

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
 Data File : VW006839.D
 Acq On : 13 Nov 2018 07:00
 Operator : SY/AP
 Sample : J5860-14
 Misc : 4.69G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-105(0-4)

Manual Integrations
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 11/13/2018 3:55:30 PM

Quant Time: Nov 13 16:58:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	198018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	299598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66950	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	88129	60.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.76%	
35) Dibromofluoromethane	7.88	113	83861	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
50) Toluene-d8	10.33	98	273117	36.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.88%	
62) 4-Bromofluorobenzene	12.62	95	111396	40.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.80%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.69	74	2665	3.478	ug/l	73
16) Acetone	4.14	43	106031	510.031	ug/l	99
17) Carbon Disulfide	4.38	76	19315	4.083	ug/l	99
25) 2-Butanone	7.18	43	49720	141.419	ug/l #	87
31) Cyclohexane	7.93	56	658293	237.338	ug/l #	50
39) Methylcyclohexane	9.34	83	1254393	344.856	ug/l	90
40) Benzene	8.33	78	438361	56.228	ug/l	100
52) Toluene	10.39	92	145727	26.367	ug/l	100
67) Ethyl Benzene	11.74	91	6725427	1243.562	ug/l	98
68) m/p-Xylenes	11.85	106	1315026	594.289	ug/l	99
69) o-Xylene	12.17	106	411728	199.927	ug/l	98
73) Isopropylbenzene	12.47	105	1039151	223.606	ug/l	99
78) n-propylbenzene	12.81	91	3527678	643.168	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	661880	165.675	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	9447427	2323.715	ug/l	98
85) sec-Butylbenzene	13.39	105	628275	125.552	ug/l #	60
86) p-Isopropyltoluene	13.51	119	506786	111.340	ug/l	98
89) n-Butylbenzene	13.83	91	879819m	211.508	ug/l	
95) Naphthalene	15.38	128	1561213	664.866	ug/l #	96

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

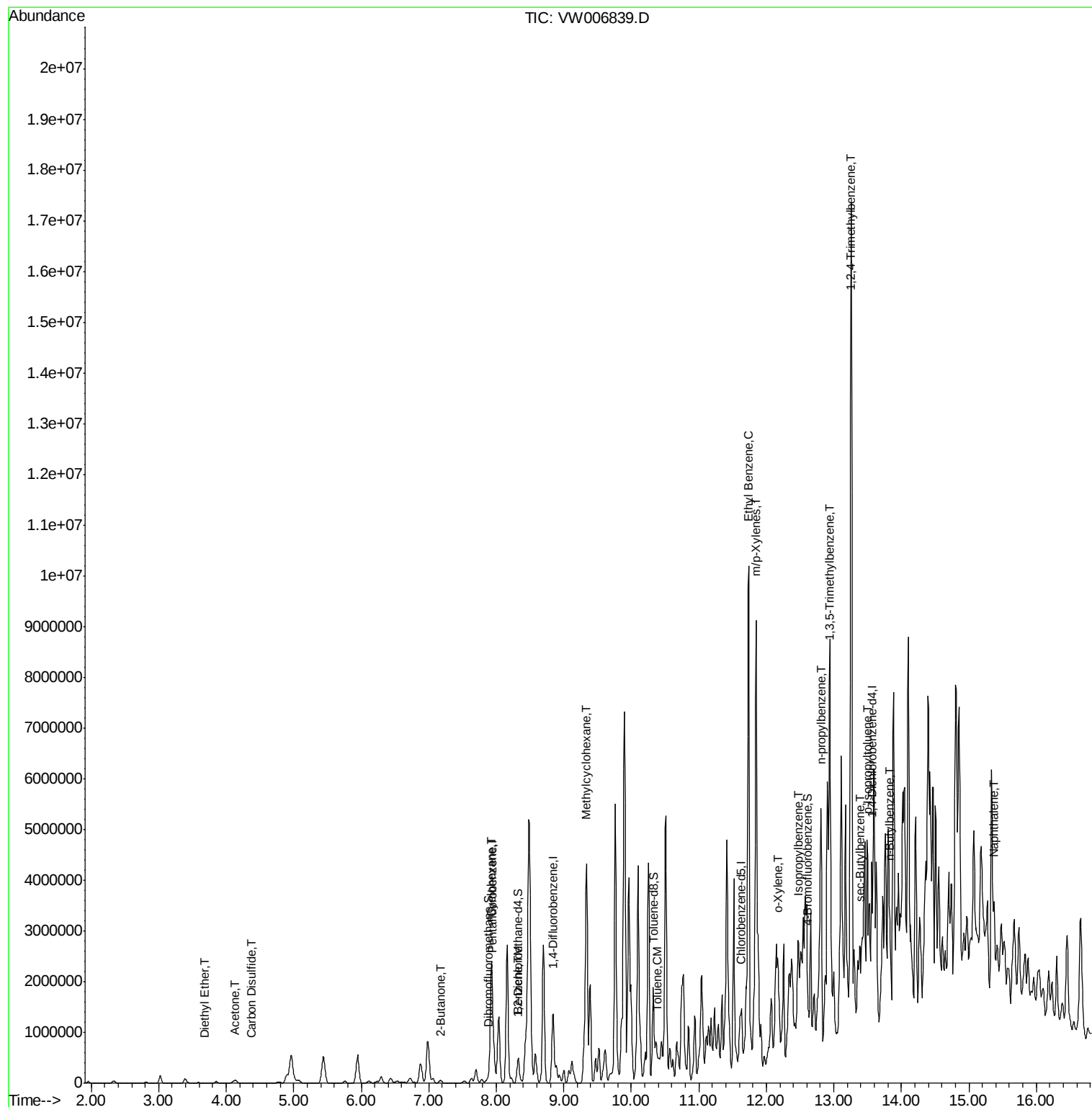
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
Data File : VW006839.D
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Operator : SY/AP
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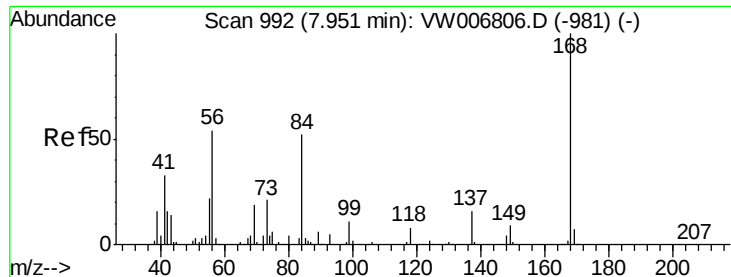
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

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Quant Time: Nov 13 16:58:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

Tgt Ion: 168 Resp: 198018

Ion Ratio Lower Upper

168 100

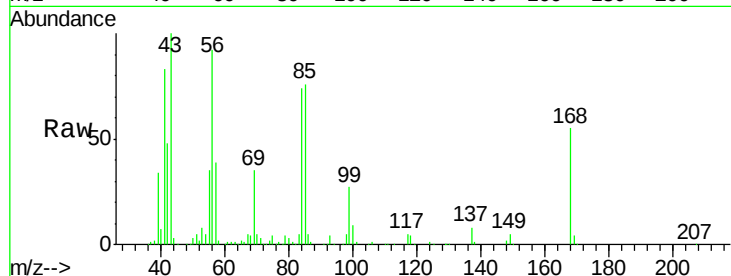
99 48.3 37.3 55.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

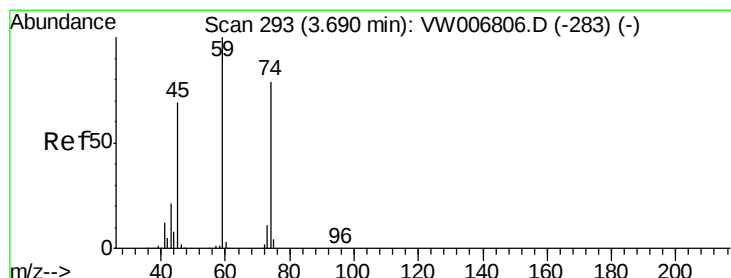
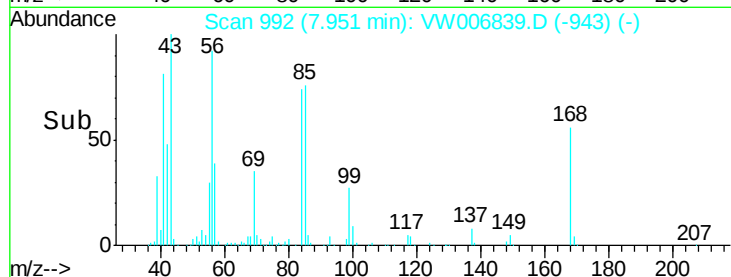
40000

20000

0

7.90 8.00 8.10

Time-->



#8

Diethyl Ether

Concen: 3.478 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW006839.D

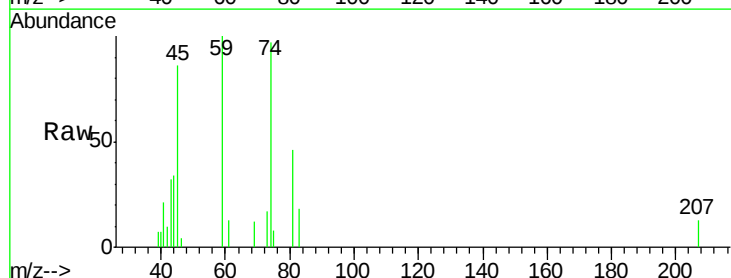
Acq: 13 Nov 2018 07:00

Tgt Ion: 74 Resp: 2665

Ion Ratio Lower Upper

74 100

45 111.6 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

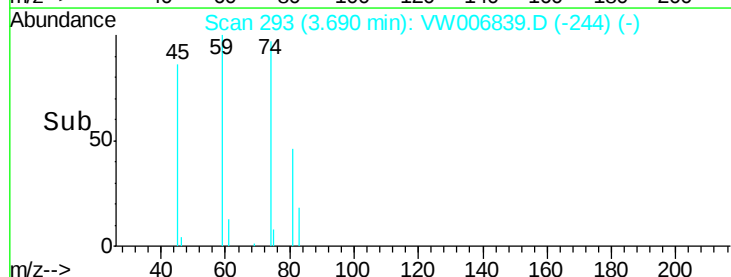
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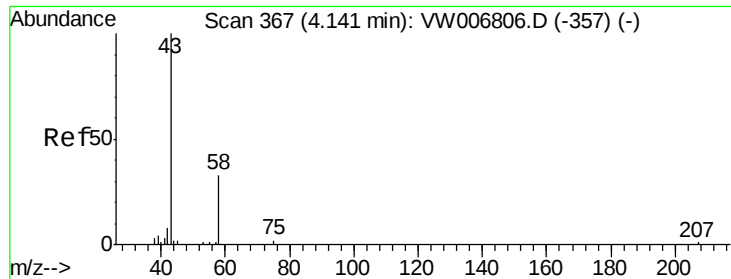
500

