

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
 Data File : VW006841.D
 Acq On : 13 Nov 2018 07:51
 Operator : SY/AP
 Sample : J5860-16
 Misc : 5.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-106(2-4)

Manual Integrations
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Quant Time: Nov 13 16:55:59 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	173645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	238358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	97574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.54	152	230436m	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	70922	55.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.74%	
35) Dibromofluoromethane	7.89	113	66119	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
50) Toluene-d8	10.33	98	238084	40.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.94%	
62) 4-Bromofluorobenzene	12.62	95	594962	274.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	549.16%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.69	74	5063	7.535	ug/l #	51
16) Acetone	4.14	43	166077	910.995	ug/l	97
17) Carbon Disulfide	4.39	76	9320	2.247	ug/l #	93
20) Methylene Chloride	4.93	84	14090	3.673	ug/l	91
25) 2-Butanone	7.18	43	86871	281.770	ug/l	91
31) Cyclohexane	7.95	56	186611	76.723	ug/l	88
39) Methylcyclohexane	9.34	83	958121	331.081	ug/l	91
40) Benzene	8.33	78	221464	35.706	ug/l	100
52) Toluene	10.39	92	476145	108.284	ug/l	97
67) Ethyl Benzene	11.74	91	2034633	551.345	ug/l	98
68) m/p-Xylenes	11.84	106	832366	551.274	ug/l	99
69) o-Xylene	12.17	106	664641	472.975	ug/l	90
73) Isopropylbenzene	12.47	105	811614	50.740	ug/l	98
78) n-propylbenzene	12.81	91	2086799	110.539	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1965729	142.956	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	9137231	652.956	ug/l	95
85) sec-Butylbenzene	13.39	105	1181675	68.607	ug/l #	66
86) p-Isopropyltoluene	13.51	119	1525879	97.397	ug/l	100
89) n-Butylbenzene	13.83	91	951448m	66.454	ug/l	
95) Naphthalene	15.38	128	643202	79.583	ug/l #	95

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

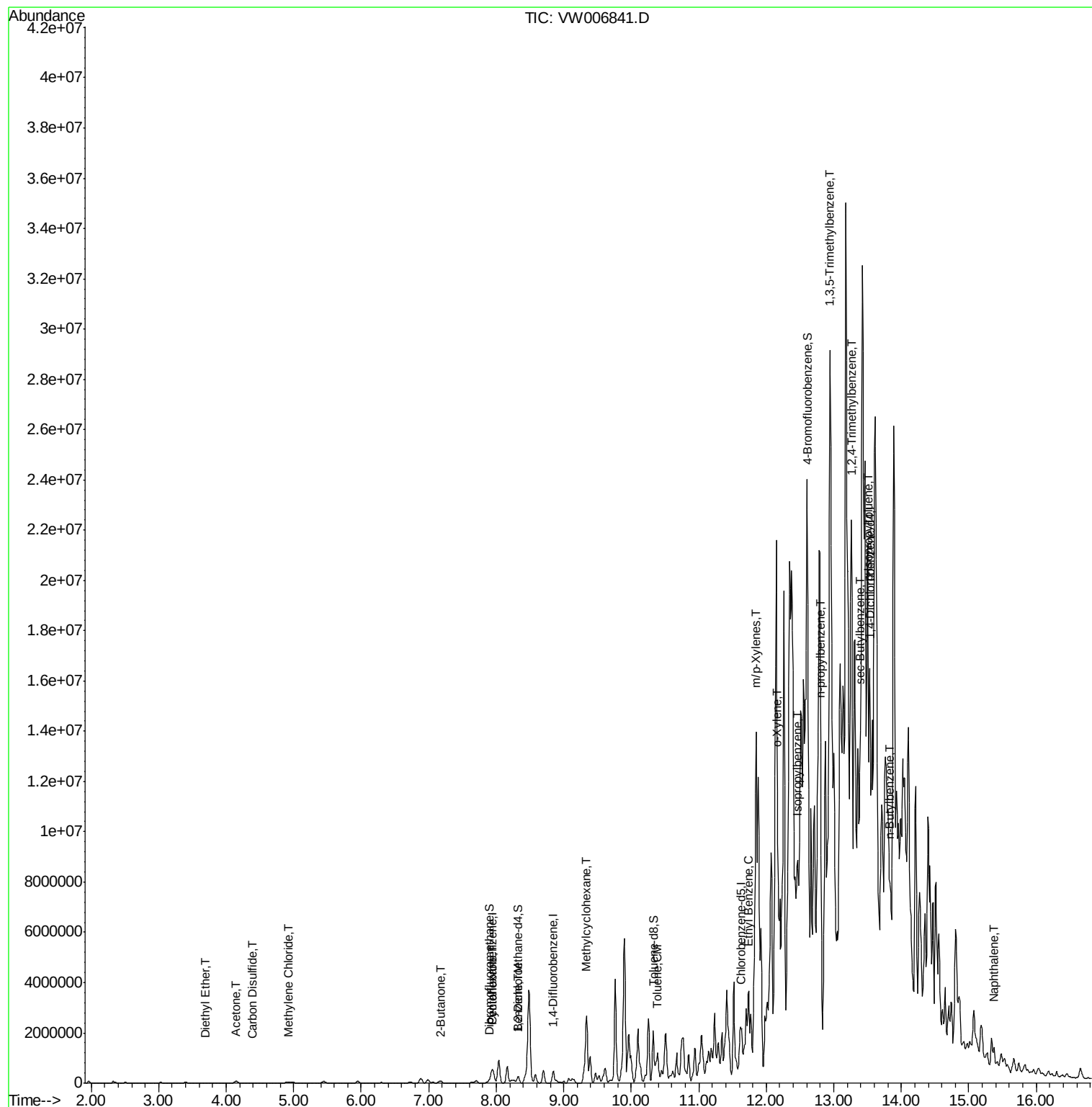
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
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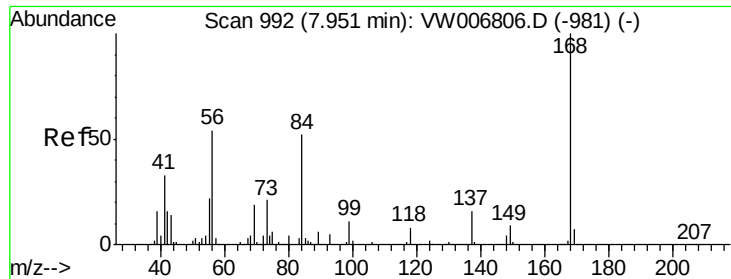
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-106(2-4)

Quant Time: Nov 13 16:55:59 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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-106(2-4)

Tgt Ion: 168 Resp: 173645

Ion Ratio Lower Upper

168 100

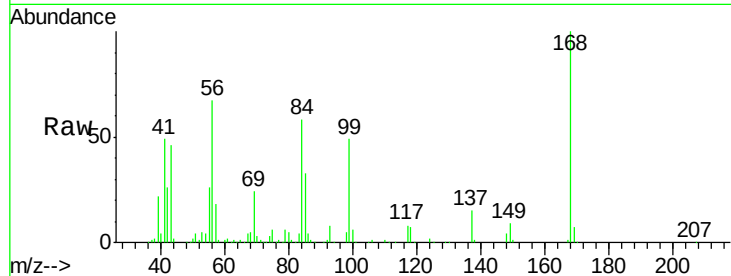
99 48.9 37.3 55.9

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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

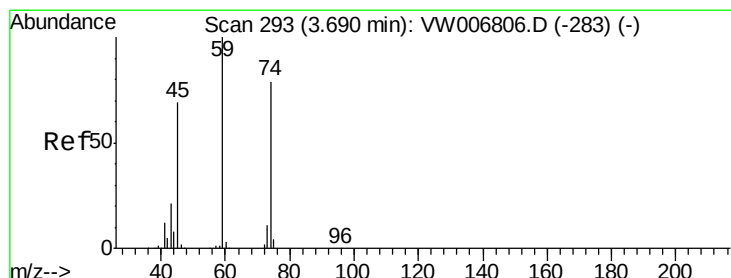
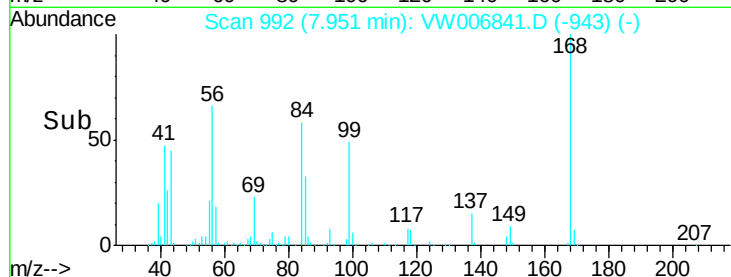
40000

