

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101718\
 Data File : VW006139.D
 Acq On : 17 Oct 2018 20:45
 Operator : VA/AP
 Sample : J5515-18
 Misc : 5.96G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

Manual Integrations
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Quant Time: Oct 19 11:11:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	18919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	36427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	36670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	18505	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	16527	105.37	ug/l	0.00
Spiked Amount			Recovery	=	210.74%	
35) Dibromofluoromethane	7.89	113	13000	60.40	ug/l	0.00
Spiked Amount			Recovery	=	120.80%	
50) Toluene-d8	10.33	98	35532	43.39	ug/l	0.00
Spiked Amount			Recovery	=	86.78%	
62) 4-Bromofluorobenzene	12.62	95	16720	54.36	ug/l	0.00
Spiked Amount			Recovery	=	108.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	3181	99.171	ug/l	99
20) Methylene Chloride	4.93	84	3780	21.860	ug/l	94
31) Cyclohexane	7.96	56	7755	27.020	ug/l	94
39) Methylcyclohexane	9.34	83	20259	45.392	ug/l	97
40) Benzene	8.33	78	4068	4.417	ug/l	100
52) Toluene	10.39	92	1499	2.428	ug/l	99
67) Ethyl Benzene	11.73	91	4505	3.311	ug/l #	88
68) m/p-Xylenes	11.85	106	3871	7.199	ug/l	99
69) o-Xylene	12.17	106	1766	3.446	ug/l	100
73) Isopropylbenzene	12.47	105	29854	22.836	ug/l	98
78) n-propylbenzene	12.81	91	72313	47.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	5489	4.922	ug/l	96
85) sec-Butylbenzene	13.39	105	13519	9.705	ug/l #	67
89) n-Butylbenzene	13.83	91	11846m	10.280	ug/l	

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

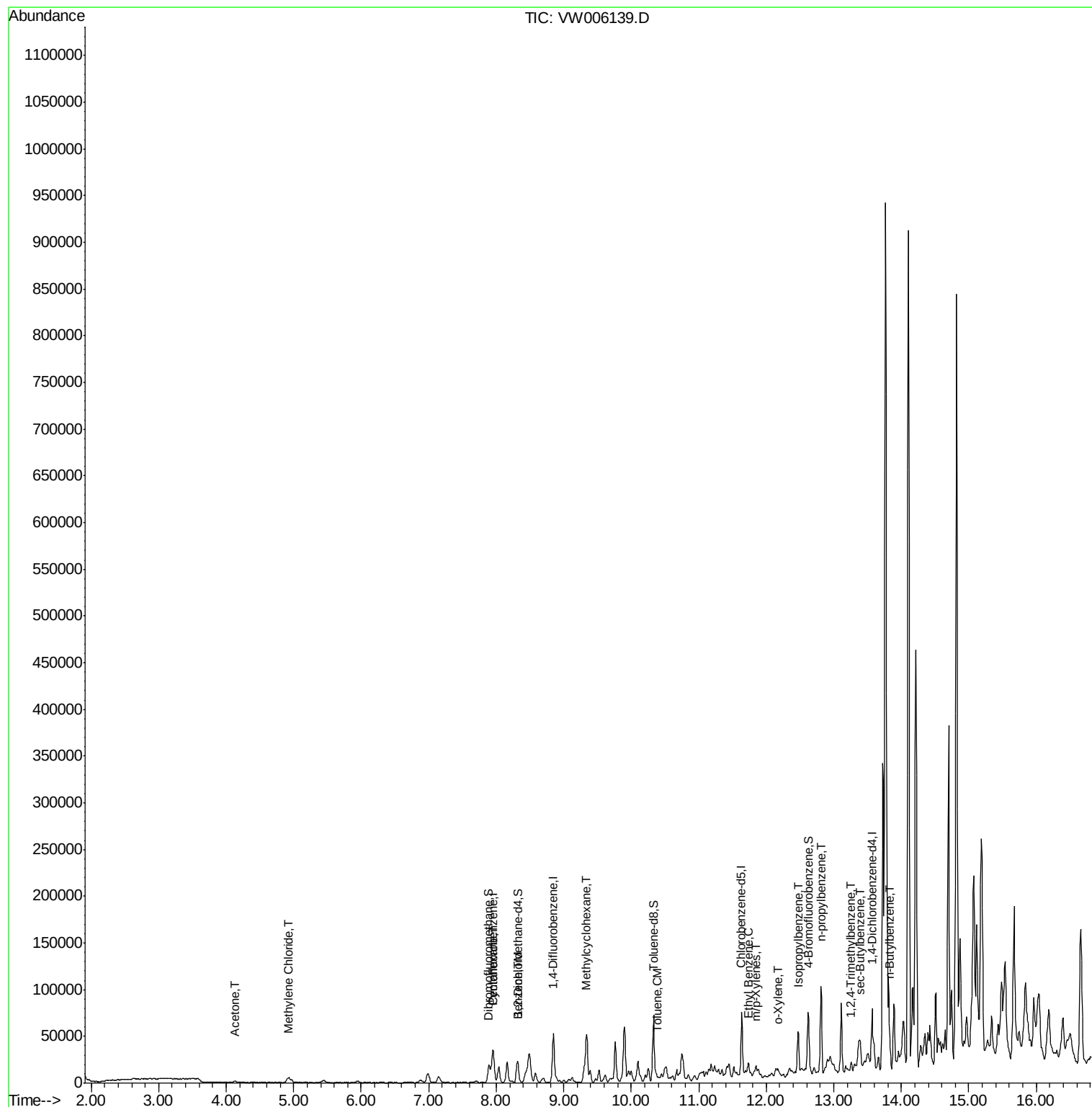
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101718\
Data File : VW006139.D
Acq On : 17 Oct 2018 20:45
Operator : VA/AP
Sample : J5515-18
Misc : 5.96G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

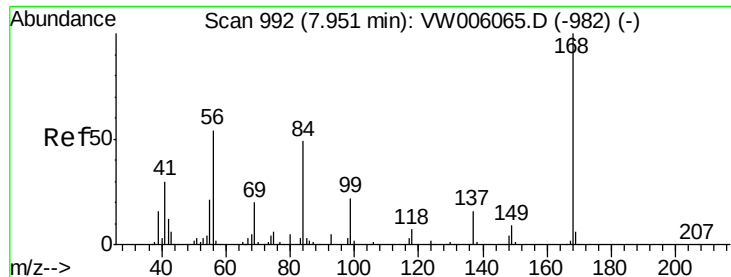
Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

Quant Time: Oct 19 11:11:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

Tot Ion:168 Resp: 18919

Ion Ratio Lower Upper

168 100

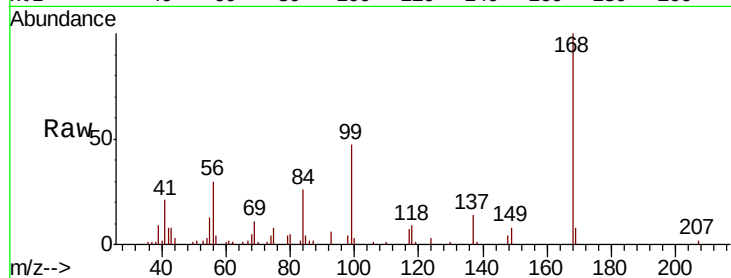
99 47.2 39.9 59.9

Manual Integrations

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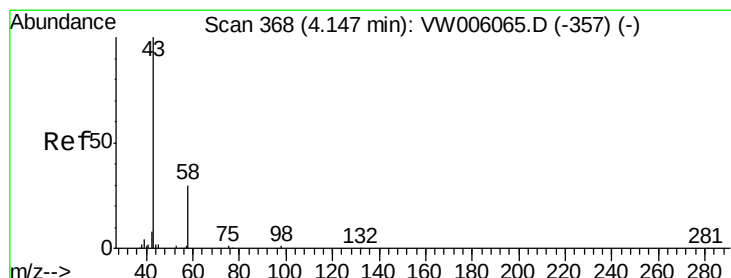
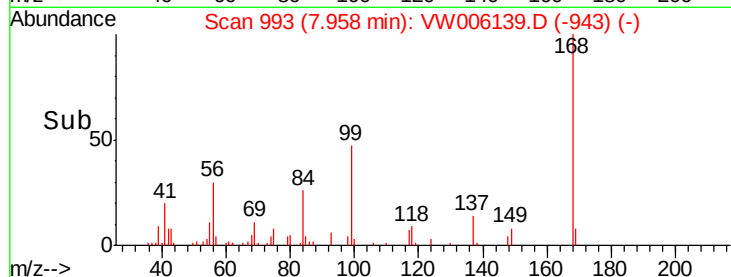
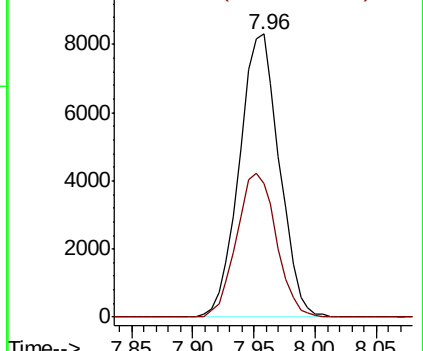
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 99.171 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006139.D