0

3.60 3.65 3.70 3.75

Time-->





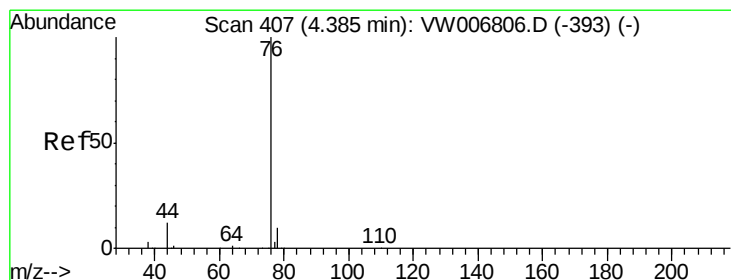
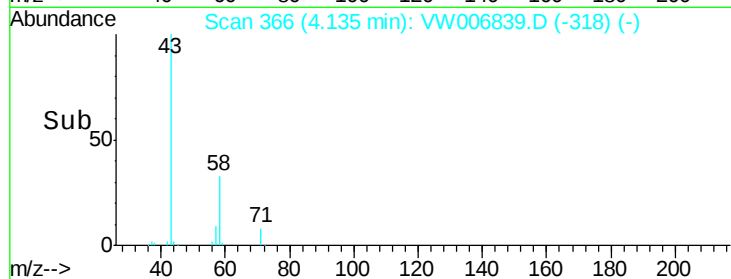
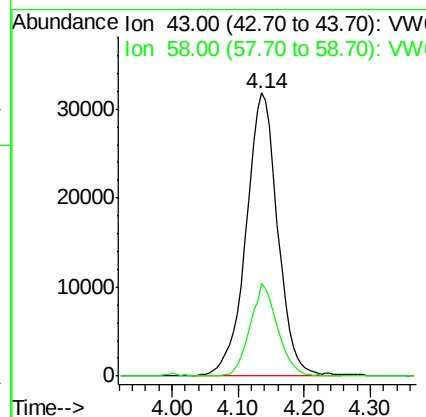
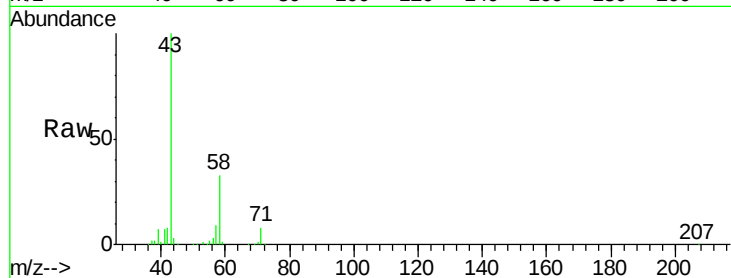
#16
Acetone
Concen: 510.031 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

Tgt Ion: 43 Resp: 106031
Ion Ratio Lower Upper
43 100
58 32.6 26.5 39.7

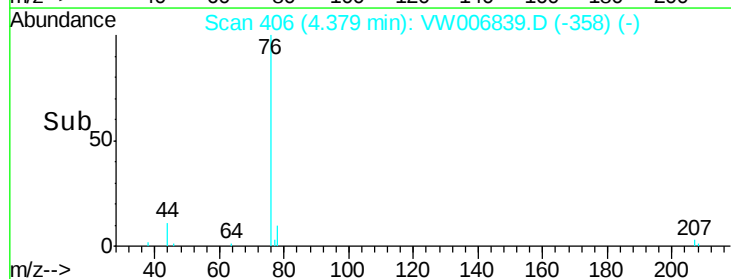
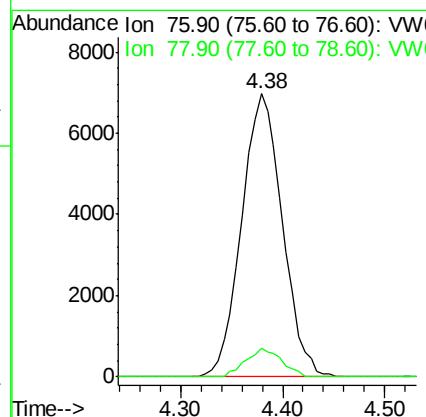
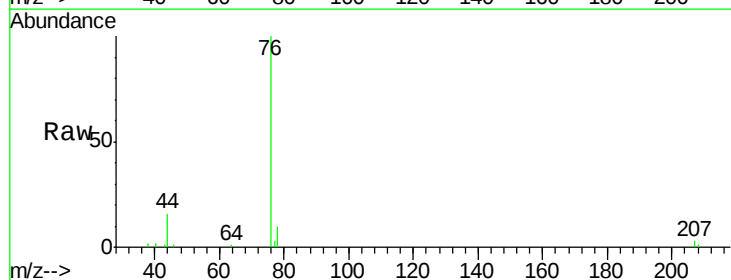
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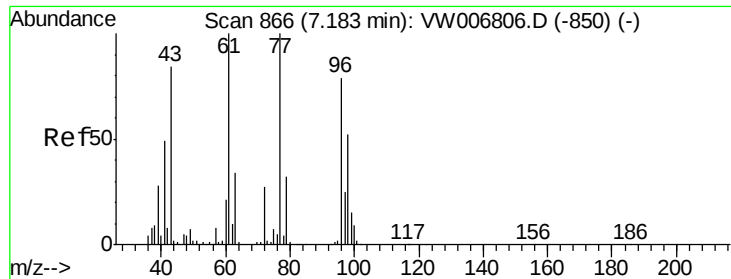
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#17
Carbon Disulfide
Concen: 4.083 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 76 Resp: 19315
Ion Ratio Lower Upper
76 100
78 10.0 7.6 11.4





#25

2-Butanone

Concen: 141.419 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

Tgt Ion: 43 Resp: 49720

Ion Ratio Lower Upper

43 100

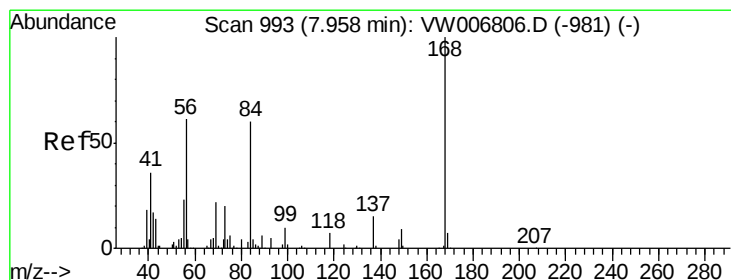
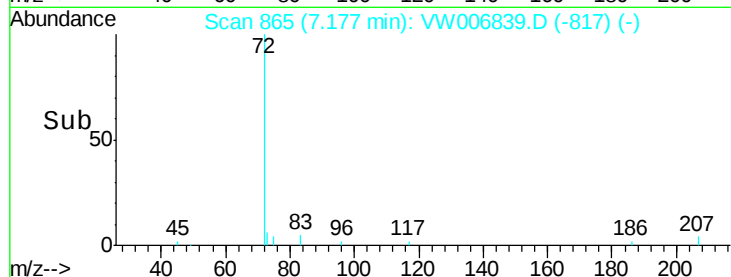
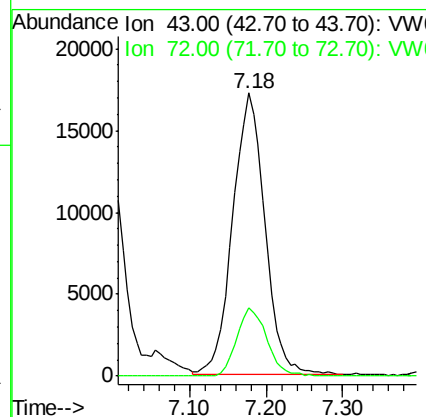
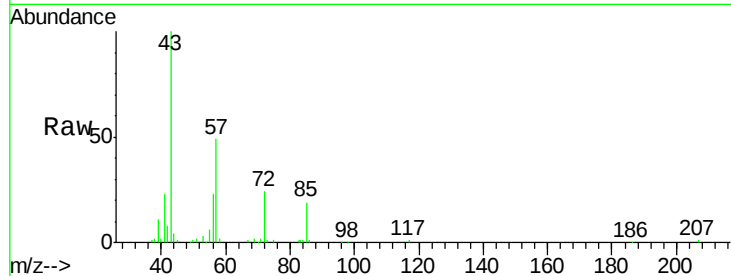
72 24.5 25.3 37.9#

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#31

Cyclohexane

Concen: 237.338 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.02 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

