

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
 Data File : VW006856.D
 Acq On : 13 Nov 2018 16:03
 Operator : SY/AP
 Sample : J5860-23
 Misc : 5.68G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-110(24-28)

Manual Integrations
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Quant Time: Nov 14 05:08:37 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	7.96	168	441904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	616152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	615601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	323565	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	138019	42.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.44%	
35) Dibromofluoromethane	7.89	113	152315	41.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.02%	
50) Toluene-d8	10.33	98	679548	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
62) 4-Bromofluorobenzene	12.62	95	255871	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
Target Compounds						
					Qvalue	
16) Acetone	4.15	43	16157	34.826	ug/l	89
17) Carbon Disulfide	4.39	76	12295	1.165	ug/l	97
20) Methylene Chloride	4.92	84	37444	4.092	ug/l	94
30) Chloroform	7.68	83	25468	3.857	ug/l	96
31) Cyclohexane	7.96	56	13840	2.236	ug/l #	39
39) Methylcyclohexane	9.34	83	34418	4.601	ug/l	93
52) Toluene	10.39	92	16252	1.430	ug/l	95
67) Ethyl Benzene	11.74	91	744897	31.994	ug/l	98
68) m/p-Xylenes	11.85	106	358069	37.588	ug/l	99
73) Isopropylbenzene	12.47	105	117400	5.227	ug/l	100
78) n-propylbenzene	12.81	91	760514	28.690	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	918791	47.586	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	4215149	214.522	ug/l	98
85) sec-Butylbenzene	13.39	105	89131m	3.685	ug/l	
86) p-Isopropyltoluene	13.51	119	58570	2.663	ug/l	99
89) n-Butylbenzene	13.83	91	294315m	14.640	ug/l	
95) Naphthalene	15.38	128	1747257	153.964	ug/l	99

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

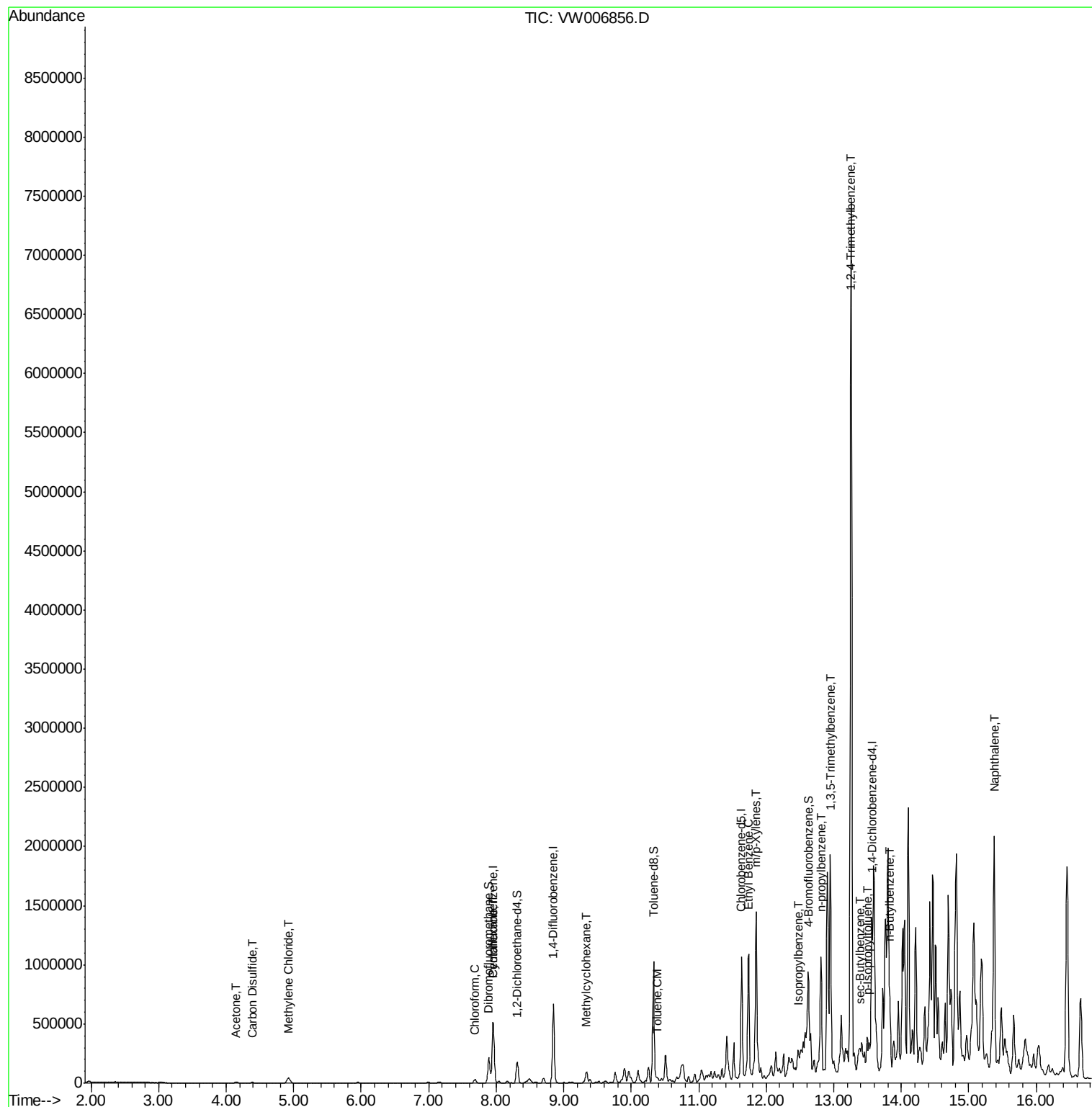
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006856.D
Acq On : 13 Nov 2018 16:03
Operator : SY/AP
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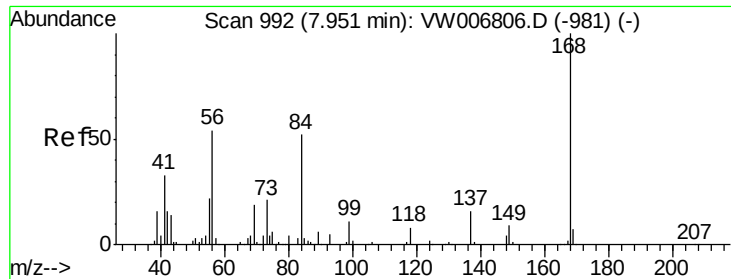
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(24-28)

Manual Integrations
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Quant Time: Nov 14 05:08:37 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: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006856.D

Acq: 13 Nov 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(24-28)

Tot Ion:168 Resp: 441904

Ion Ratio Lower Upper

168 100

99 44.2

37.3

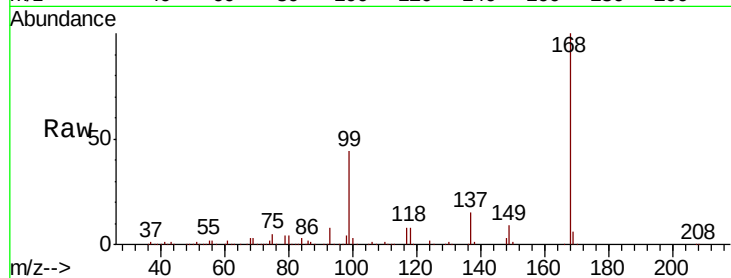
55.9

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

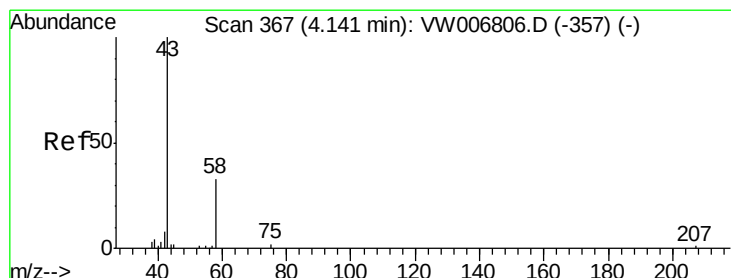
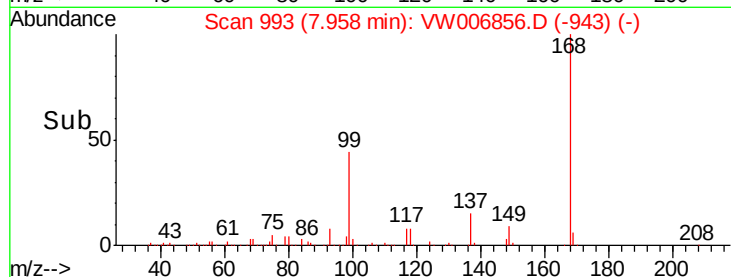
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 34.826 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006856.D