20000

0

7.90 8.00 8.10

Time-->



#8

Diethyl Ether

Concen: 7.535 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW006841.D

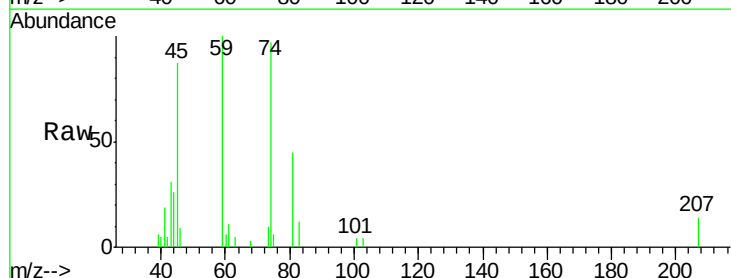
Acq: 13 Nov 2018 07:51

Tgt Ion: 74 Resp: 5063

Ion Ratio Lower Upper

74 100

45 131.6 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

2500

2000

1500

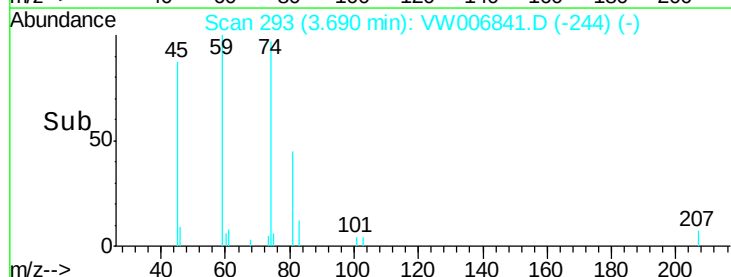
1000

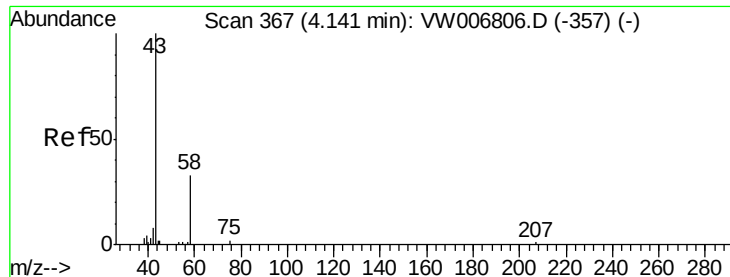
500

0

3.60 3.65 3.70 3.75

Time-->





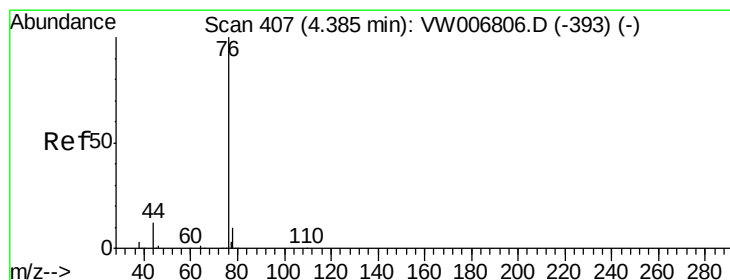
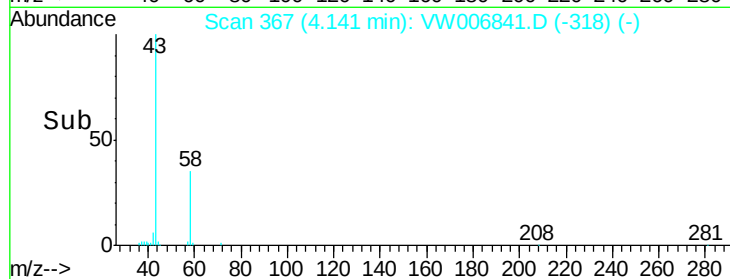
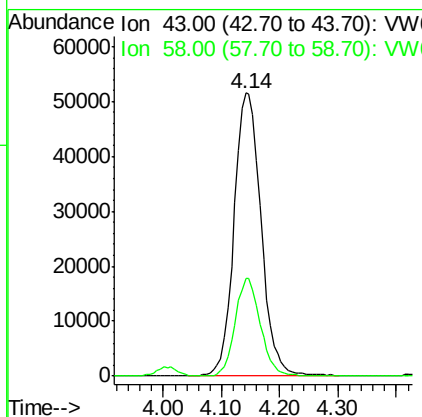
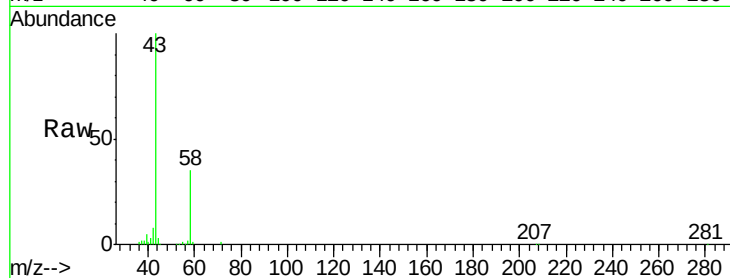
#16
Acetone
Concen: 910.995 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-106(2-4)

Tgt Ion: 43 Resp: 166077
Ion Ratio Lower Upper
43 100
58 34.6 26.5 39.7

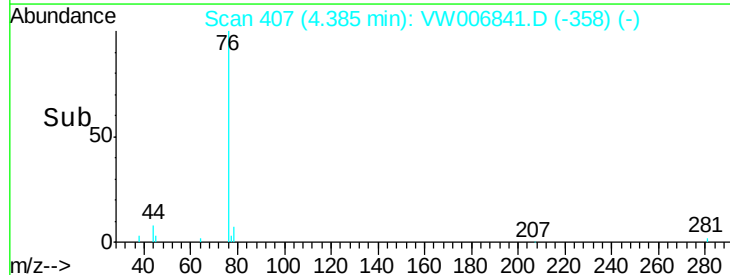
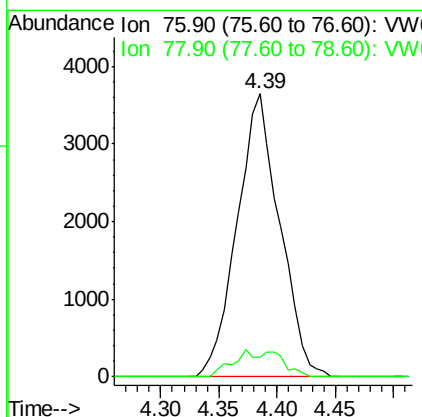
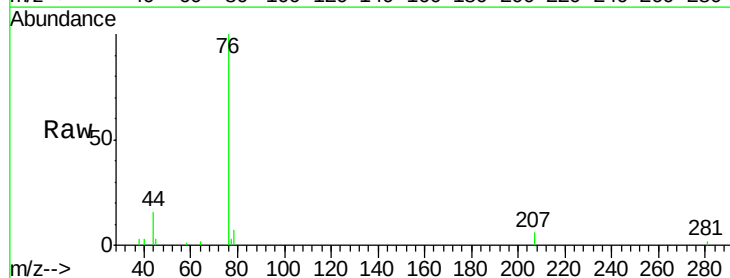
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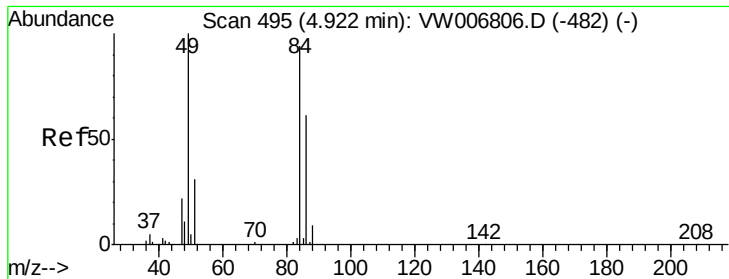
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#17
Carbon Disulfide
Concen: 2.247 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion: 76 Resp: 9320
Ion Ratio Lower Upper
76 100
78 7.0 7.6 11.4#





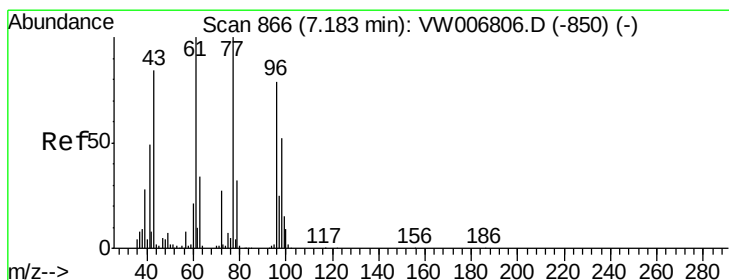
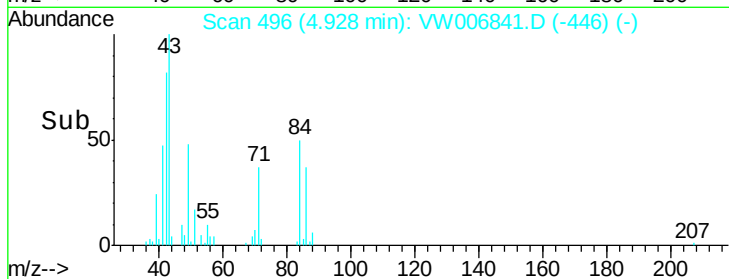
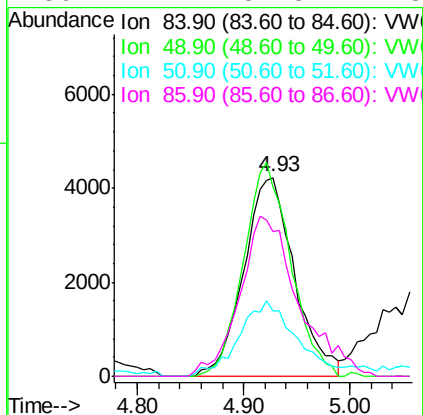
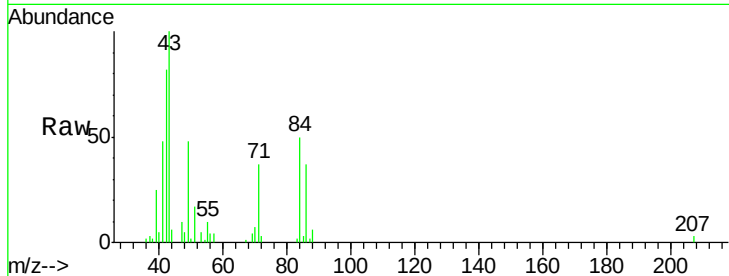
#20
Methylene Chloride
Concen: 3.673 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-106(2-4)

Tgt Ion	Ratio	Lower	Upper
84	100		
49	95.2	84.8	127.2
51	33.0	26.2	39.4
86	72.7	51.8	77.8

