

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
 Data File : VW007833.D
 Acq On : 22 Dec 2018 10:32
 Operator : SY/AP
 Sample : J6426-14
 Misc : 5.60G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

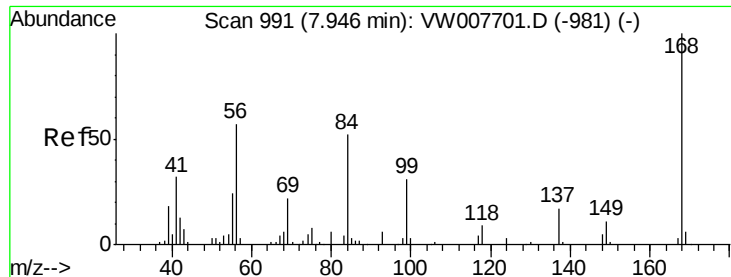
Manual Integrations
 APPROVED

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 12/26/2018 11:01:04 AM

Quant Time: Dec 25 01:31:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	54040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	94660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	46643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	11371	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	32852	55.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.92%	
35) Dibromofluoromethane	7.88	113	27952	48.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.80%	
50) Toluene-d8	10.32	98	72014	33.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.16%	
62) 4-Bromofluorobenzene	12.62	95	16018	19.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.10%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	9983	90.006	ug/l	98
18) Methyl Acetate	4.67	43	2239	8.488	ug/l	99
31) Cyclohexane	7.96	56	97421	110.491	ug/l	95
37) Ethyl Acetate	7.26	43	9915	31.445	ug/l	98
39) Methylcyclohexane	9.34	83	225280	198.433	ug/l	97
40) Benzene	8.32	78	52343	21.469	ug/l	96
52) Toluene	10.39	92	26882	16.434	ug/l	99
65) Chlorobenzene	11.66	112	3182583	3152.467	ug/l	98
67) Ethyl Benzene	11.73	91	122235m	70.559	ug/l	
68) m/p-Xylenes	11.84	106	3298877	4908.903	ug/l	96
69) o-Xylene	12.17	106	16158	25.650	ug/l	94
73) Isopropylbenzene	12.47	105	839860	977.126	ug/l	99
78) n-propylbenzene	12.81	91	1280060	1279.372	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	833477	1124.196	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	5074901	6783.607	ug/l	98
85) sec-Butylbenzene	13.39	105	94066m	104.922	ug/l	
86) p-Isopropyltoluene	13.51	119	135536	166.255	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	102001	260.805	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	3209630	8204.236	ug/l	98
89) n-Butylbenzene	13.83	91	94196	126.020	ug/l #	74
95) Naphthalene	15.38	128	1434823	3192.792	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-4248-01

Tot Ion:168 Resp: 54040

Ion Ratio Lower Upper

168 100

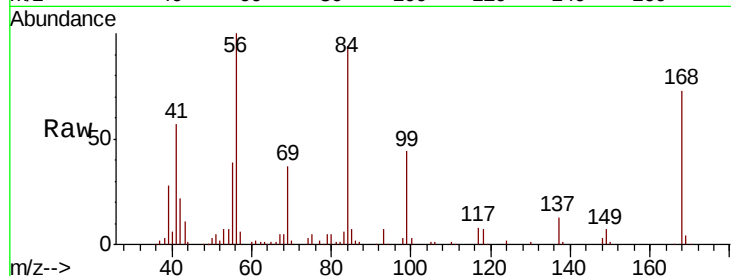
99 59.8 54.0 81.0

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

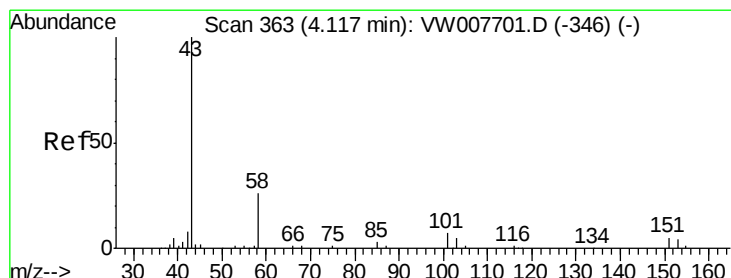
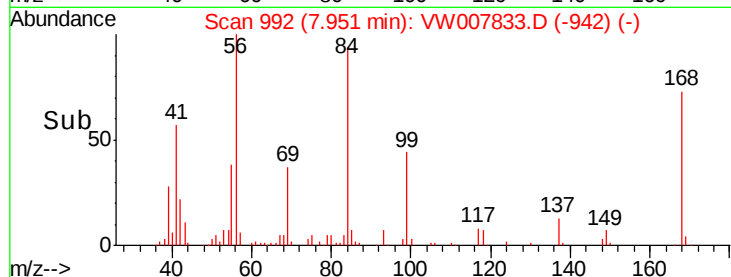
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 90.006 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007833.D

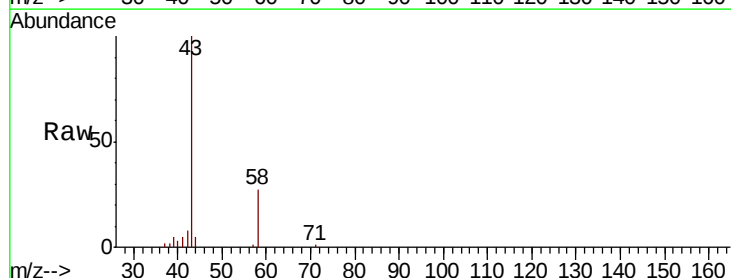
Acq: 22 Dec 2018 10:32

Tgt Ion: 43 Resp: 9983

Ion Ratio Lower Upper

43 100

58 27.3 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

4000

3000

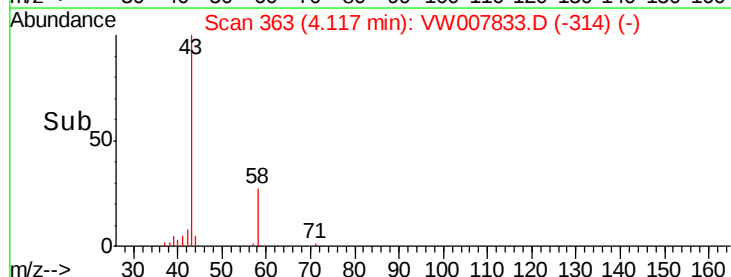
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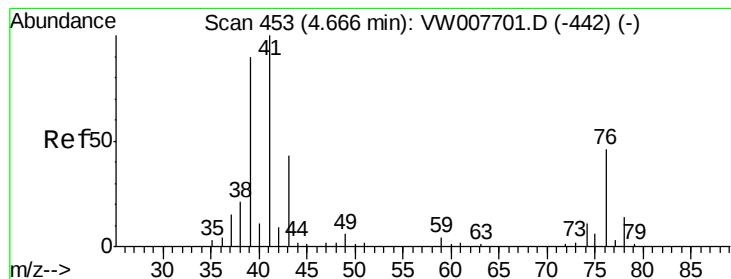
1000

0

4.00 4.05 4.10 4.15 4.20

Time-->





#18

Methvl Acetate

Concen: 8.488 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-4248-01

Tot Ion: 43 Resp: 2239

Ion Ratio Lower Upper

43 100

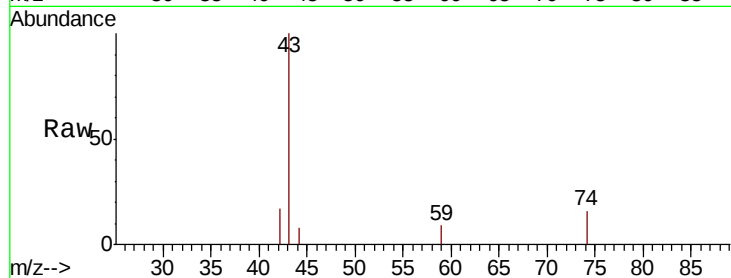
74 27.7 22.7 34.1

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

800

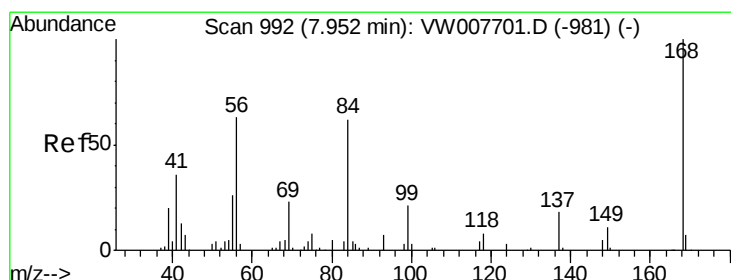
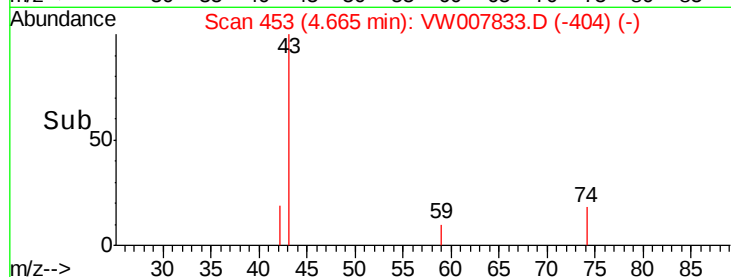
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 110.491 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