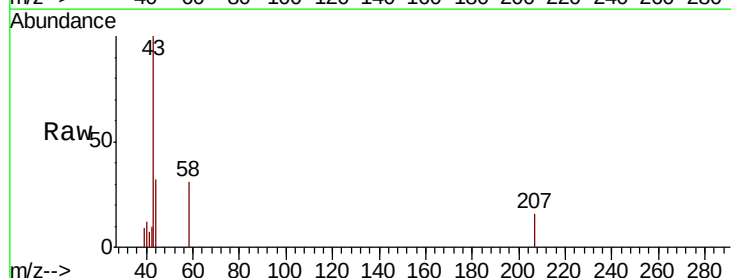
Acq: 17 Oct 2018 20:45

Tgt Ion: 43 Resp: 3181

Ion Ratio Lower Upper

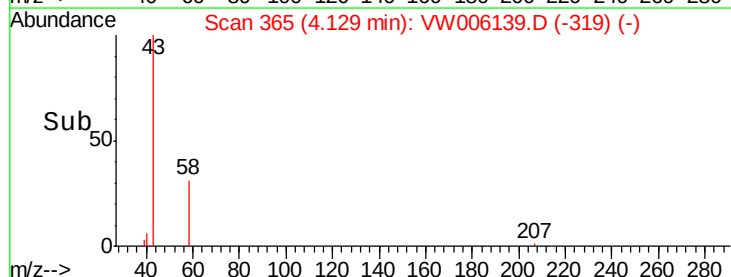
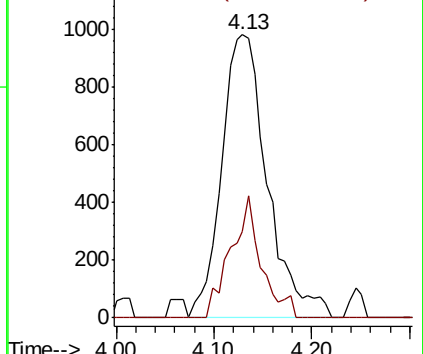
43 100

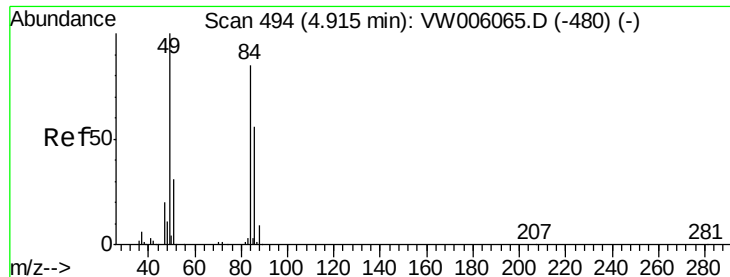
58 30.7 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





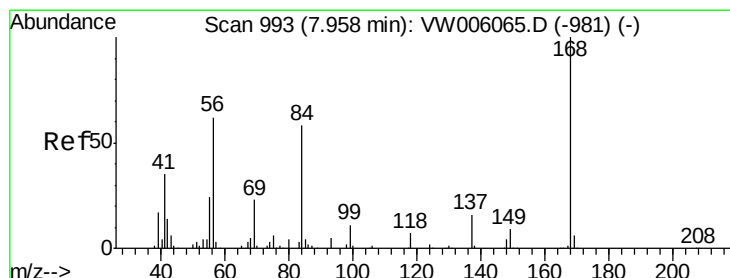
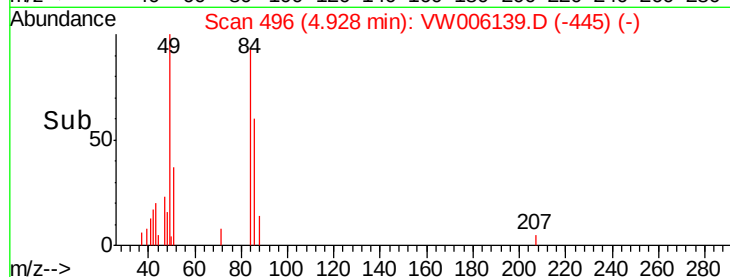
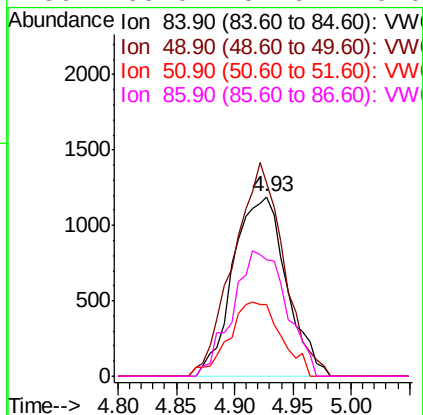
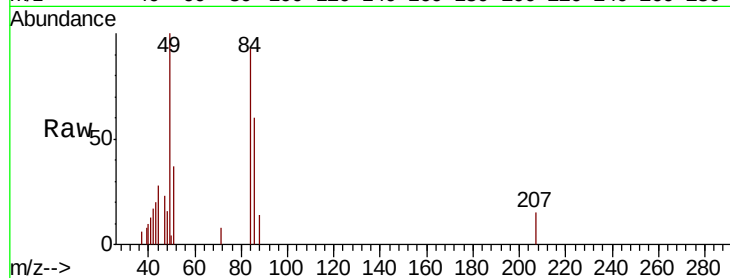
#20
Methylene Chloride
Concen: 21.860 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Instrument :
MSVOA_W
ClientSampled :
AOC1-01A

Tot Ion:	84	Resp:	3780
Ion	Ratio	Lower	Upper
84	100		
49	107.7	93.6	140.4
51	39.9	29.0	43.4
86	65.0	52.6	79.0

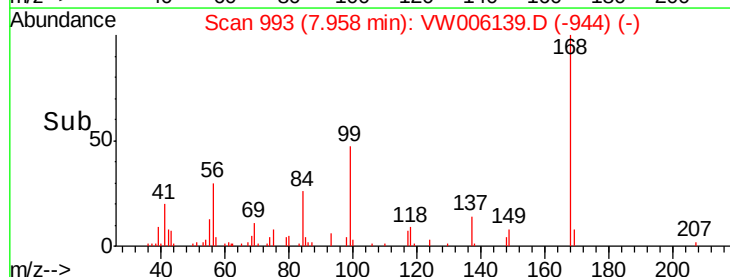
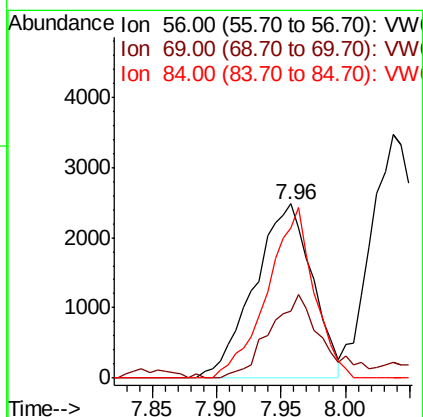
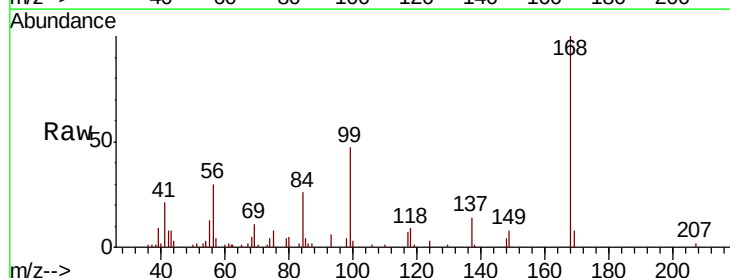
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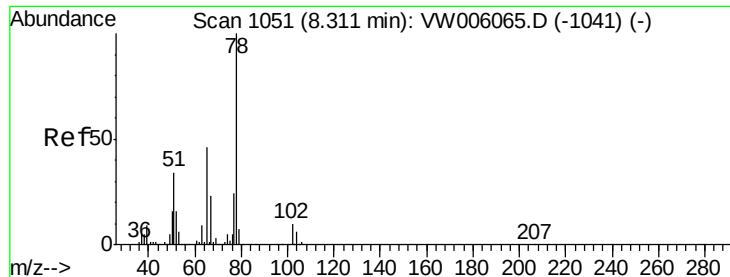
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#31
Cyclohexane
Concen: 27.020 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion:	56	Resp:	7755
Ion	Ratio	Lower	Upper
56	100		
69	38.2	29.4	44.0
84	86.0	74.0	111.0





