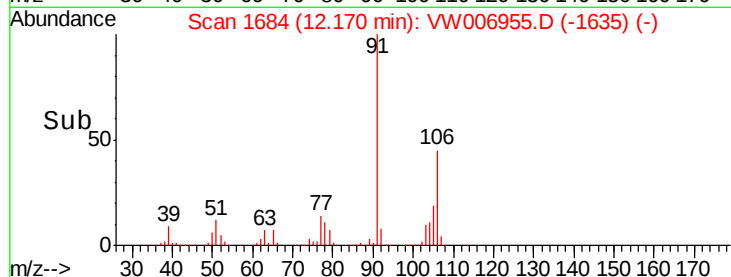
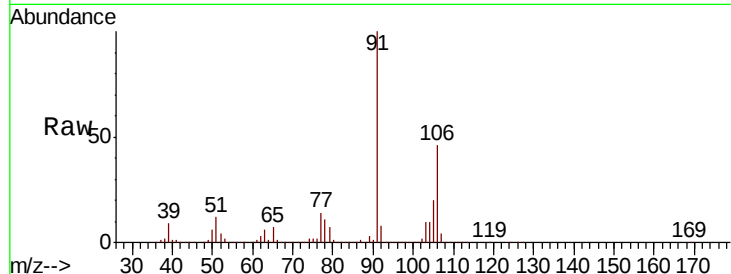
#69
o-Xylene
Concen: 581.595 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006955.D
Acq: 19 Nov 2018 20:59

Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)RE

Tot Ion:106 Resp: 1037276
Ion Ratio Lower Upper
106 100
91 218.7 109.2 327.6

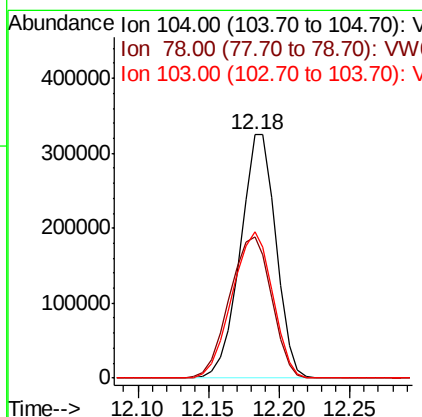
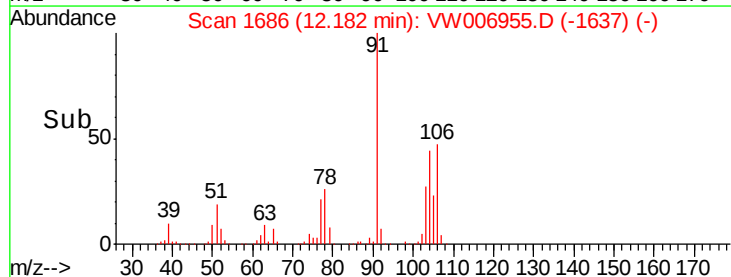
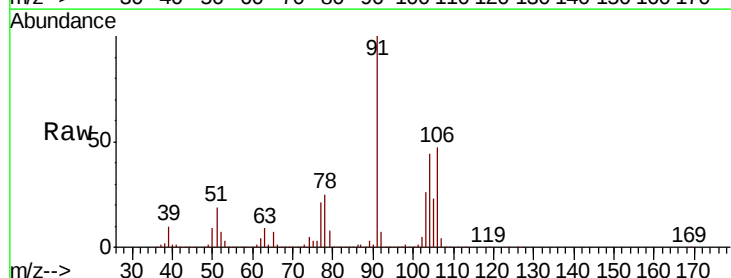
Manual Integrations
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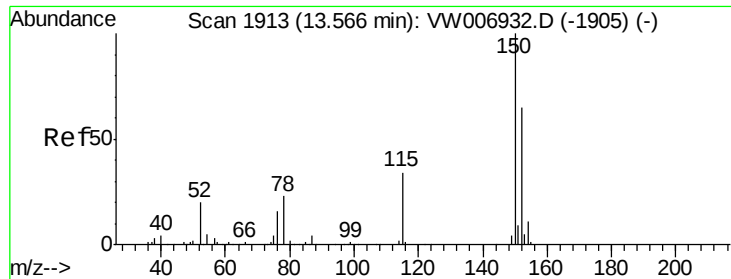
MMDadoda
11/30/2018 1:16:12 PM



#70
Styrene
Concen: 197.936 ug/l m
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006955.D
Acq: 19 Nov 2018 20:59

Tgt Ion:104 Resp: 567701
Ion Ratio Lower Upper
104 100
78 0.0 42.5 63.7#
103 0.0 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006955.D

Acq: 19 Nov 2018 20:59

Instrument :