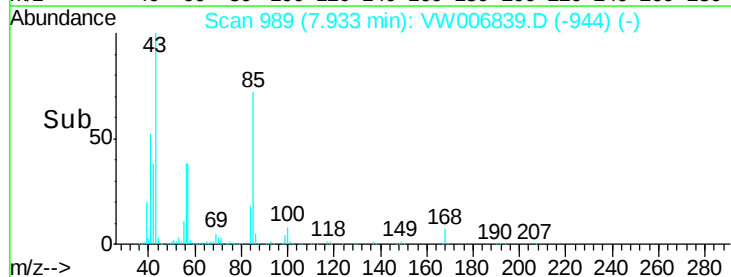
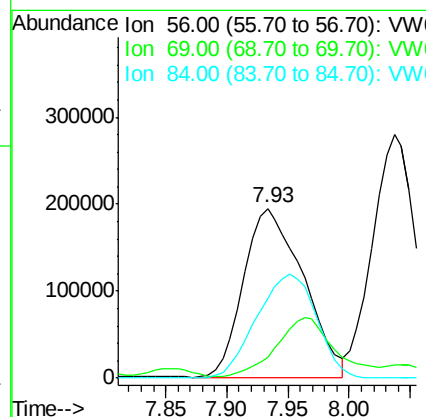
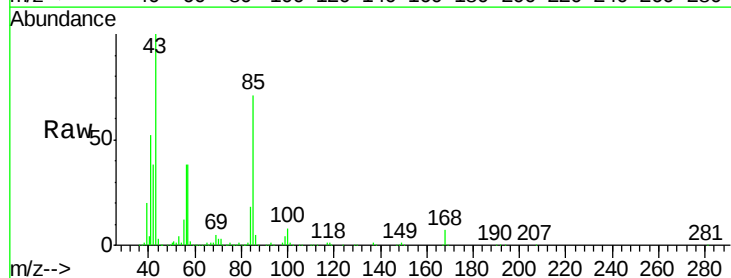
Tgt Ion: 56 Resp: 658293

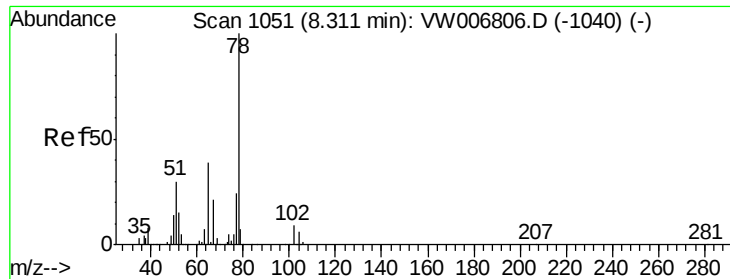
Ion Ratio Lower Upper

56 100

69 9.4 28.9 43.3#

84 47.4 79.0 118.4#





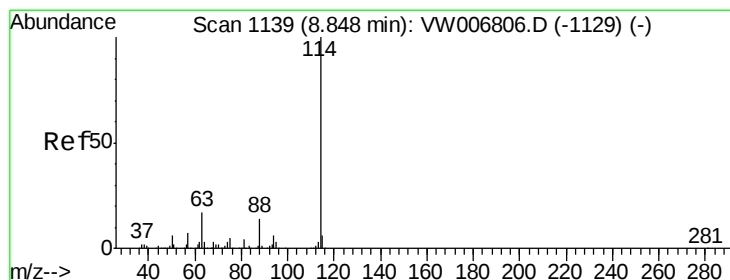
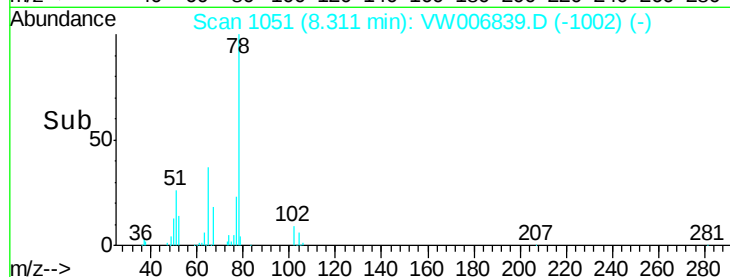
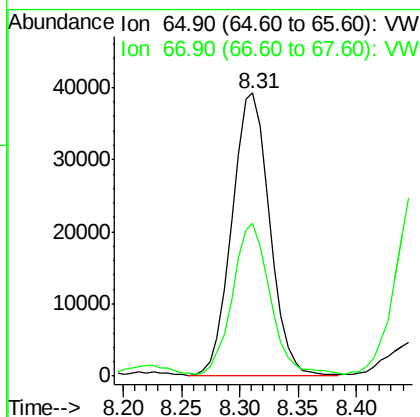
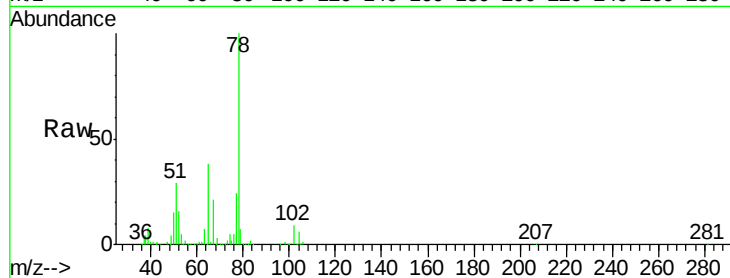
#33
 1,2-Dichloroethane-d4
 Concen: 60.881 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006839.D
 Acq: 13 Nov 2018 07:00

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-105(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	88129		
67	52.7	0.0	104.4	

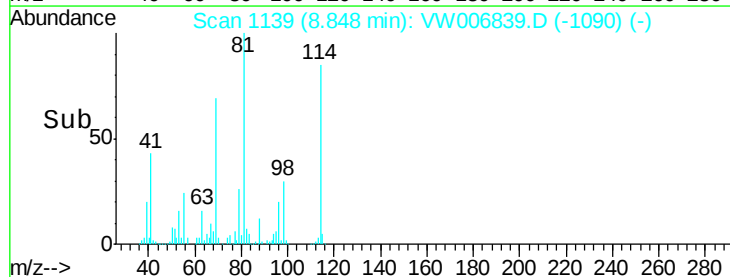
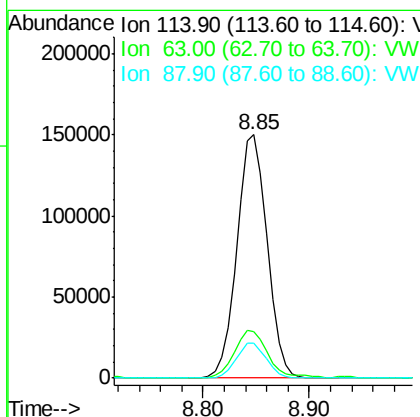
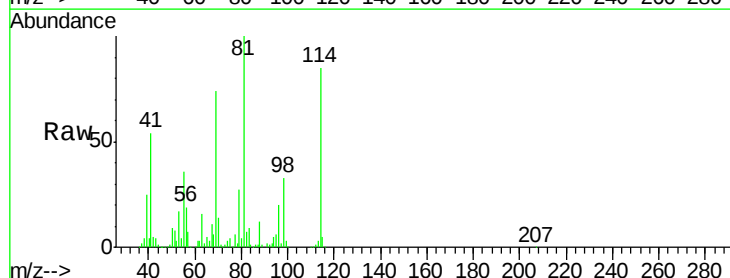
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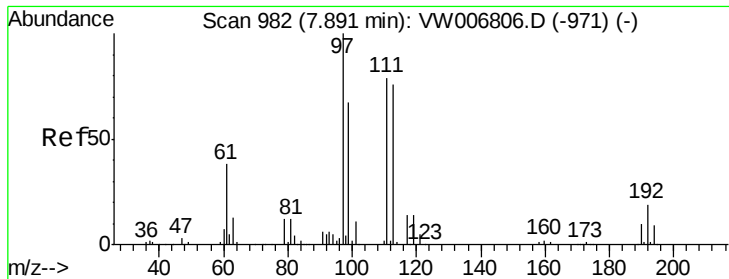
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006839.D
 Acq: 13 Nov 2018 07:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	299598		
63	19.2	0.0	33.6	
88	14.4	0.0	28.4	





#35

Dibromofluoromethane

Concen: 47.007 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006839.D

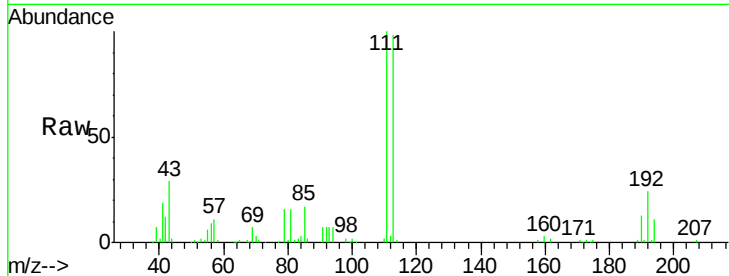
Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

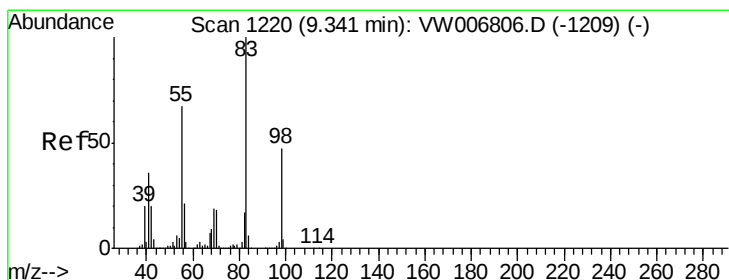
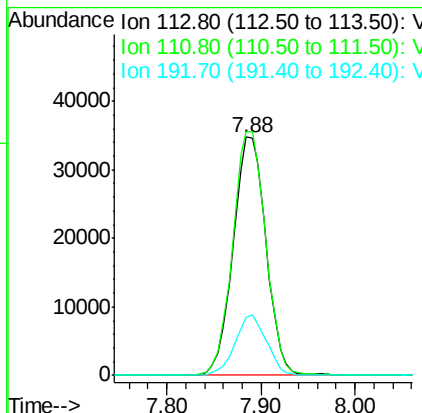
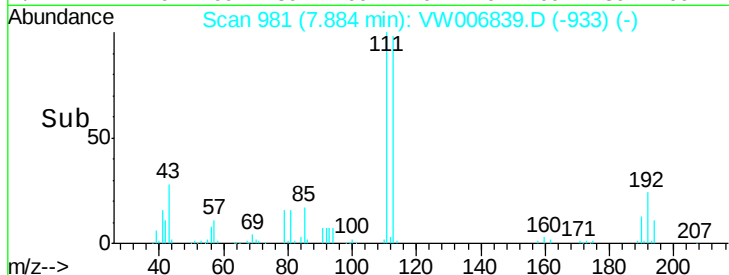
EP2-SB-105(0-4)