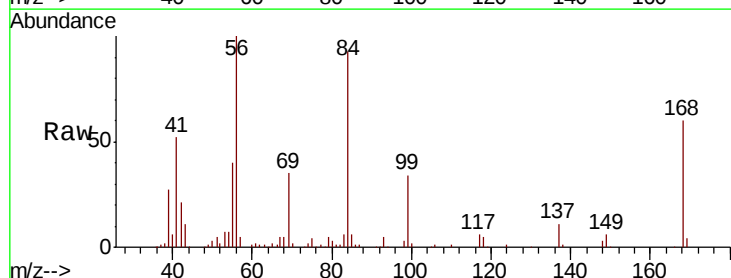
Tgt Ion: 56 Resp: 97421

Ion Ratio Lower Upper

56 100

69 35.4 29.7 44.5

84 93.5 78.9 118.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

7.96

40000

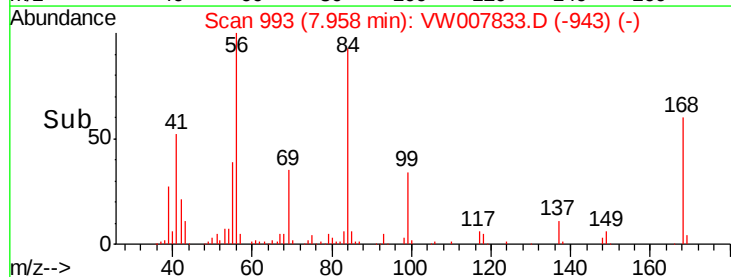
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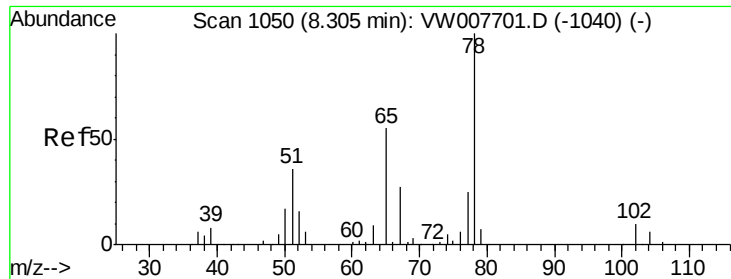
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10000

0

Time-->





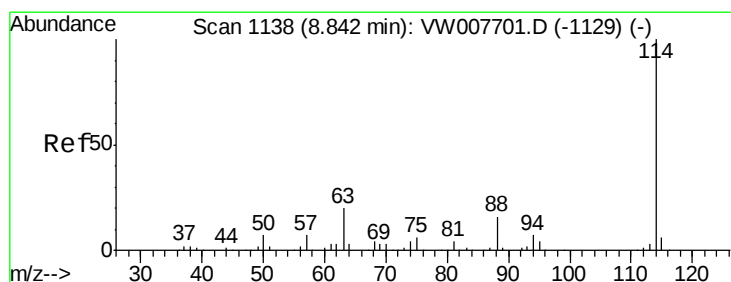
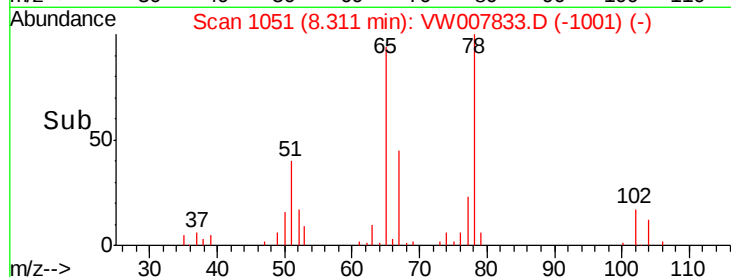
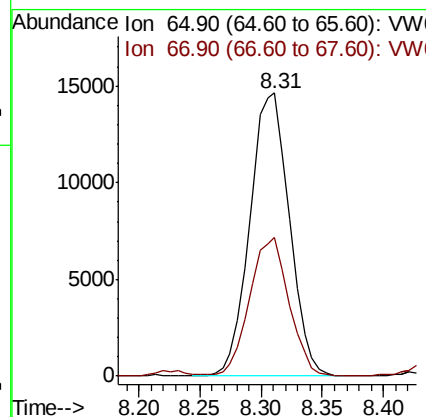
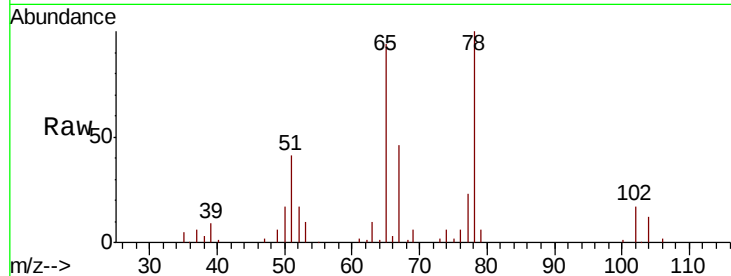
#33
 1,2-Dichloroethane-d4
 Concen: 55.465 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	48.9	0.0	100.6	

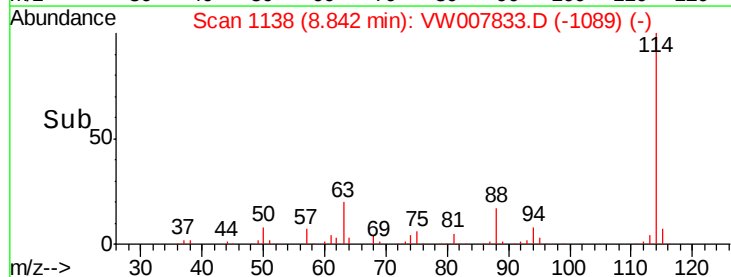
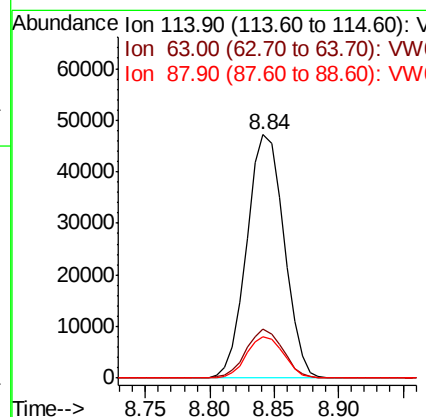
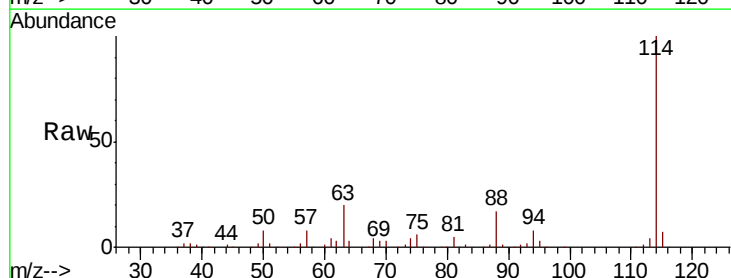
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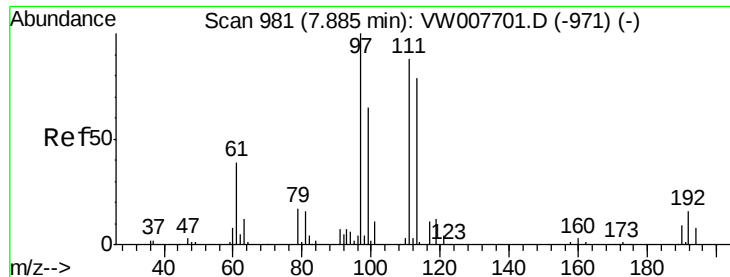
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	40.0	
88	17.1	0.0	32.6	





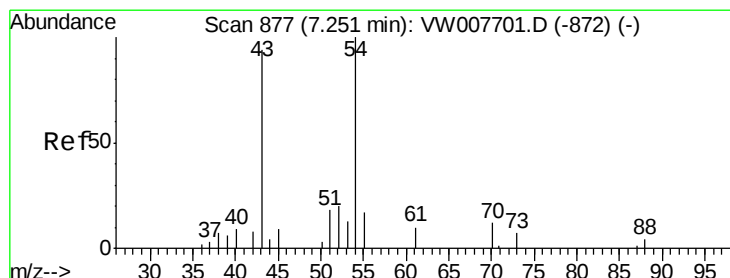
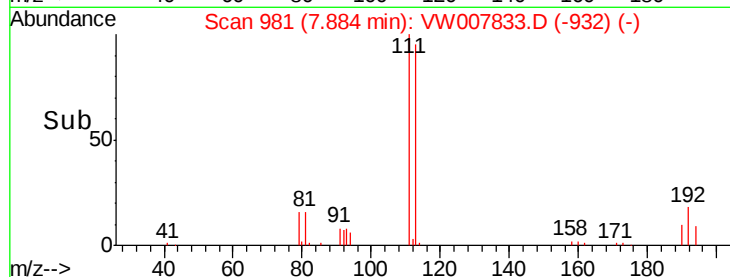
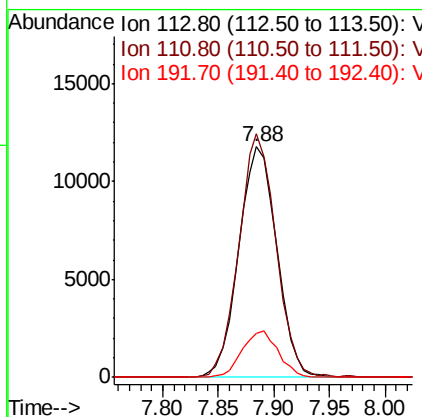
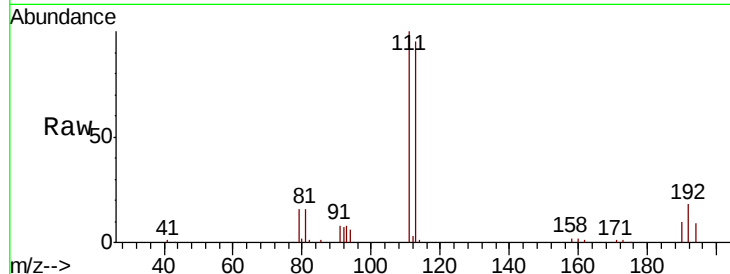
#35
Dibromofluoromethane
Concen: 48.404 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	27952		
111	102.8	82.6	124.0	
192	19.1	15.5	23.3	