Acq: 13 Nov 2018 16:03

Tgt Ion: 43 Resp: 16157

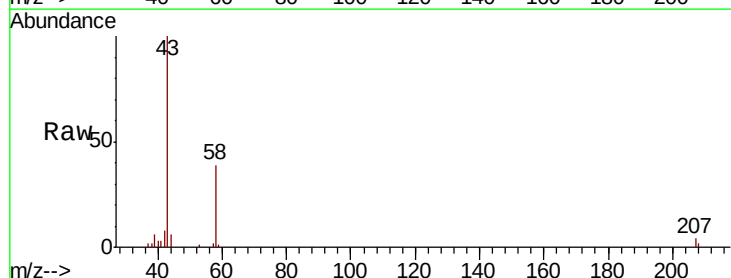
Ion Ratio Lower Upper

43 100

58 39.1

26.5

39.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

5000

4000

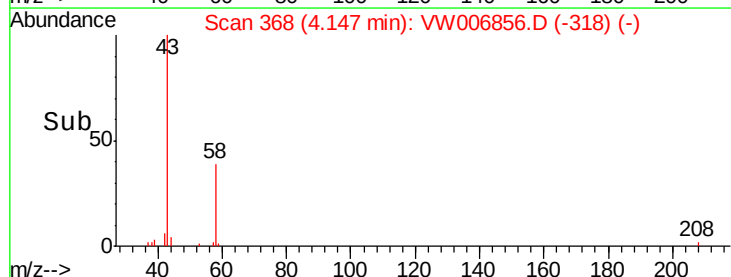
3000

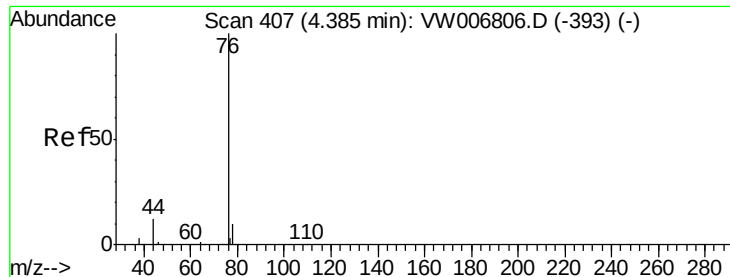
2000

1000

0

Time-->





#17

Carbon Disulfide

Concen: 1.165 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006856.D

Acq: 13 Nov 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(24-28)

Tot Ion: 76 Resp: 12295

Ion Ratio Lower Upper

76 100

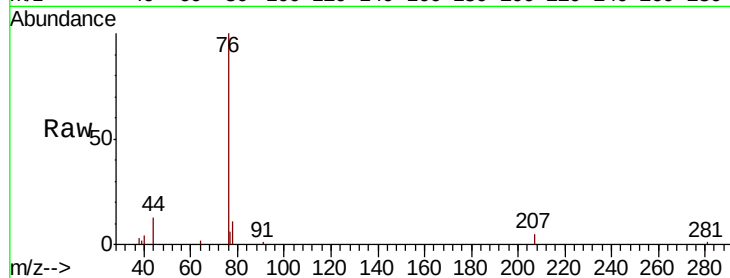
78 10.6 7.6 11.4

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

4000

3000

2000

1000

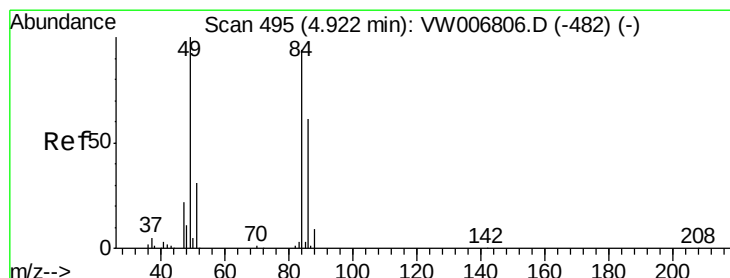
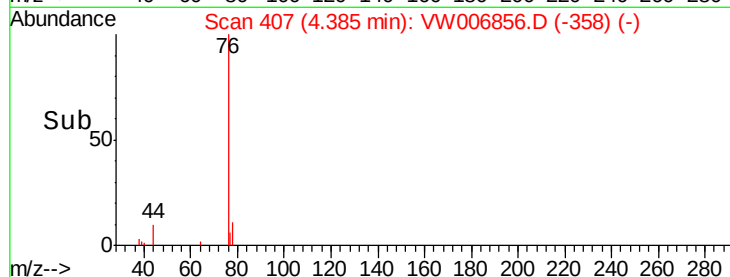
0

4.30

4.40

4.50

Time-->



#20

Methylene Chloride

Concen: 4.092 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW006856.D

Acq: 13 Nov 2018 16:03

Tgt Ion: 84 Resp: 37444

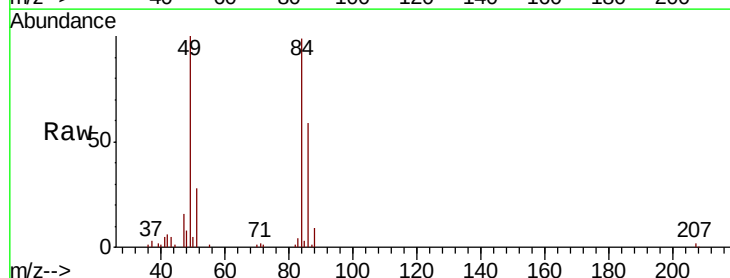
Ion Ratio Lower Upper

84 100

49 101.2 84.8 127.2

51 28.8 26.2 39.4

86 59.3 51.8 77.8



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

4.92

15000

10000

5000

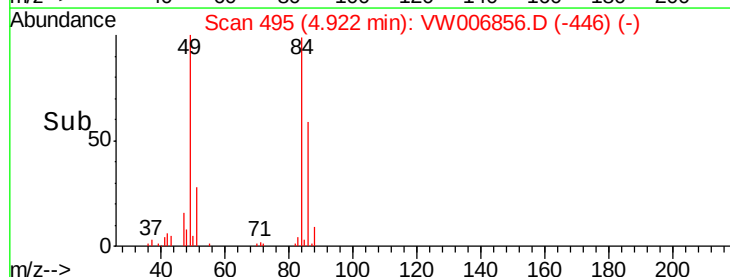
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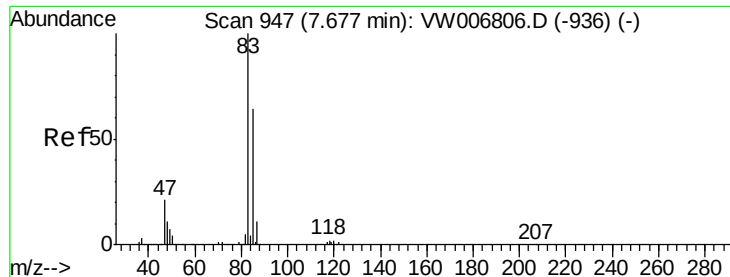
4.80

4.90

5.00

Time-->





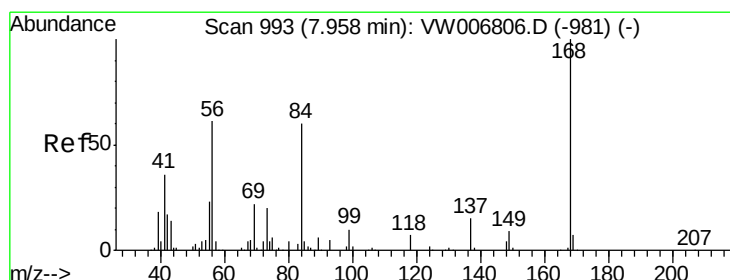
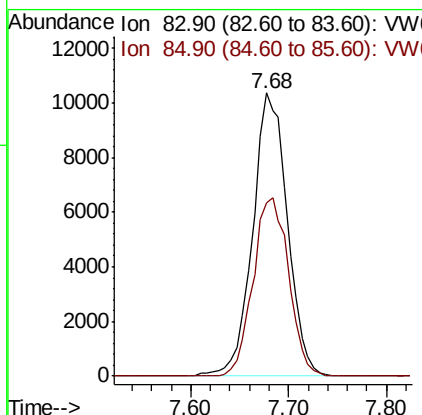
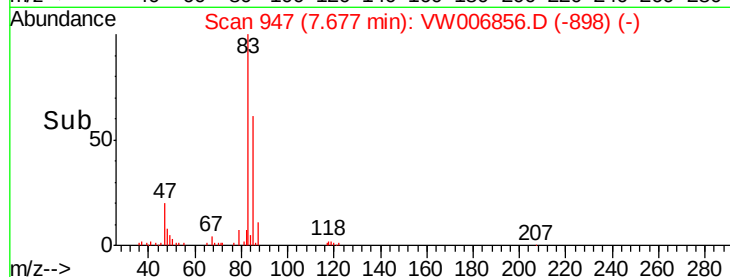
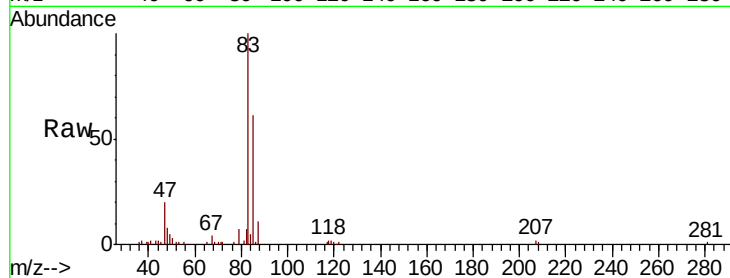
#30
Chloroform
Concen: 3.857 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006856.D
Acq: 13 Nov 2018 16:03