MSVOA_W

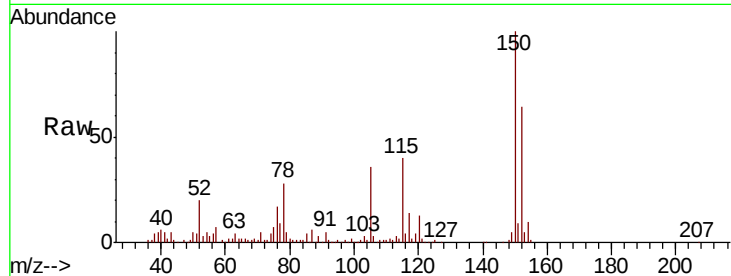
ClientSampleId :

DTW-02(11-13)RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	31.6	94.7#
150	157.8	0.0	350.0

Manual Integrations
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11/30/2018 1:16:12 PM

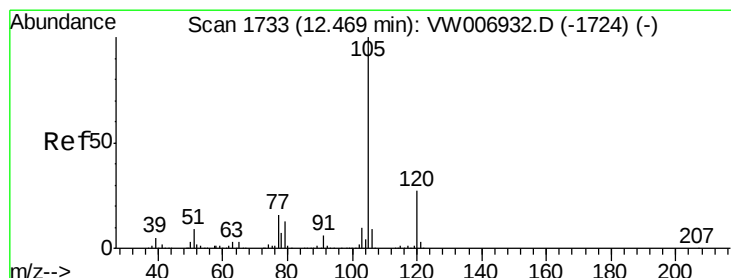
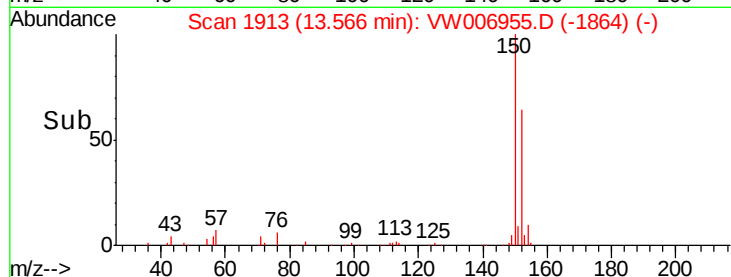
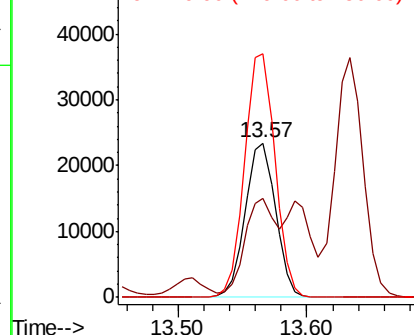


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 36.094 ug/l

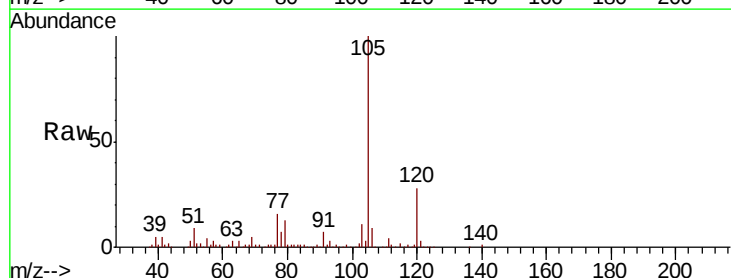
RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006955.D

Acq: 19 Nov 2018 20:59

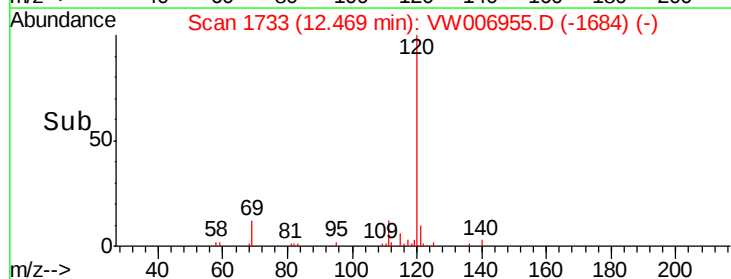
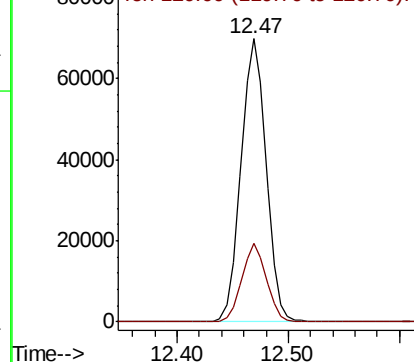
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.6

