

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122218\
 Data File : VW007760.D
 Acq On : 20 Dec 2018 21:00
 Operator : SY/AP
 Sample : J6392-20
 Misc : 6.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)

Manual Integrations
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 12/21/2018 11:04:21 AM

Quant Time: Dec 21 04:51:19 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	70444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	119460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	101868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	41876	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	33290	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	
35) Dibromofluoromethane	7.88	113	31433	43.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.26%	
50) Toluene-d8	10.33	98	220678	80.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.64%	
62) 4-Bromofluorobenzene	12.62	95	73844m	69.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.37	76	3252	1.512	ug/l #	83
31) Cyclohexane	7.93	56	1272701	1107.314	ug/l #	48
39) Methylcyclohexane	9.34	83	3589936	2505.660	ug/l #	87
40) Benzene	8.32	78	930808	302.527	ug/l	99
52) Toluene	10.39	92	136637	66.190	ug/l	96
67) Ethyl Benzene	11.74	91	22355396	5908.613	ug/l #	73
68) m/p-Xylenes	11.86	106	15238829	10382.900	ug/l #	1
69) o-Xylene	12.18	106	10235789	7440.062	ug/l	80
70) Styrene	12.18	104	567544	250.961	ug/l #	1
73) Isopropylbenzene	12.47	105	11869080	3749.679	ug/l	100
78) n-propylbenzene	12.82	91	18910179	5132.108	ug/l	95
80) 1,3,5-Trimethylbenzene	12.96	105	17319812	6343.441	ug/l	87
84) 1,2,4-Trimethylbenzene	13.26	105	31058486m	11273.191	ug/l	
85) sec-Butylbenzene	13.40	105	1949711	590.523	ug/l #	57
86) p-Isopropyltoluene	13.52	119	1178057	392.391	ug/l	99
89) n-Butylbenzene	13.84	91	2638412	958.483	ug/l #	70
95) Naphthalene	15.38	128	9311576	5626.379	ug/l	98

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

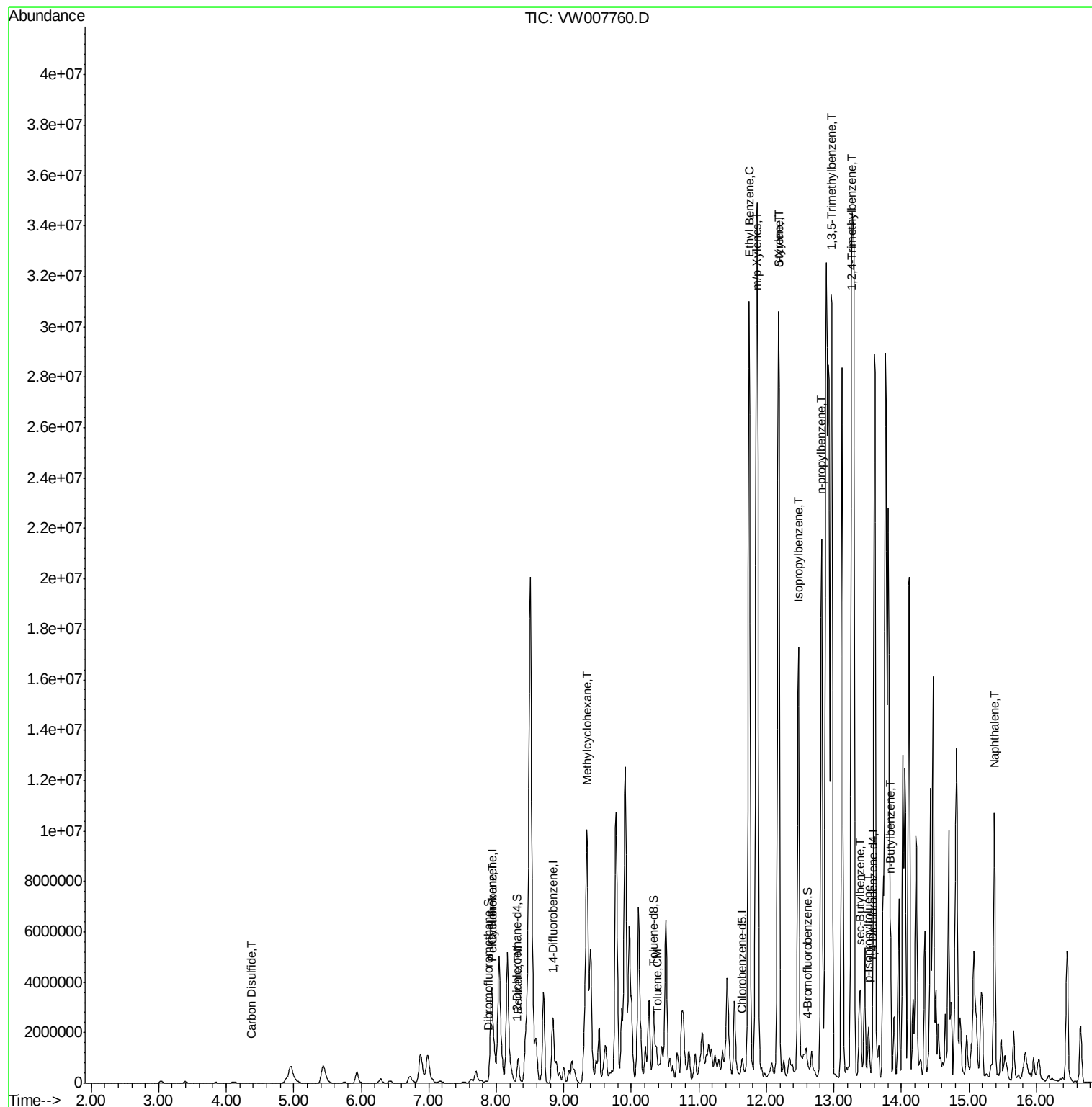
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
Data File : VW007760.D
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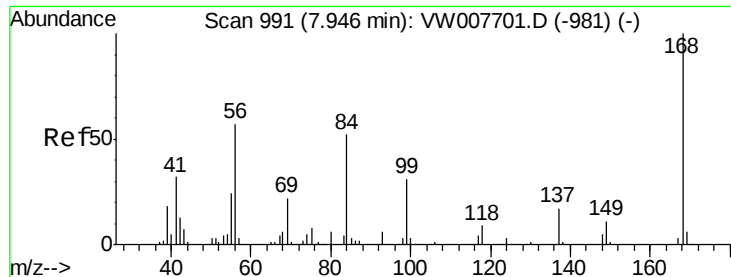
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

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Quant Time: Dec 21 04:51:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)

Tgt Ion:168 Resp: 70444

Ion Ratio Lower Upper

168 100

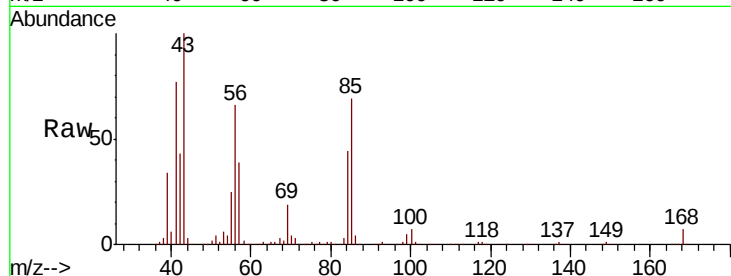
99 67.6 54.0 81.0

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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