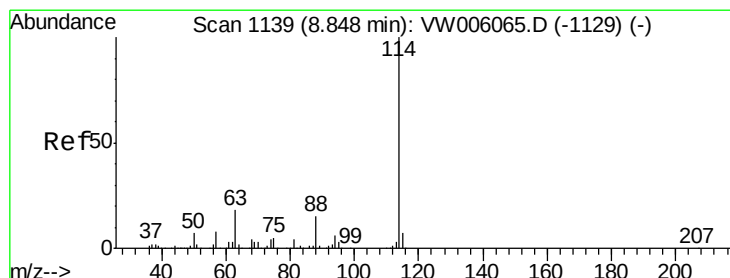
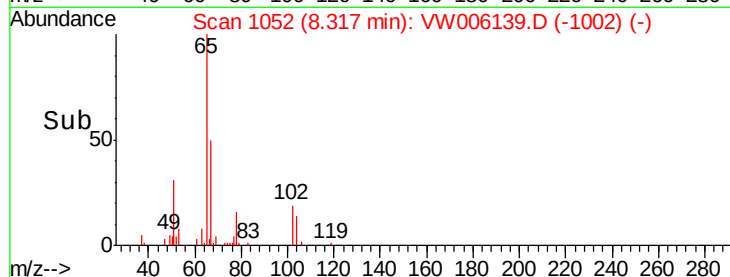
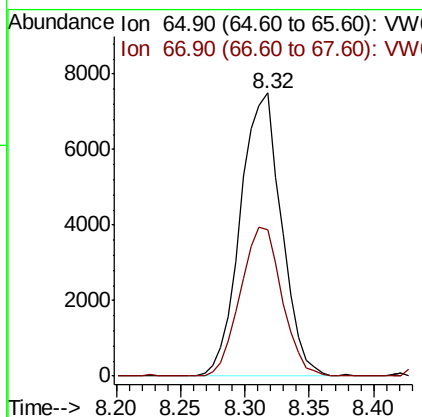
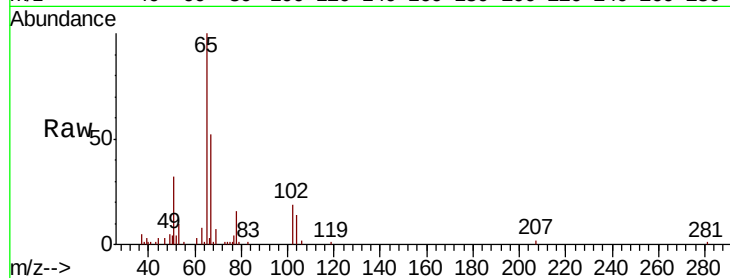
#33
 1,2-Dichloroethane-d4
 Concen: 105.369 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-01A

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	101.0

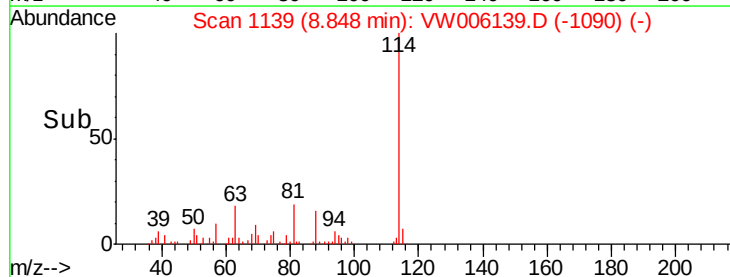
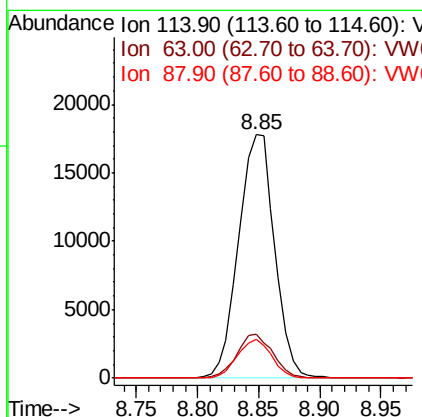
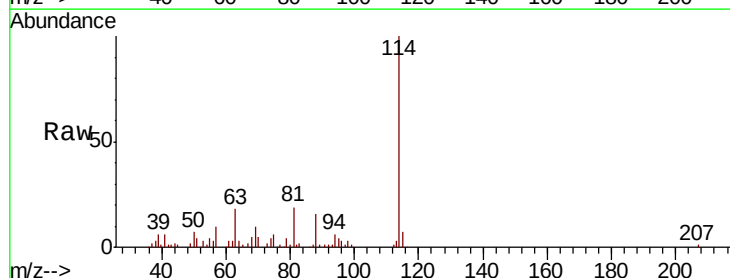
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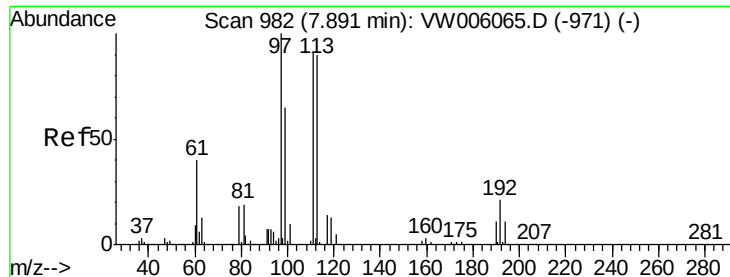
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006139.D
 Acq: 17 Oct 2018 20:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	36.8
88	15.9	0.0	29.0





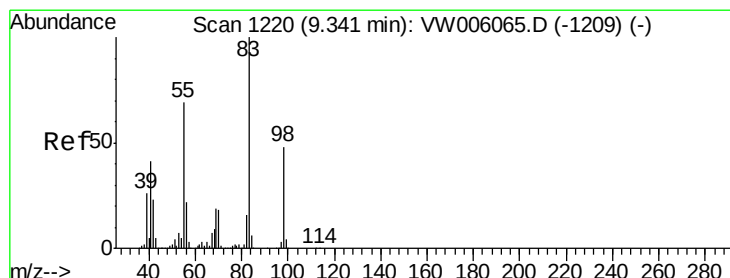
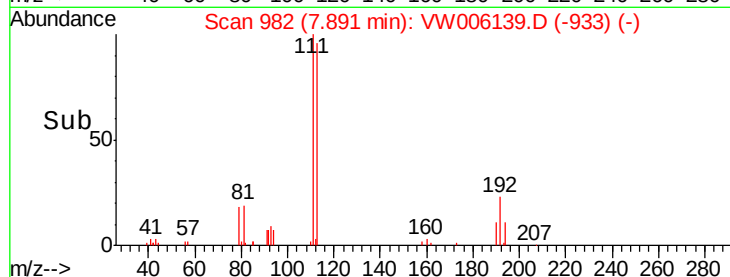
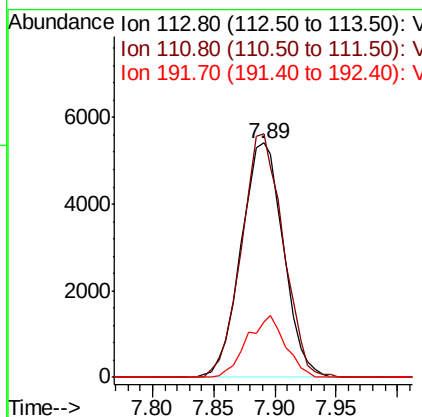
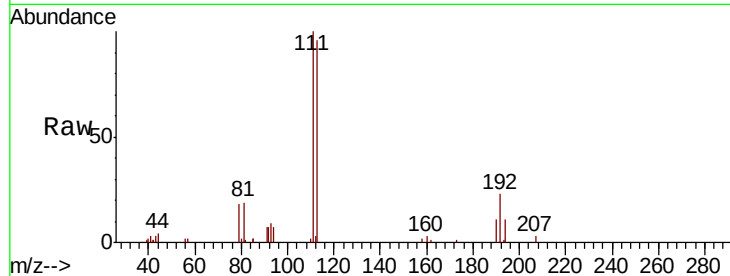
#35
Dibromofluoromethane
Concen: 60.396 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	23.9	18.7	28.1