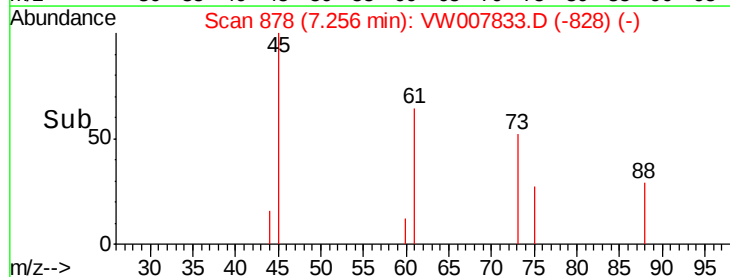
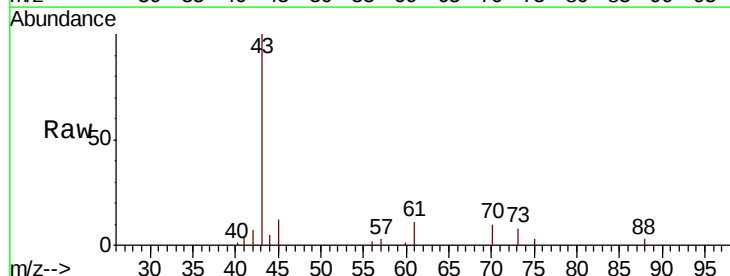
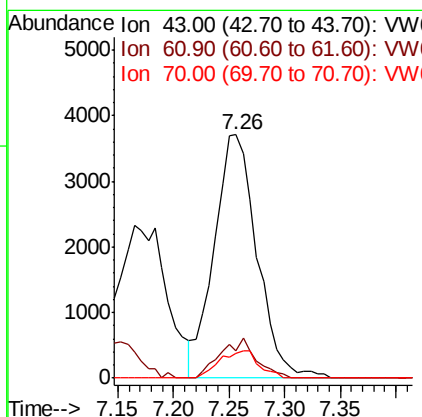
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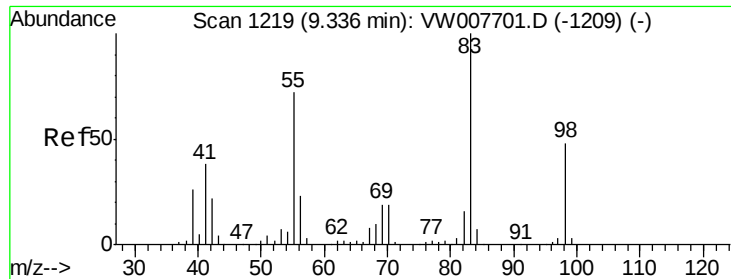
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#37
Ethyl Acetate
Concen: 31.445 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	9915		
61	13.8	11.2	16.8	
70	10.4	9.3	13.9	





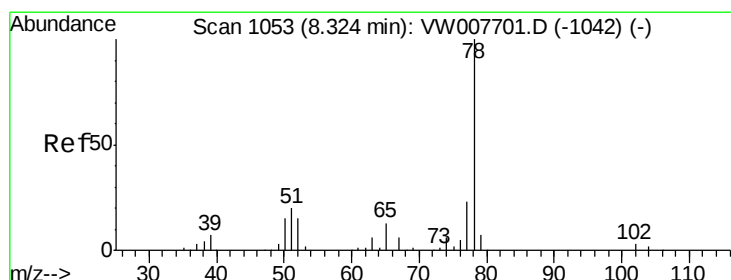
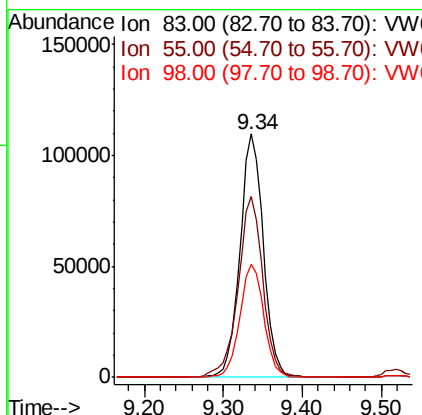
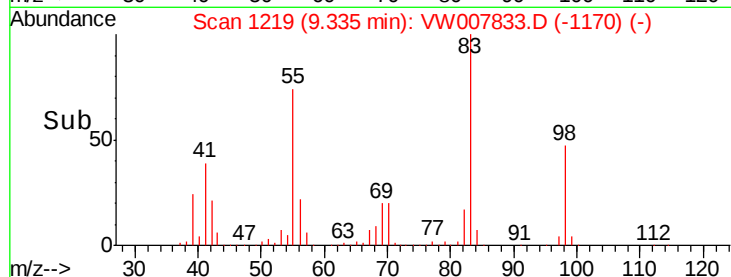
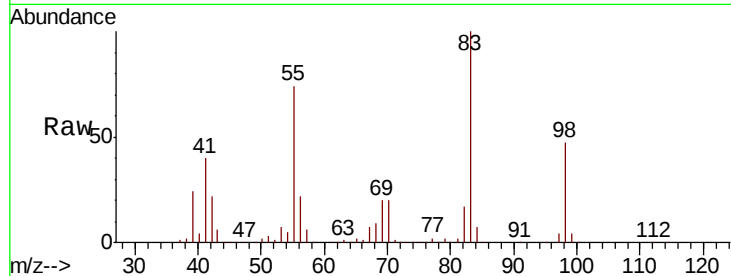
#39
Methvlcvclohexane
Concen: 198.433 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	57.2	85.8
98	46.7	38.6	58.0

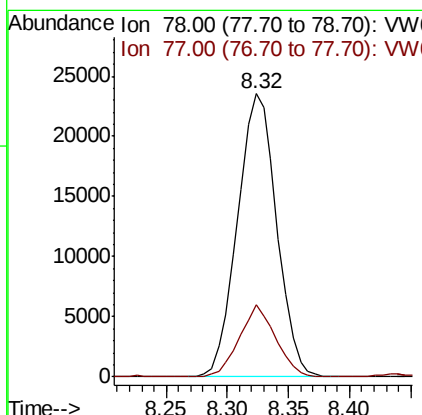
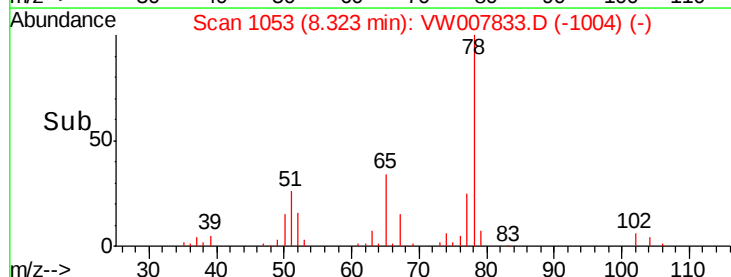
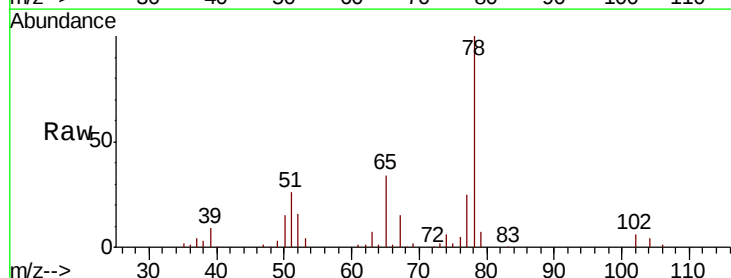
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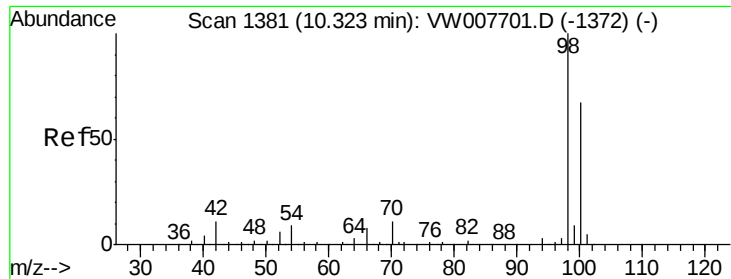
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#40
Benzene
Concen: 21.469 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.7	28.1