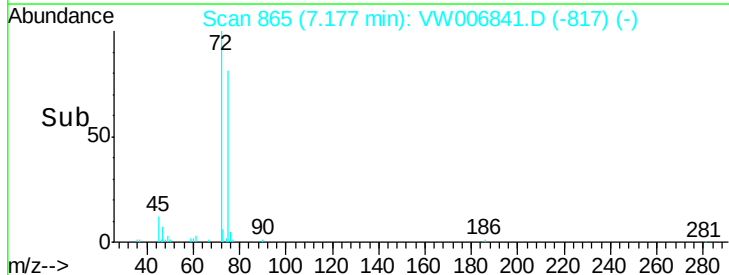
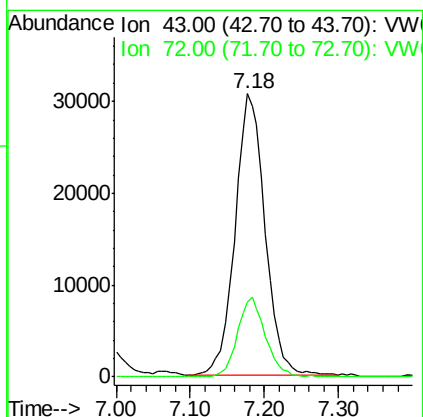
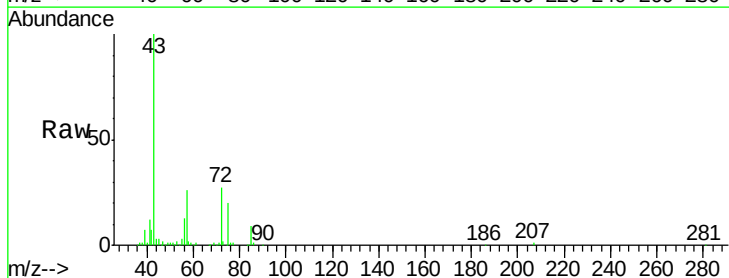
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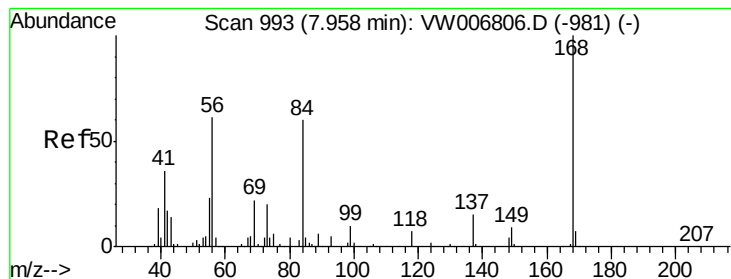
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#25
2-Butanone
Concen: 281.770 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.7	25.3	37.9





#31

Cyclohexane

Concen: 76.723 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

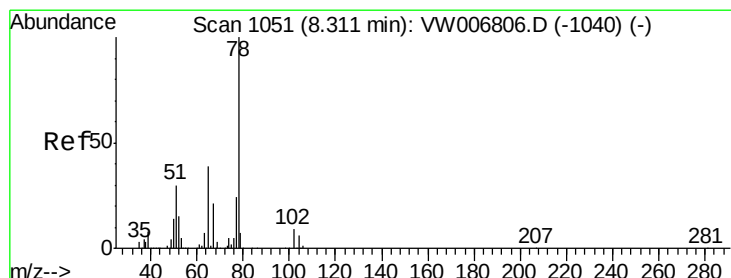
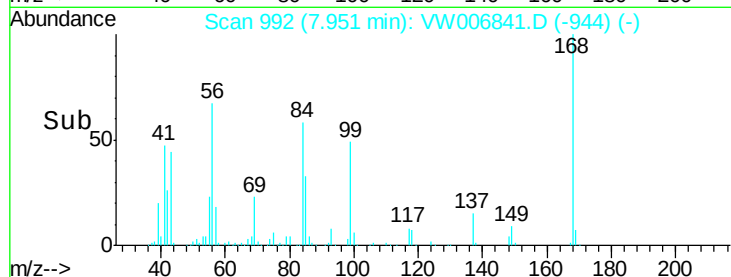
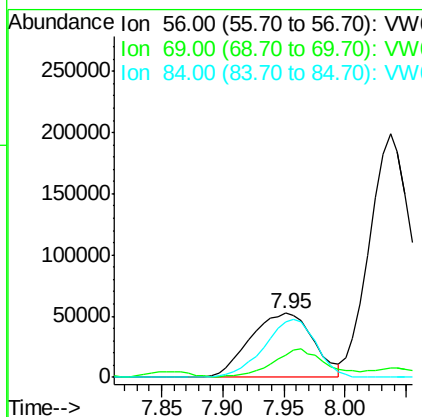
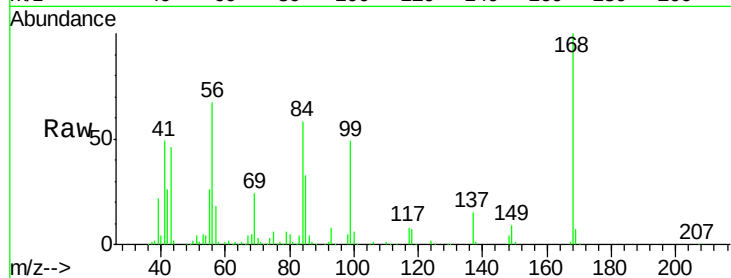
ClientSampleId :

EP2-SB-106(2-4)

Tgt Ion:	56	Resp:	186611
Ion Ratio	Lower	Upper	
56	100		
69	29.9	28.9	43.3
84	86.9	79.0	118.4

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#33

1,2-Dichloroethane-d4

Concen: 55.871 ug/l

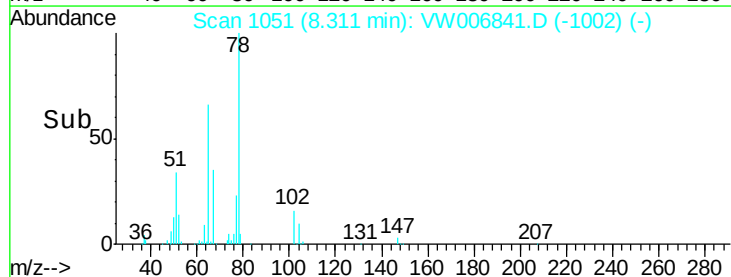
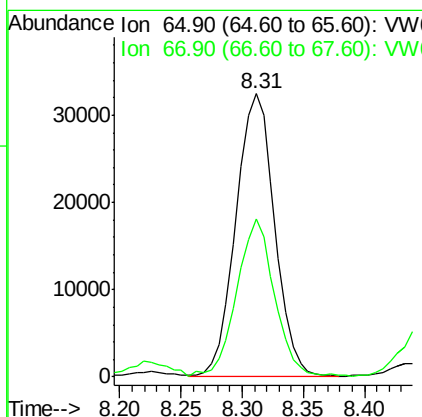
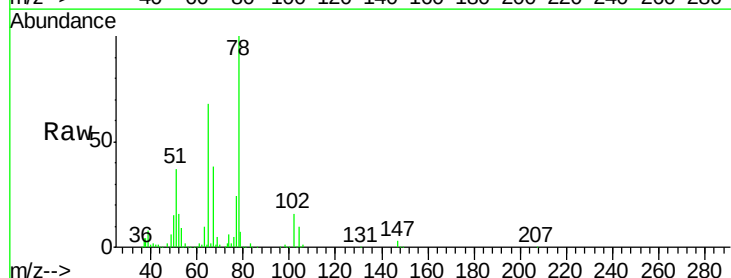
RT: 8.31 min Scan# 1051

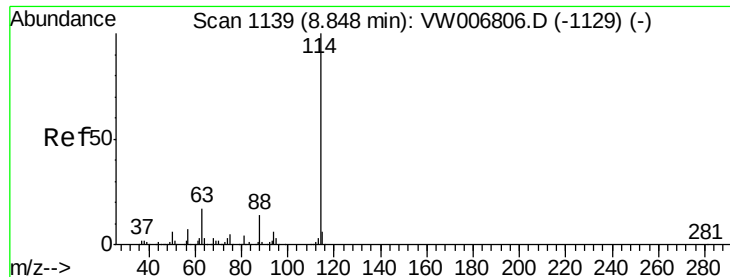
Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Tgt Ion:	65	Resp:	70922
Ion Ratio	Lower	Upper	
65	100		
67	55.2	0.0	104.4





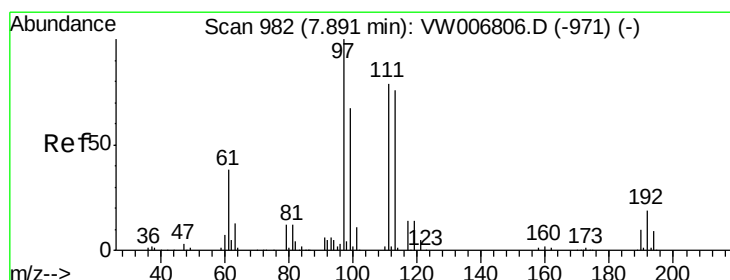
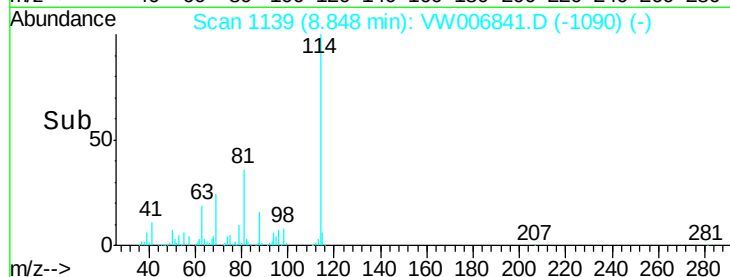
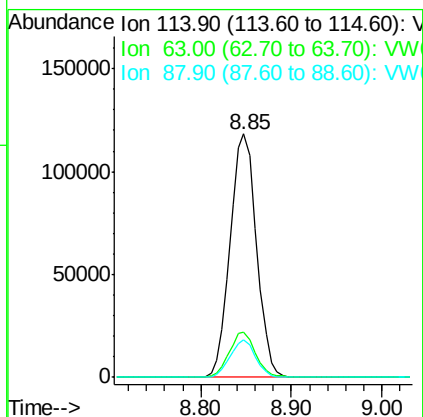
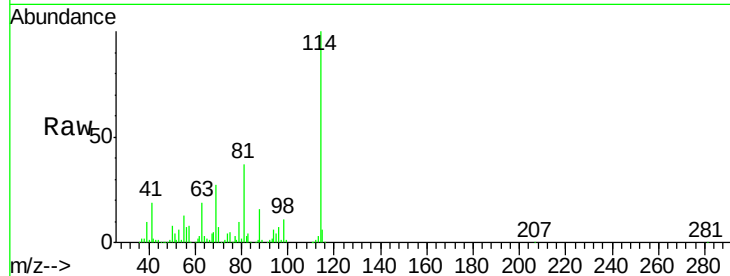
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-106(2-4)