30000

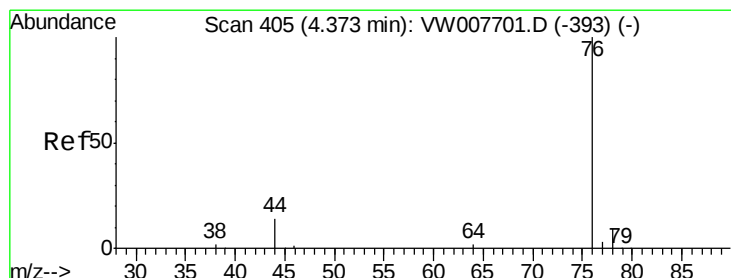
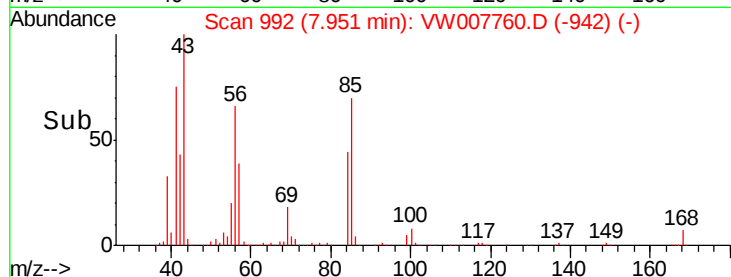
20000

10000

0

7.90 8.00 8.10

Time-->



#17

Carbon Disulfide

Concen: 1.512 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007760.D

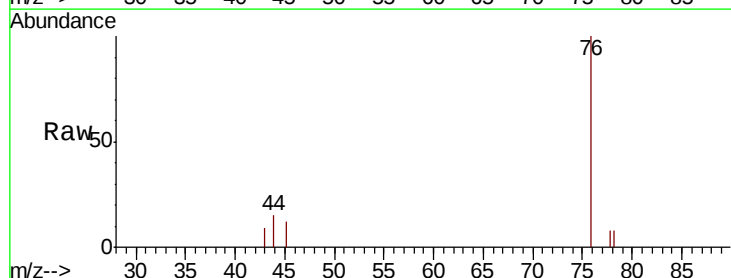
Acq: 20 Dec 2018 21:00

Tgt Ion: 76 Resp: 3252

Ion Ratio Lower Upper

76 100

78 15.1 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

1200

1000

800

600

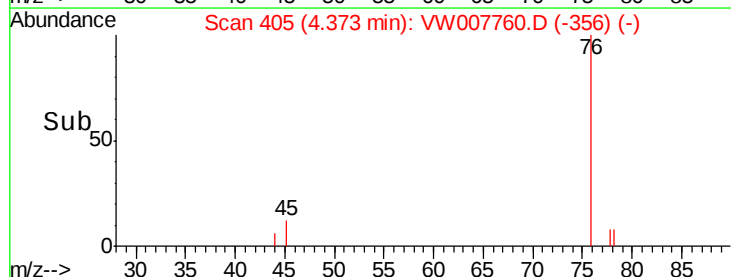
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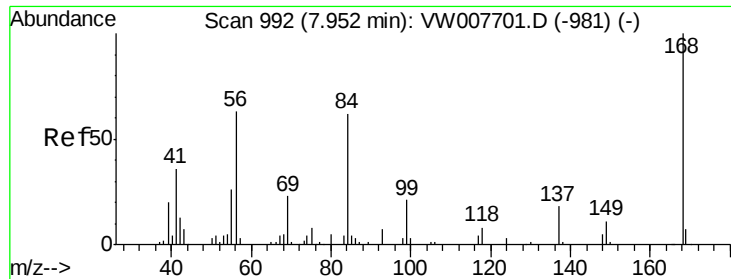
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0

4.30 4.35 4.40 4.45

Time-->





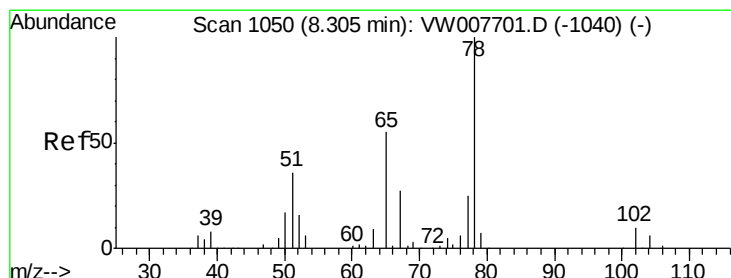
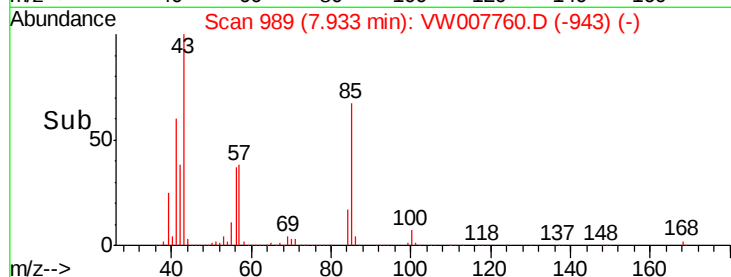
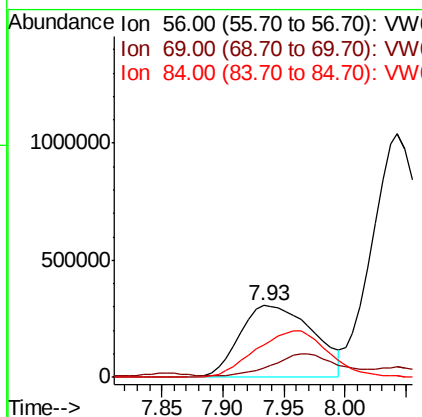
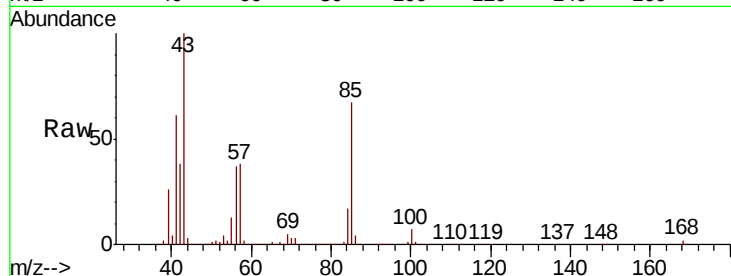
#31
Cyclohexane
Concen: 1107.314 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Instrument :
MSVOA_W
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Tgt Ion: 56 Resp: 1272701
Ion Ratio Lower Upper
56 100
69 8.8 29.7 44.5#
84 45.9 78.9 118.3#