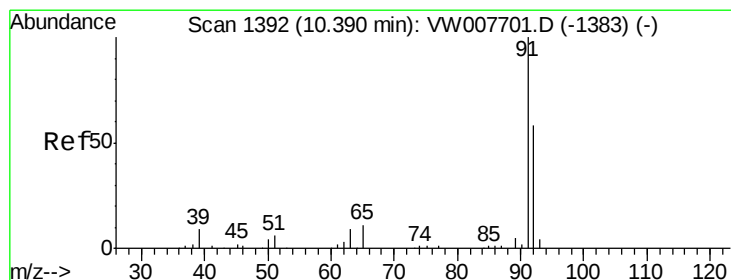
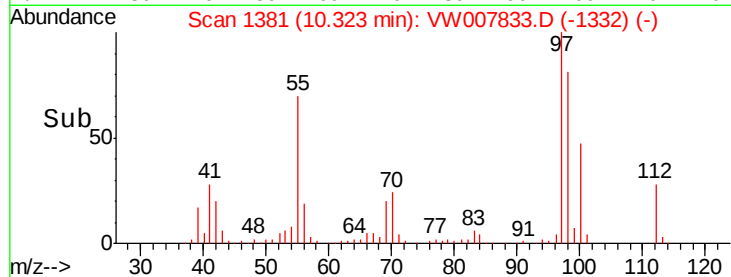
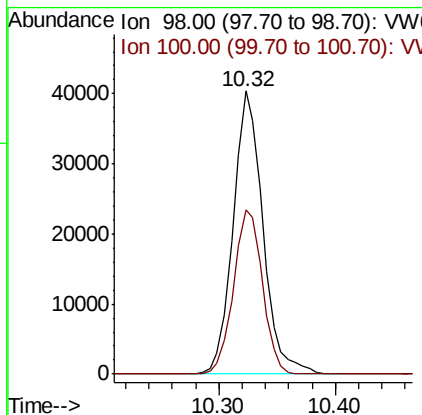
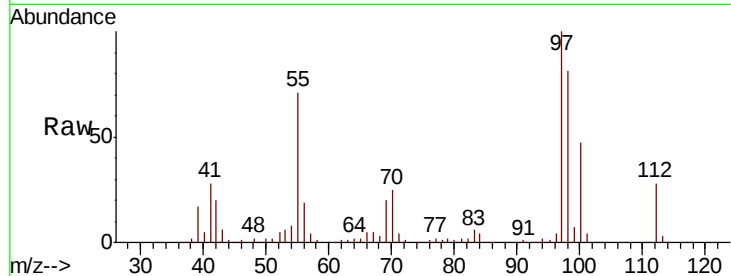
#50
Toluene-d8
Concen: 33.080 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tot Ion: 98 Resp: 72014
Ion Ratio Lower Upper
98 100
100 56.3 52.2 78.2

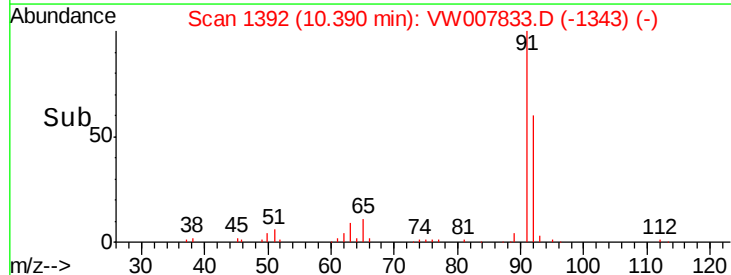
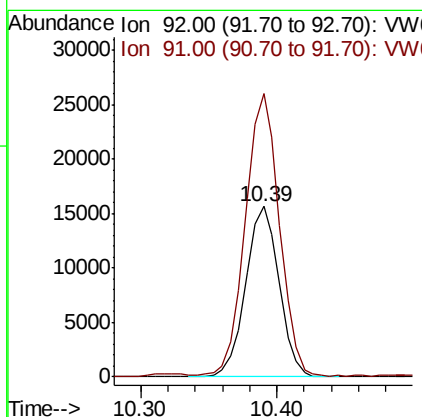
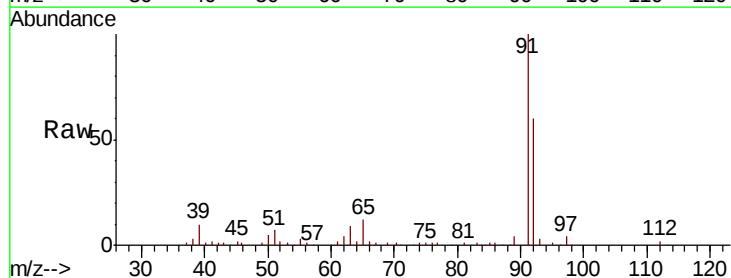
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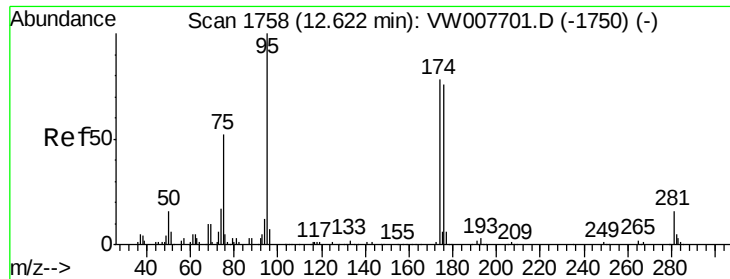
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#52
Toluene
Concen: 16.434 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion: 92 Resp: 26882
Ion Ratio Lower Upper
92 100
91 169.2 137.0 205.4





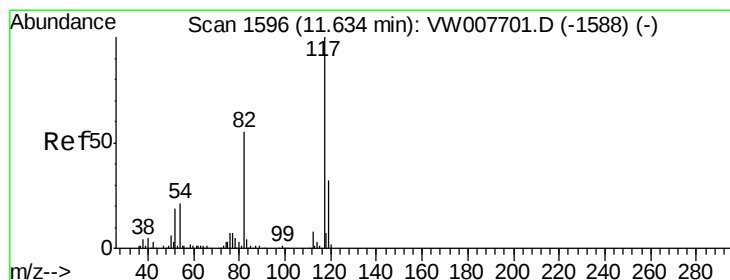
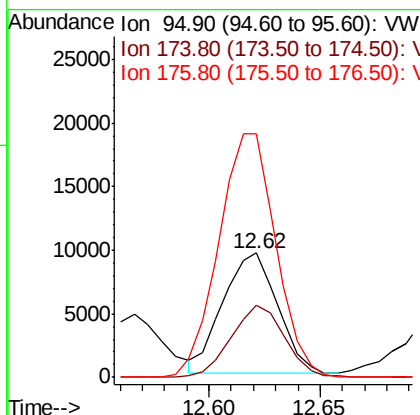
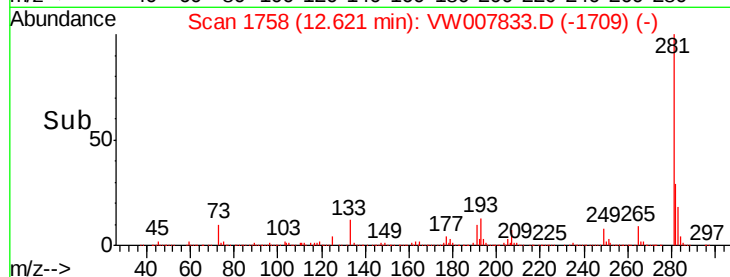
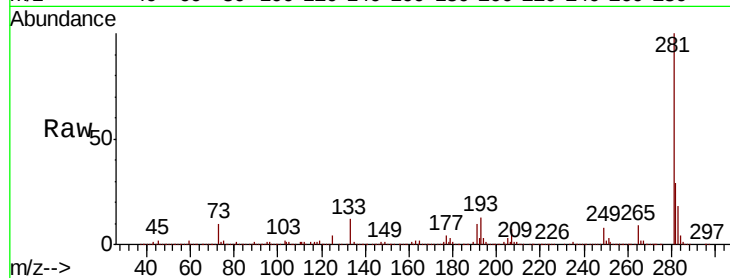
#62
4-Bromofluorobenzene
Concen: 19.046 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	16018		
174	59.4	0.0	152.2	
176	213.5	0.0	146.8	

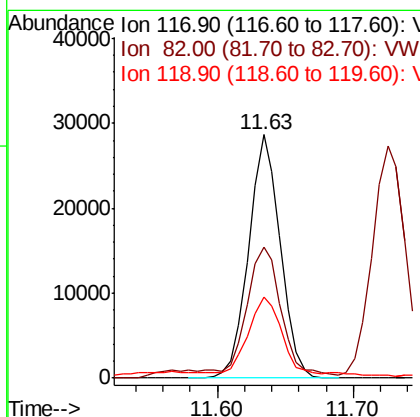
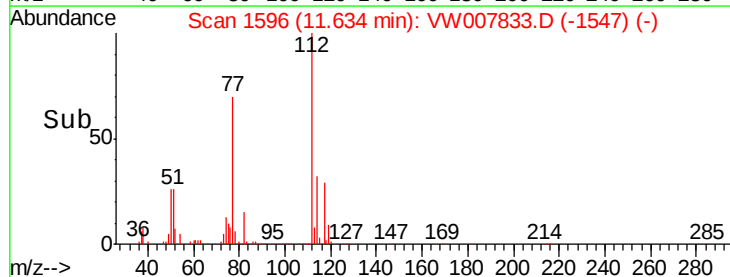
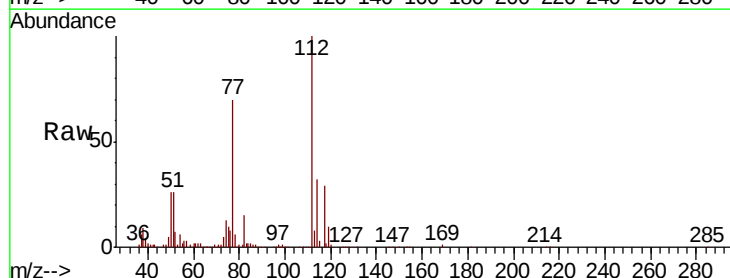
Manual Integrations
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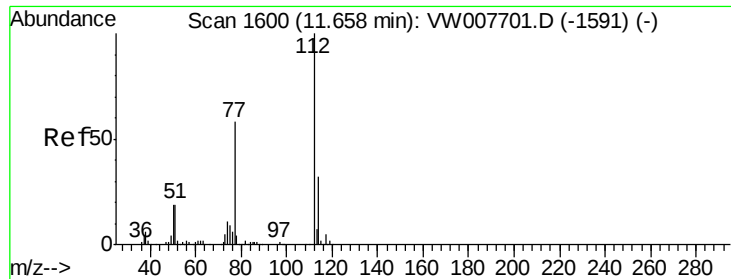
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12/26/2018 11:01:04 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46643		
82	52.8	44.3	66.5	
119	31.4	25.7	38.5	