Tgt Ion:	113	Resp:	83861
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.6
192	24.3	19.0	28.6

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#39

Methylcyclohexane

Concen: 344.856 ug/l

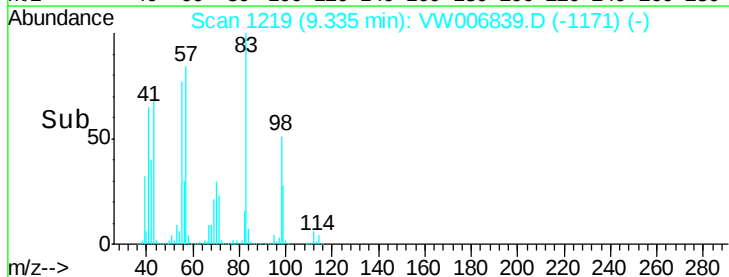
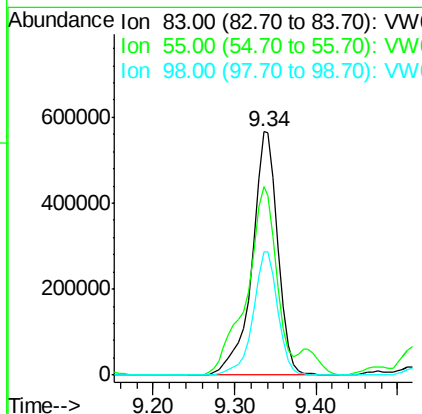
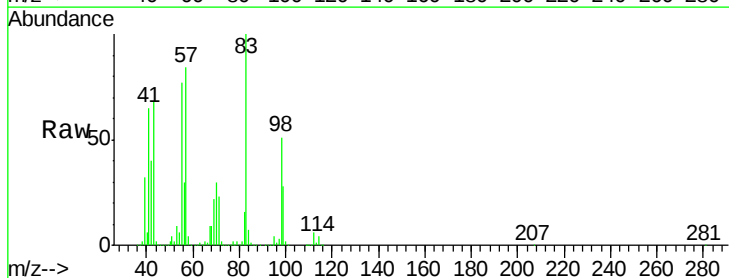
RT: 9.34 min Scan# 1219

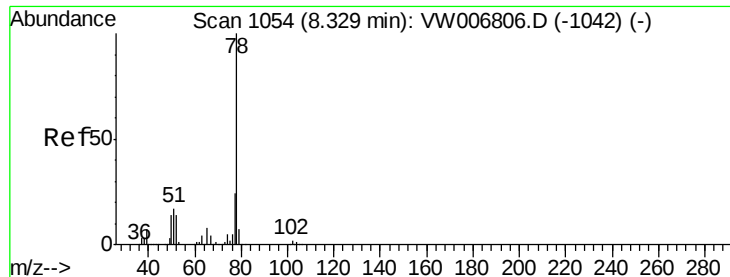
Delta R.T. -0.01 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Tgt Ion:	83	Resp:	1254393
Ion	Ratio	Lower	Upper
83	100		
55	77.3	53.3	79.9
98	50.6	37.9	56.9





#40

Benzene

Concen: 56.228 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

Tgt Ion: 78 Resp: 438361

Ion Ratio Lower Upper

78 100

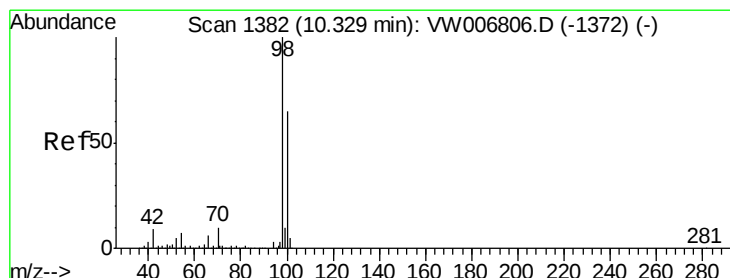
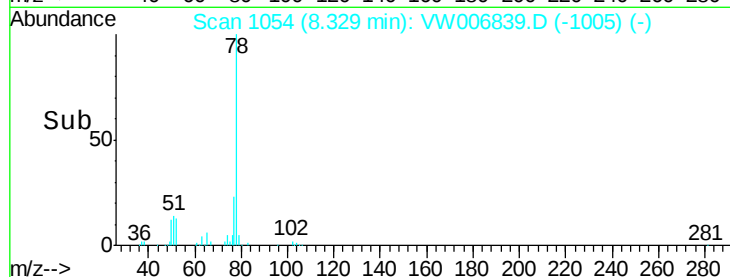
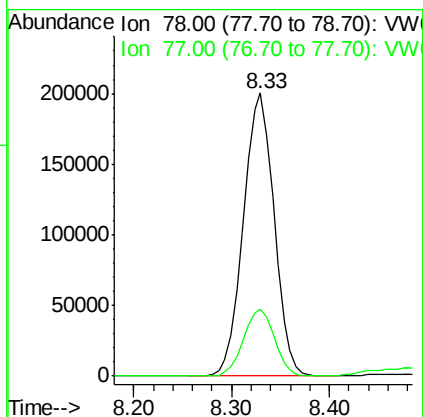
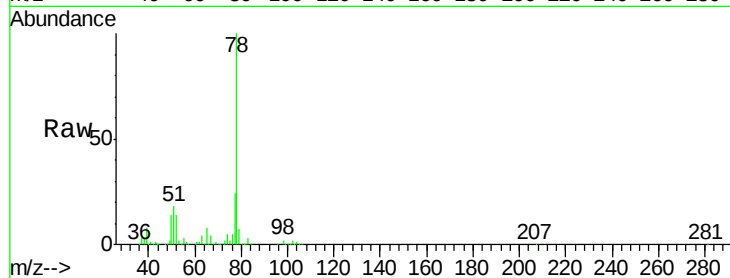
77 23.6 19.0 28.6

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#50

Toluene-d8

Concen: 36.935 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006839.D

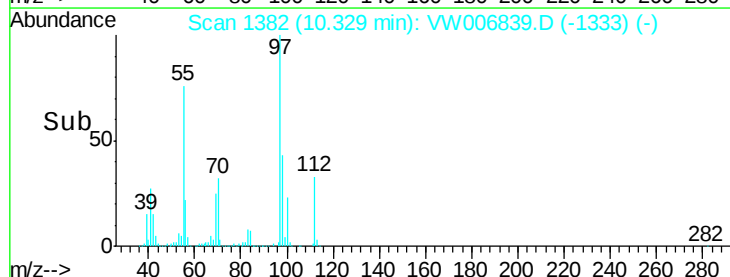
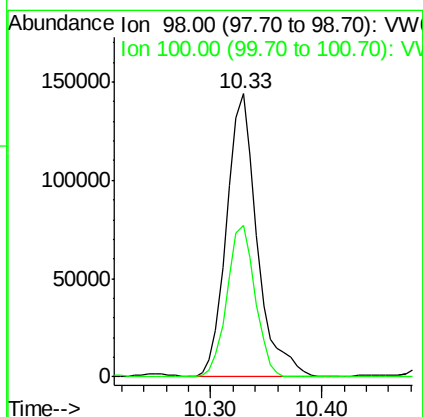
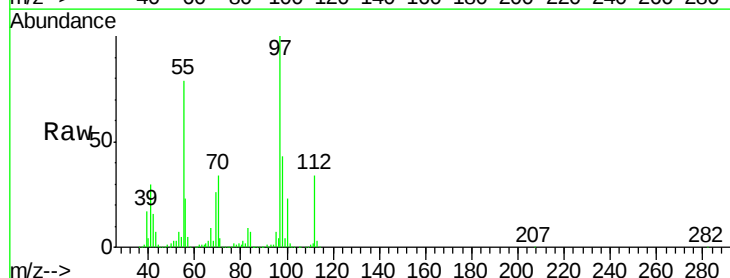
Acq: 13 Nov 2018 07:00