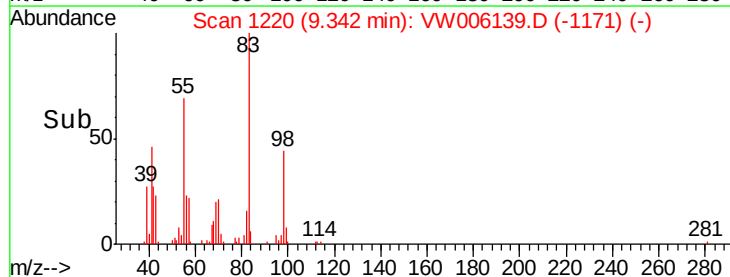
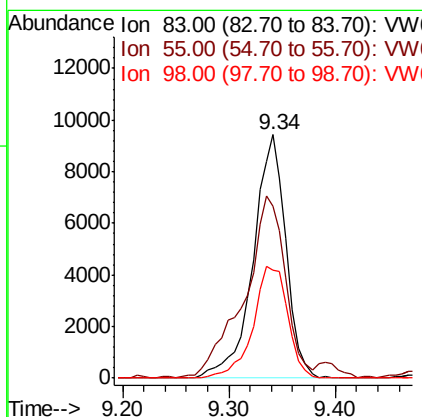
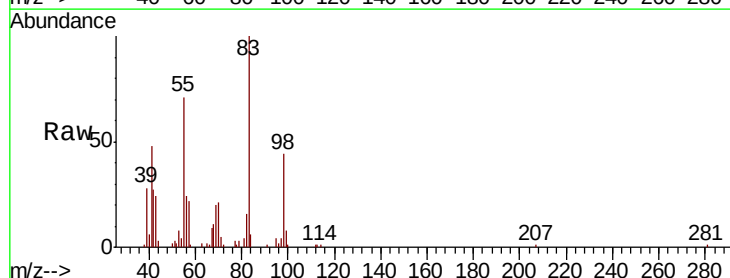
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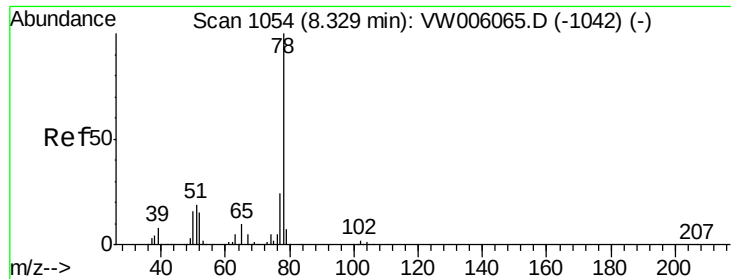
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#39
Methylcyclohexane
Concen: 45.392 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.4	55.0	82.6
98	44.3	38.6	57.8





#40

Benzene

Concen: 4.417 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

Tot Ion: 78 Resp: 4068

Ion Ratio Lower Upper

78 100

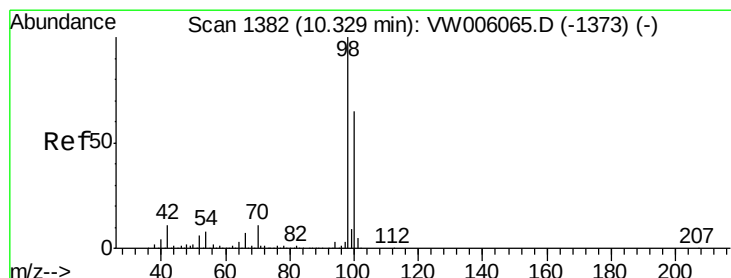
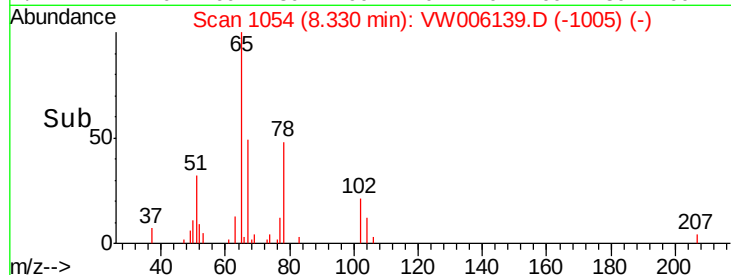
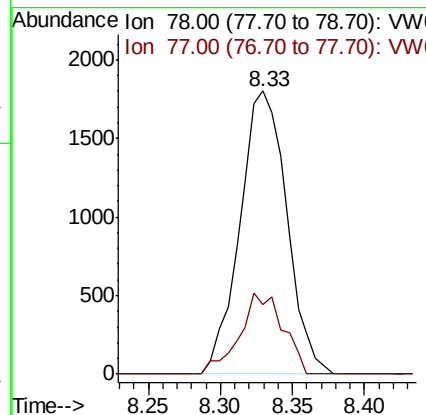
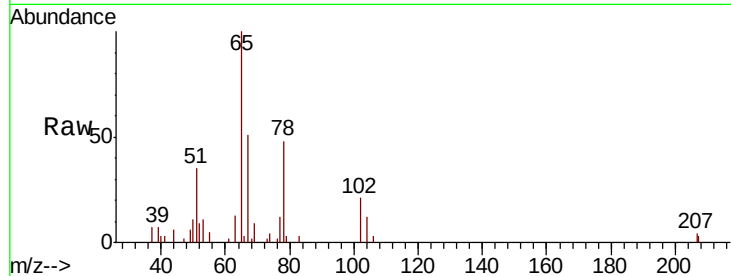
77 24.4 19.4 29.0

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#50

Toluene-d8

Concen: 43.390 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006139.D

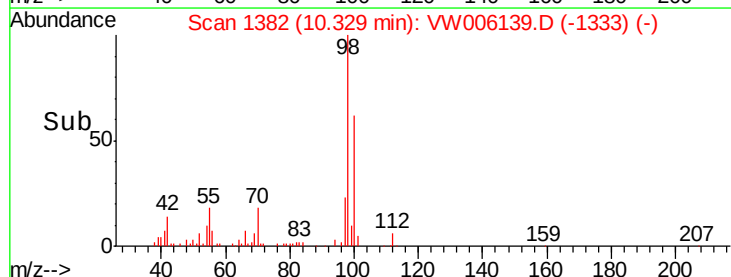
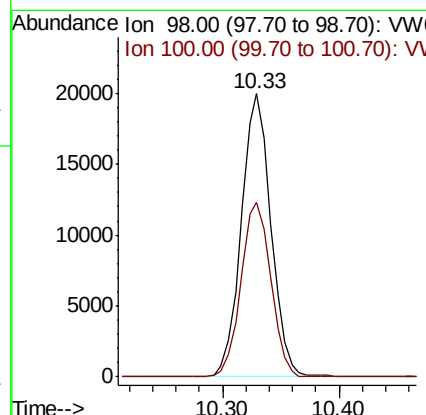
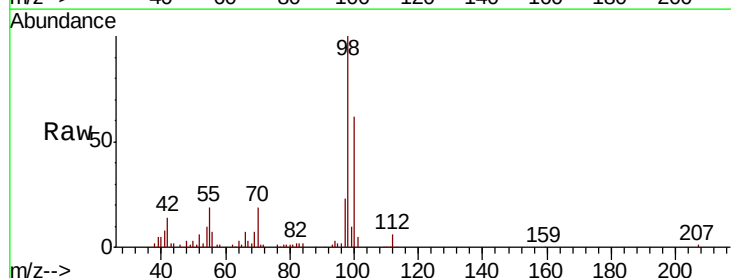
Acq: 17 Oct 2018 20:45