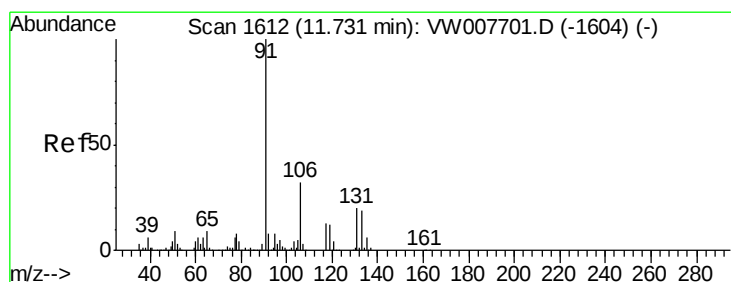
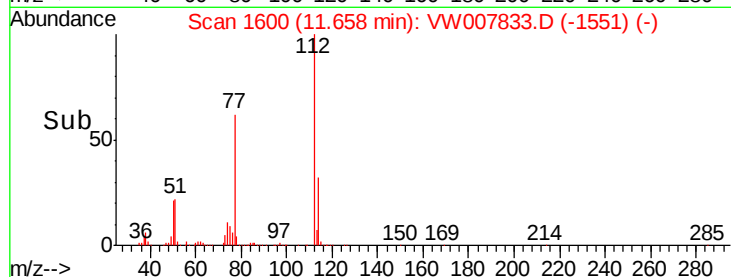
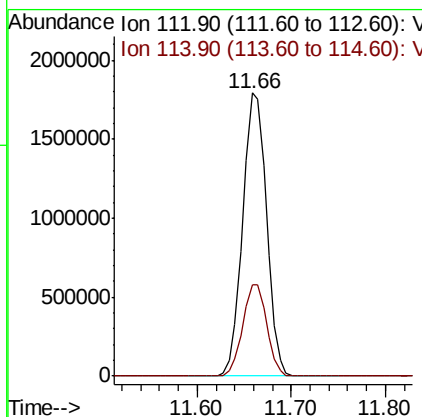
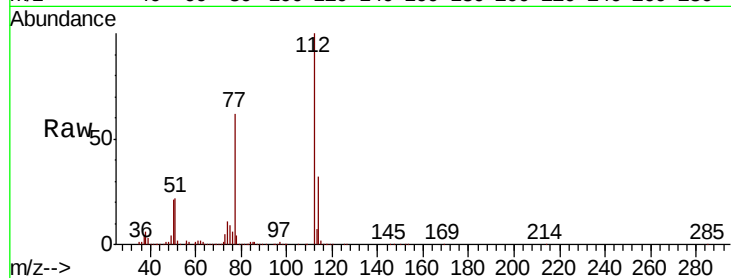
#65
Chlorobenzene
Concen: 3152.467 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tot Ion:112 Resp: 3182583
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8

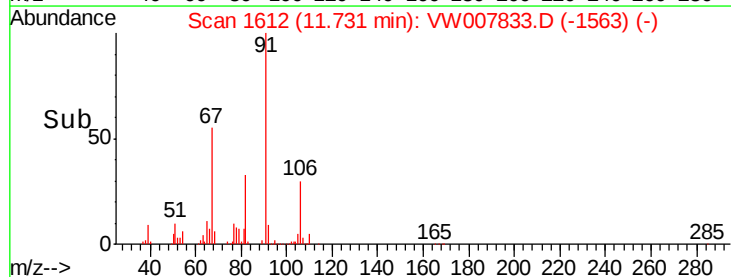
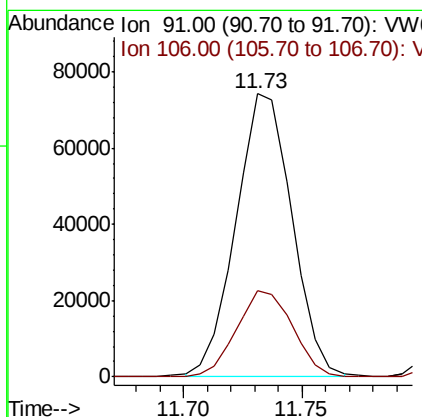
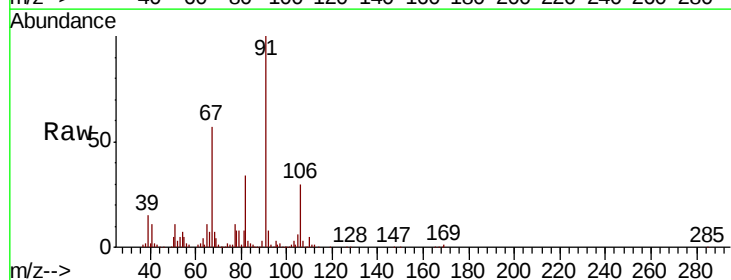
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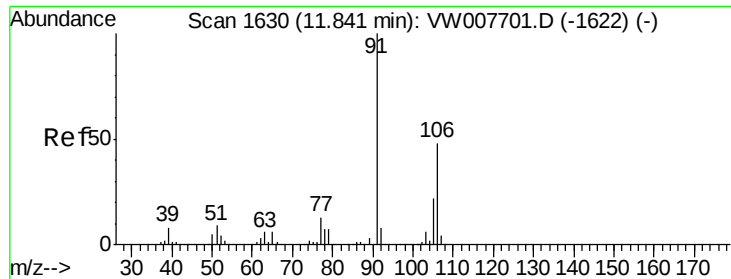
MMDadoda
12/26/2018 11:01:04 AM



#67
Ethyl Benzene
Concen: 70.559 ug/l m
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion: 91 Resp: 122235
Ion Ratio Lower Upper
91 100
106 30.5 25.8 38.8





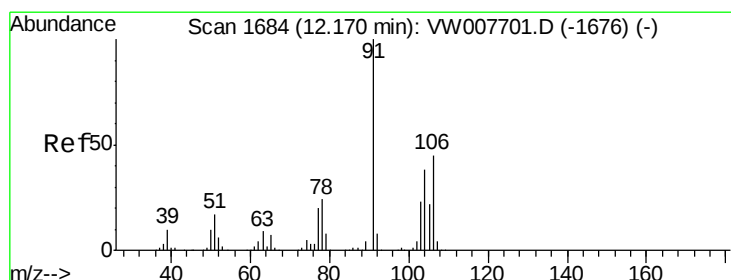
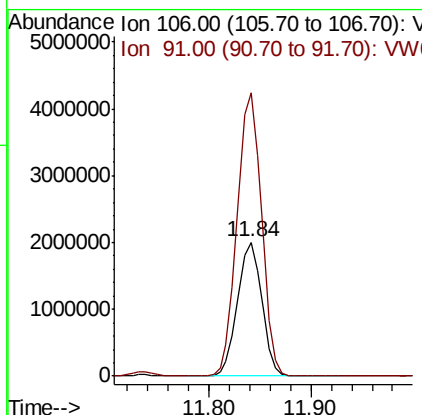
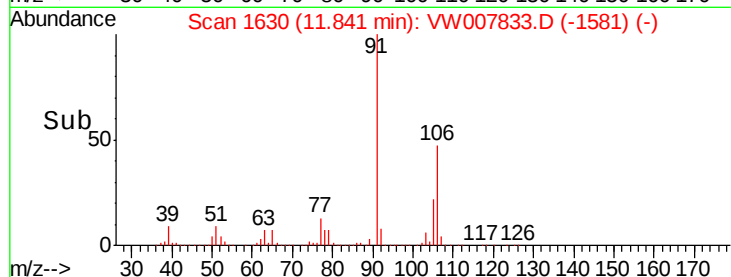
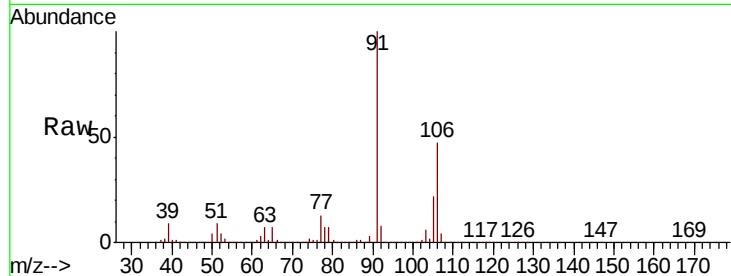
#68
m/p-Xylenes
Concen: 4908.903 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tot Ion:106 Resp: 3298877
Ion Ratio Lower Upper
106 100
91 212.5 165.2 247.8