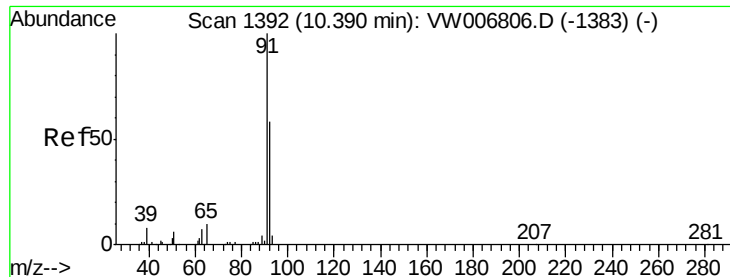
Tgt Ion: 98 Resp: 273117

Ion Ratio Lower Upper

98 100

100 49.1 51.4 77.2#





#52

Toluene

Concen: 26.367 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

Tgt Ion: 92 Resp: 145727

Ion Ratio Lower Upper

92 100

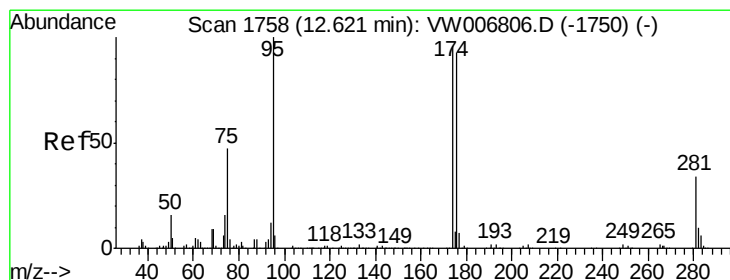
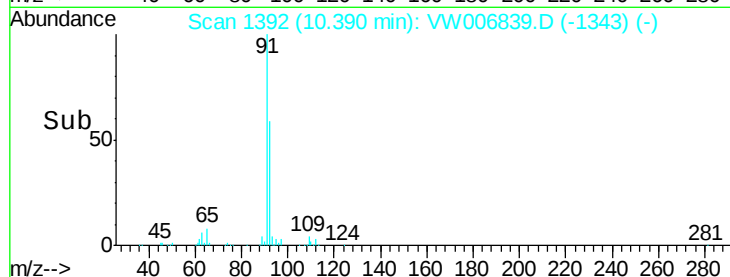
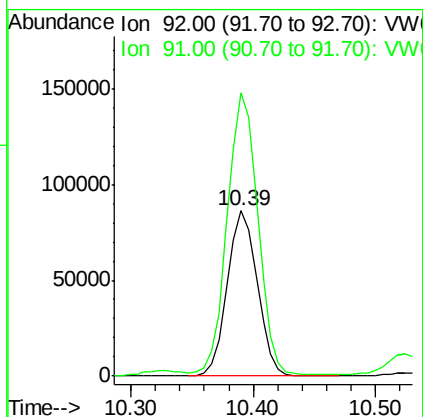
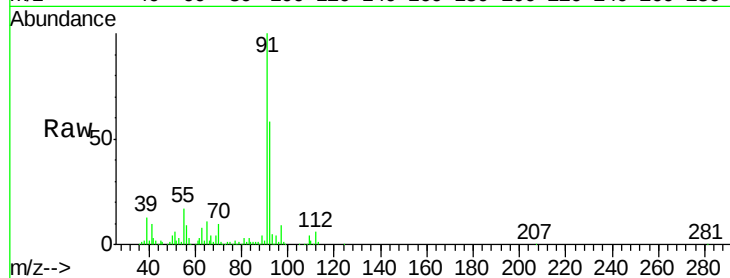
91 174.5 139.4 209.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 40.902 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

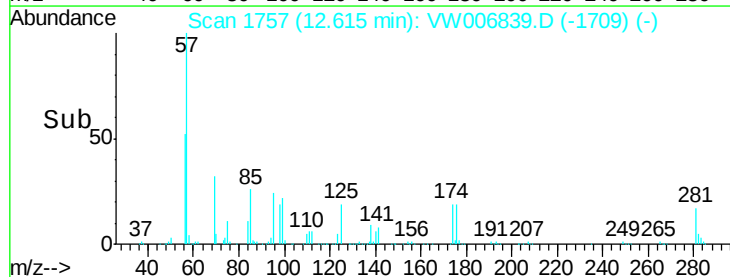
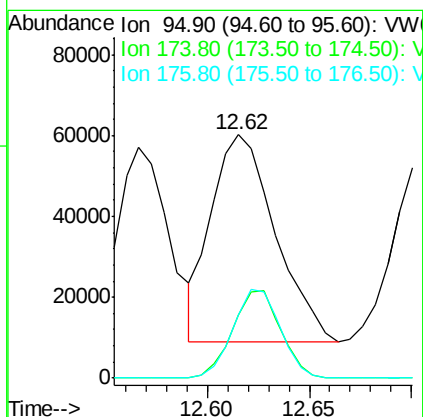
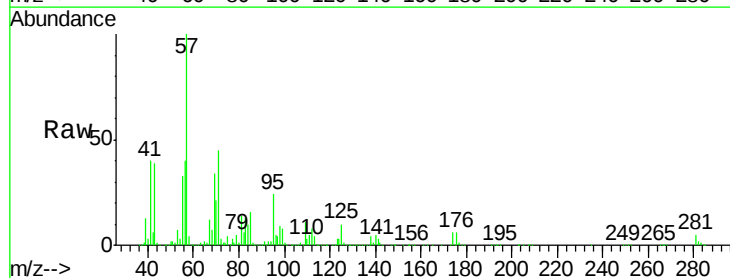
Tgt Ion: 95 Resp: 111396

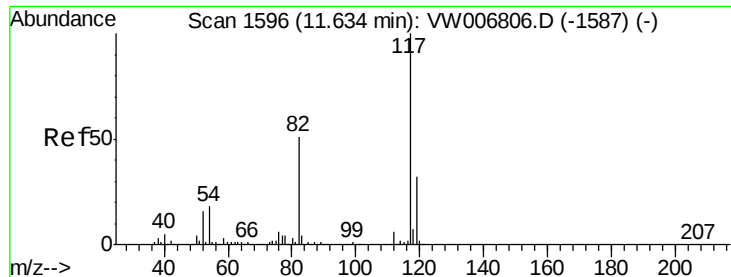
Ion Ratio Lower Upper

95 100

174 31.8 0.0 196.6

176 31.9 0.0 191.6





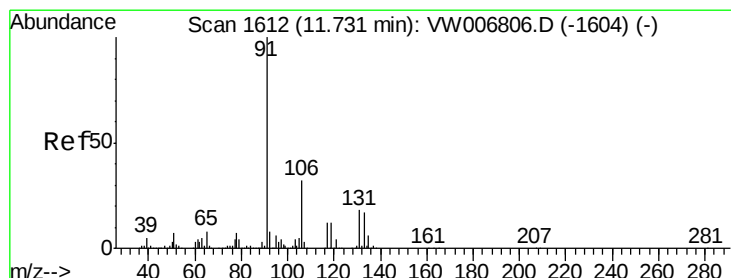
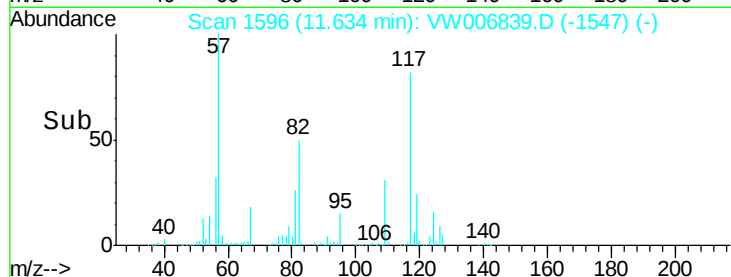
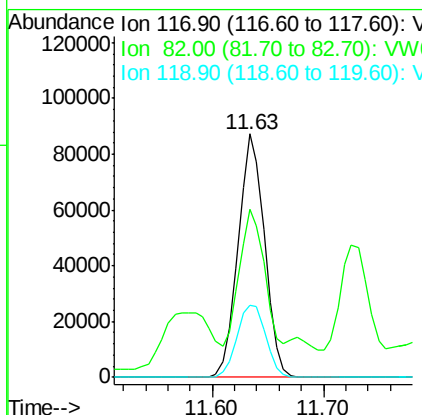
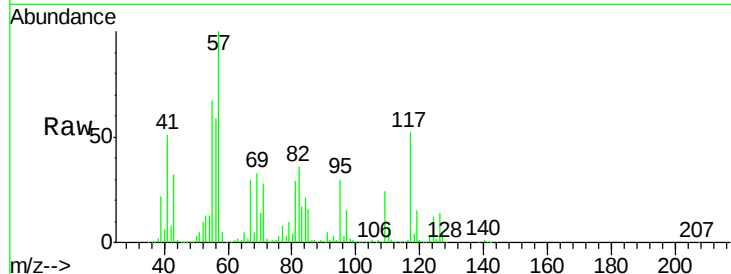
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	42.5	40.6	61.0
119	29.6	25.5	38.3

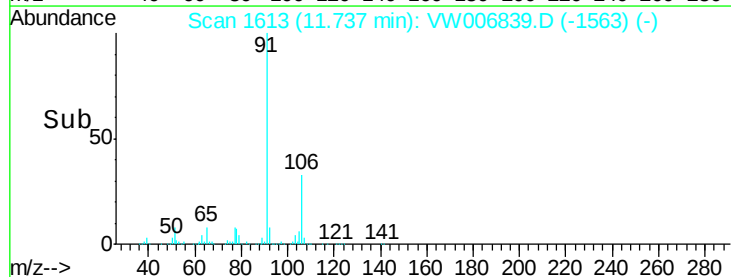
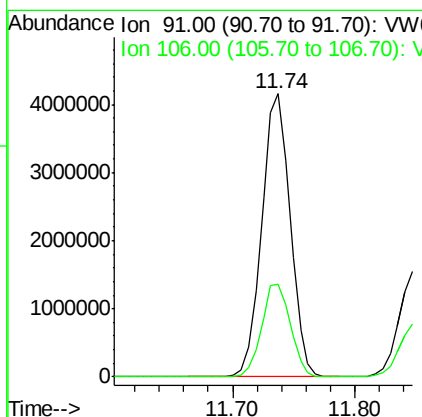
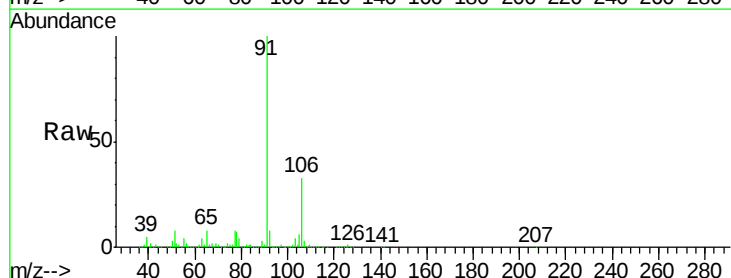
Manual Integrations
APPROVED

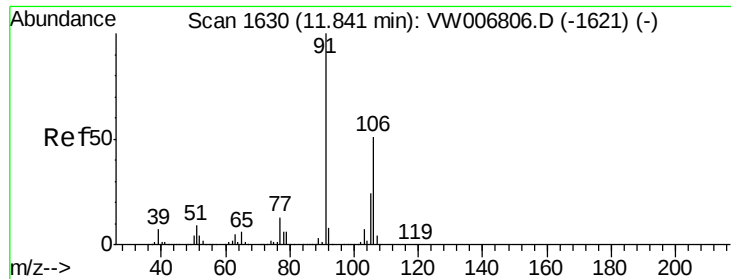
MMDadoda
11/13/2018 3:55:30 PM



#67
Ethyl Benzene
Concen: 1243.562 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.4	38.0