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	238358		
63	18.7	0.0	33.6	
88	15.7	0.0	28.4	

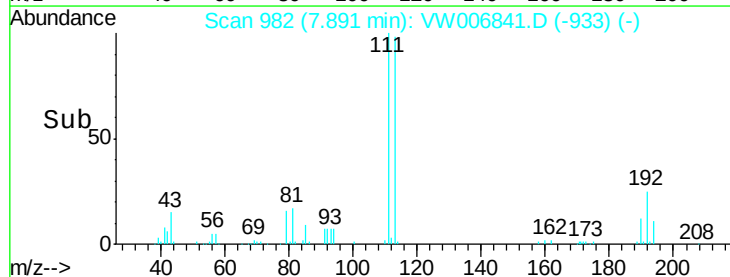
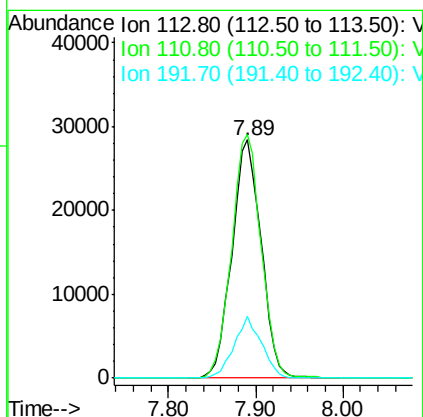
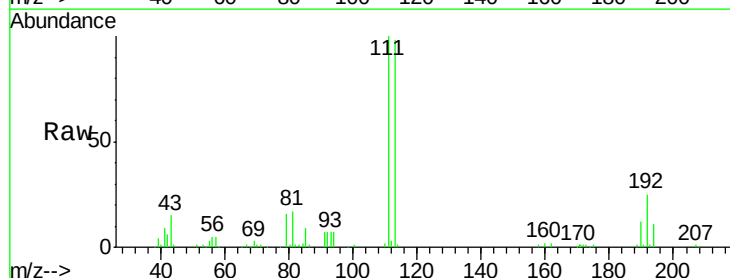
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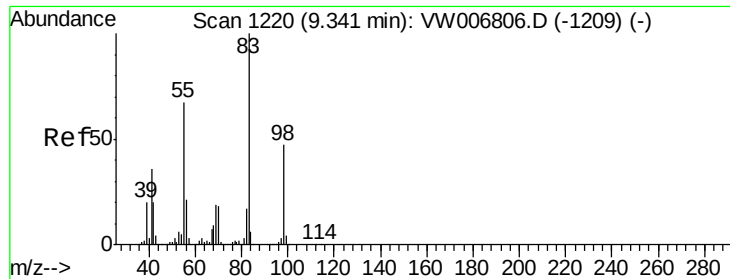
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#35
 Dibromofluoromethane
 Concen: 46.584 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	66119		
111	103.2	81.0	121.6	
192	24.1	19.0	28.6	





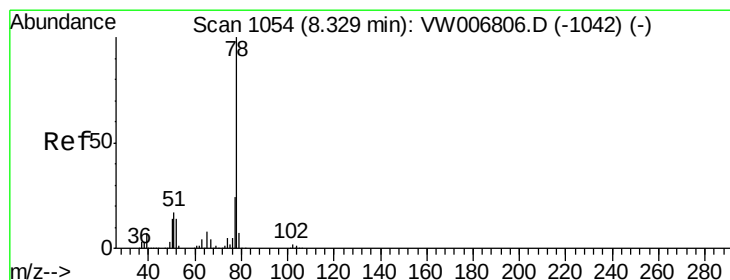
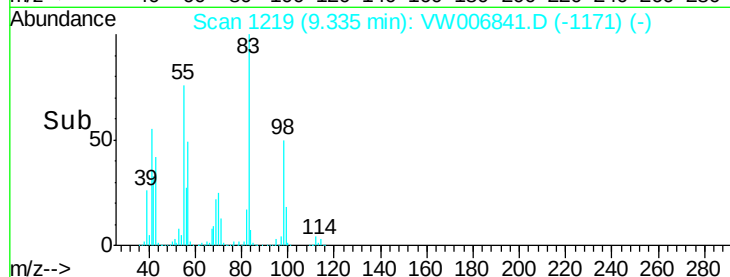
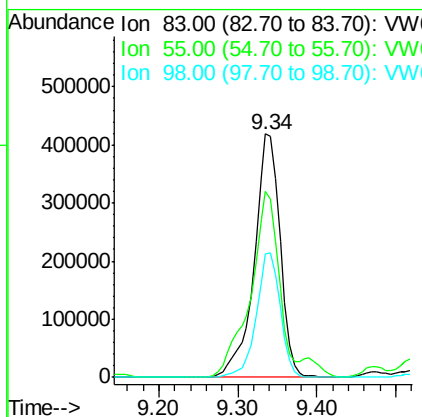
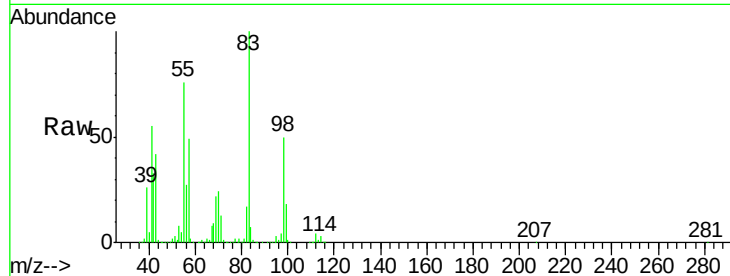
#39
Methylcyclohexane
Concen: 331.081 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.2	53.3	79.9
98	50.4	37.9	56.9

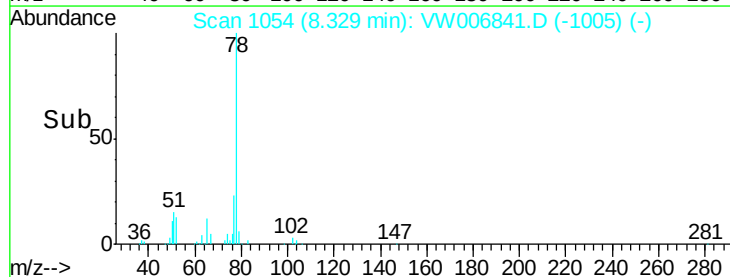
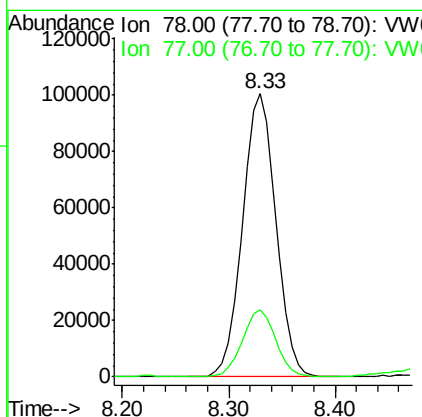
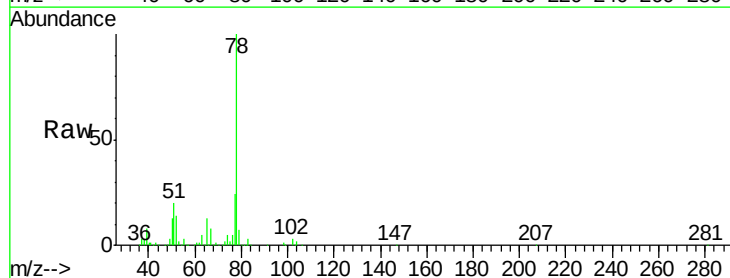
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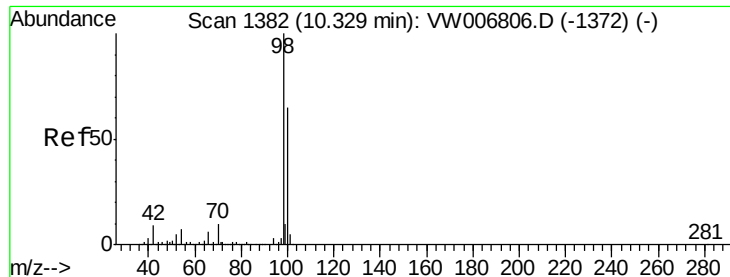
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#40
Benzene
Concen: 35.706 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





#50

Toluene-d8

Concen: 40.470 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-106(2-4)