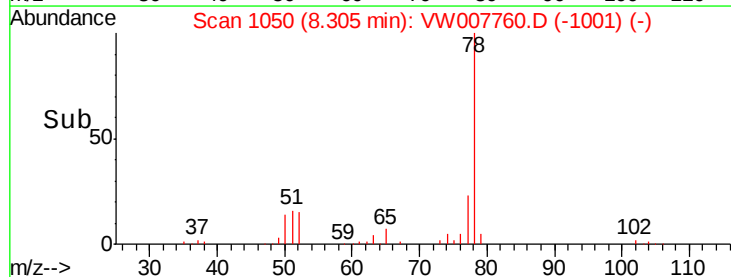
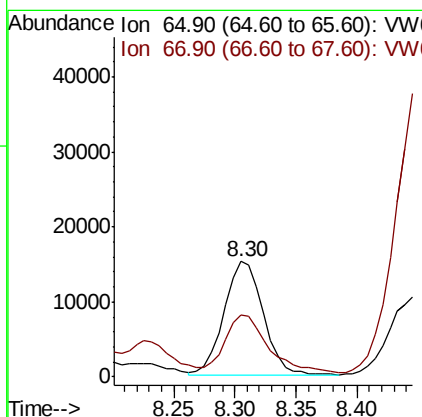
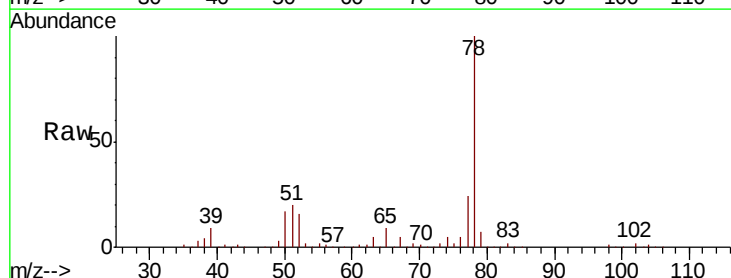
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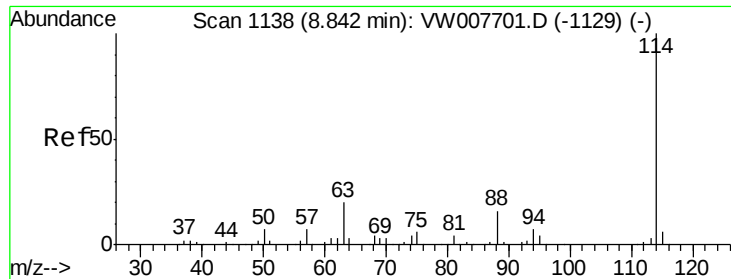
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#33
1,2-Dichloroethane-d4
Concen: 43.116 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 65 Resp: 33290
Ion Ratio Lower Upper
65 100
67 54.8 0.0 100.6





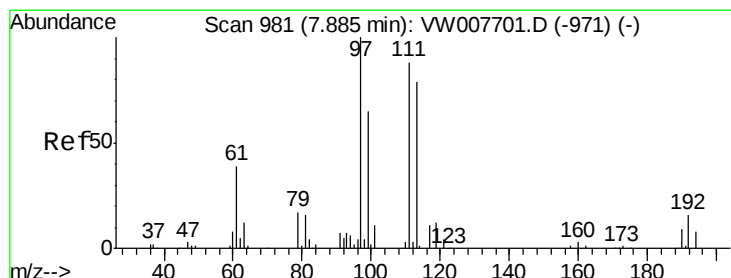
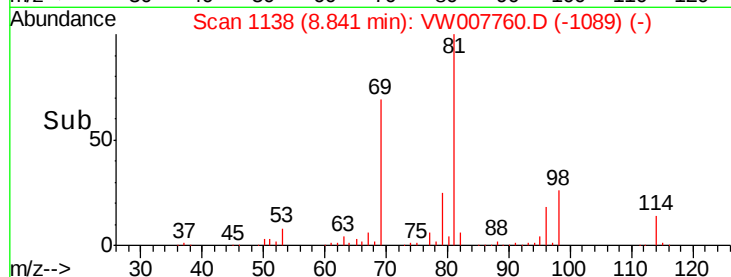
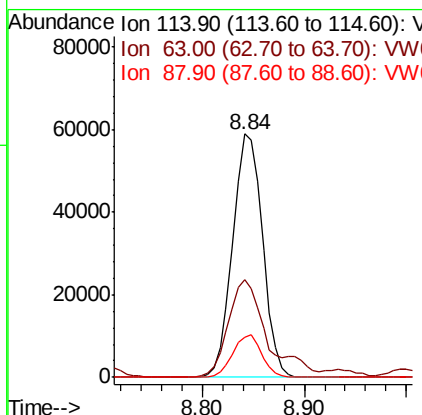
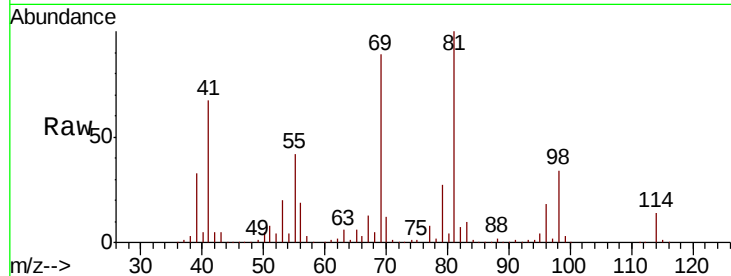
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

Instrument :
 MSVOA_W
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Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	40.2	0.0	40.0#
88	16.5	0.0	32.6

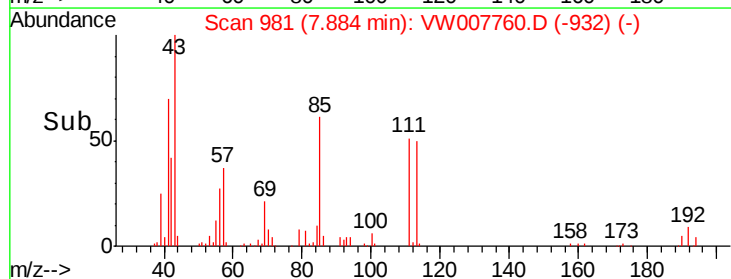
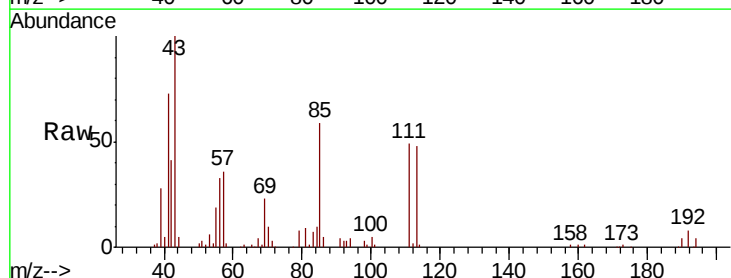
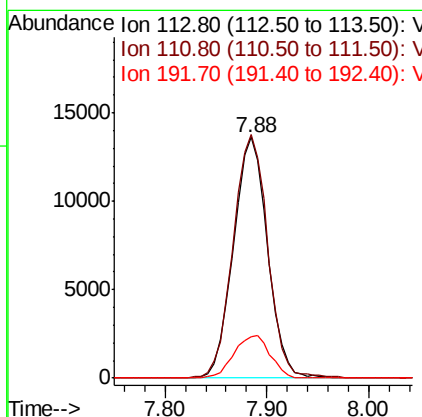
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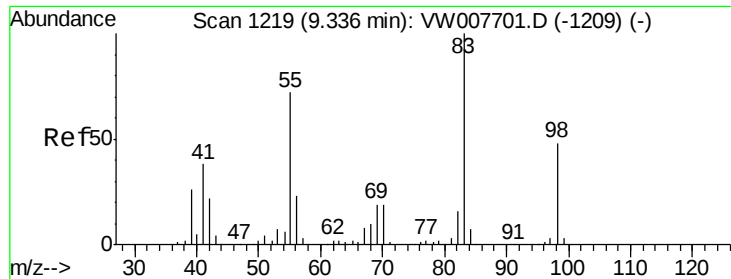
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#35
 Dibromofluoromethane
 Concen: 43.132 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	103.0	82.6	124.0
192	18.7	15.5	23.3