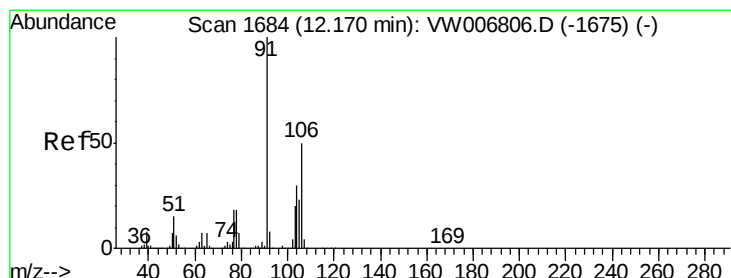
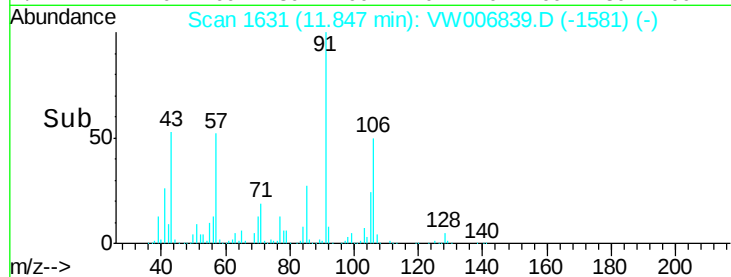
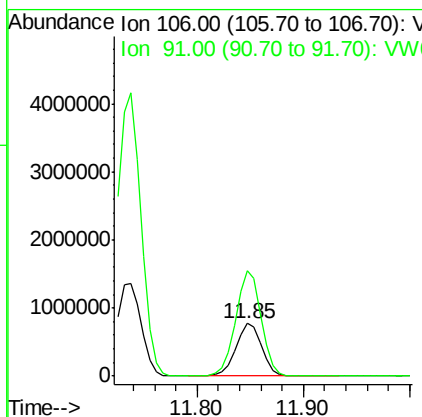
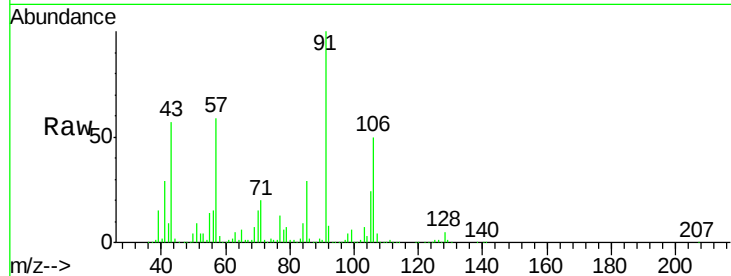
#68
m/p-Xylenes
Concen: 594.289 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

Tgt Ion:106 Resp: 1315026
Ion Ratio Lower Upper
106 100
91 196.4 155.7 233.5

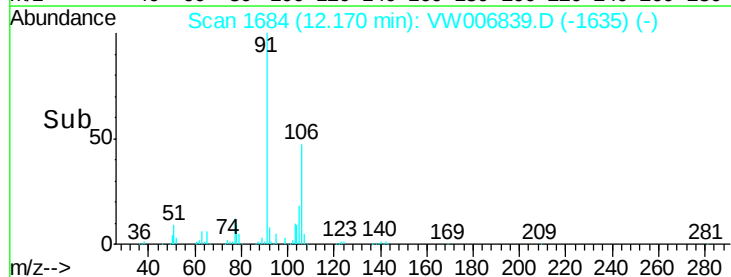
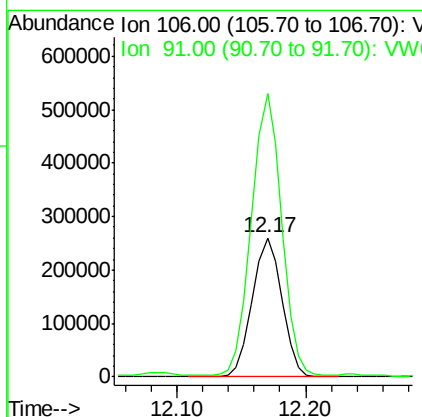
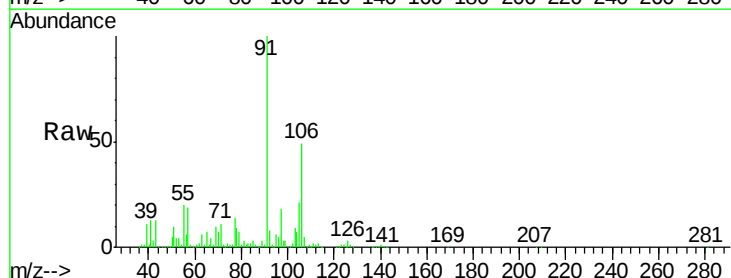
Manual Integrations
APPROVED

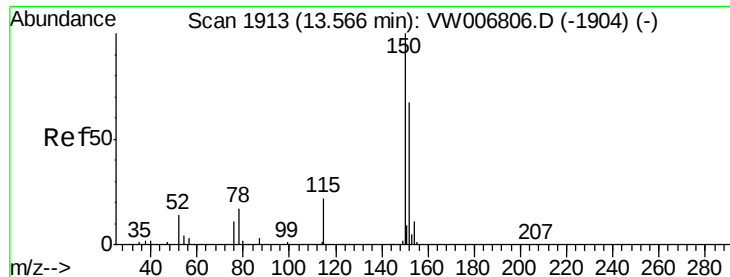
MMDadoda
11/13/2018 3:55:30 PM



#69
o-Xylene
Concen: 199.927 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion:106 Resp: 411728
Ion Ratio Lower Upper
106 100
91 206.2 101.9 305.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

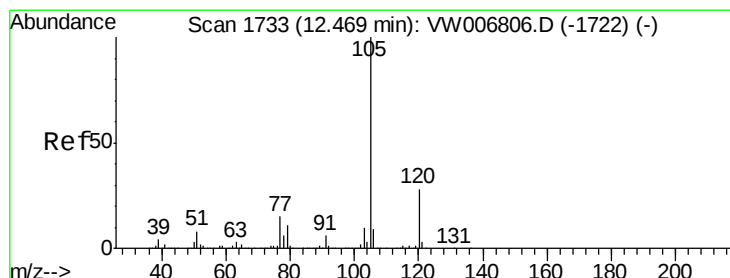
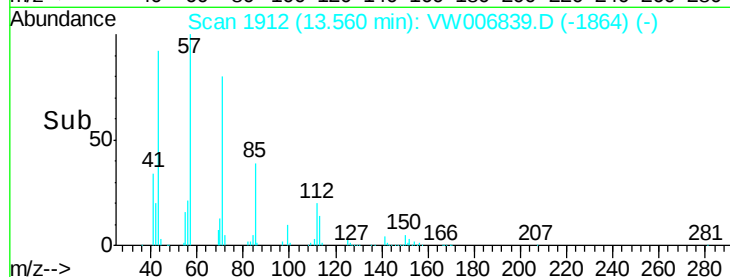
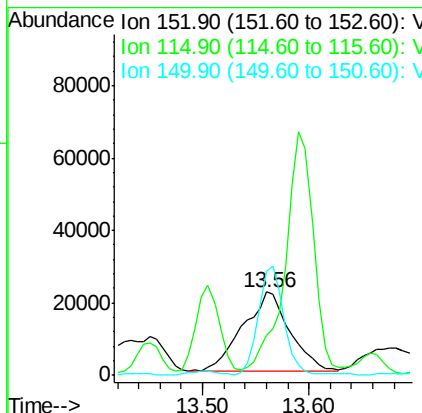
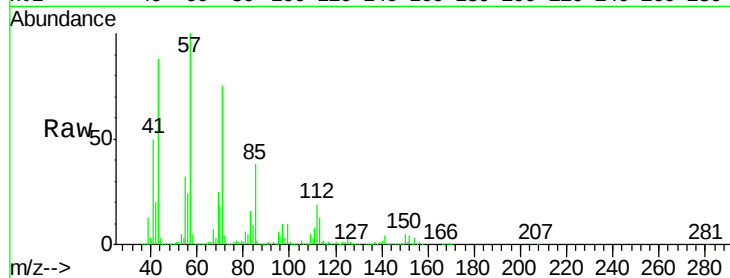
ClientSampleId :

EP2-SB-105(0-4)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	27.3	81.8#
150	74.2	0.0	353.0

Manual Integrations
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11/13/2018 3:55:30 PM



#73

Isopropylbenzene

Concen: 223.606 ug/l

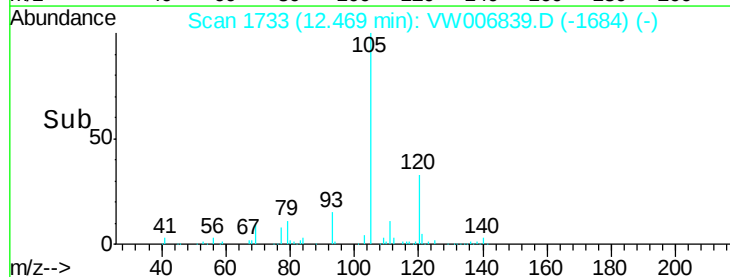
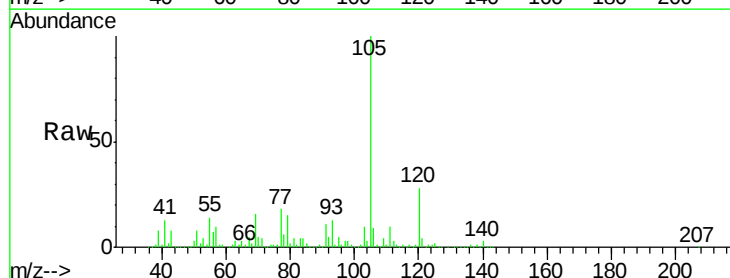
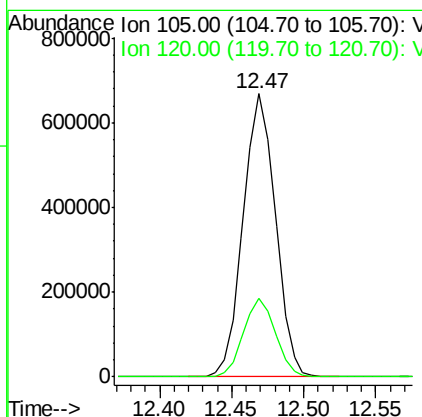
RT: 12.47 min Scan# 1733