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(24-28)

Tot Ion: 83 Resp: 25468
Ion Ratio Lower Upper
83 100
85 61.0 51.5 77.3

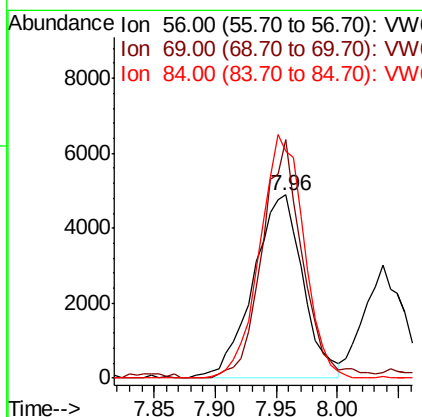
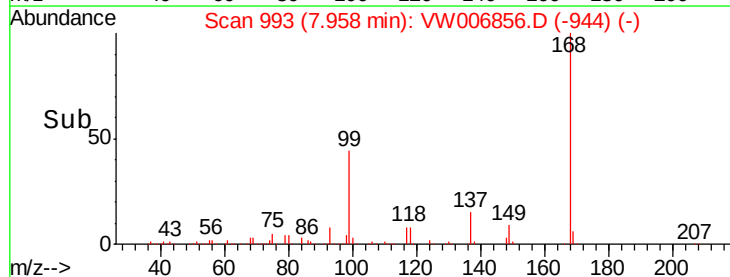
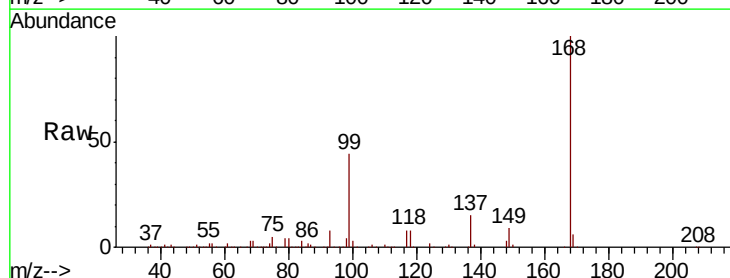
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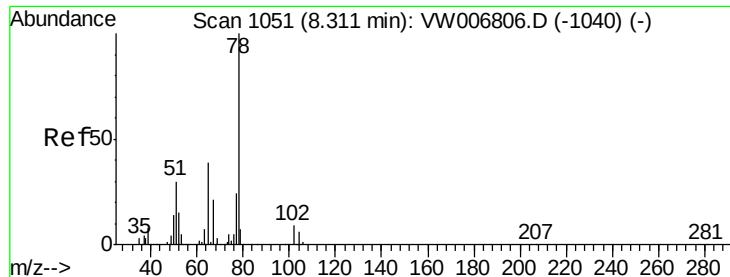
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#31
Cyclohexane
Concen: 2.236 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006856.D
Acq: 13 Nov 2018 16:03

Tgt Ion: 56 Resp: 13840
Ion Ratio Lower Upper
56 100
69 129.9 28.9 43.3#
84 123.5 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 42.725 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006856.D

Acq: 13 Nov 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(24-28)

Tot Ion: 65 Resp: 138019

Ion Ratio Lower Upper

65 100

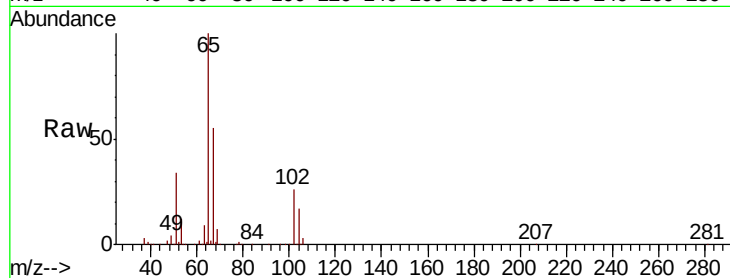
67 54.1 0.0 104.4

Manual Integrations

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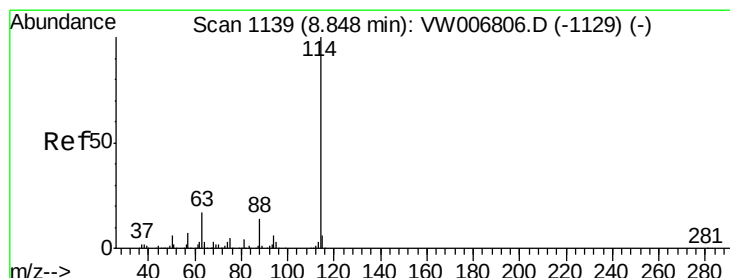
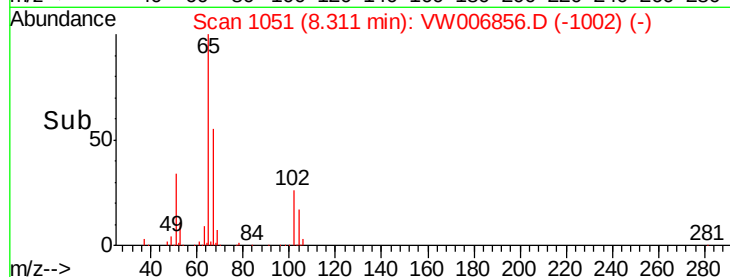
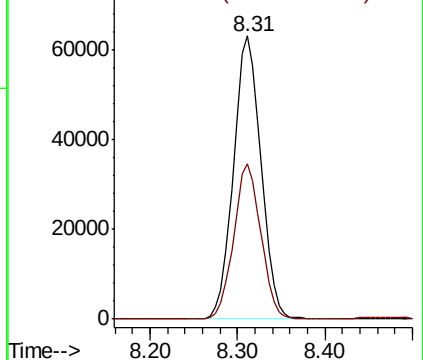
apatel

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006856.D

Acq: 13 Nov 2018 16:03

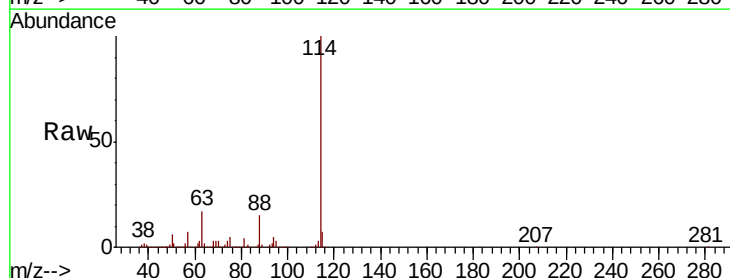
Tgt Ion: 114 Resp: 616152

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.6

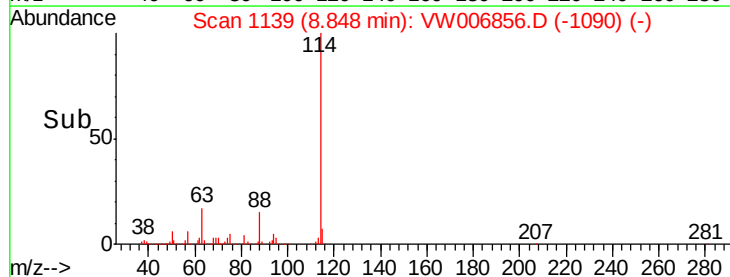
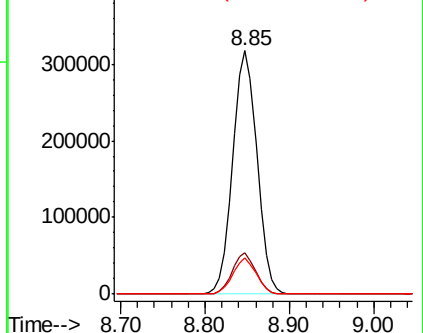
88 14.6 0.0 28.4