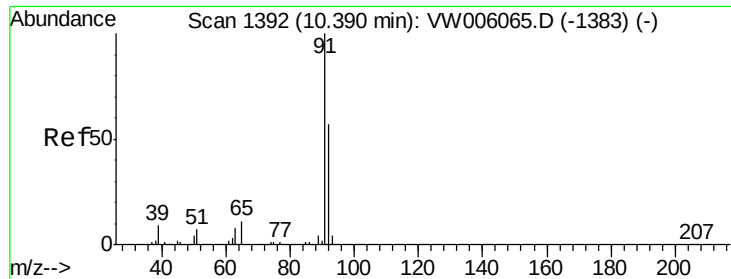
Tgt Ion: 98 Resp: 35532

Ion Ratio Lower Upper

98 100

100 62.0 51.6 77.4





#52

Toluene

Concen: 2.428 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-01A

Tot Ion: 92 Resp: 1499

Ion Ratio Lower Upper

92 100

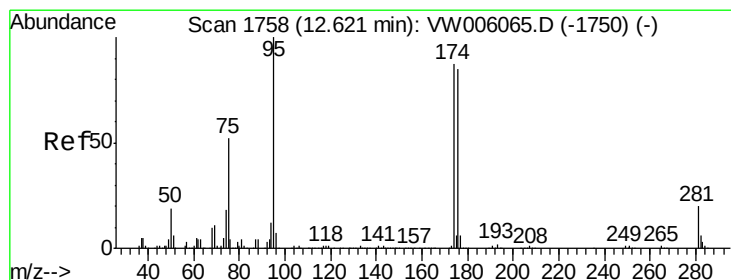
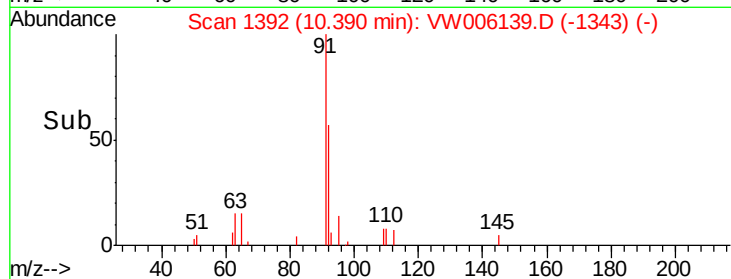
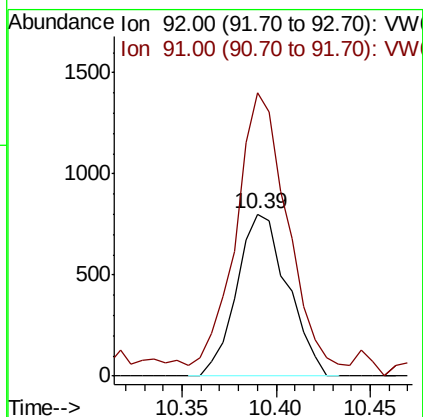
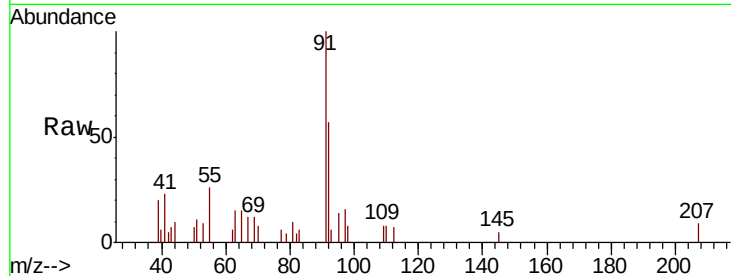
91 176.4 140.0 210.0

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#62

4-Bromofluorobenzene

Concen: 54.362 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

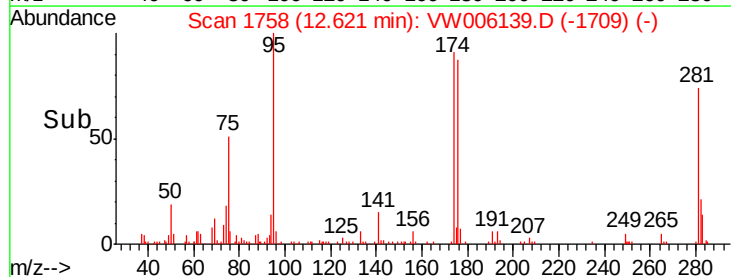
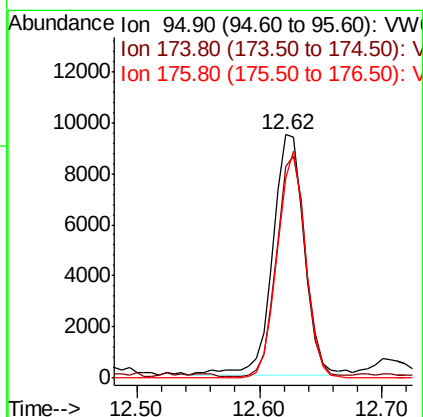
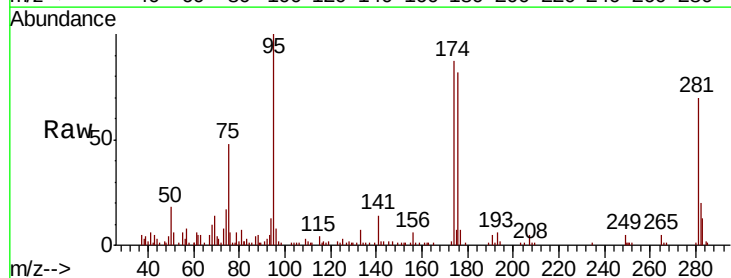
Tgt Ion: 95 Resp: 16720