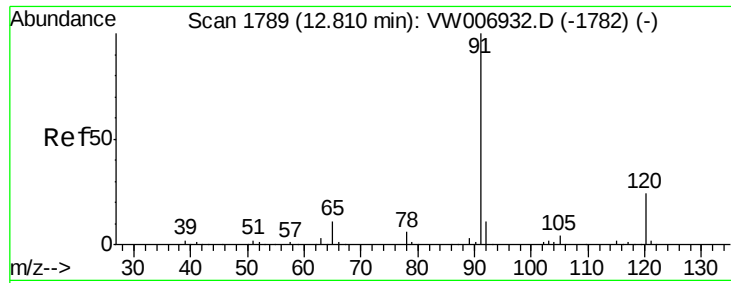


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 30.085 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006955.D

Acq: 19 Nov 2018 20:59

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)RE

Tot Ion: 91 Resp: 109315

Ion Ratio Lower Upper

91 100

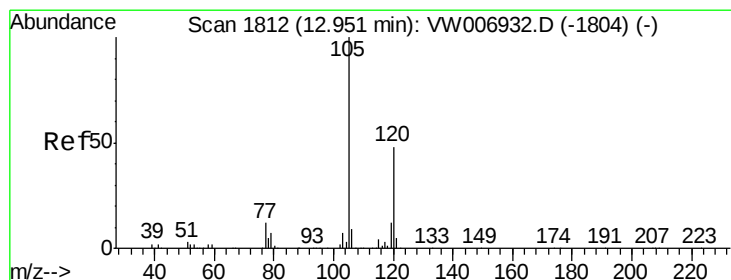
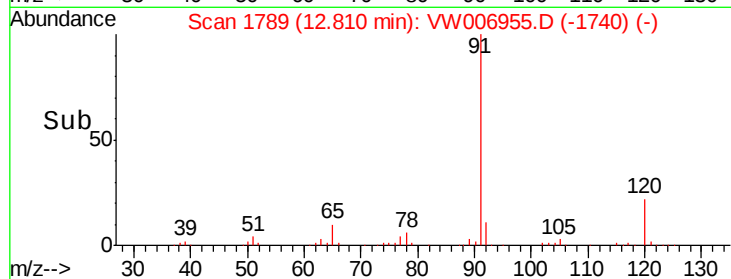
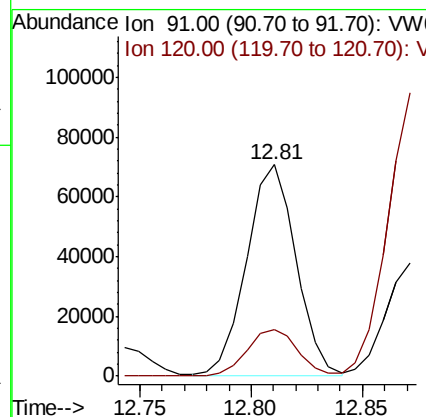
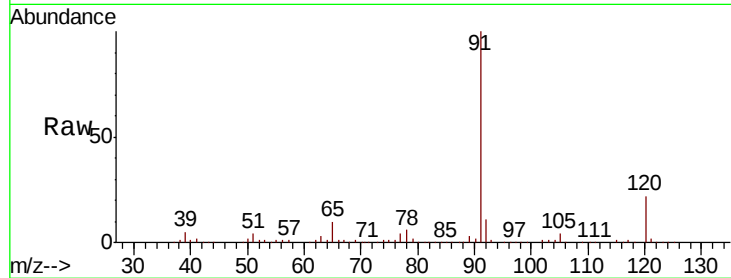
120 22.9 11.5 34.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 236.519 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006955.D

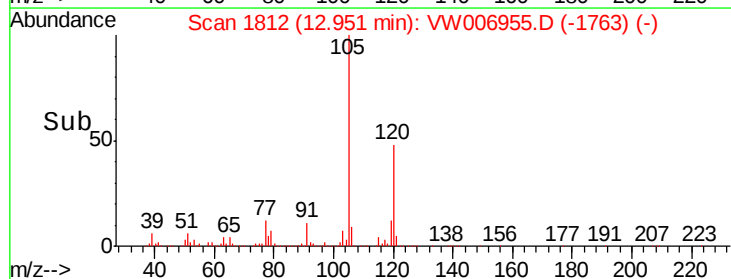
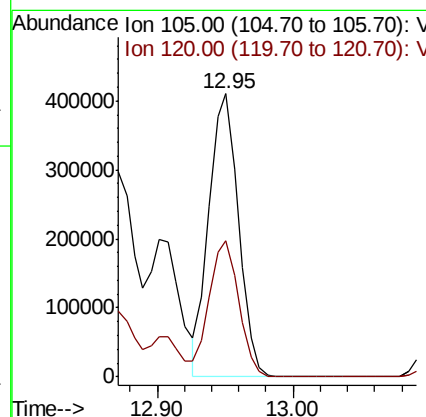
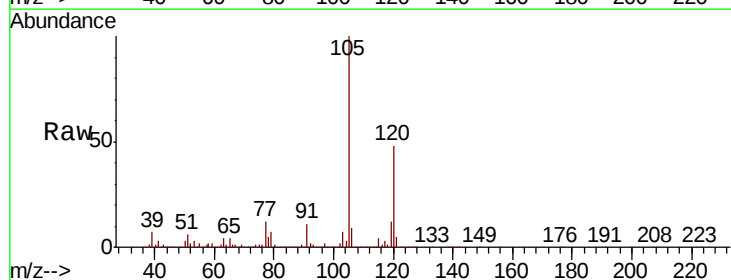
Acq: 19 Nov 2018 20:59