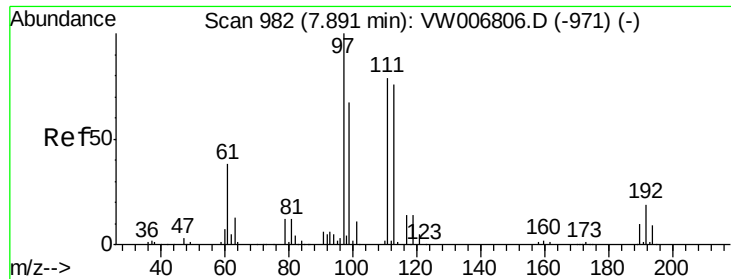


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





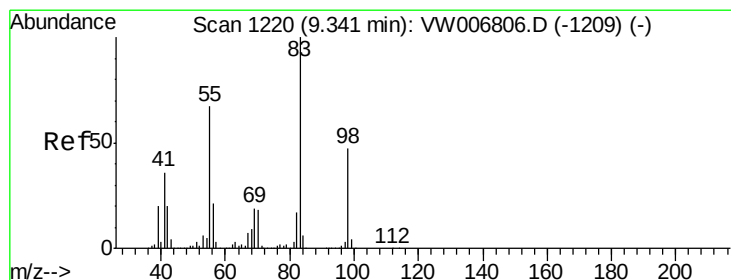
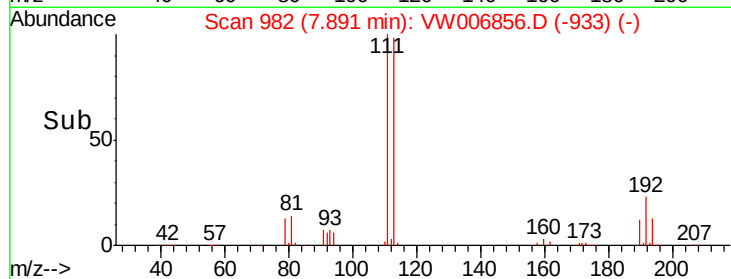
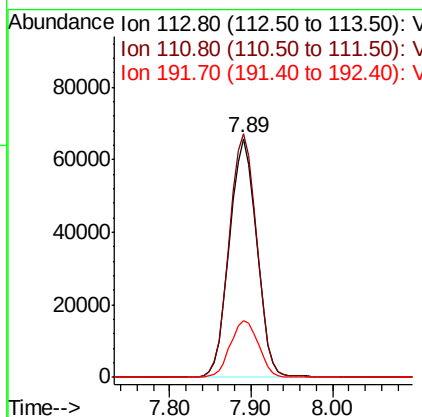
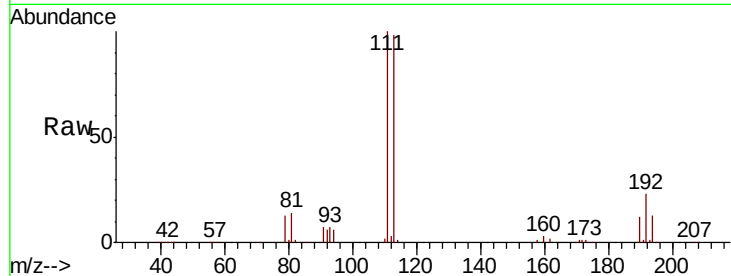
#35
 Dibromofluoromethane
 Concen: 41.514 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006856.D
 Acq: 13 Nov 2018 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-110(24-28)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152315		
111	102.9	81.0	121.6	
192	24.5	19.0	28.6	

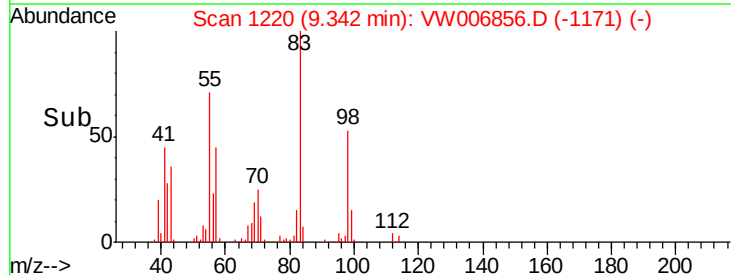
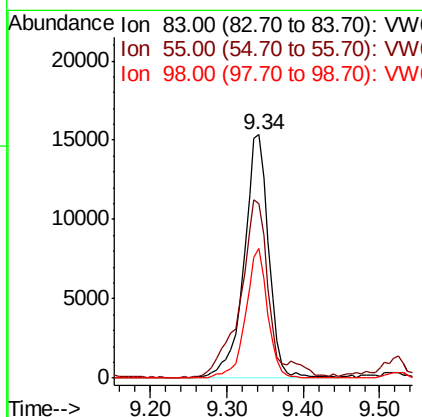
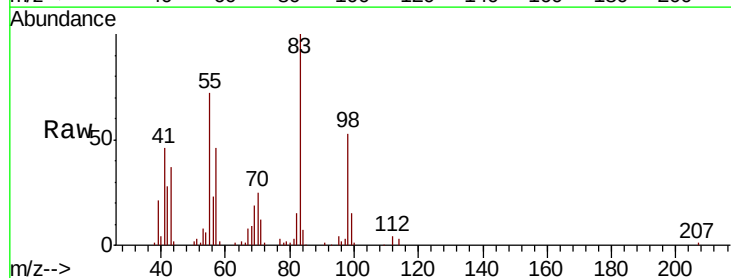
Manual Integrations
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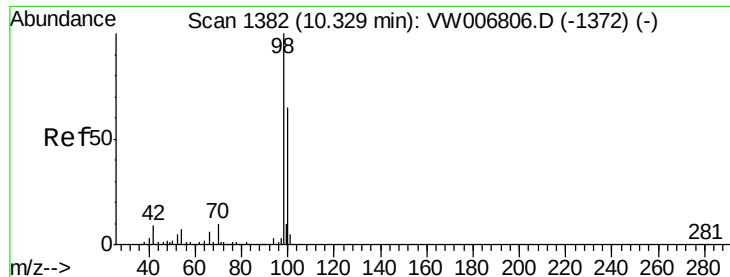
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#39
 Methylcyclohexane
 Concen: 4.601 ug/l
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW006856.D
 Acq: 13 Nov 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	34418		
55	71.5	53.3	79.9	
98	53.2	37.9	56.9	





#50

Toluene-d8

Concen: 44.685 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006856.D

Acq: 13 Nov 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(24-28)

Tot Ion: 98 Resp: 679548

Ion Ratio Lower Upper

98 100

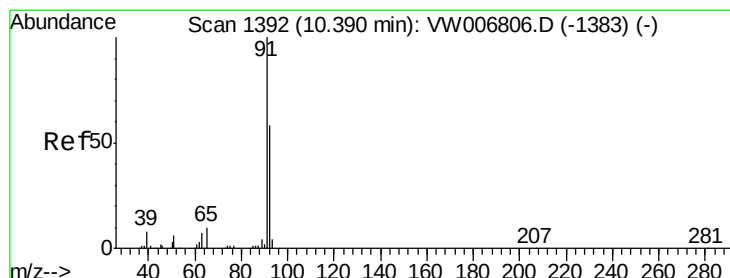
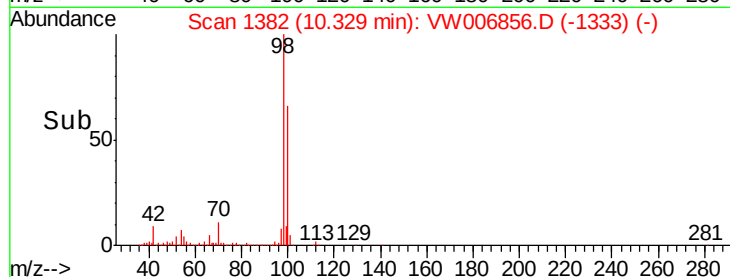
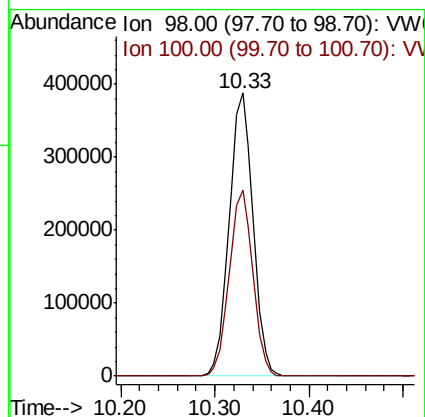
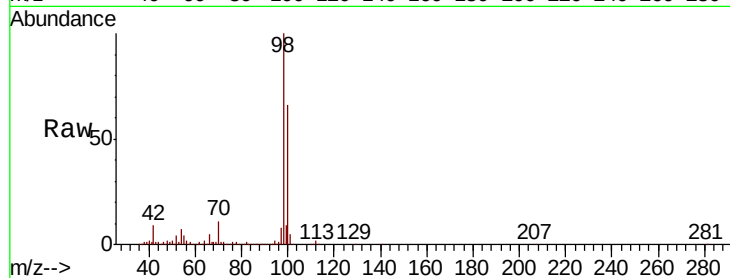
100 64.9 51.4 77.2