Tgt Ion: 98 Resp: 238084

Ion Ratio Lower Upper

98 100

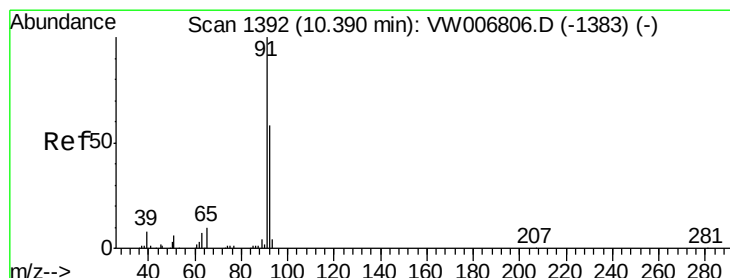
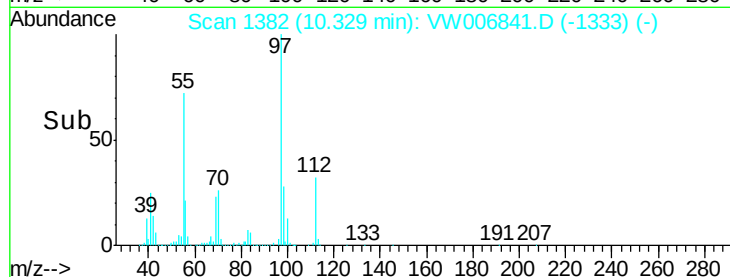
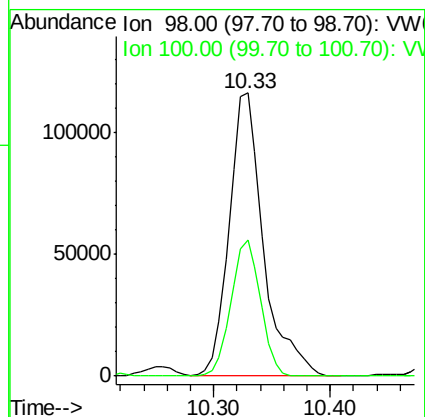
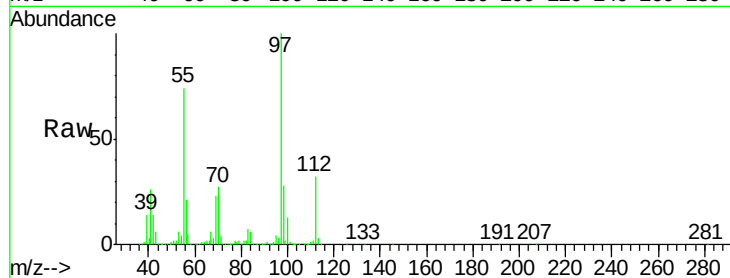
100 41.4 51.4 77.2#

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#52

Toluene

Concen: 108.284 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006841.D

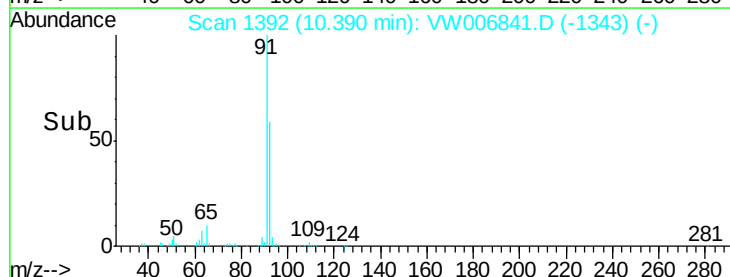
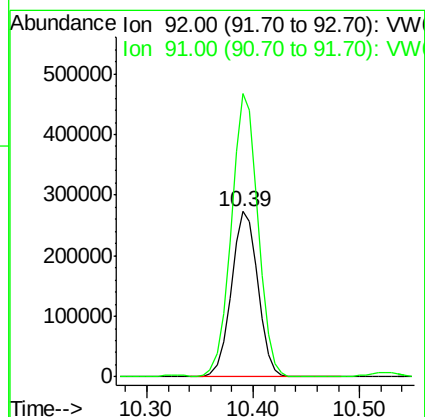
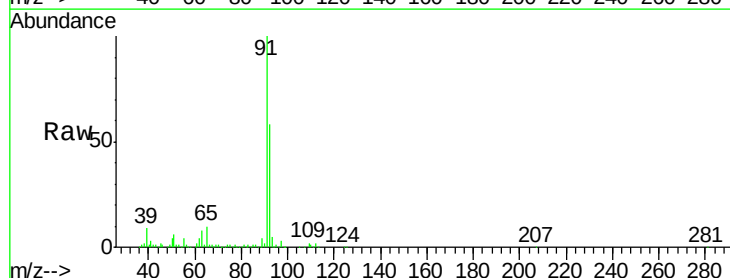
Acq: 13 Nov 2018 07:51

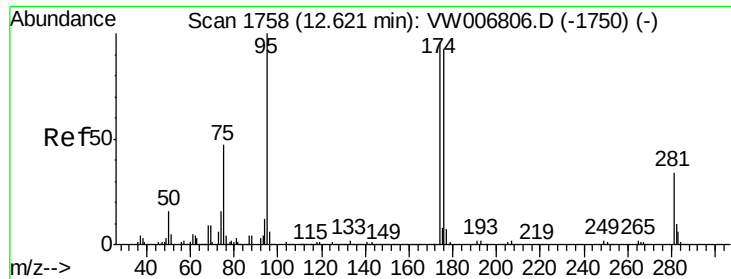
Tgt Ion: 92 Resp: 476145

Ion Ratio Lower Upper

92 100

91 170.7 139.4 209.2





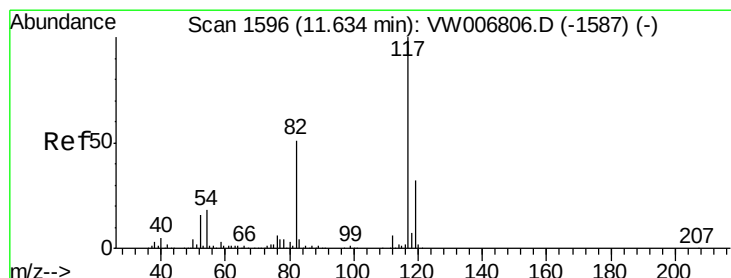
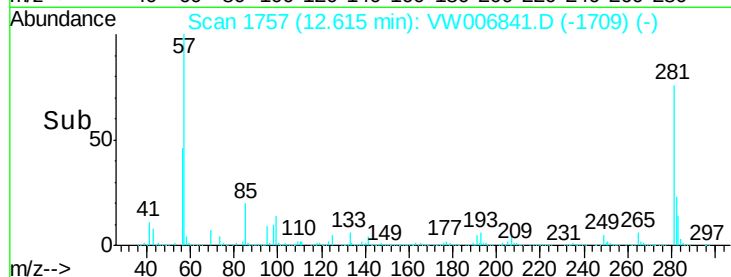
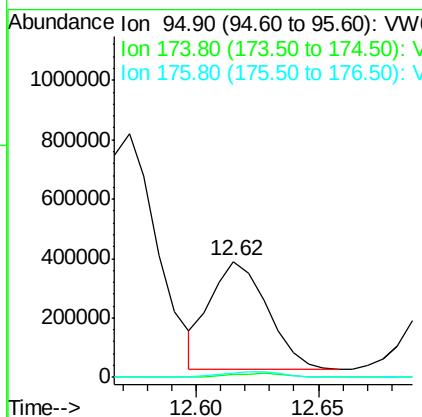
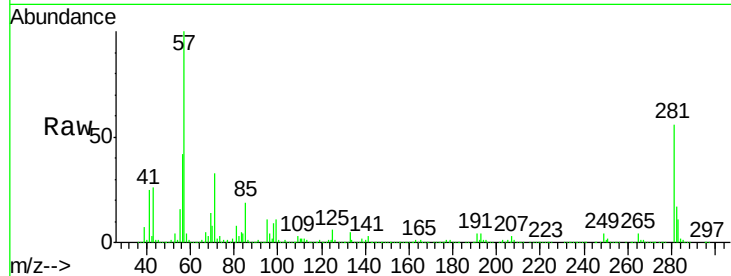
#62
4-Bromofluorobenzene
Concen: 274.583 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-106(2-4)

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	594962		
174	3.5	0.0	196.6	
176	5.8	0.0	191.6	

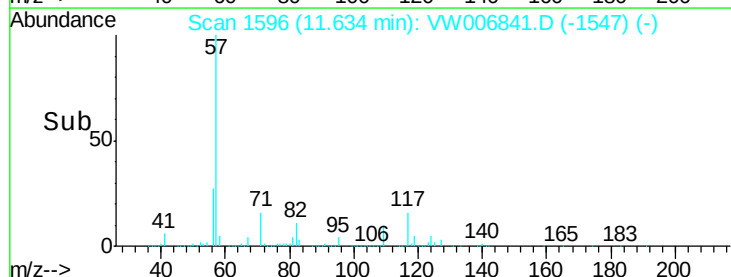
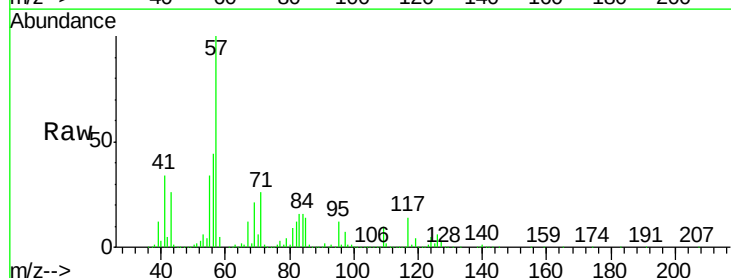
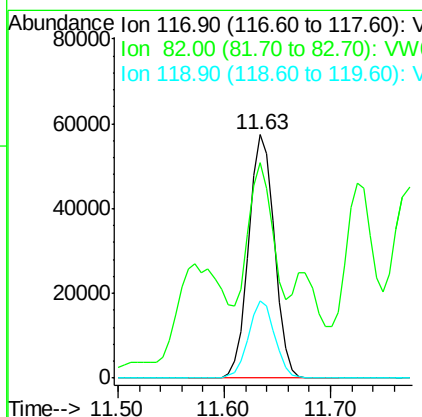
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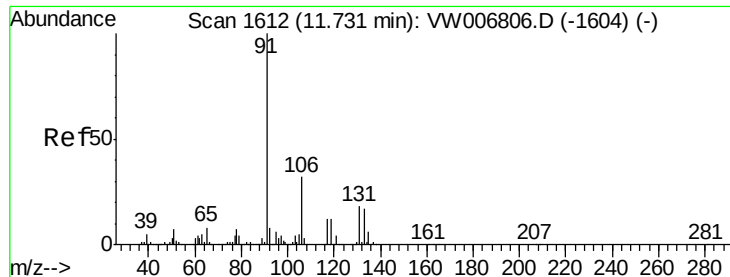
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	97574		
82	61.5	40.6	61.0#	
119	31.6	25.5	38.3	





#67

Ethyl Benzene

Concen: 551.345 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-106(2-4)