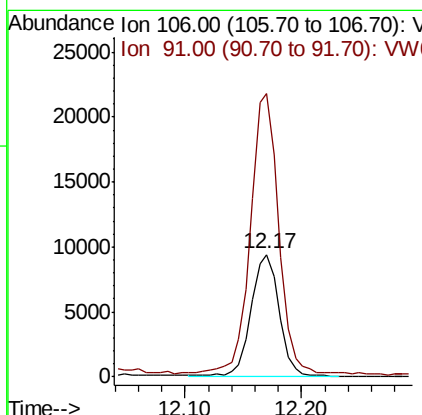
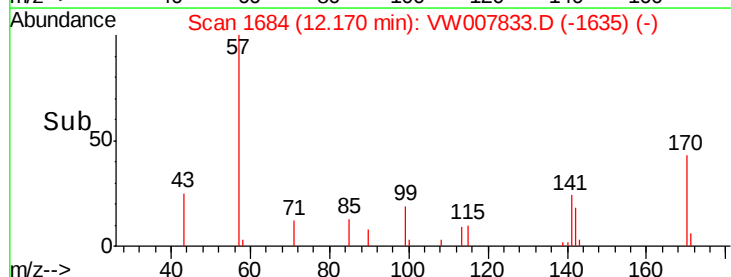
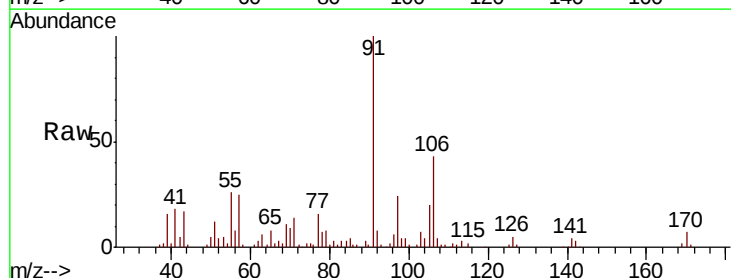
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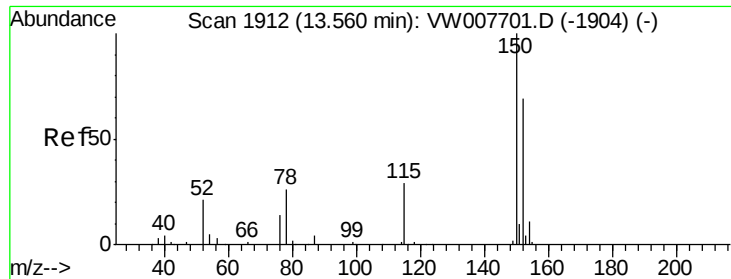
MMDadoda
12/26/2018 11:01:04 AM



#69
o-Xylene
Concen: 25.650 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion:106 Resp: 16158
Ion Ratio Lower Upper
106 100
91 231.1 110.5 331.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-4248-01

Tot Ion:152 Resp: 11371

Ion Ratio Lower Upper

152 100

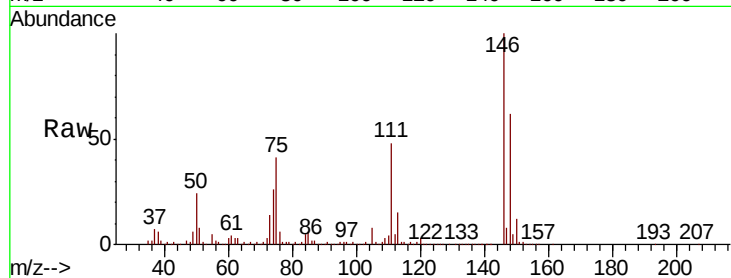
115 0.0 31.8 95.4#

150 0.0 0.0 350.8

Manual Integrations
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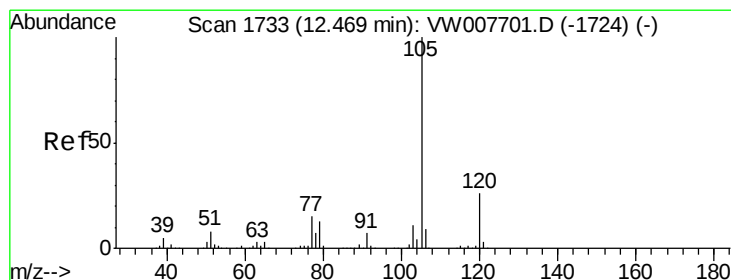
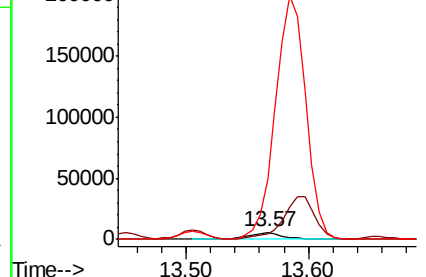
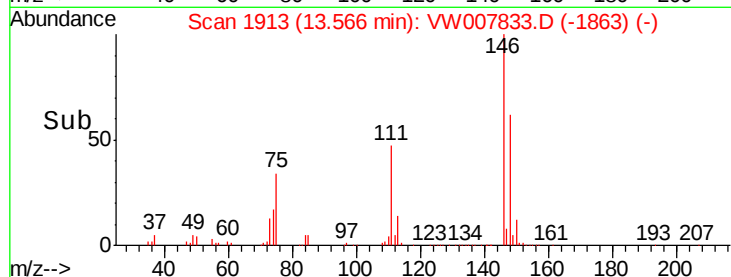
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 977.126 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007833.D

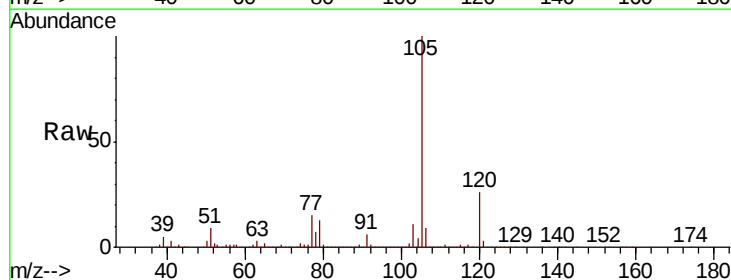
Acq: 22 Dec 2018 10:32

Tgt Ion:105 Resp: 839860

Ion Ratio Lower Upper

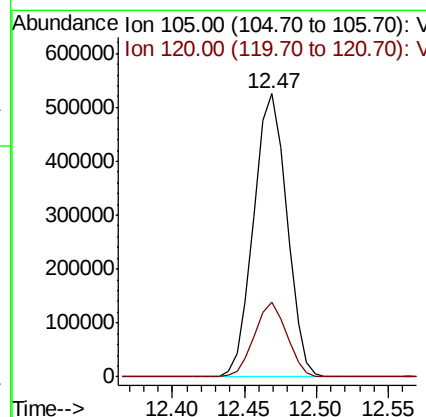
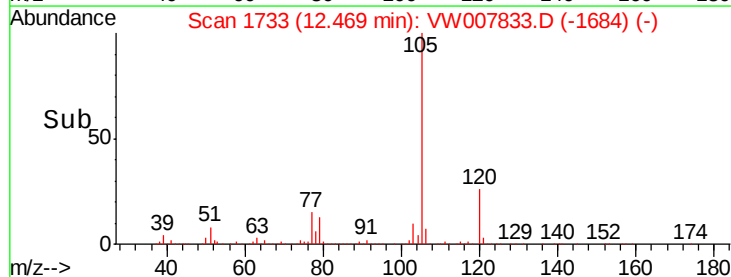
105 100

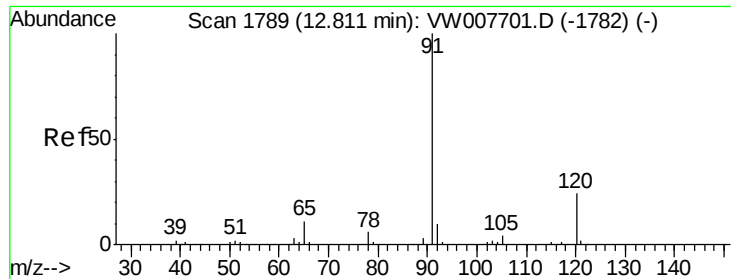
120 25.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1279.372 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-4248-01

Tot Ion: 91 Resp: 1280060

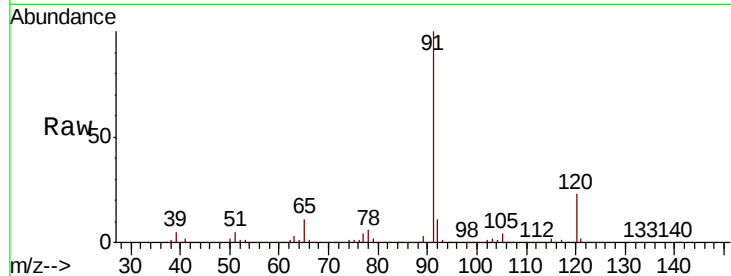
Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.7

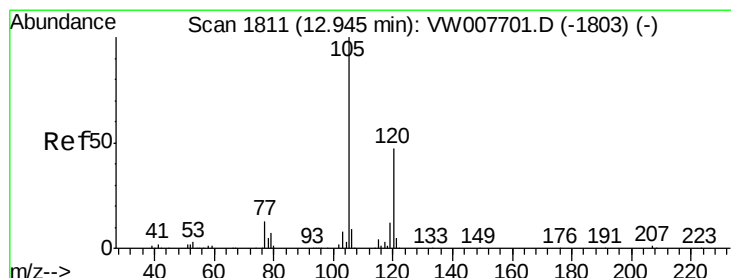
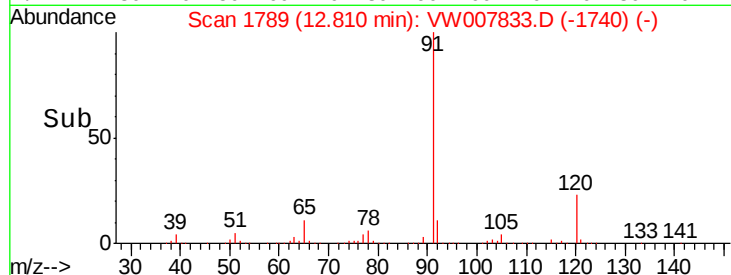
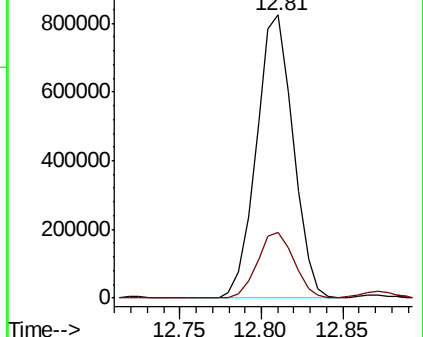
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1124.196 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007833.D