Manual Integrations

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#52

Toluene

Concen: 1.430 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006856.D

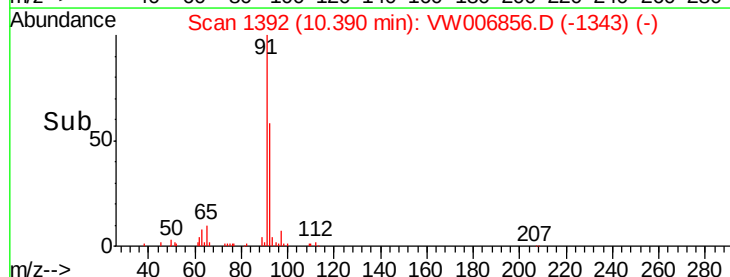
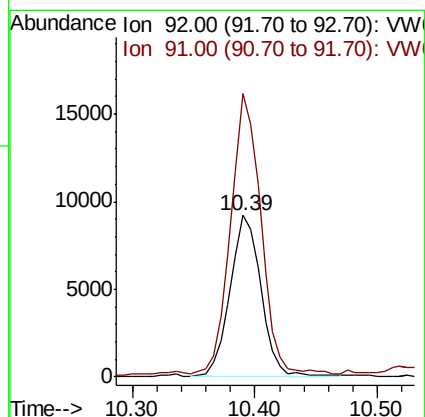
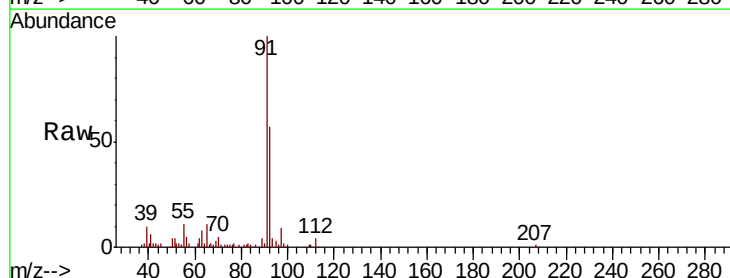
Acq: 13 Nov 2018 16:03

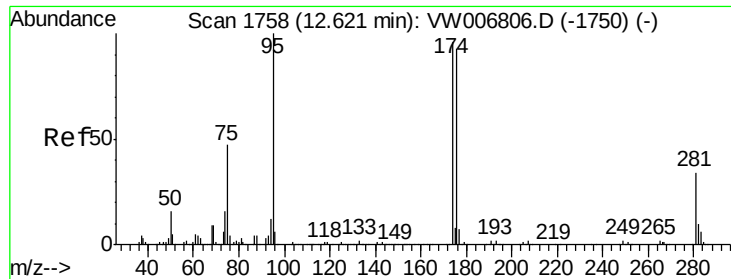
Tgt Ion: 92 Resp: 16252

Ion Ratio Lower Upper

92 100

91 167.8 139.4 209.2





#62

4-Bromofluorobenzene

Concen: 45.682 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006856.D

Acq: 13 Nov 2018 16:03

Instrument :

MSVOA_W

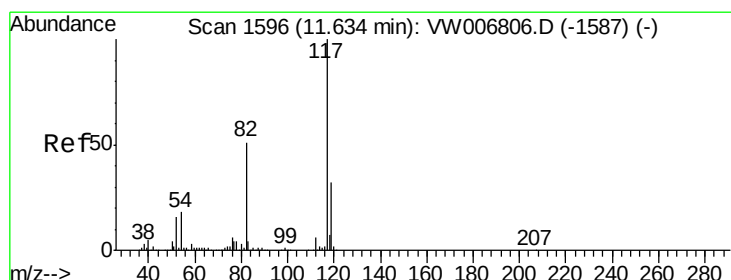
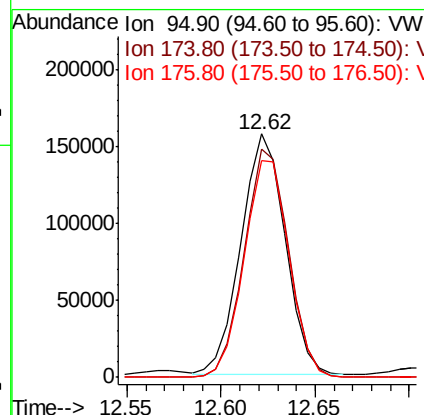
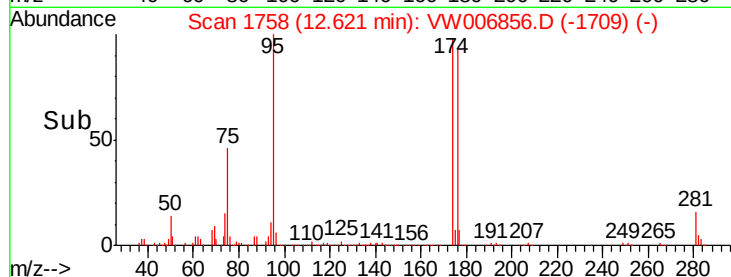
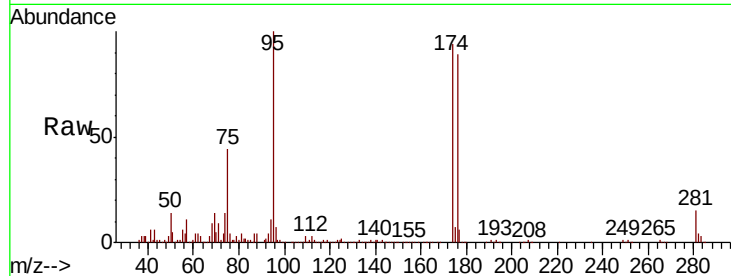
ClientSampleId :

EP2-SB-110(24-28)

Tot Ion:	95	Resp:	255871
Ion Ratio	Lower	Upper	
95	100		
174	94.2	0.0	196.6
176	91.4	0.0	191.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

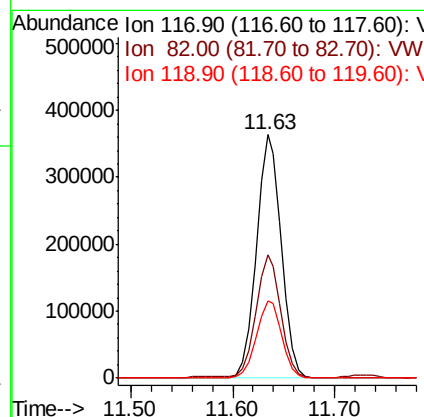
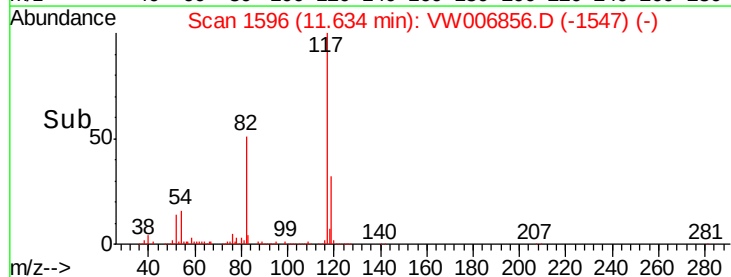
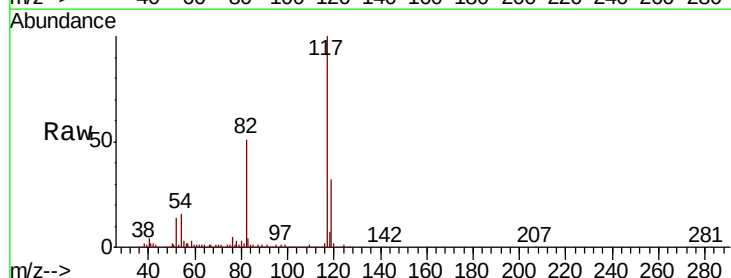
RT: 11.63 min Scan# 1596

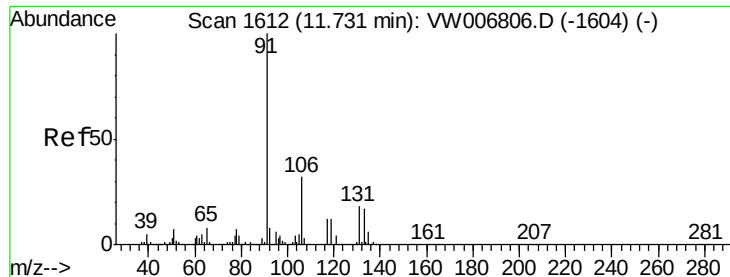
Delta R.T. 0.00 min

Lab File: VW006856.D

Acq: 13 Nov 2018 16:03

Tgt Ion:	117	Resp:	615601
Ion Ratio	Lower	Upper	
117	100		
82	50.4	40.6	61.0
119	31.8	25.5	38.3