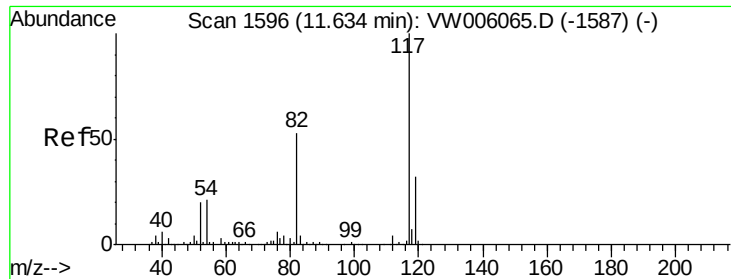
Ion Ratio Lower Upper

95 100

174 85.1 0.0 186.0

176 84.5 0.0 181.6





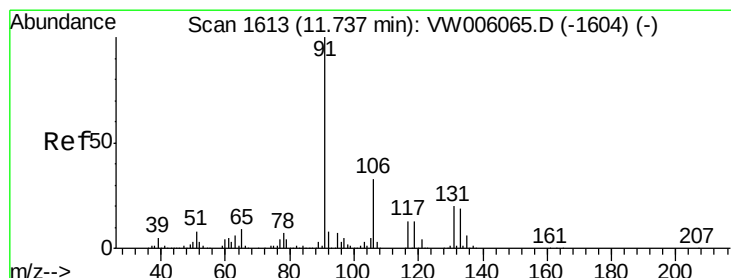
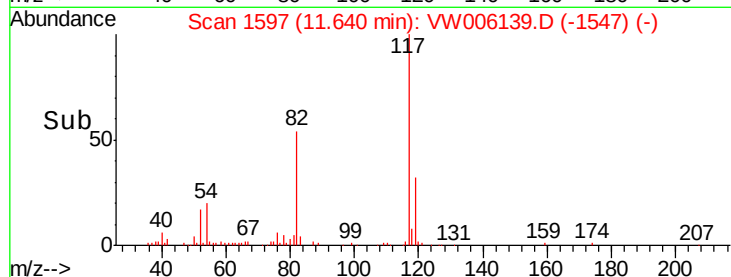
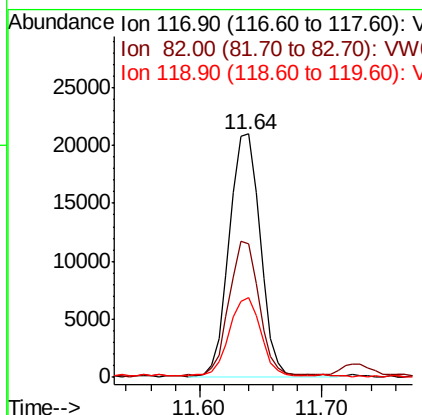
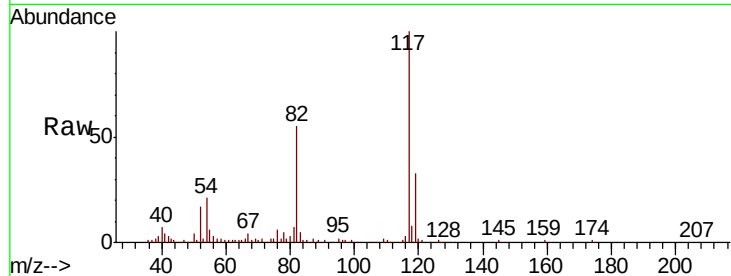
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.1	63.1
119	32.3	25.8	38.6

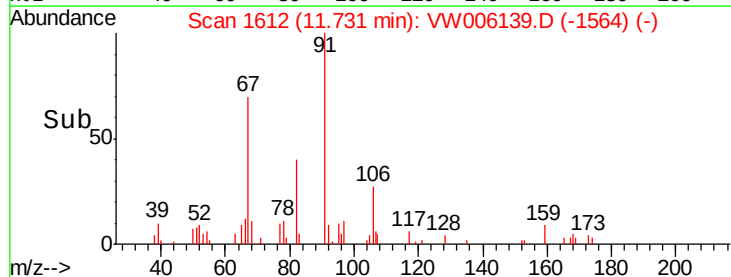
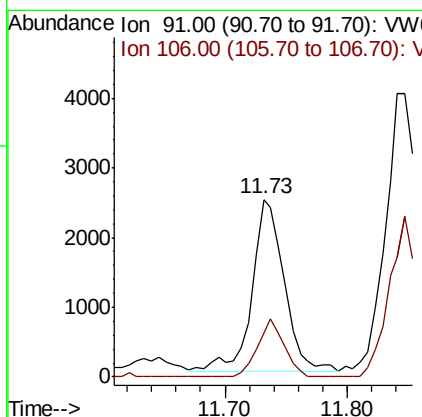
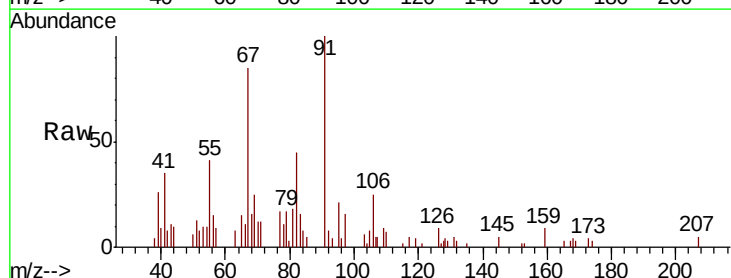
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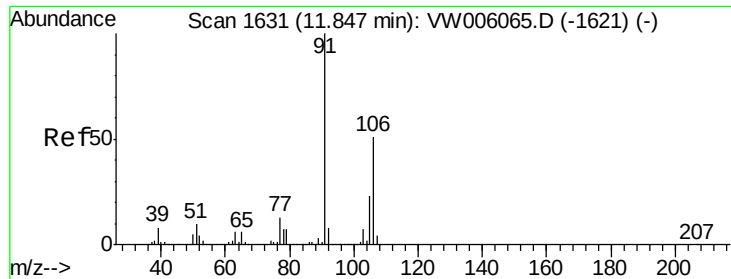
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#67
Ethyl Benzene
Concen: 3.311 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.8	26.1	39.1





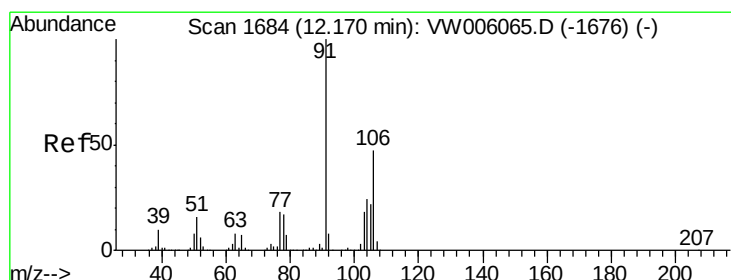
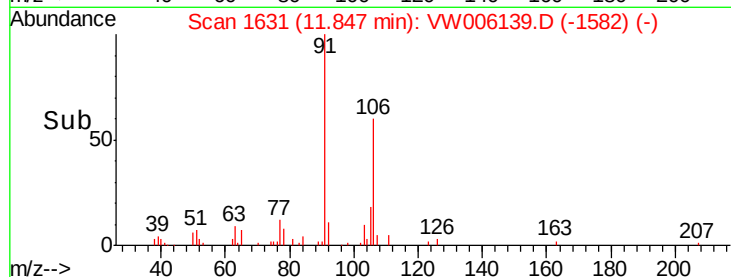
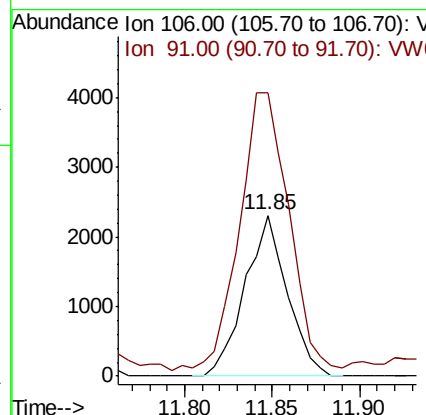
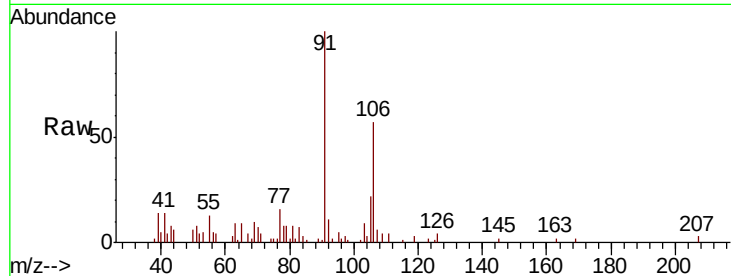
#68
m/p-Xylenes
Concen: 7.199 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		3871		
91	201.0	159.1	238.7		

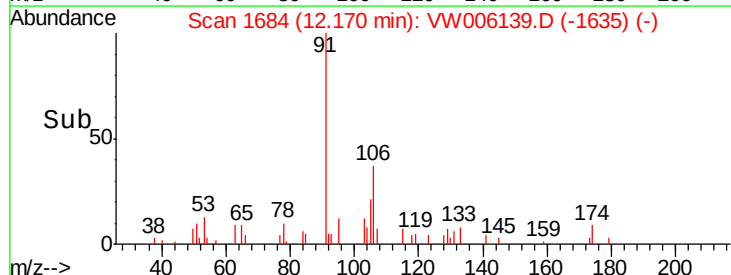
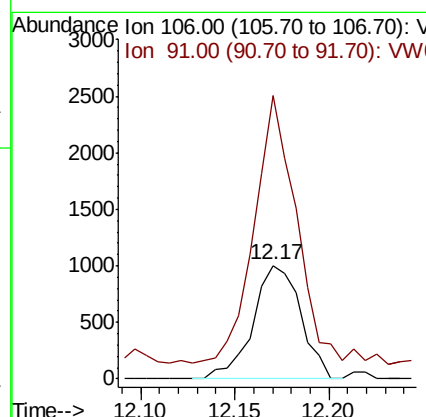
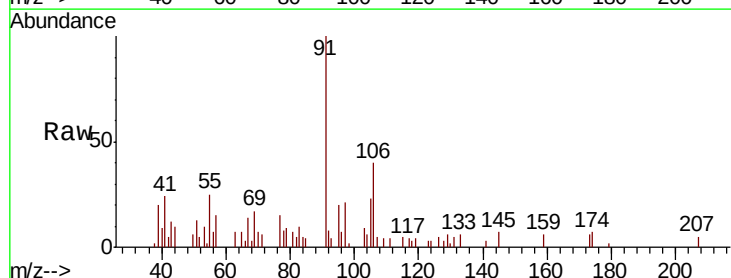
Manual Integrations
APPROVED