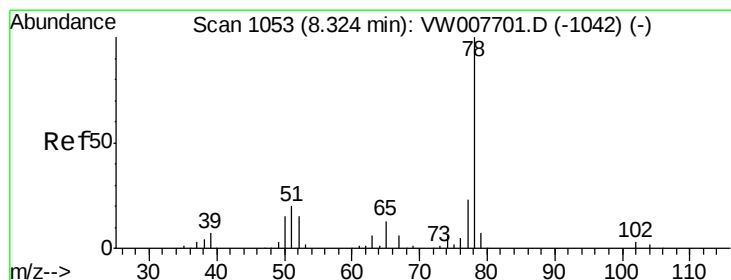
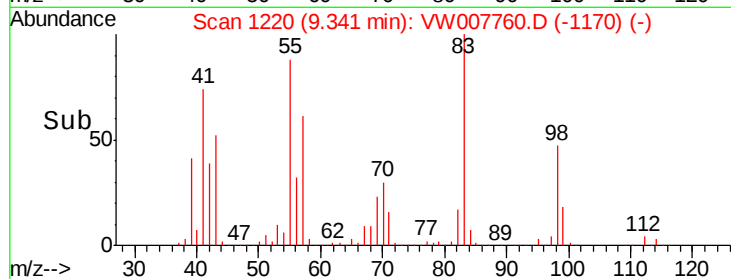
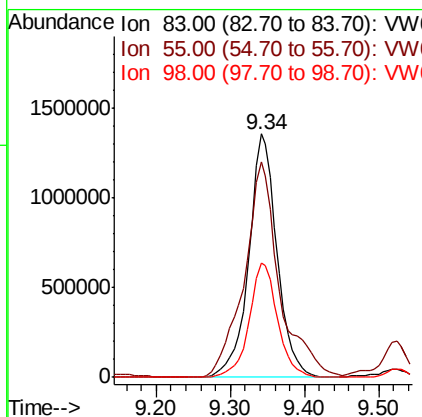
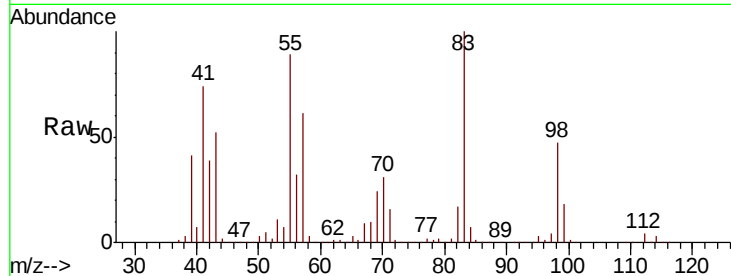
#39
Methylcyclohexane
Concen: 2505.660 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

Tgt Ion: 83 Resp: 3589936
Ion Ratio Lower Upper
83 100
55 88.6 57.2 85.8#
98 47.0 38.6 58.0

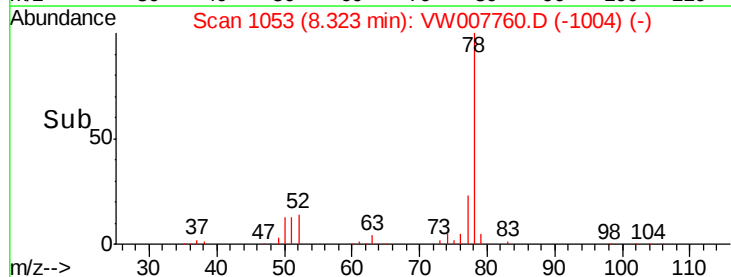
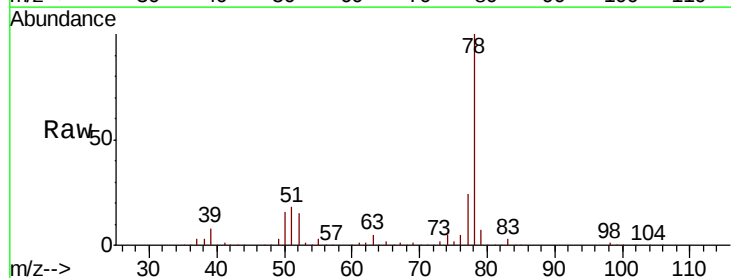
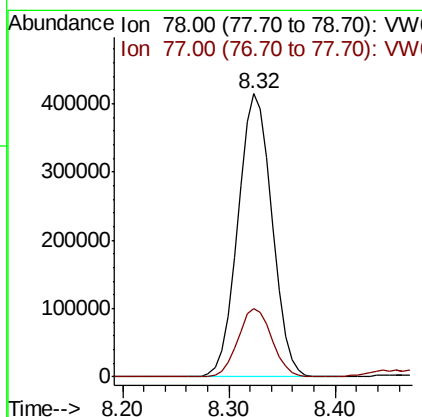
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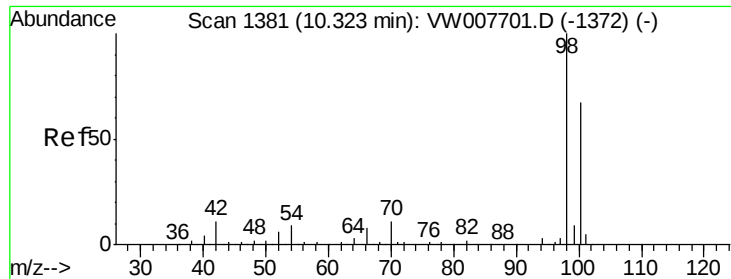
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#40
Benzene
Concen: 302.527 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 78 Resp: 930808
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1





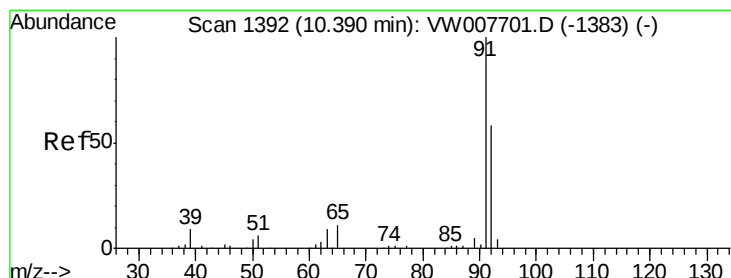
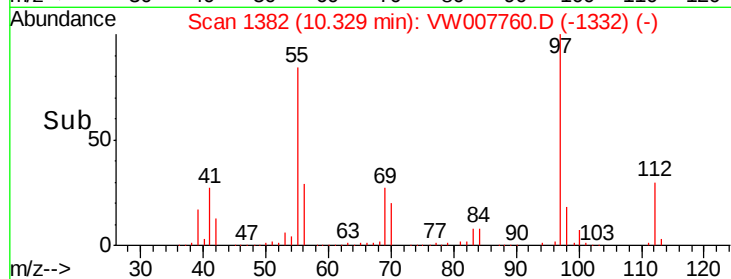
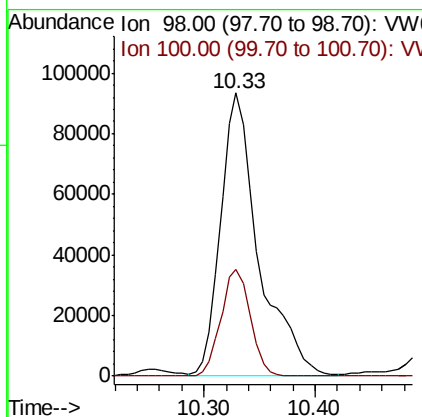
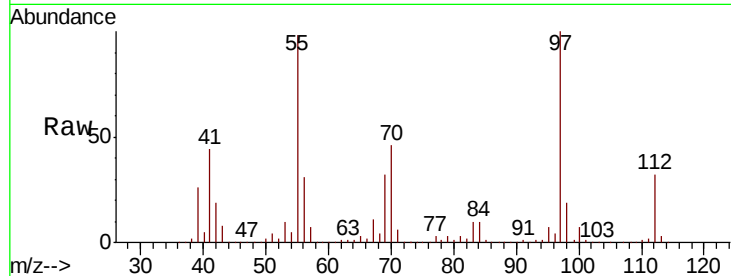
#50
Toluene-d8
Concen: 80.324 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