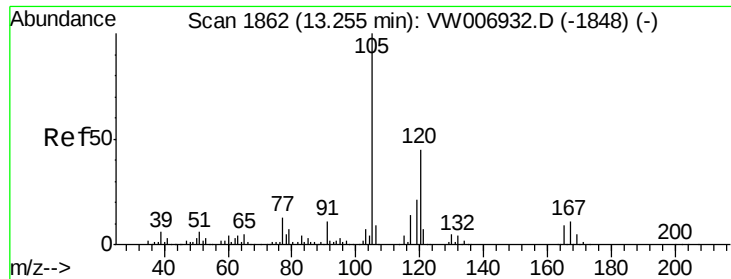
Tgt Ion:105 Resp: 615848

Ion Ratio Lower Upper

105 100

120 48.1 23.5 70.5





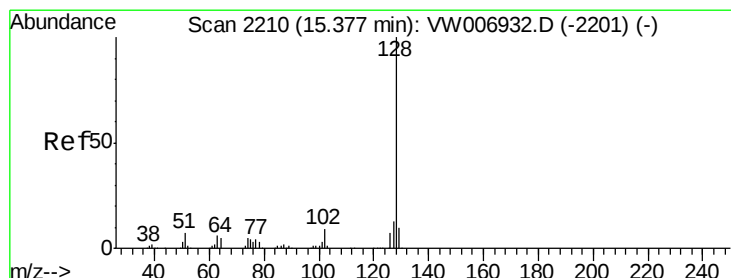
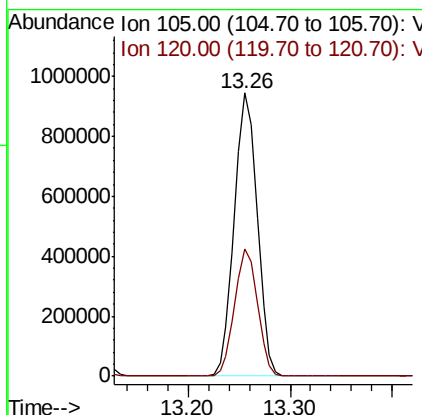
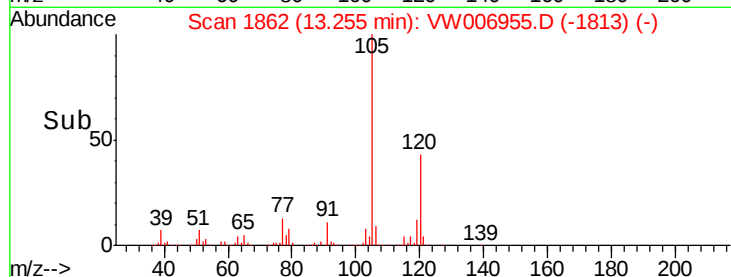
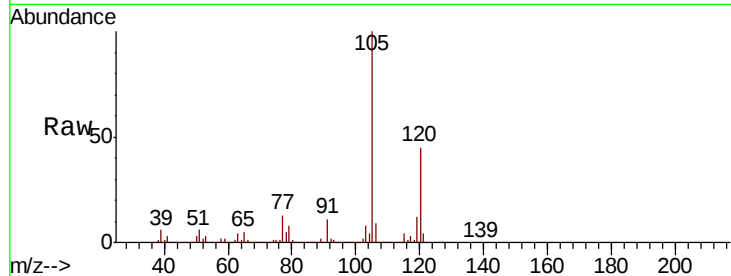
#84
 1,2,4-Trimethylbenzene
 Concen: 560.749 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006955.D
 Acq: 19 Nov 2018 20:59

Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)RE

Tot Ion:105 Resp: 1466804
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.9 65.8

Manual Integrations
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#95
 Naphthalene
 Concen: 19775.466 ug/l m
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW006955.D
 Acq: 19 Nov 2018 20:59

Tgt Ion:128 Resp:28094028
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.5 12.7#