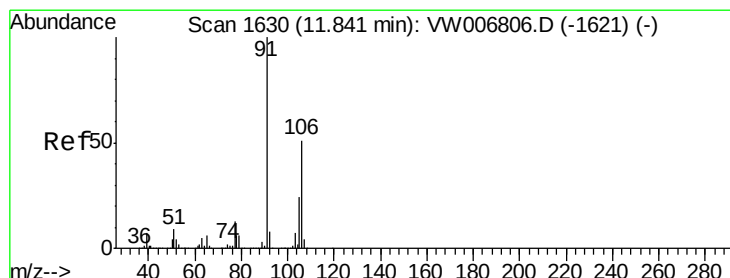
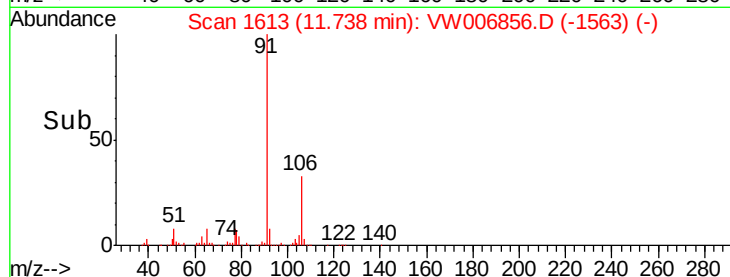
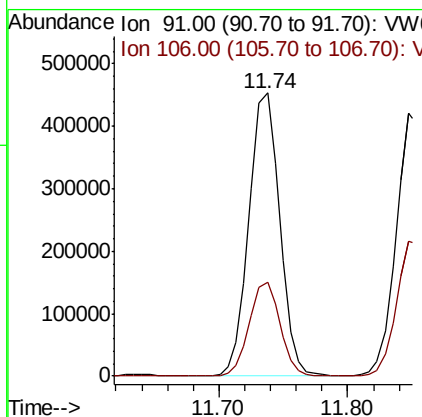
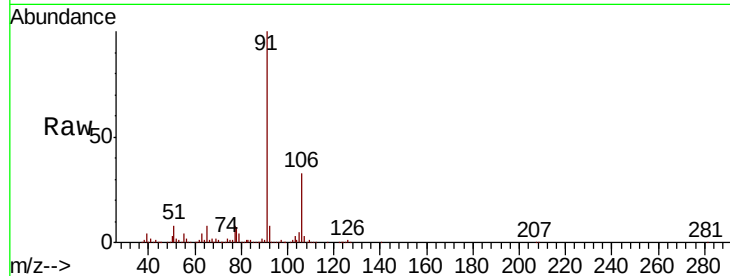
#67
Ethyl Benzene
Concen: 31.994 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006856.D
Acq: 13 Nov 2018 16:03

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(24-28)

Tot Ion: 91 Resp: 744897
Ion Ratio Lower Upper
91 100
106 33.0 25.4 38.0

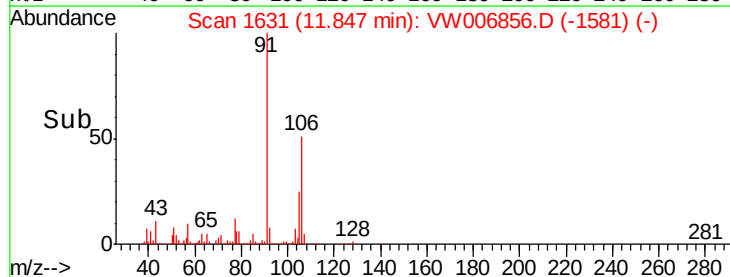
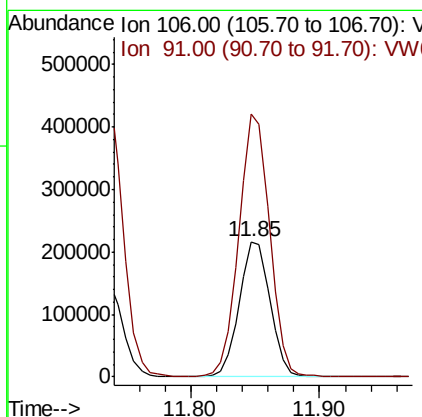
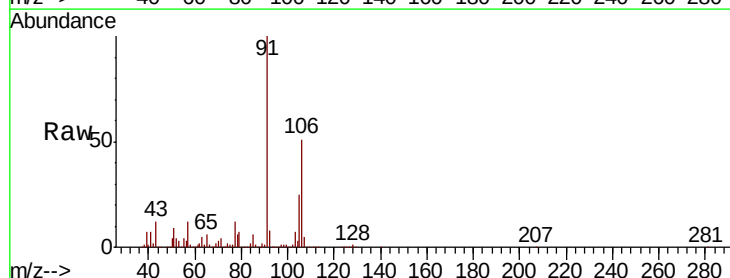
Manual Integrations
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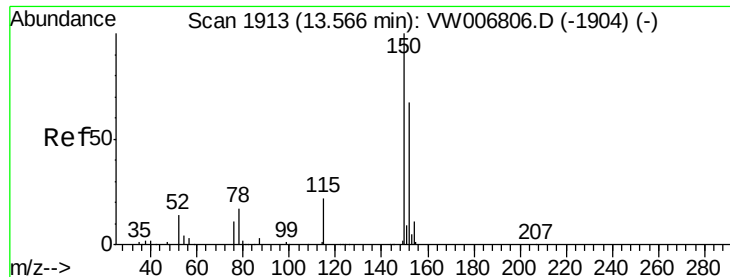
apatel
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#68
m/p-Xylenes
Concen: 37.588 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006856.D
Acq: 13 Nov 2018 16:03

Tgt Ion: 106 Resp: 358069
Ion Ratio Lower Upper
106 100
91 192.6 155.7 233.5





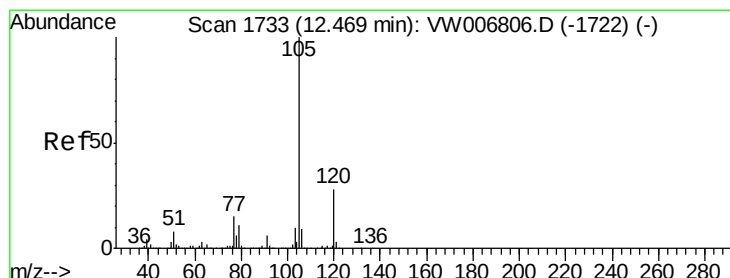
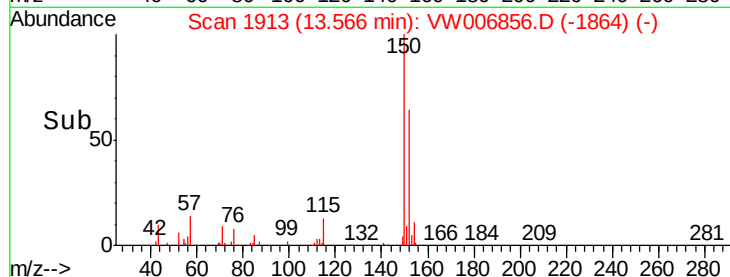
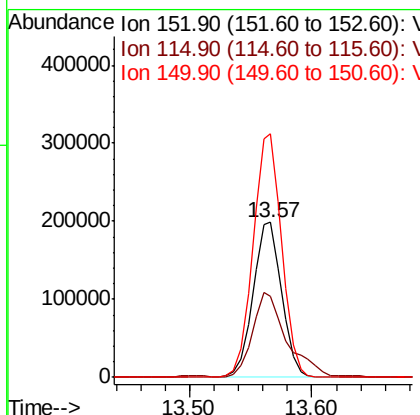
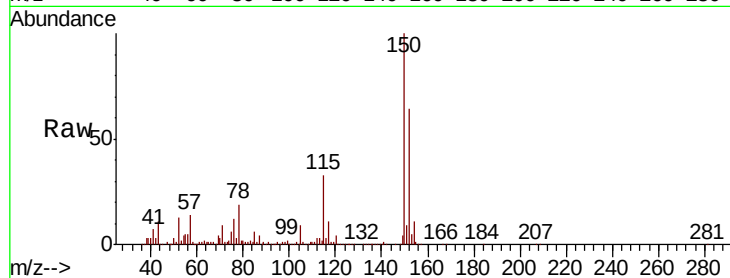
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW006856.D
 Acq: 13 Nov 2018 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-110(24-28)

Tot Ion	Ratio	Lower	Upper
152	100		
115	66.4	27.3	81.8
150	156.3	0.0	353.0

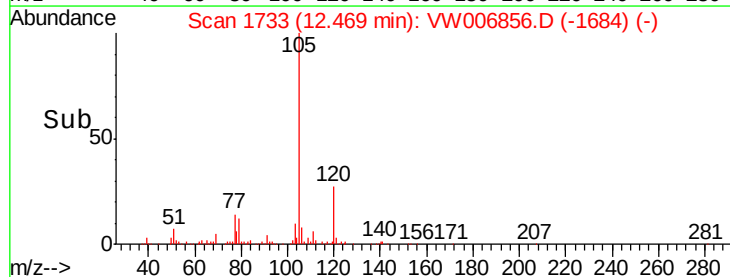
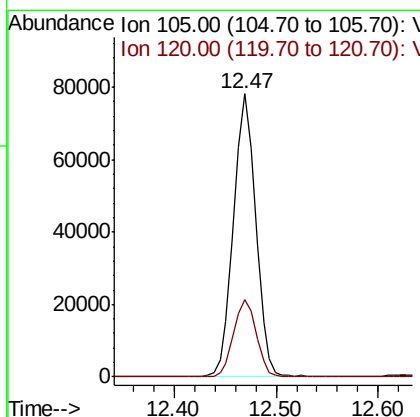
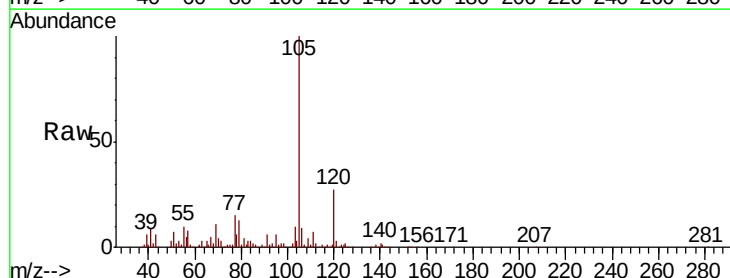
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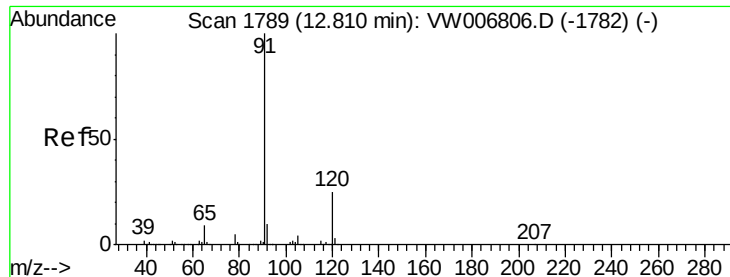
apatel
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#73
 Isopropylbenzene
 Concen: 5.227 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. 0.00 min
 Lab File: VW006856.D
 Acq: 13 Nov 2018 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	14.0	42.0