Tgt Ion: 91 Resp: 2034633

Ion Ratio Lower Upper

91 100

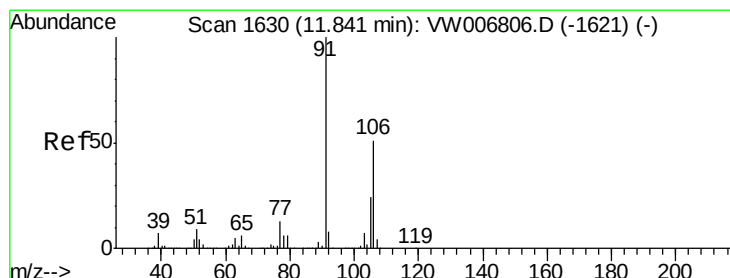
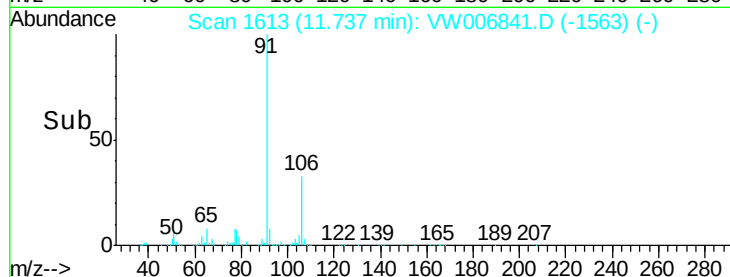
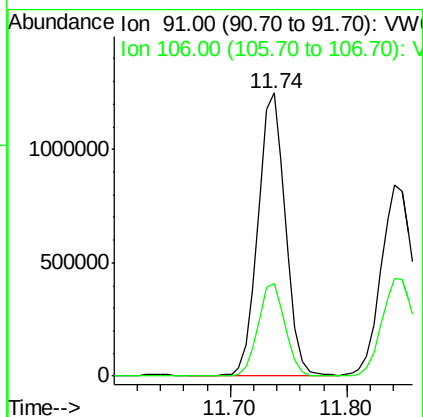
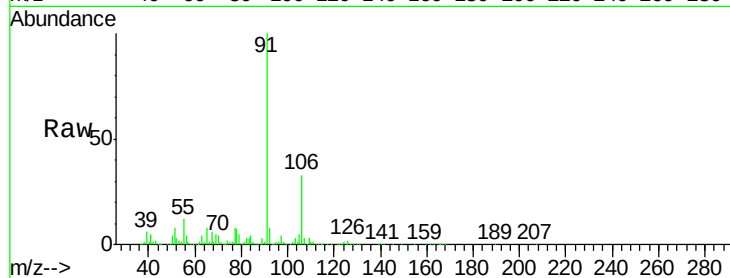
106 32.7 25.4 38.0

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#68

m/p-Xylenes

Concen: 551.274 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW006841.D

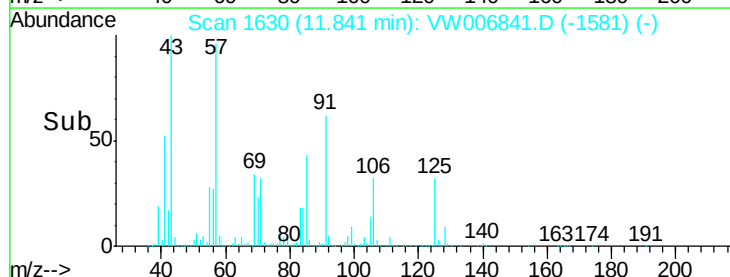
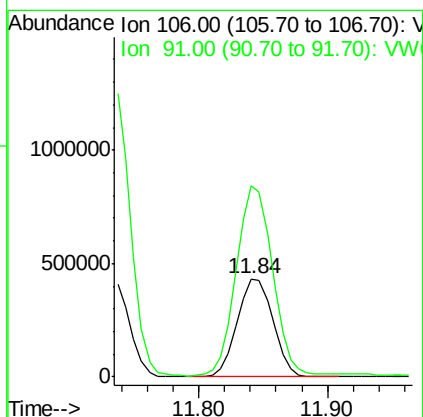
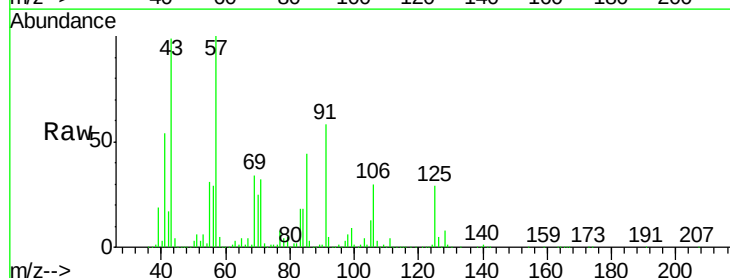
Acq: 13 Nov 2018 07:51

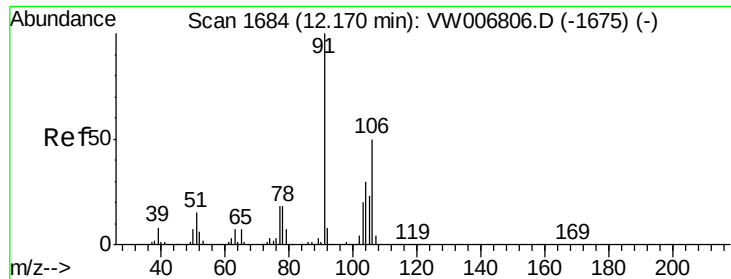
Tgt Ion: 106 Resp: 832366

Ion Ratio Lower Upper

106 100

91 196.8 155.7 233.5





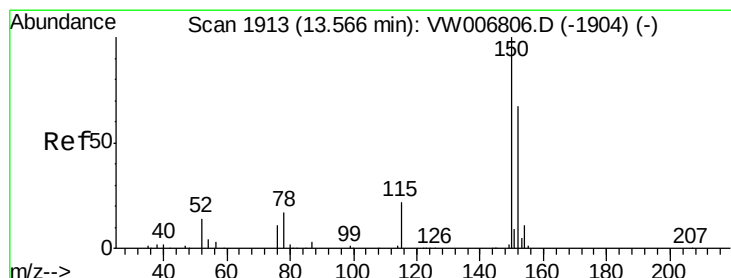
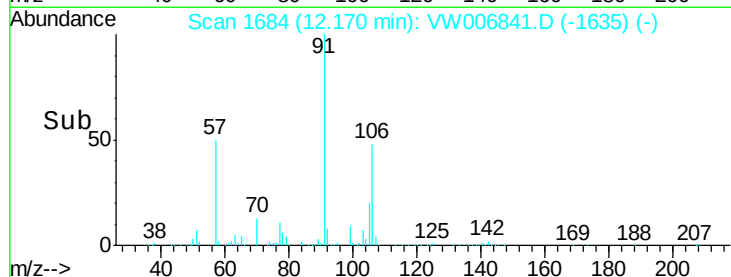
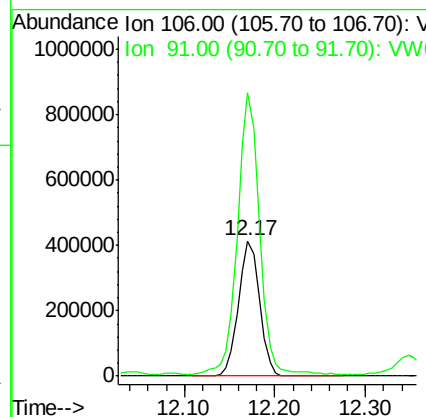
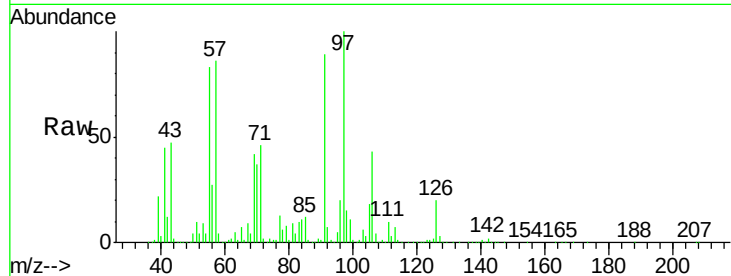
#69
o-Xylene
Concen: 472.975 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-106(2-4)

Tgt Ion:106 Resp: 664641
Ion Ratio Lower Upper
106 100
91 219.5 101.9 305.7

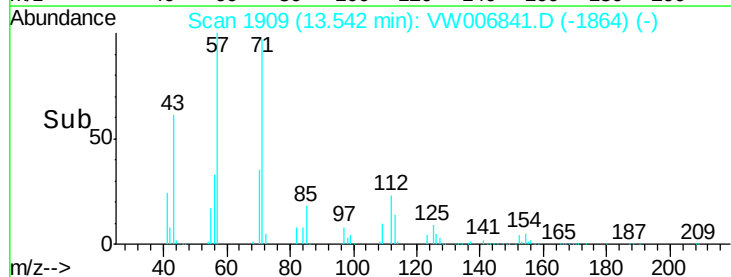
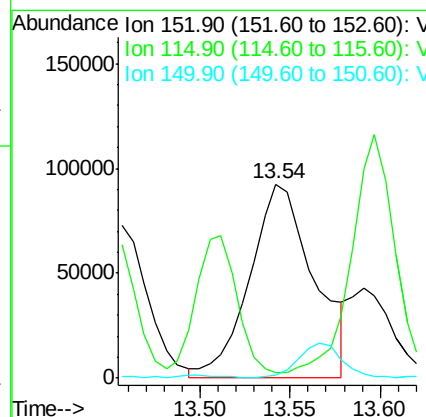
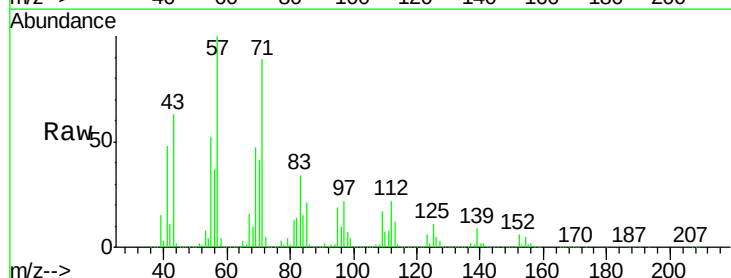
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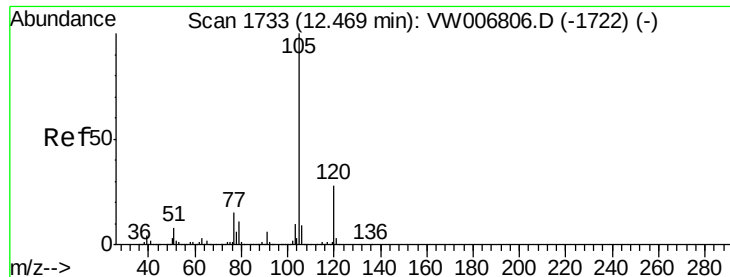
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 13.54 min Scan# 1909
Delta R.T. -0.02 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion:152 Resp: 230436
Ion Ratio Lower Upper
152 100
115 13.1 27.3 81.8#
150 0.8 0.0 353.0