Tgt Ion: 98 Resp: 220678
Ion Ratio Lower Upper
98 100
100 29.1 52.2 78.2#

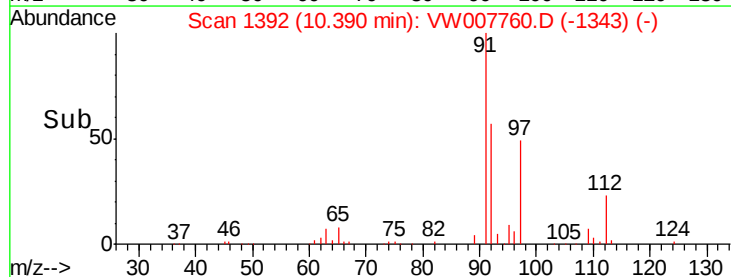
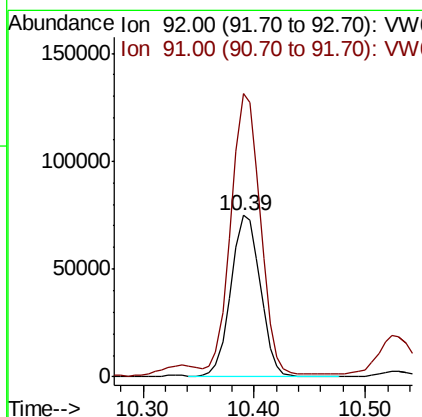
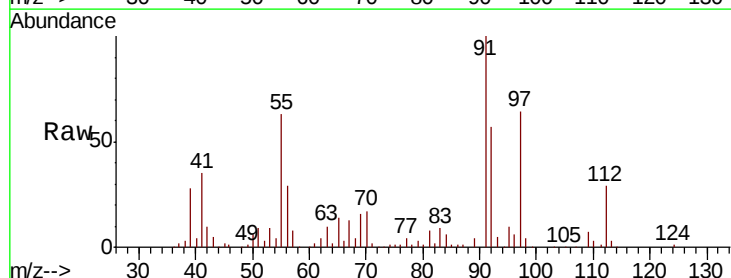
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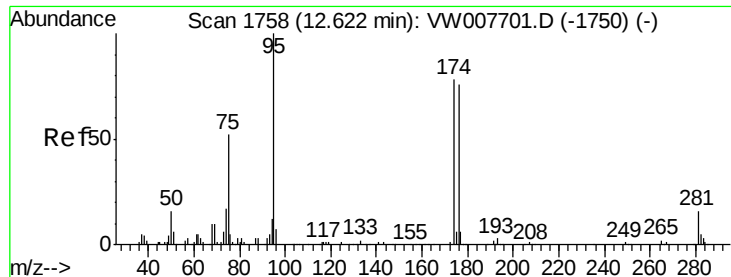
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#52
Toluene
Concen: 66.190 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 92 Resp: 136637
Ion Ratio Lower Upper
92 100
91 176.8 137.0 205.4





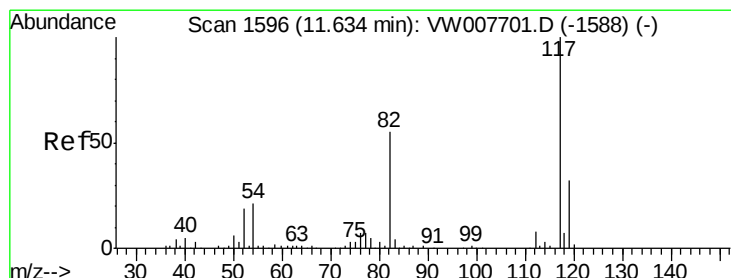
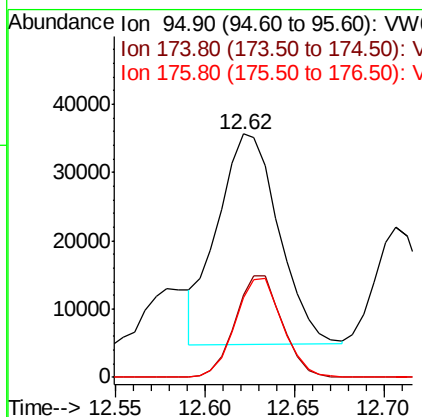
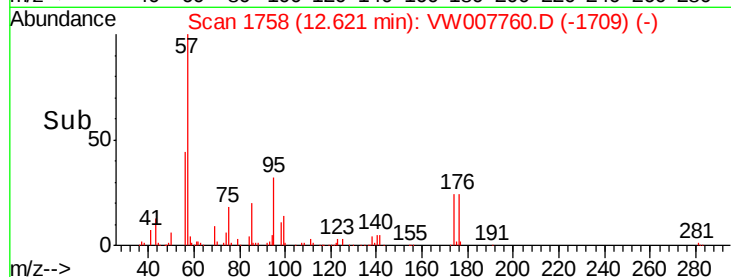
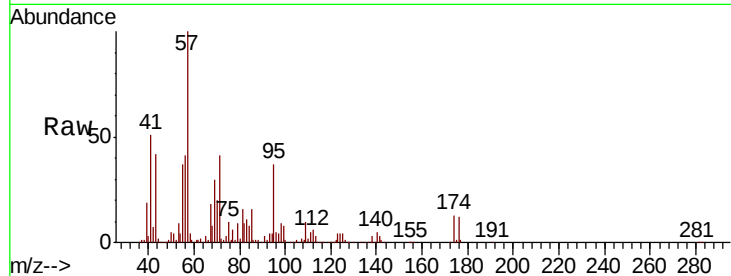
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4-Bromofluorobenzene
Concen: 69.575 ug/l m
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Instrument :
MSVOA_W
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Tgt Ion	Ratio	Lower	Upper
95	100		
174	37.0	0.0	152.2
176	36.0	0.0	146.8