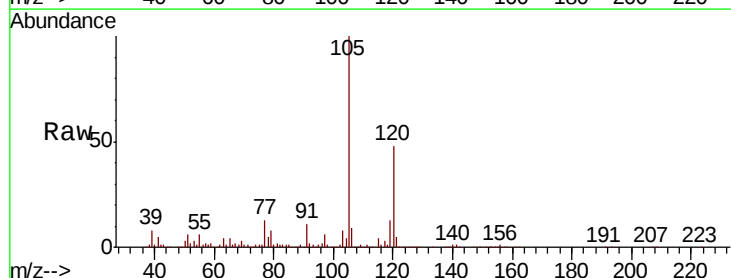
Acq: 22 Dec 2018 10:32

Tgt Ion:105 Resp: 833477

Ion Ratio Lower Upper

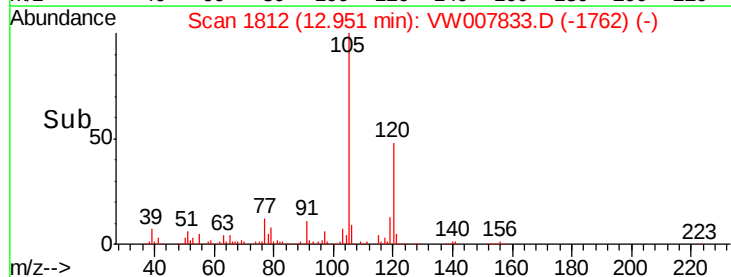
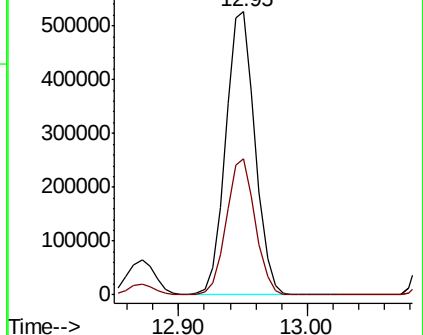
105 100

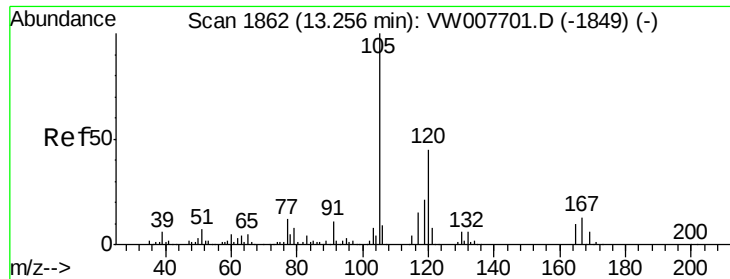
120 47.5 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





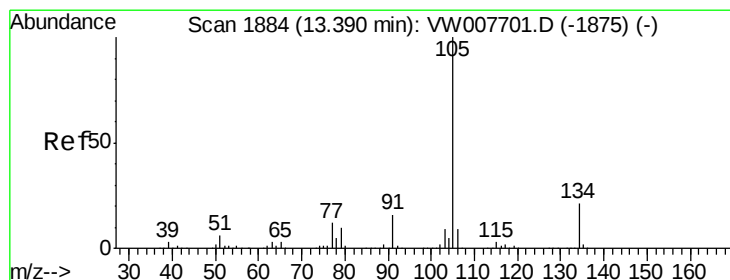
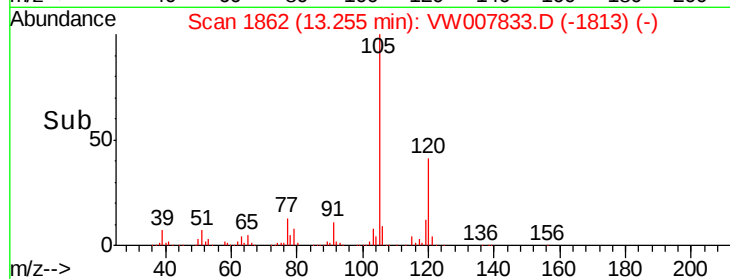
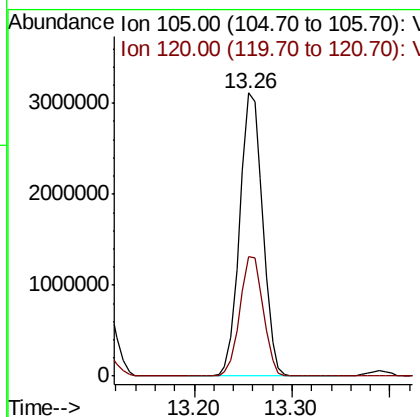
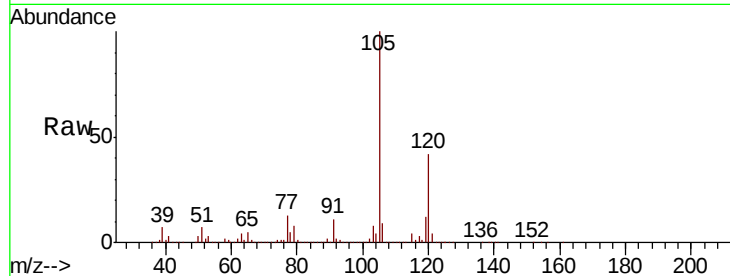
#84
1,2,4-Trimethylbenzene
Concen: 6783.607 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tot Ion:105 Resp: 5074901
Ion Ratio Lower Upper
105 100
120 43.0 22.0 66.0

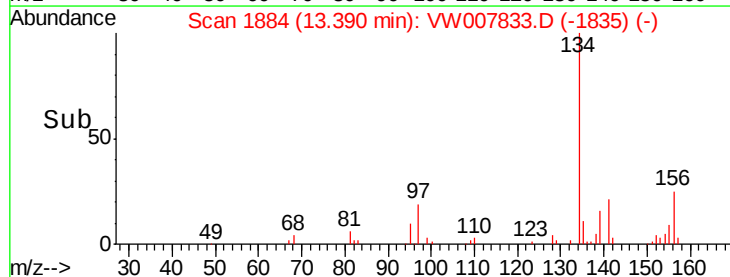
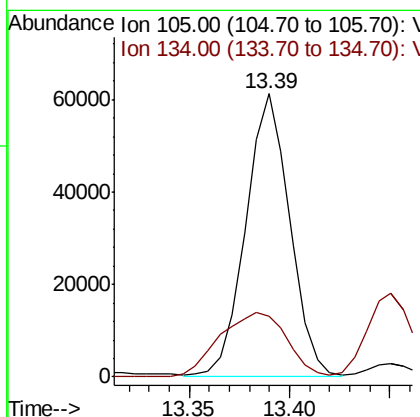
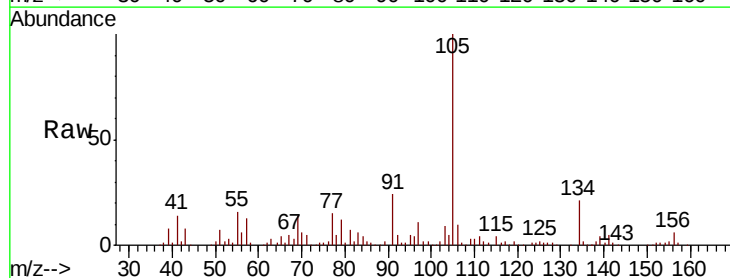
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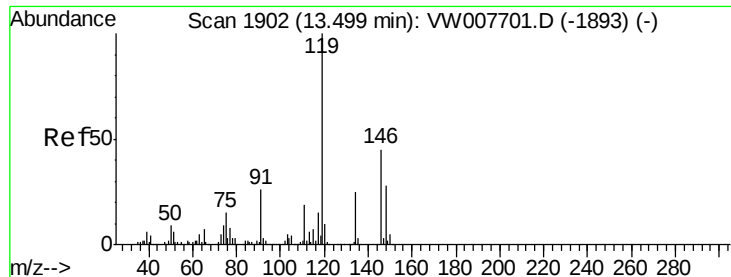
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#85
sec-Butylbenzene
Concen: 104.922 ug/l m
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion:105 Resp: 94066
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





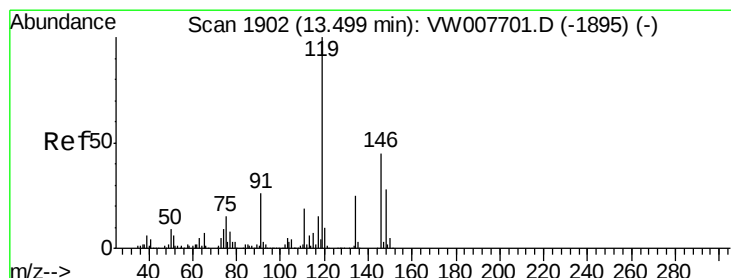
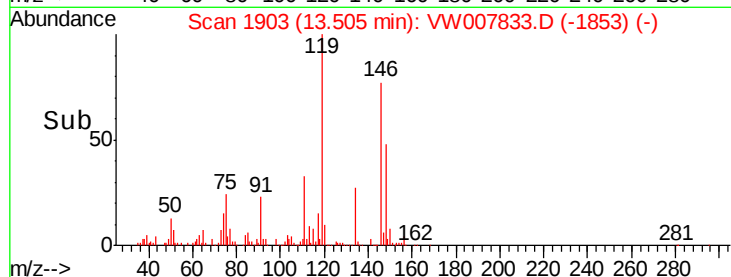
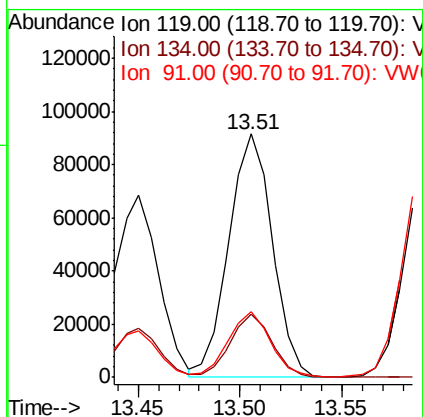
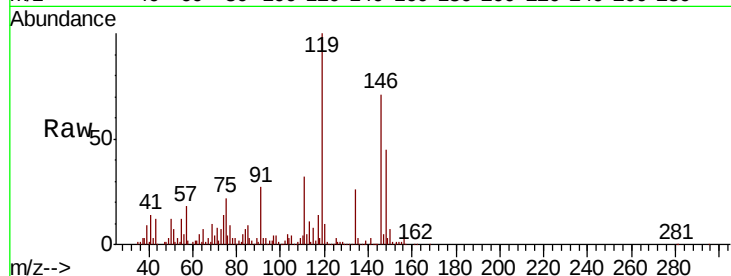
#86
p-Isopropyltoluene
Concen: 166.255 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	135536		
134	25.1	13.0	39.0	
91	25.6	12.8	38.4	