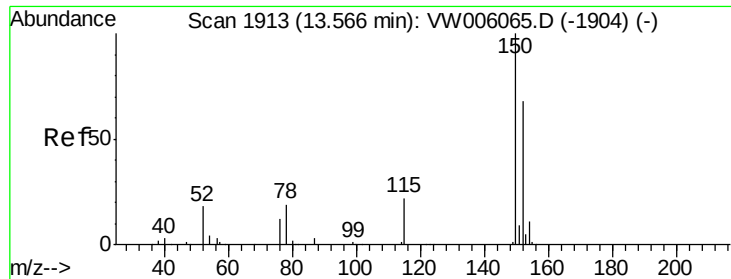
apatel
10/19/2018 12:33:42 PM



#69
o-Xylene
Concen: 3.446 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		1766		
91	211.3	105.4	316.1		





#72

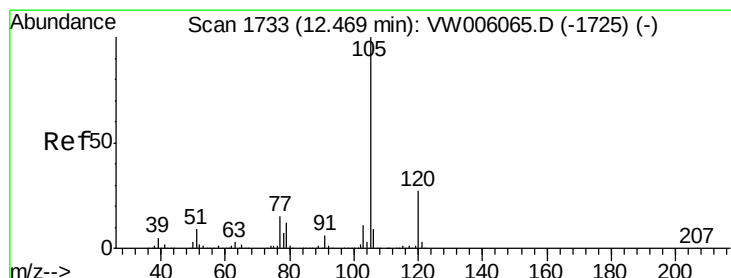
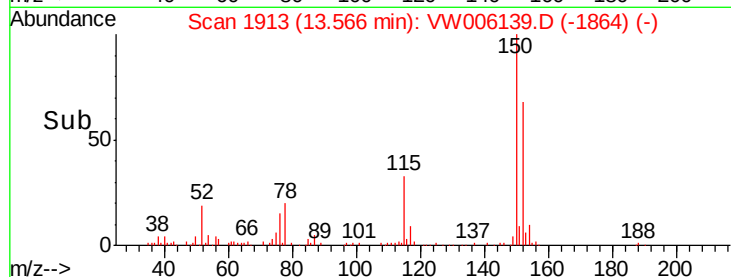
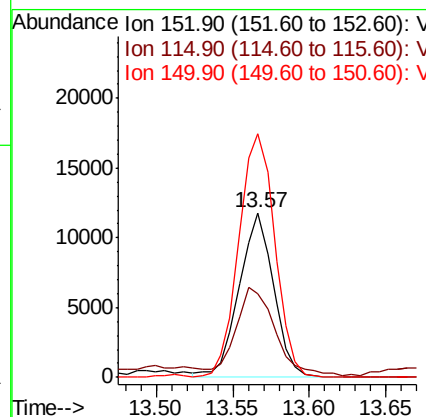
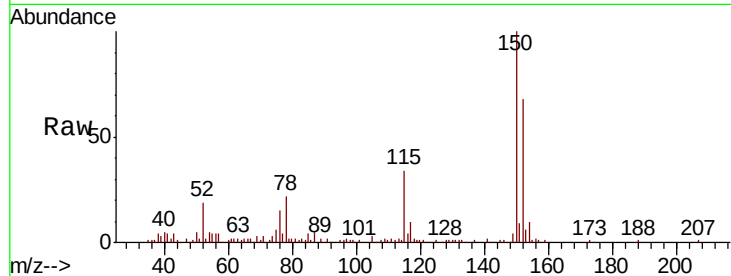
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
AOC1-01A

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.5	27.8	83.3
150	154.6	0.0	349.2

Manual Integrations
APPROVED

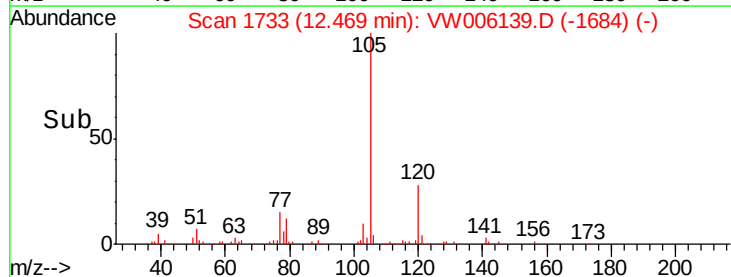
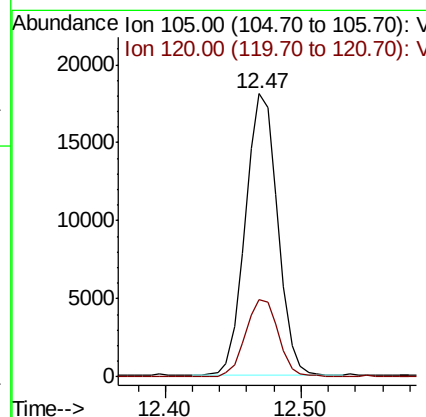
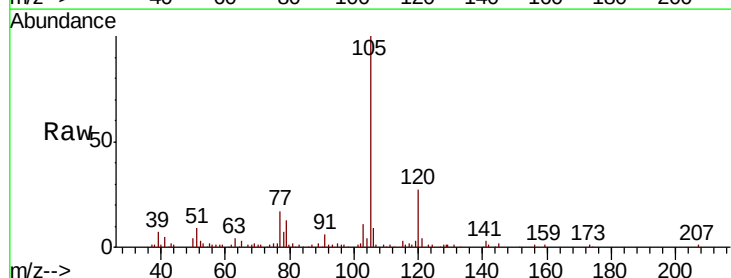
apatel
10/19/2018 12:33:42 PM

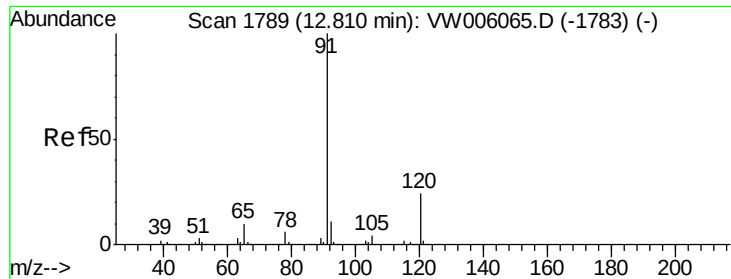


#73

Isopropylbenzene
Concen: 22.836 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006139.D
Acq: 17 Oct 2018 20:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.6	40.7





#78

n-propylbenzene

Concen: 47.544 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampled :