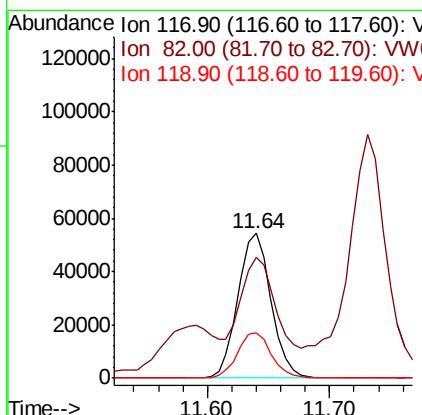
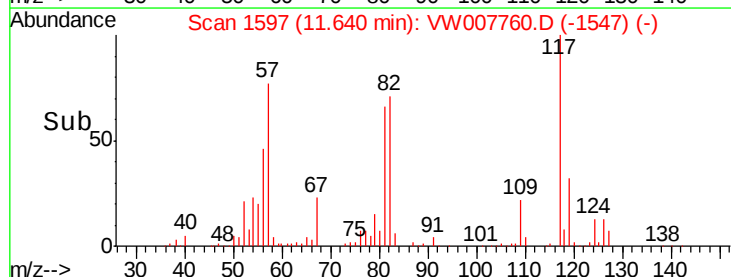
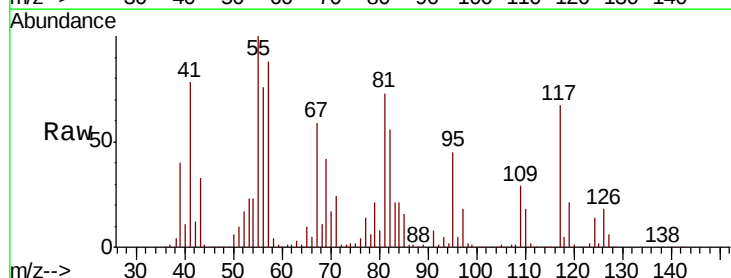
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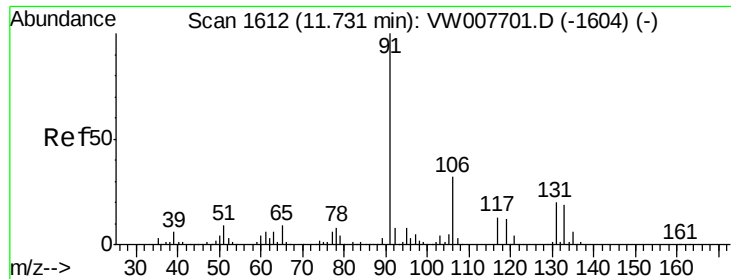
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.4	44.3	66.5
119	31.6	25.7	38.5





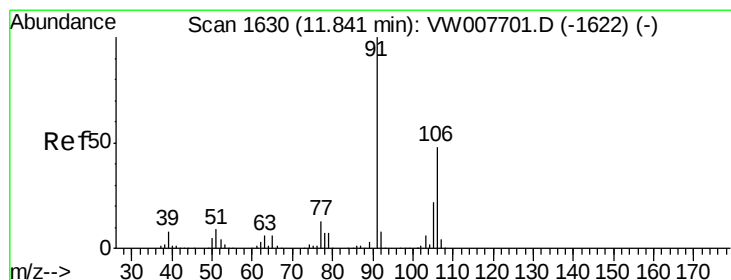
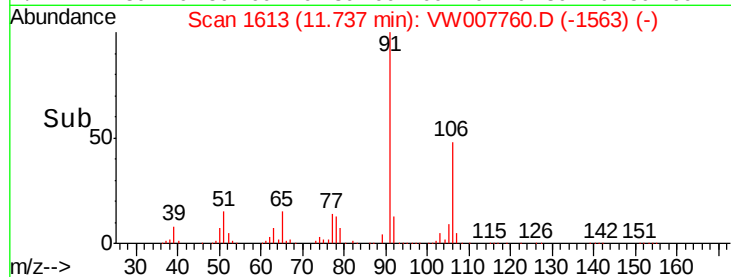
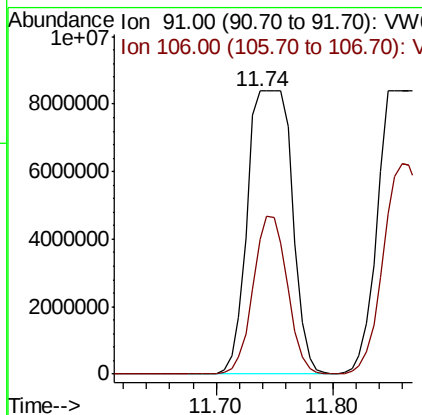
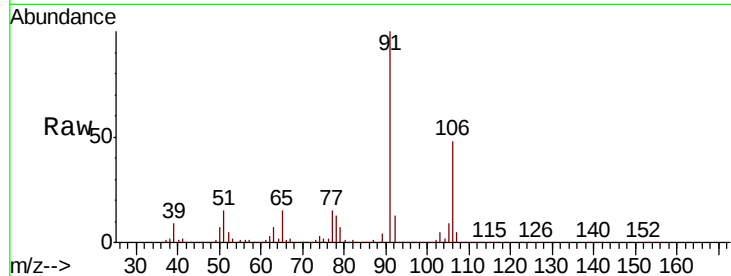
#67
Ethyl Benzene
Concen: 5908.613 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

Tgt Ion: 91 Resp:22355396
Ion Ratio Lower Upper
91 100
106 47.5 25.8 38.8#

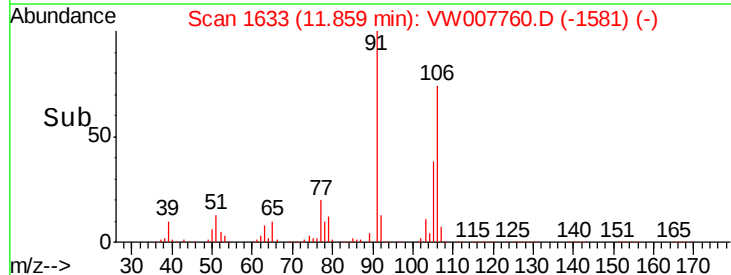
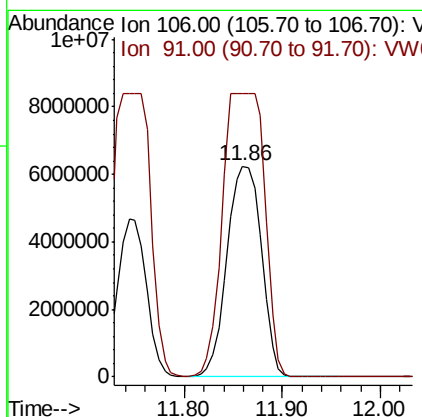
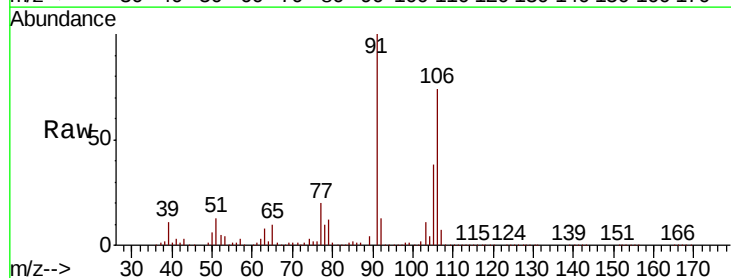
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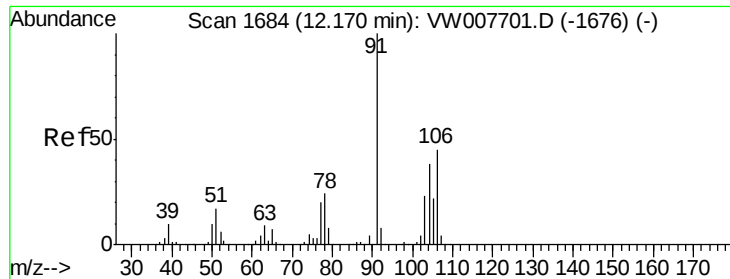
apatel
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#68
m/p-Xylenes
Concen: 10382.900 ug/l
RT: 11.86 min Scan# 1633
Delta R.T. 0.02 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion:106 Resp:15238829
Ion Ratio Lower Upper
106 100
91 0.0 165.2 247.8#