#78

n-propylbenzene

Concen: 28.690 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006856.D

Acq: 13 Nov 2018 16:03

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(24-28)

Tot Ion: 91 Resp: 760514

Ion Ratio Lower Upper

91 100

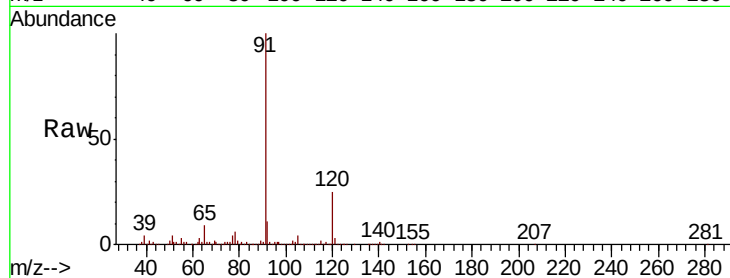
120 25.5 12.4 37.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.81

500000

400000

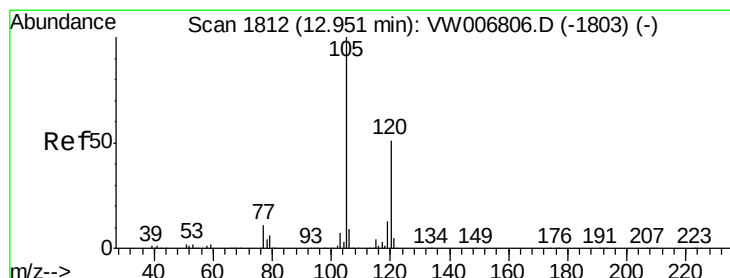
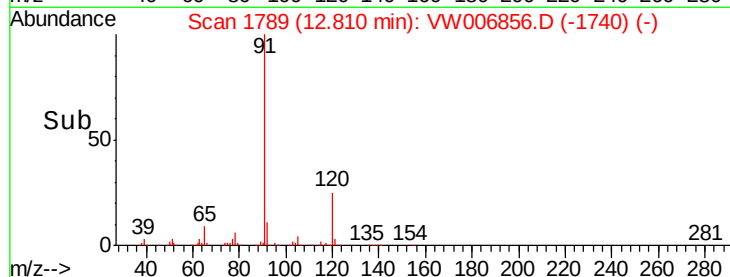
300000

200000

100000

0

Time--> 12.70 12.80



#80

1,3,5-Trimethylbenzene

Concen: 47.586 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006856.D

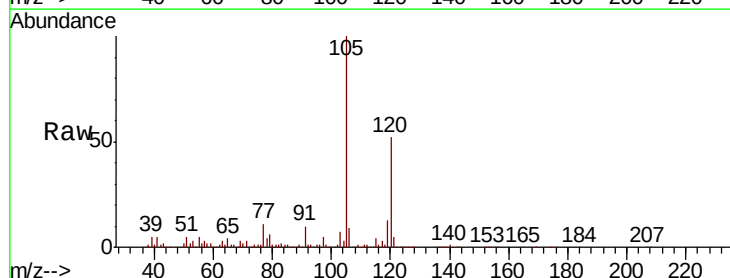
Acq: 13 Nov 2018 16:03

Tgt Ion:105 Resp: 918791

Ion Ratio Lower Upper

105 100

120 51.1 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.95

800000

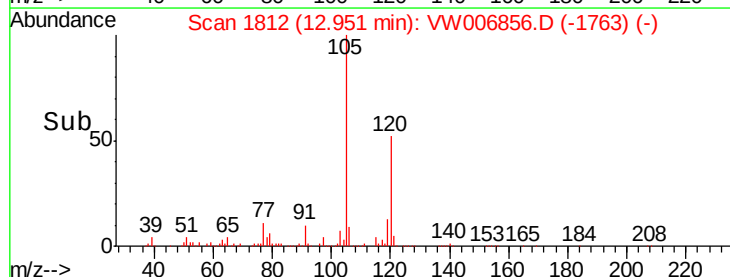
600000

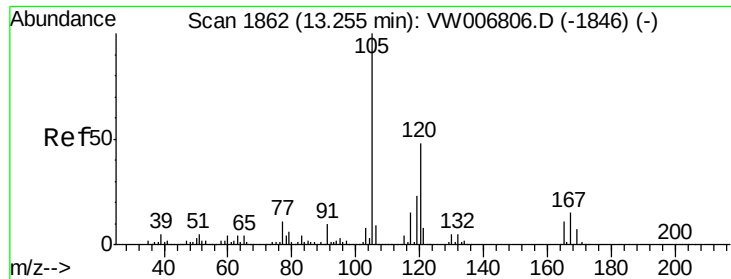
400000

200000

0

Time--> 12.90 12.95 13.00





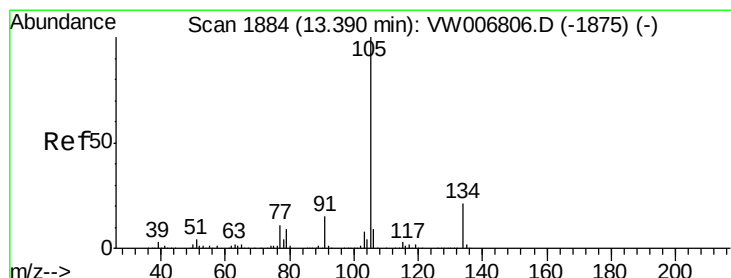
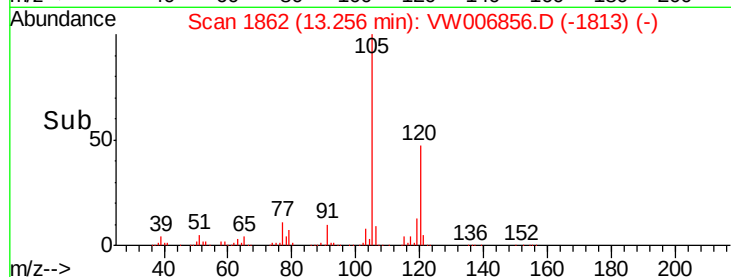
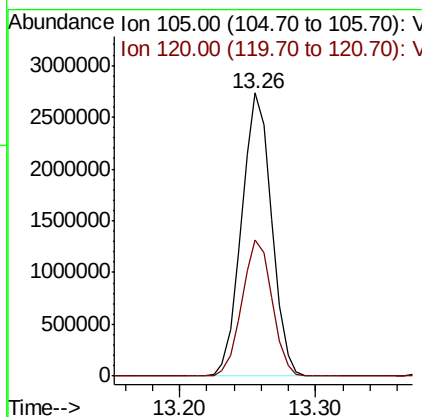
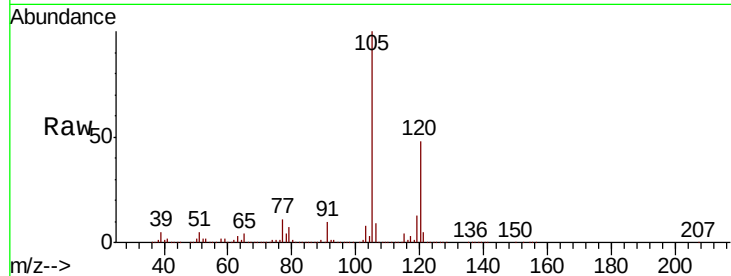
#84
1,2,4-Trimethylbenzene
Concen: 214.522 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006856.D
Acq: 13 Nov 2018 16:03

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(24-28)