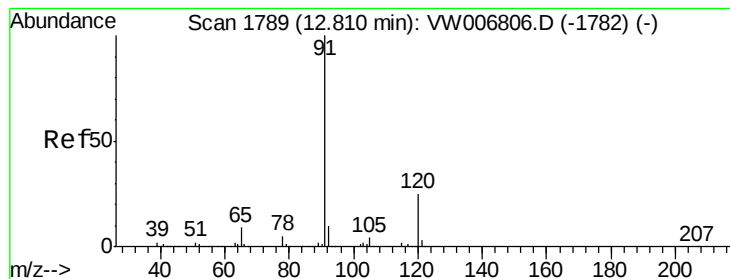
Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	14.0	42.0





#78

n-propylbenzene

Concen: 643.168 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

Tgt Ion: 91 Resp: 3527678

Ion Ratio Lower Upper

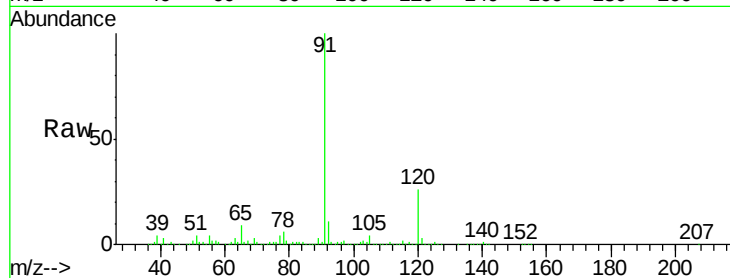
91 100

120 25.5 12.4 37.4

Manual Integrations
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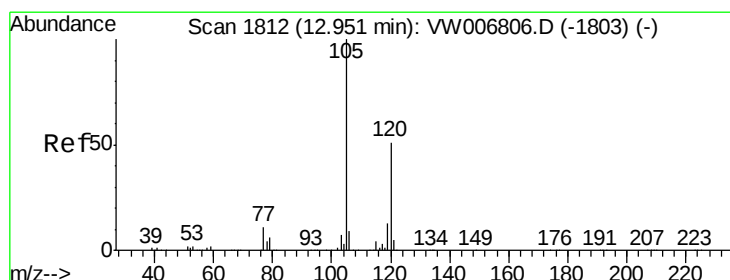
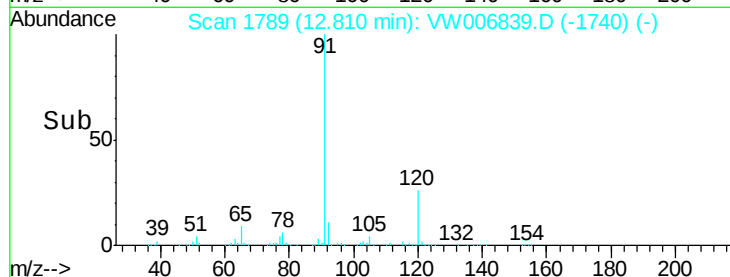
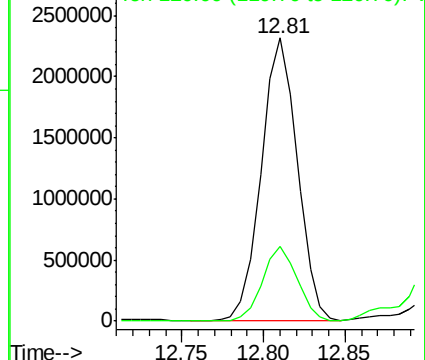
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 165.675 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006839.D

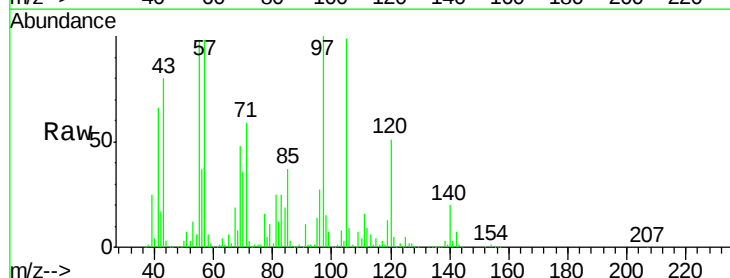
Acq: 13 Nov 2018 07:00

Tgt Ion: 105 Resp: 661880

Ion Ratio Lower Upper

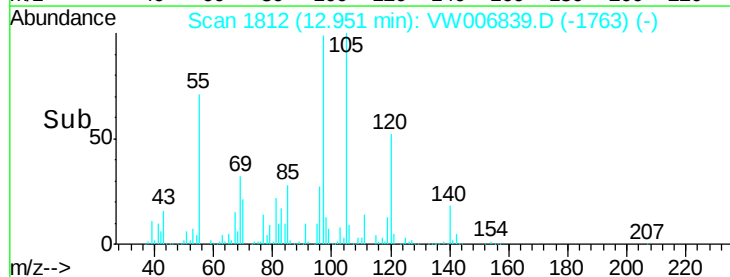
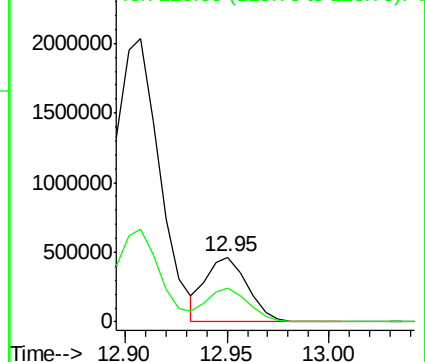
105 100

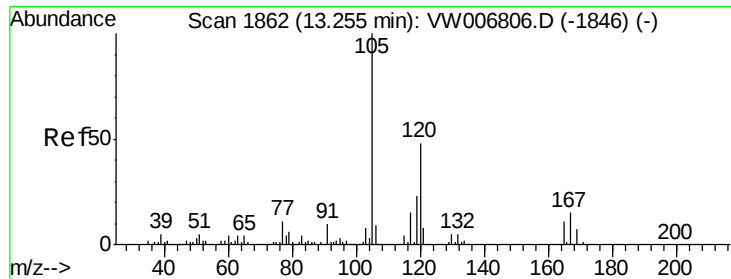
120 51.6 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





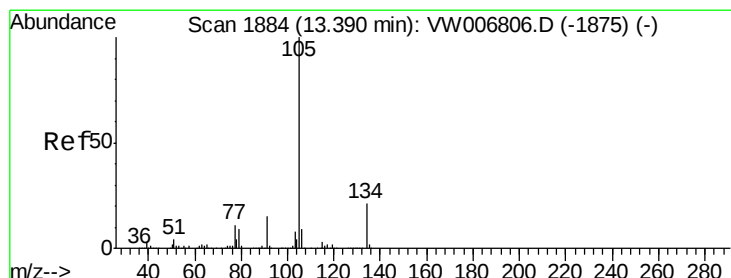
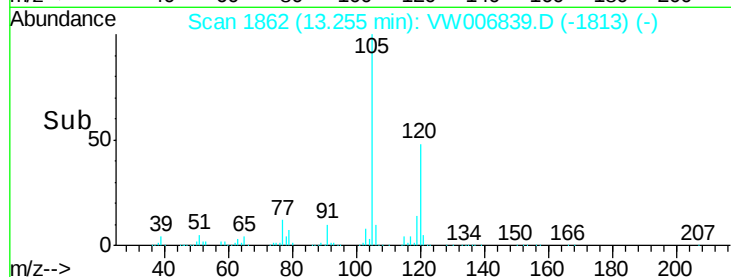
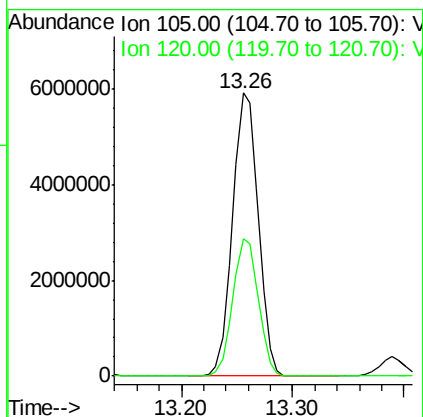
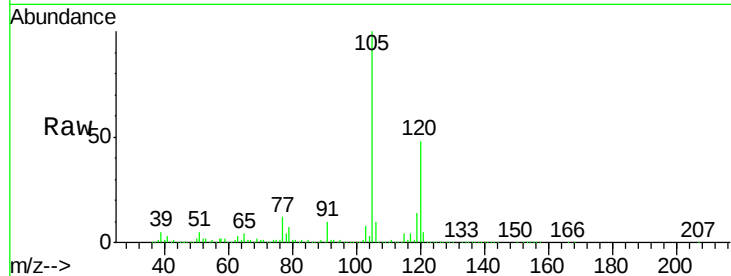
#84
1,2,4-Trimethylbenzene
Concen: 2323.715 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