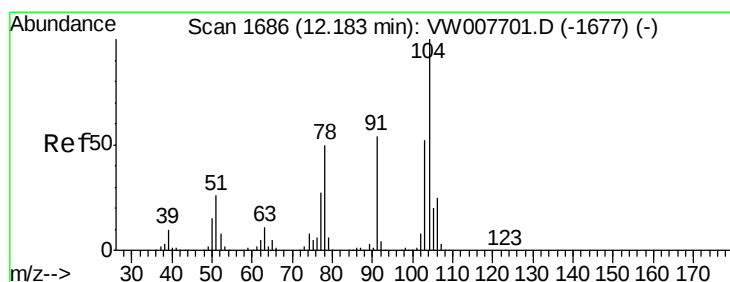
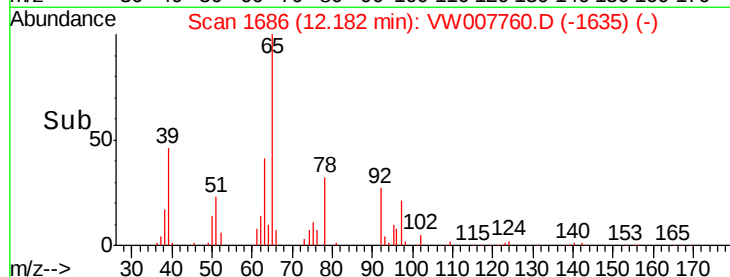
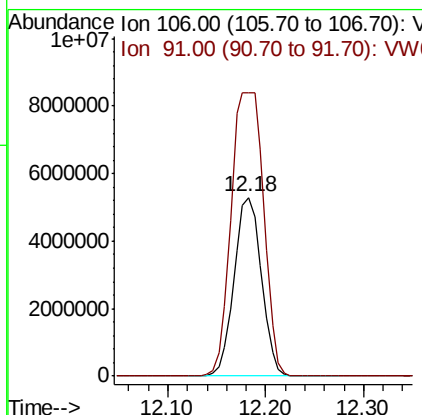
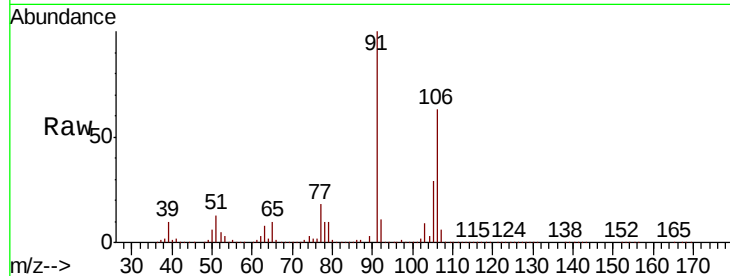
#69
o-Xylene
Concen: 7440.062 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

Tgt Ion:106 Resp:10235789
Ion Ratio Lower Upper
106 100
91 189.4 110.5 331.4

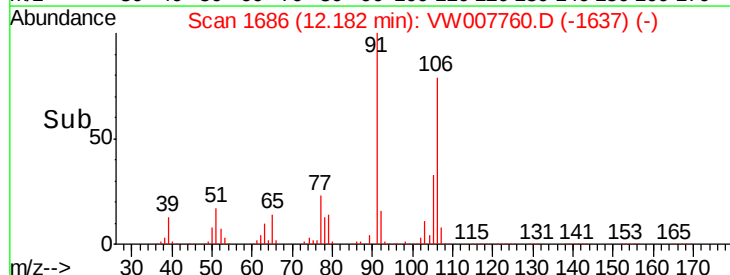
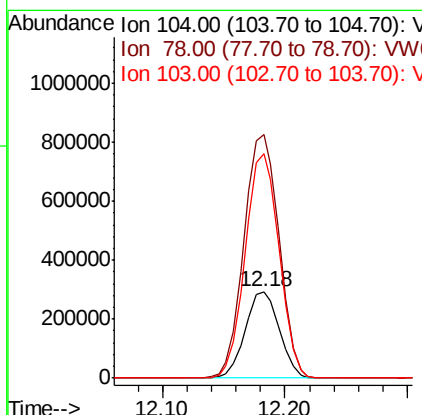
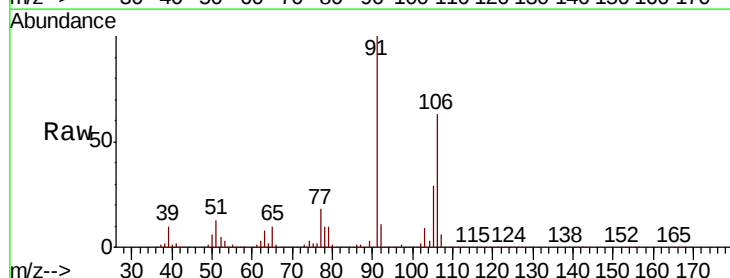
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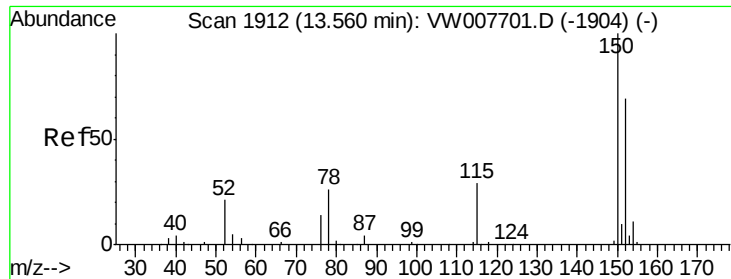
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#70
Styrene
Concen: 250.961 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion:104 Resp: 567544
Ion Ratio Lower Upper
104 100
78 289.6 43.4 65.0#
103 259.2 44.5 66.7#





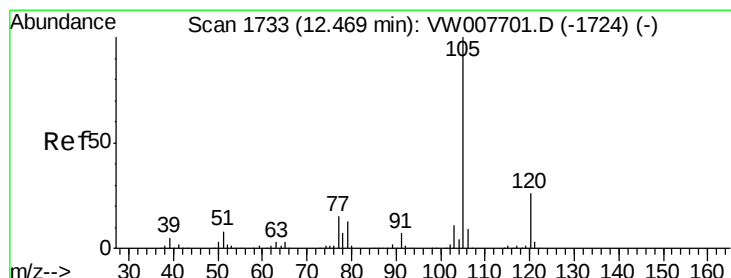
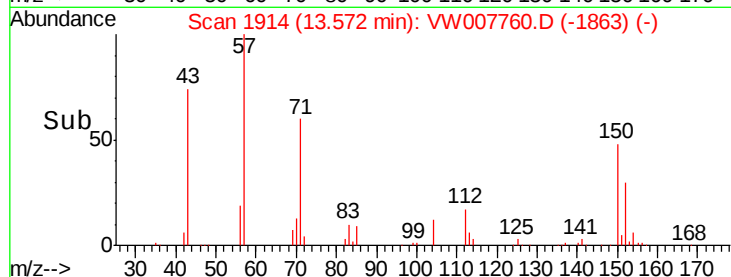
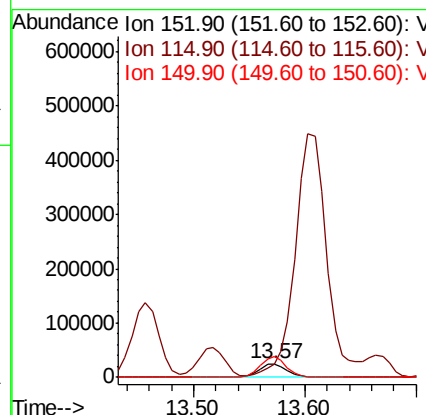
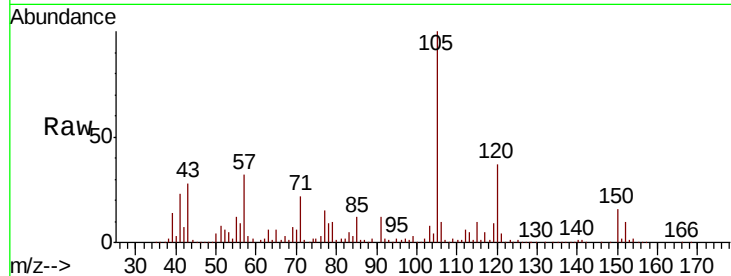
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1914
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