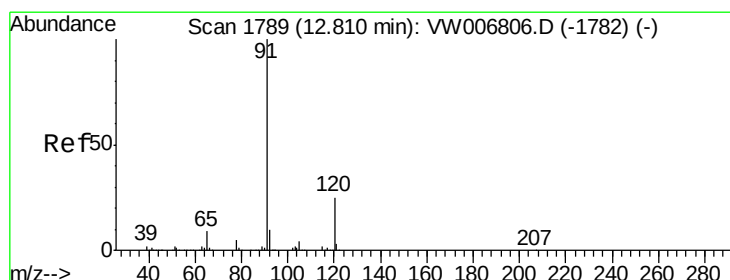
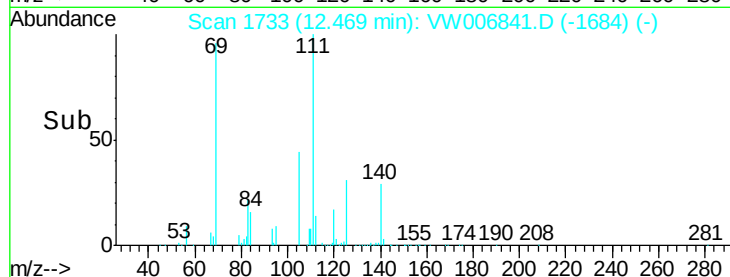
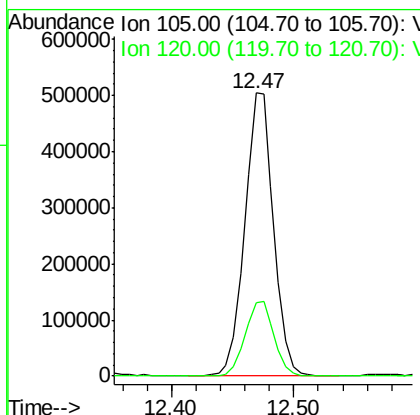
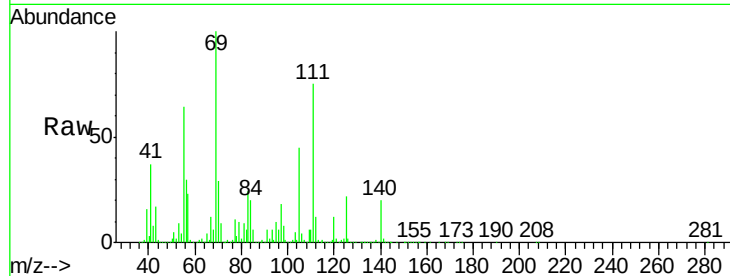
#73
Isopropylbenzene
Concen: 50.740 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-106(2-4)

Tgt Ion: 105 Resp: 811614
Ion Ratio Lower Upper
105 100
120 26.8 14.0 42.0

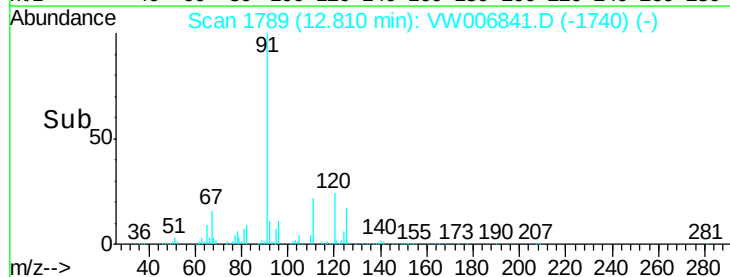
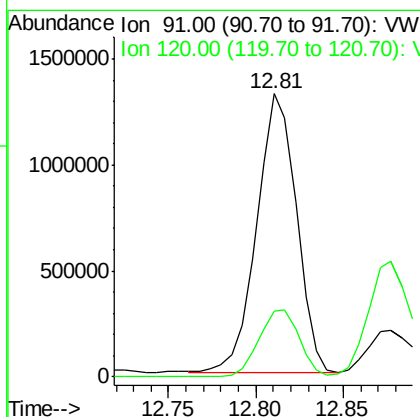
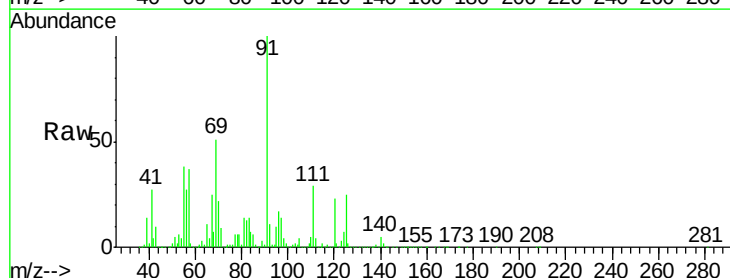
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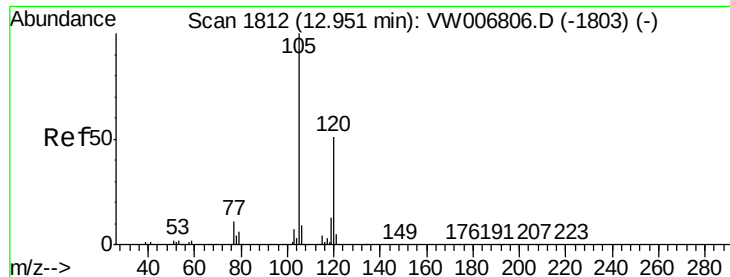
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#78
n-propylbenzene
Concen: 110.539 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006841.D
Acq: 13 Nov 2018 07:51

Tgt Ion: 91 Resp: 2086799
Ion Ratio Lower Upper
91 100
120 24.6 12.4 37.4





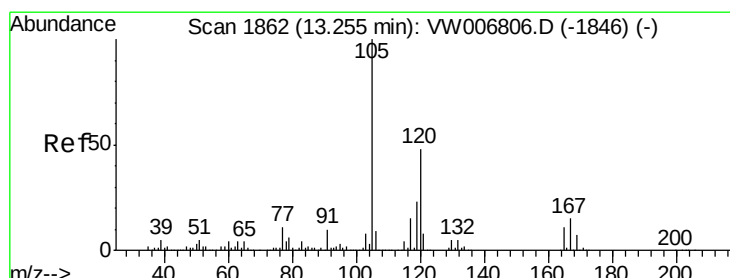
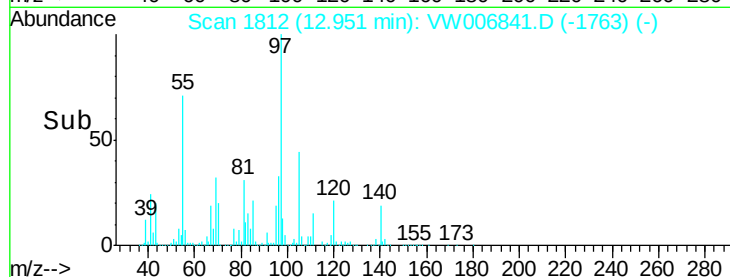
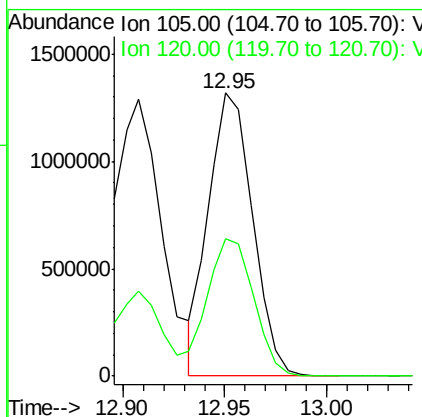
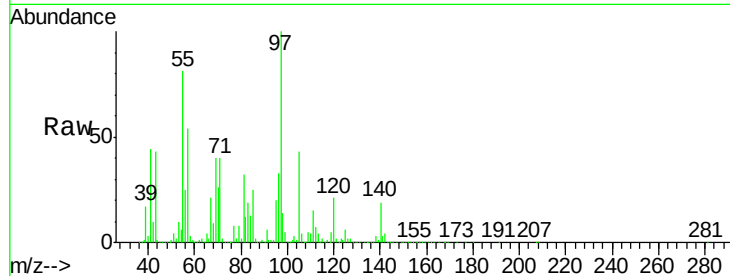
#80
 1,3,5-Trimethylbenzene
 Concen: 142.956 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-106(2-4)