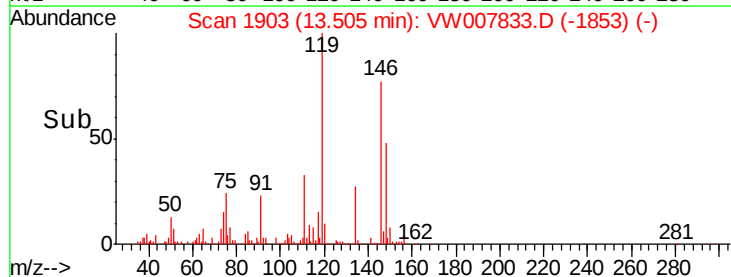
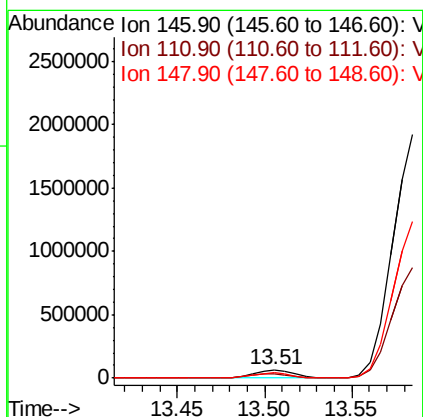
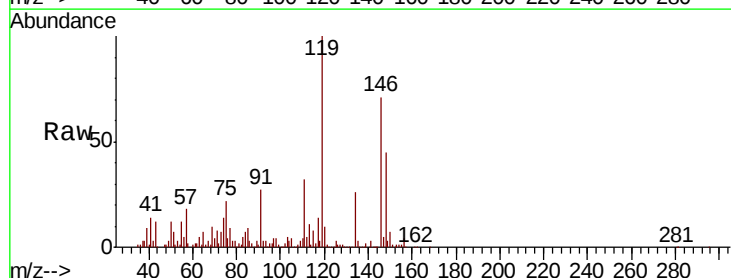
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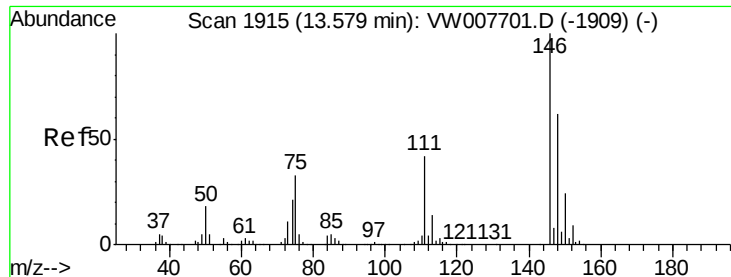
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#87
1,3-Dichlorobenzene
Concen: 260.805 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	102001		
111	47.6	21.1	63.4	
148	63.8	32.1	96.5	





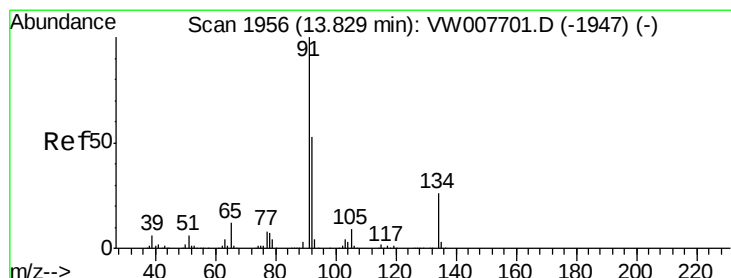
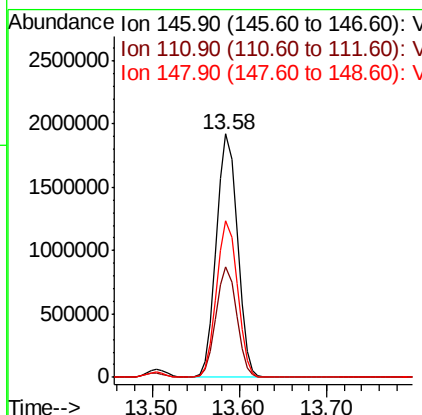
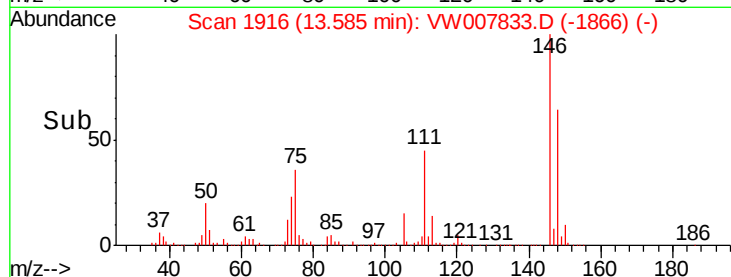
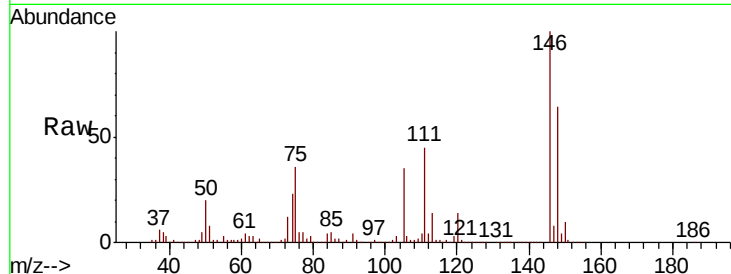
#88
 1,4-Dichlorobenzene
 Concen: 8204.236 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

Tot Ion:146 Resp: 3209630
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.0 63.0
 148 63.9 31.8 95.4

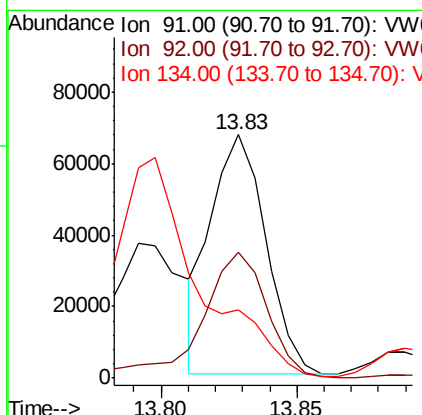
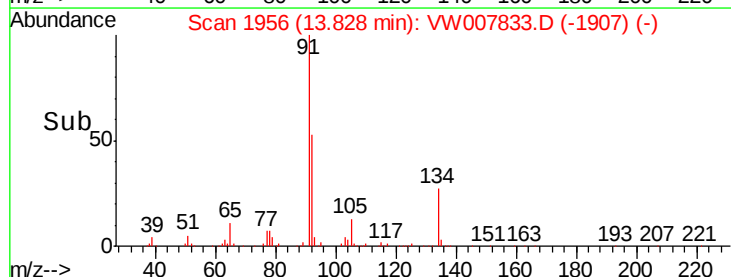
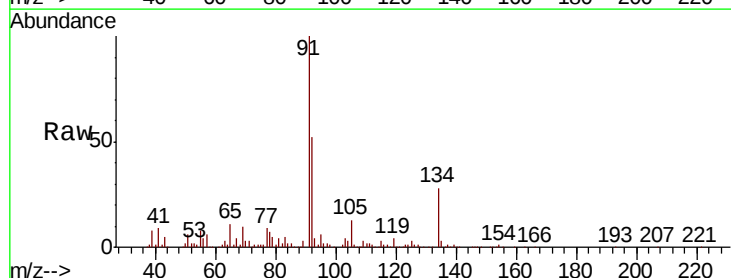
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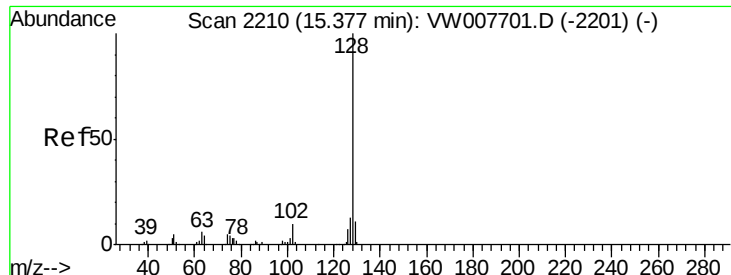
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#89
 n-Butylbenzene
 Concen: 126.020 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Tgt Ion: 91 Resp: 94196
 Ion Ratio Lower Upper
 91 100
 92 61.1 26.4 79.2
 134 0.0 13.7 41.0#





#95
Naphthalene
Concen: 3192.792 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.7	16.1
129	10.9	8.8	13.2

Manual Integrations
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