Tot Ion:105 Resp: 4215149
Ion Ratio Lower Upper
105 100
120 48.2 23.4 70.0

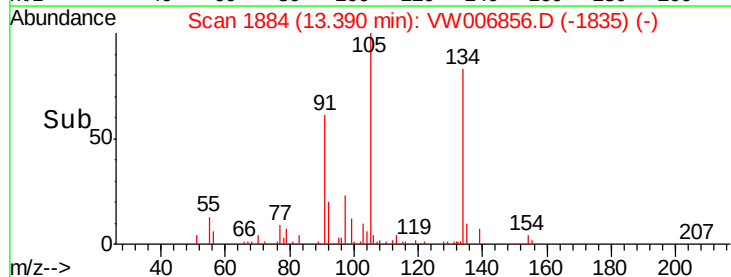
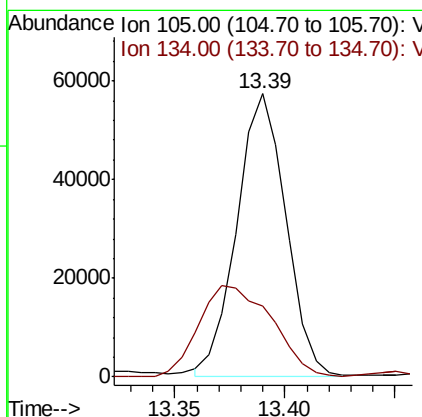
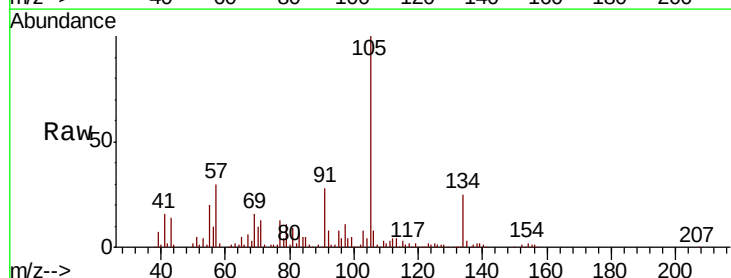
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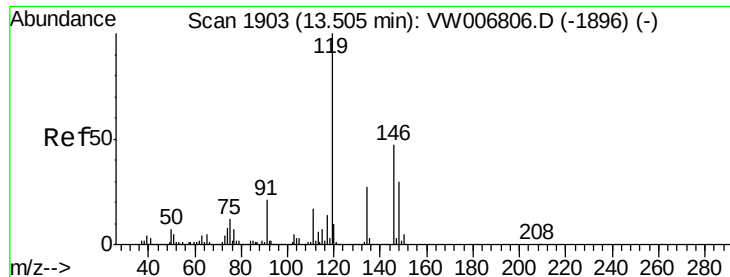
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#85
sec-Butylbenzene
Concen: 3.685 ug/l m
RT: 13.39 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VW006856.D
Acq: 13 Nov 2018 16:03

Tgt Ion:105 Resp: 89131
Ion Ratio Lower Upper
105 100
134 0.0 10.7 31.9#





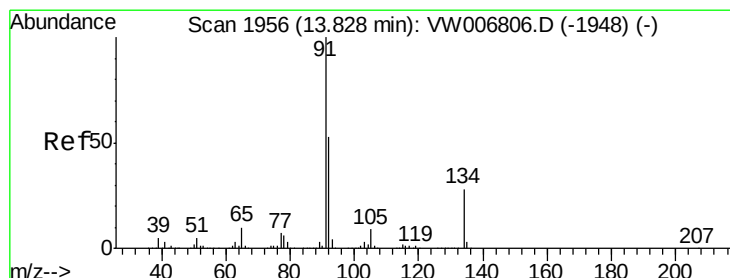
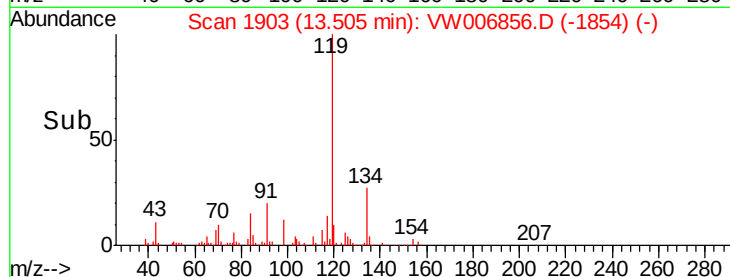
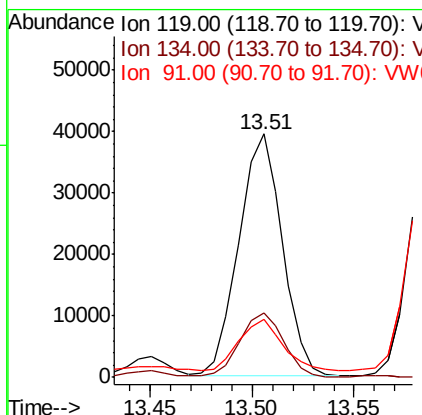
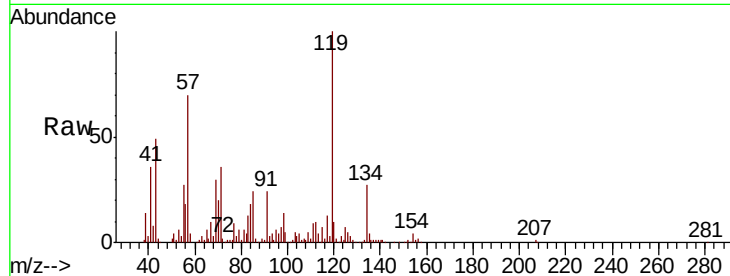
#86
p-Isopropyltoluene
Concen: 2.663 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006856.D
Acq: 13 Nov 2018 16:03

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(24-28)

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.4
91	21.3	10.8	32.4

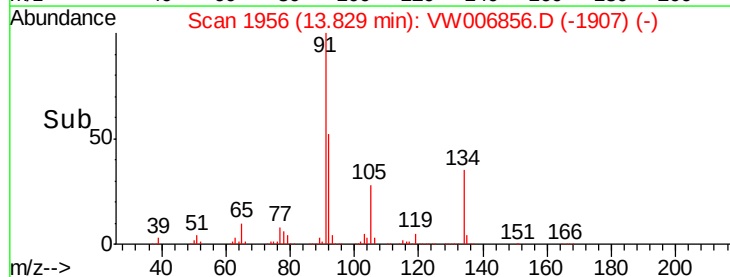
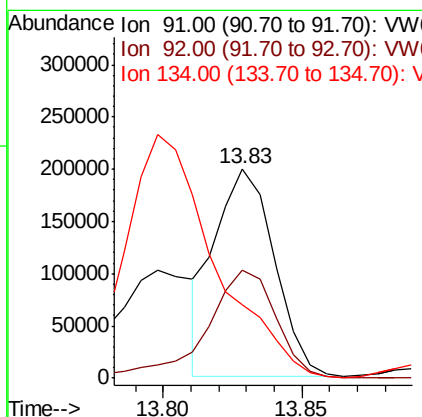
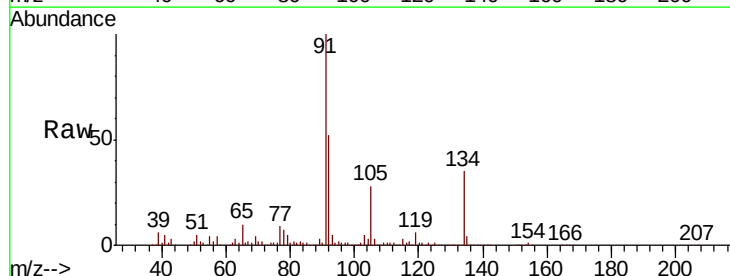
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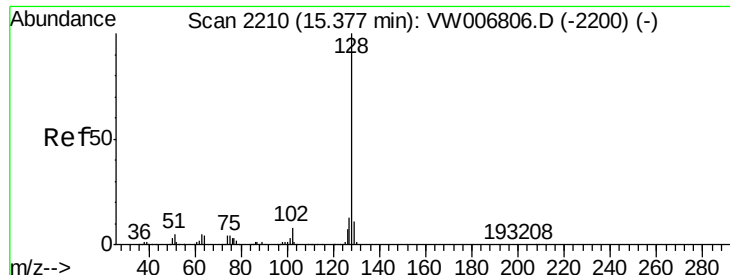
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#89
n-Butylbenzene
Concen: 14.640 ug/l m
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006856.D
Acq: 13 Nov 2018 16:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.5	26.5	79.4
134	0.0	14.4	43.2#





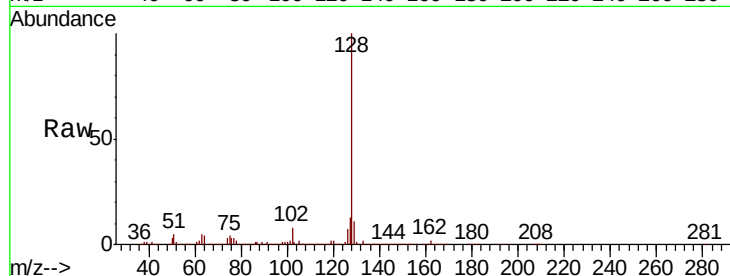
#95
Naphthalene
Concen: 153.964 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006856.D
Acq: 13 Nov 2018 16:03

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(24-28)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