Tgt Ion:105 Resp: 1965729
 Ion Ratio Lower Upper
 105 100
 120 52.6 25.3 75.9

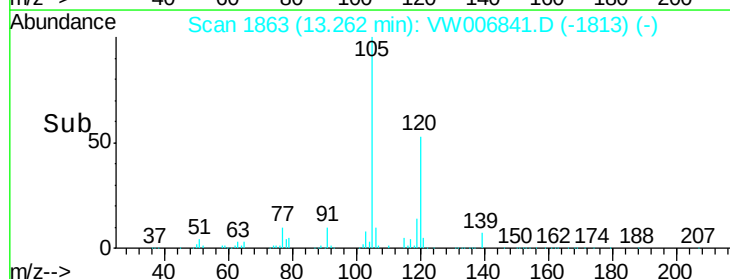
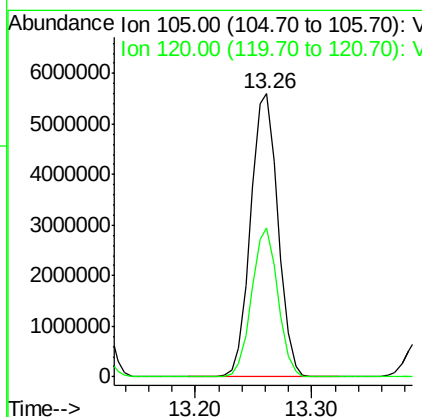
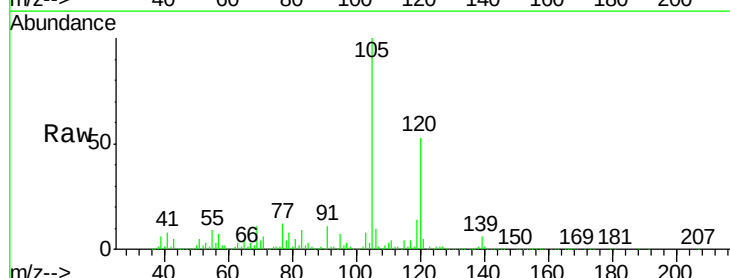
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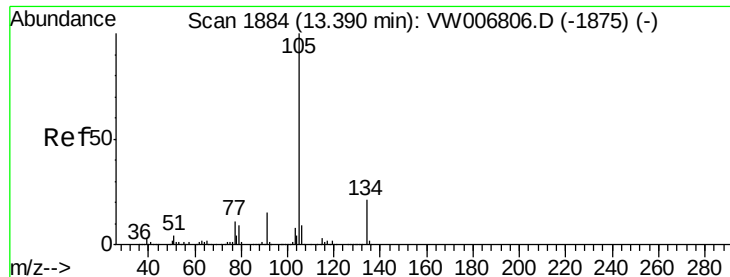
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#84
 1,2,4-Trimethylbenzene
 Concen: 652.956 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW006841.D
 Acq: 13 Nov 2018 07:51

Tgt Ion:105 Resp: 9137231
 Ion Ratio Lower Upper
 105 100
 120 50.3 23.4 70.0





#85

sec-Butylbenzene

Concen: 68.607 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-106(2-4)

Tgt Ion:105 Resp: 1181675

Ion Ratio Lower Upper

105 100

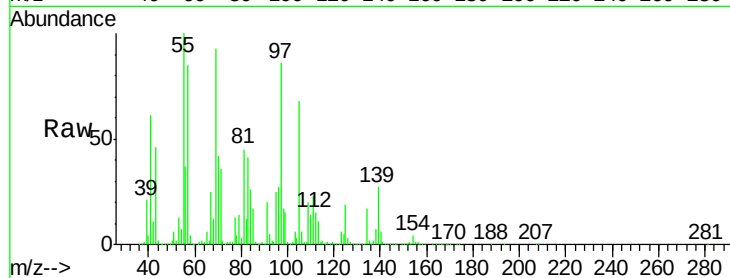
134 37.2 10.7 31.9#

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

5000000

4000000

3000000

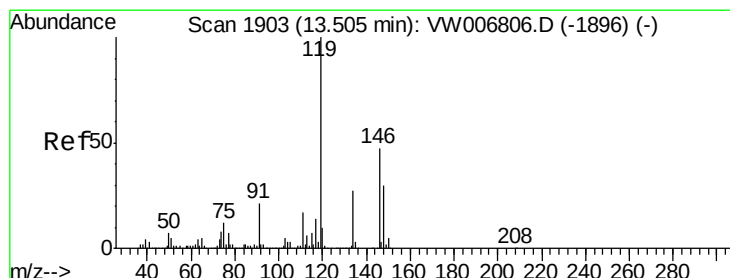
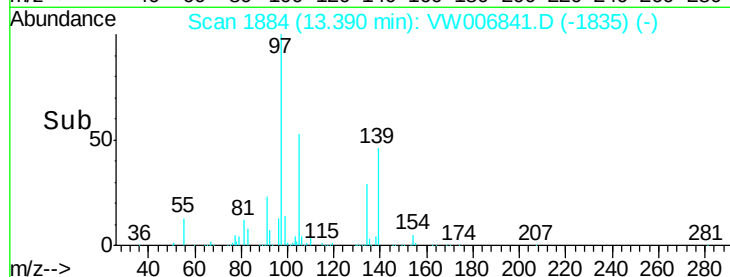
2000000

1000000

0

13.30 13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 97.397 ug/l

RT: 13.51 min Scan# 1904

Delta R.T. 0.01 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

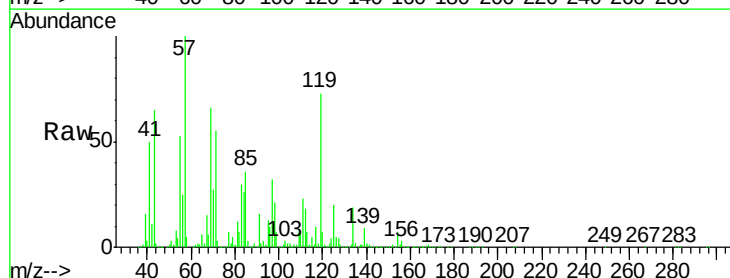
Tgt Ion:119 Resp: 1525879

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.1 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

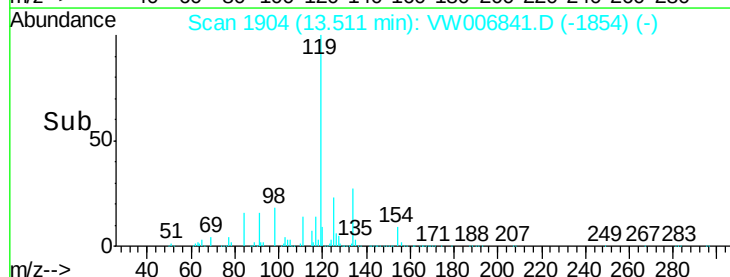
1000000

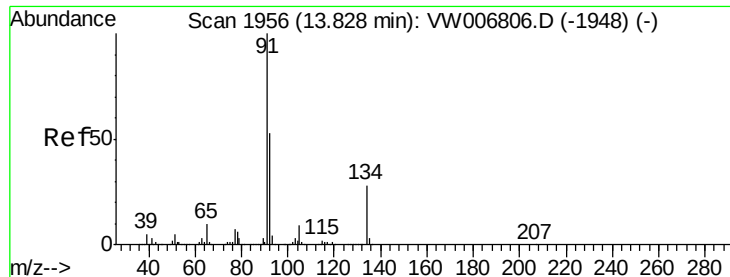
500000

0

13.45 13.50 13.55

Time-->





#89

n-Butylbenzene

Concen: 66.454 ug/l m

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Instrument :

MSVOA_W

ClientSampleId :

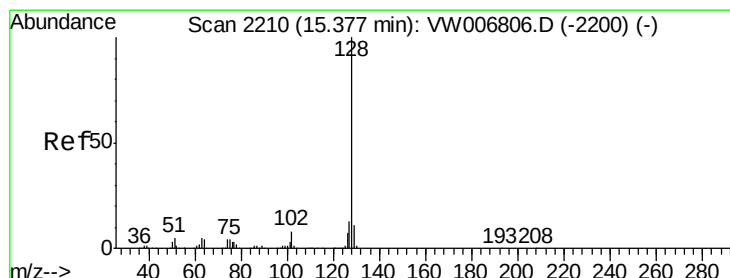
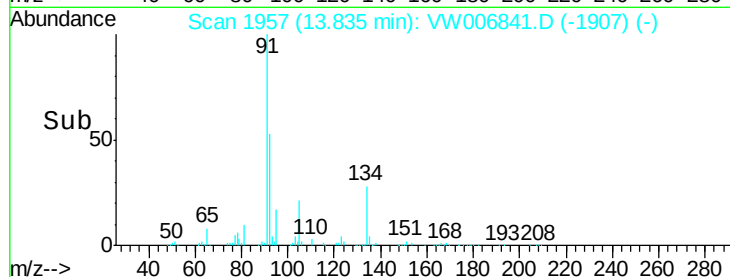
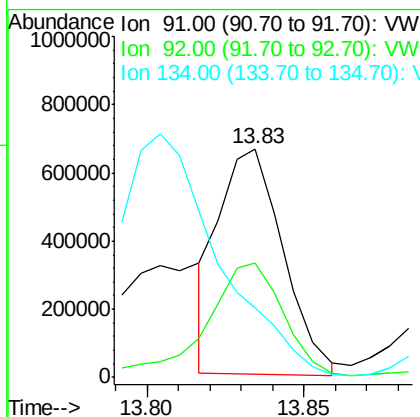
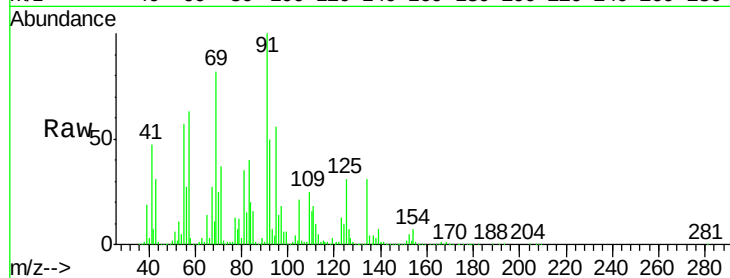
EP2-SB-106(2-4)

Tgt Ion: 91 Resp: 951448
Ion Ratio Lower Upper

91	100		
92	59.3	26.5	79.4
134	0.0	14.4	43.2#

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#95

Naphthalene

Concen: 79.583 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006841.D

Acq: 13 Nov 2018 07:51

Tgt Ion: 128 Resp: 643202
Ion Ratio Lower Upper

128	100		
127	16.0	10.3	15.5#
129	11.5	8.6	13.0