Tgt Ion:105 Resp: 9447427
Ion Ratio Lower Upper
105 100
120 48.3 23.4 70.0

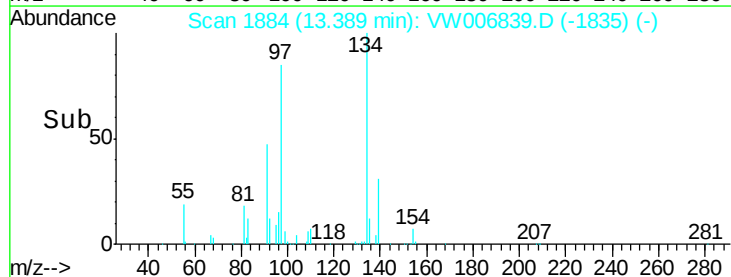
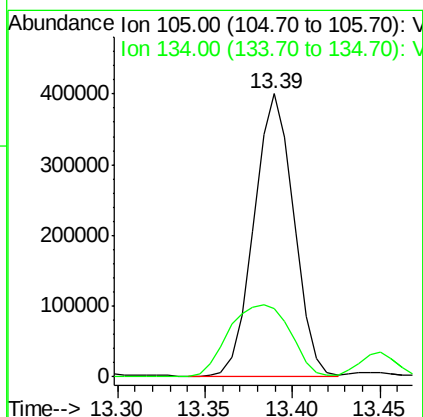
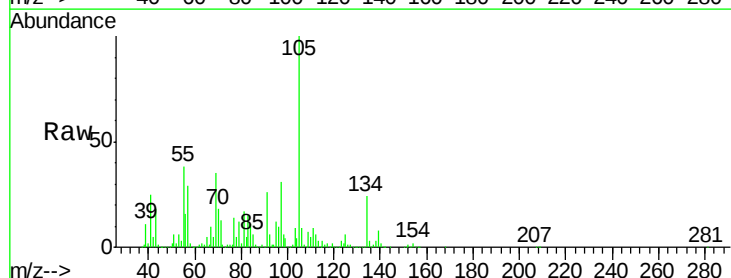
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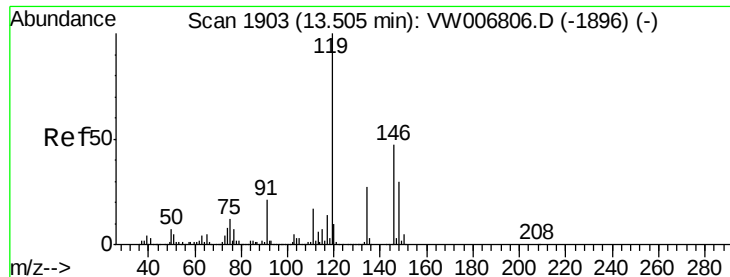
MMDadoda
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#85
sec-Butylbenzene
Concen: 125.552 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion:105 Resp: 628275
Ion Ratio Lower Upper
105 100
134 39.9 10.7 31.9#





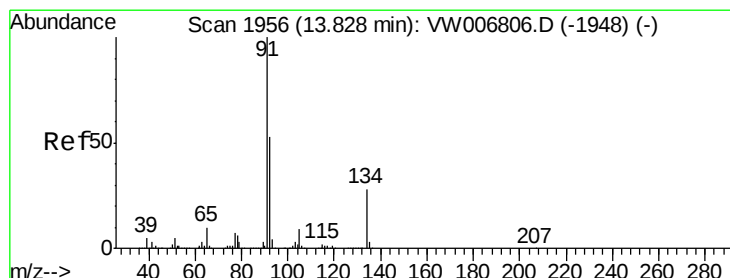
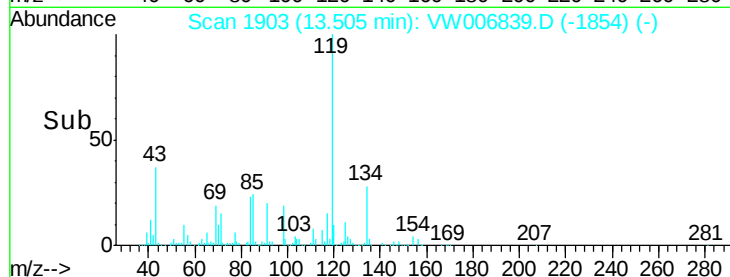
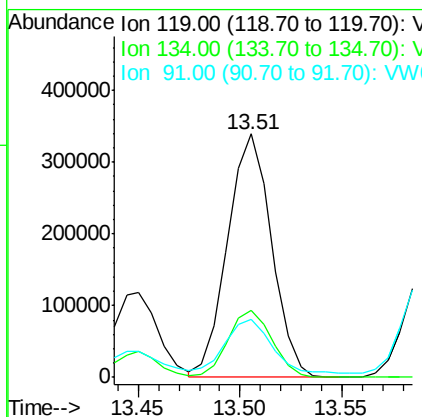
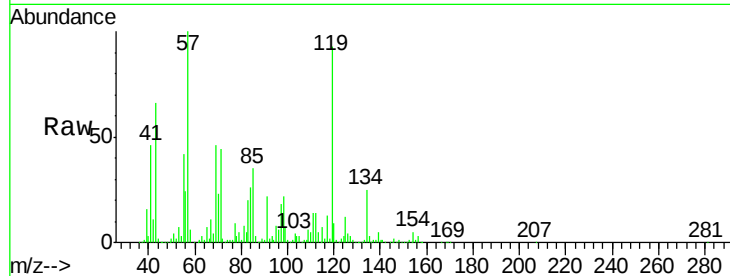
#86
p-Isopropyltoluene
Concen: 111.340 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.5	40.4
91	22.9	10.8	32.4

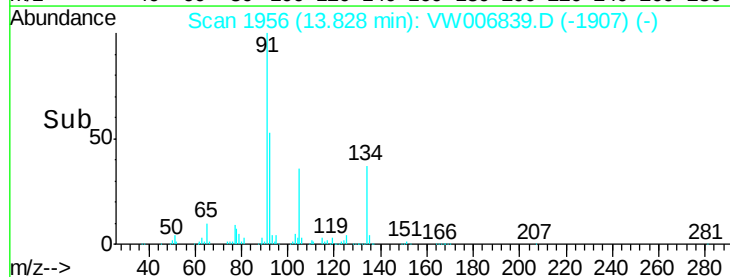
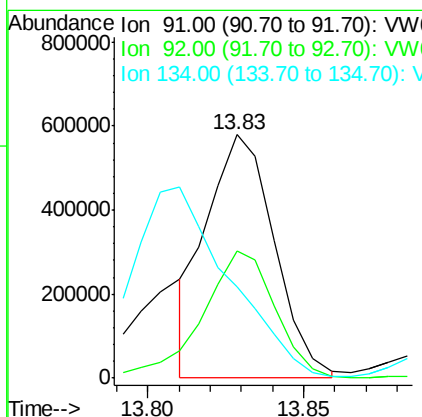
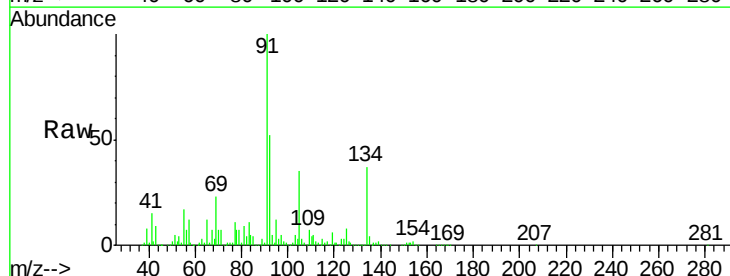
Manual Integrations
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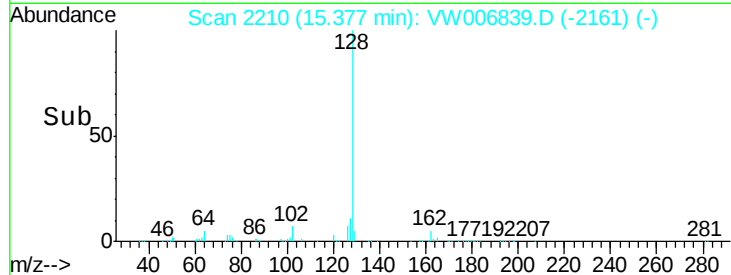
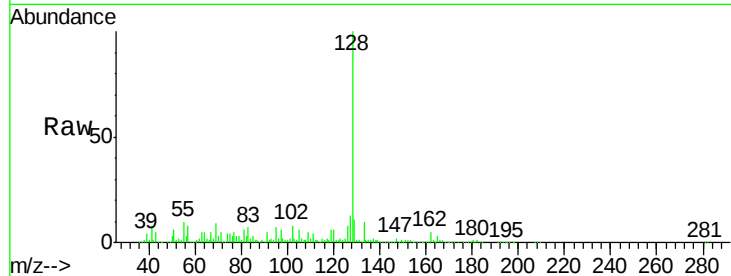
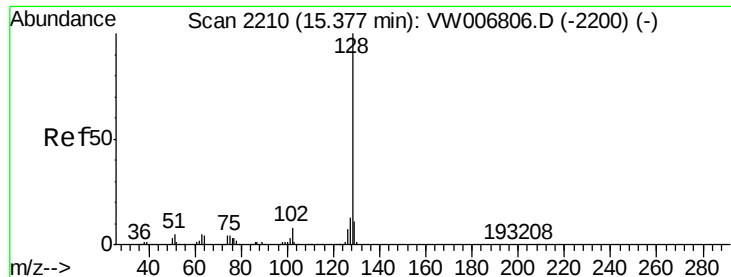
MMDadoda
11/13/2018 3:55:30 PM



#89
n-Butylbenzene
Concen: 211.508 ug/l m
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	26.5	79.4
134	111.2	14.4	43.2#





#95
Naphthalene
Concen: 664.866 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion:	128	Resp:	1561213
Ion	Ratio	Lower	Upper
128	100		
127	15.9	10.3	15.5#
129	10.9	8.6	13.0

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

Manual Integrations
APPROVED

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11/13/2018 3:55:30 PM