AOC1-01A

Tot Ion: 91 Resp: 72313

Ion Ratio Lower Upper

91 100

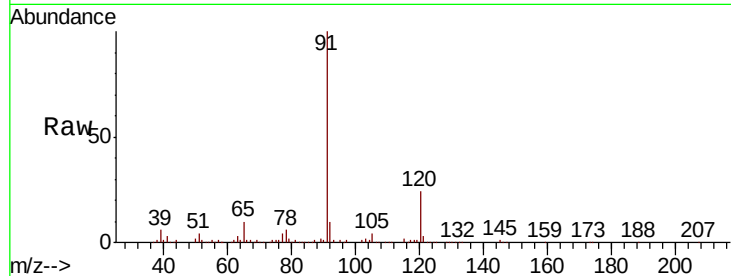
120 23.2 12.2 36.6

Manual Integrations

APPROVED

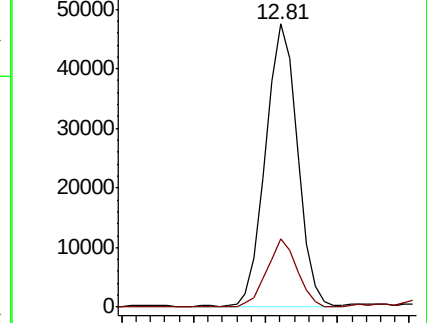
apatel

10/19/2018 12:33:42 PM

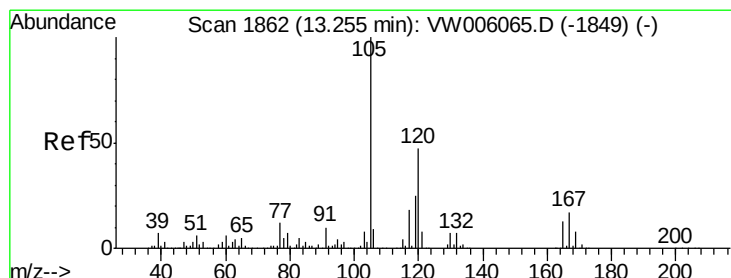
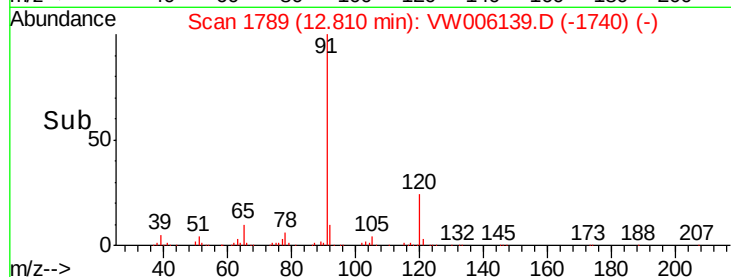


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



Time--> 12.70 12.75 12.80 12.85



#84

1,2,4-Trimethylbenzene

Concen: 4.922 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006139.D

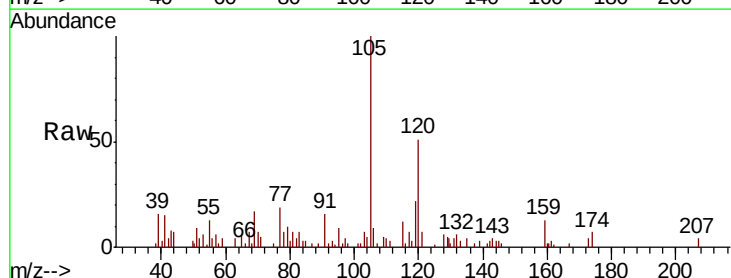
Acq: 17 Oct 2018 20:45

Tgt Ion: 105 Resp: 5489

Ion Ratio Lower Upper

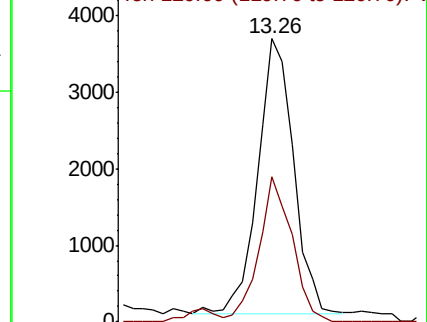
105 100

120 48.6 23.1 69.3

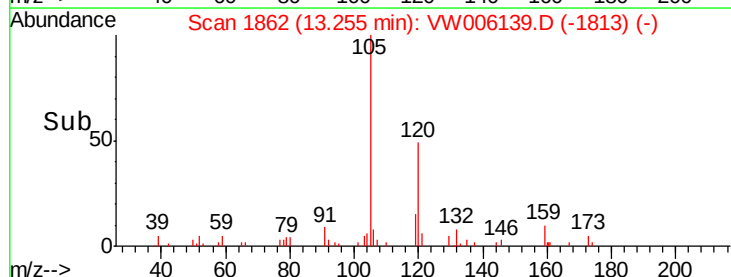


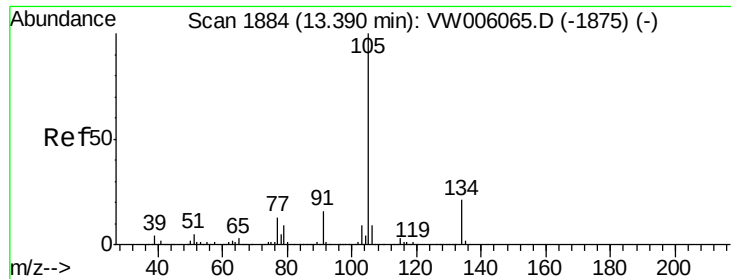
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 13.20 13.25 13.30





#85

sec-Butylbenzene

Concen: 9.705 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

Instrument :

MSVOA_W

ClientSampled :

AOC1-01A

Tot Ion:105 Resp: 13519

Ion Ratio Lower Upper

105 100

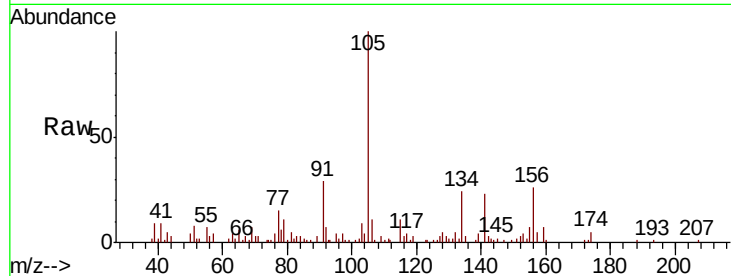
134 36.7 10.5 31.6#

Manual Integrations

APPROVED

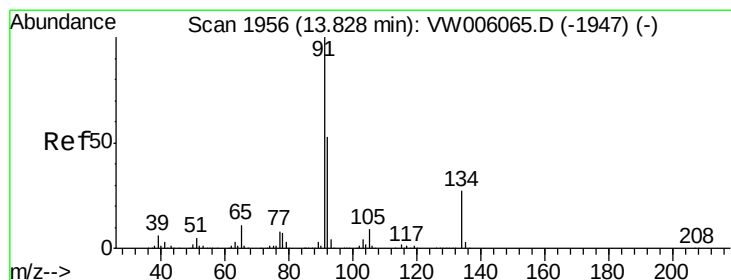
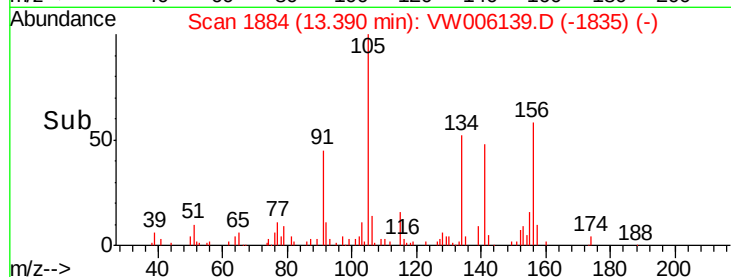
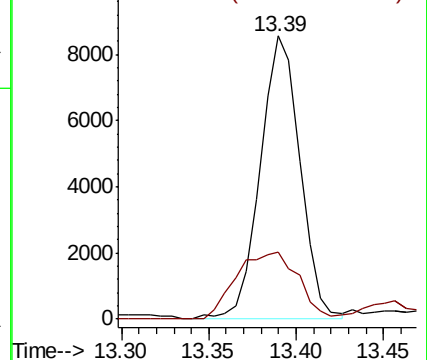
apatel

10/19/2018 12:33:42 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 10.280 ug/l m

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006139.D

Acq: 17 Oct 2018 20:45

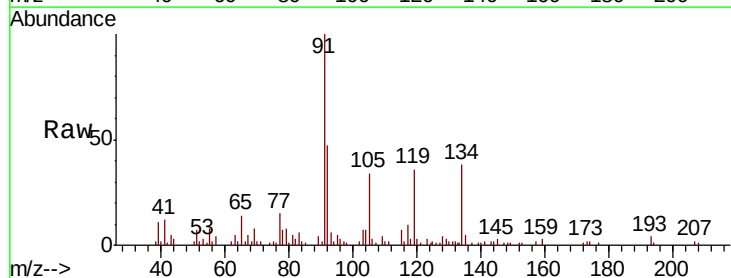
Tgt Ion: 91 Resp: 11846

Ion Ratio Lower Upper

91 100

92 56.4 26.6 79.7

134 0.0 14.0 41.9#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