Tgt Ion:152 Resp: 41876
Ion Ratio Lower Upper
152 100
115 0.0 31.8 95.4#
150 147.7 0.0 350.8

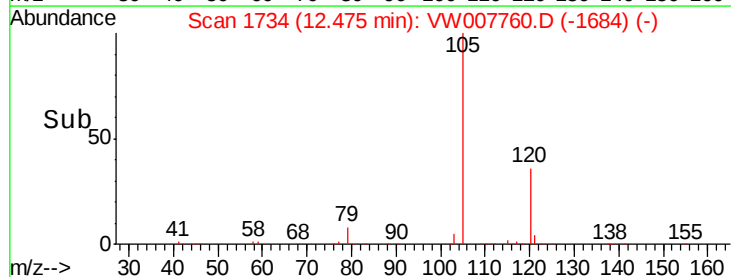
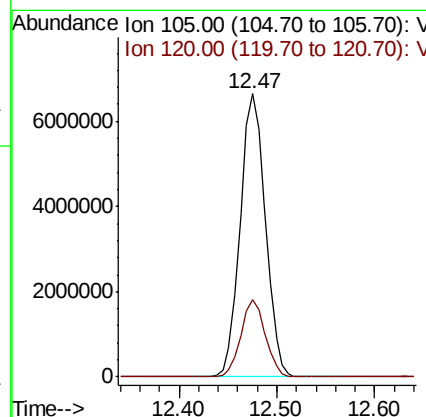
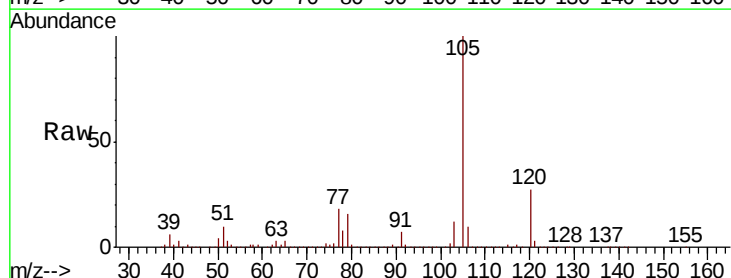
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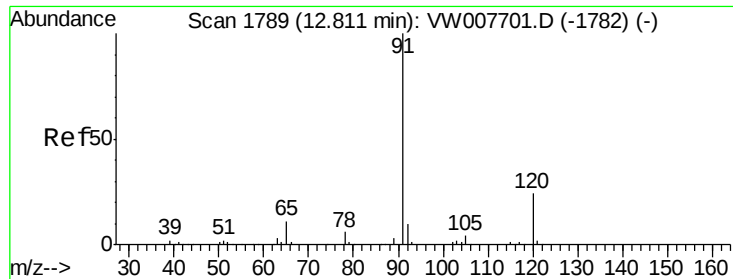
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#73
Isopropylbenzene
Concen: 3749.679 ug/l
RT: 12.47 min Scan# 1734
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion:105 Resp:11869080
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.3





#78

n-propylbenzene

Concen: 5132.108 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)

Tgt Ion: 91 Resp:18910179

Ion Ratio Lower Upper

91 100

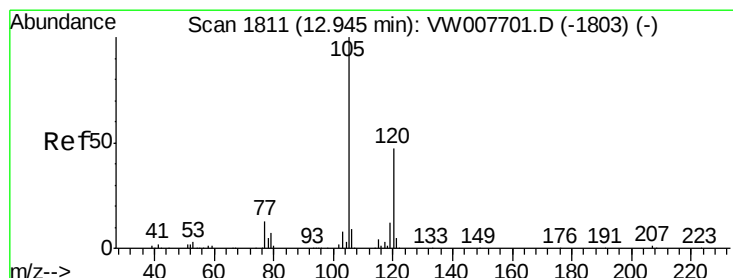
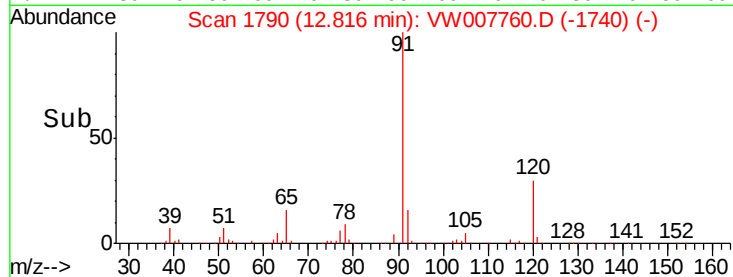
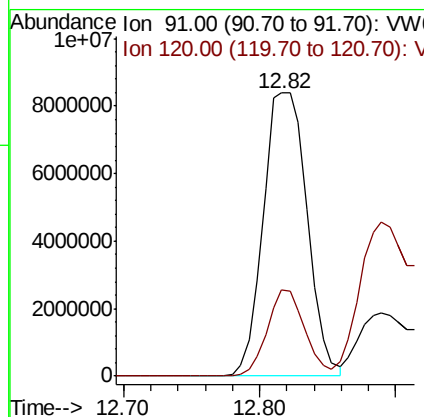
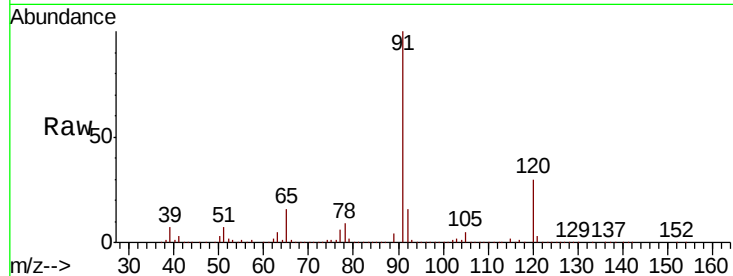
120 26.2 11.9 35.7

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#80

1,3,5-Trimethylbenzene

Concen: 6343.441 ug/l

RT: 12.96 min Scan# 1814

Delta R.T. 0.02 min

Lab File: VW007760.D

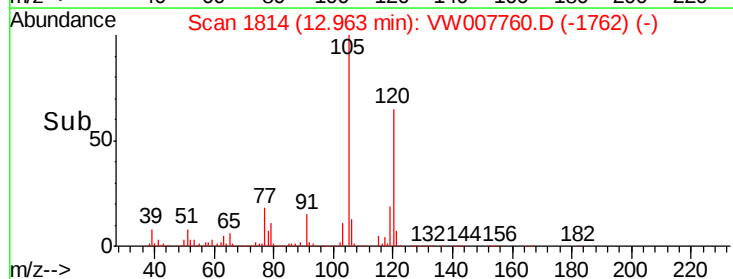
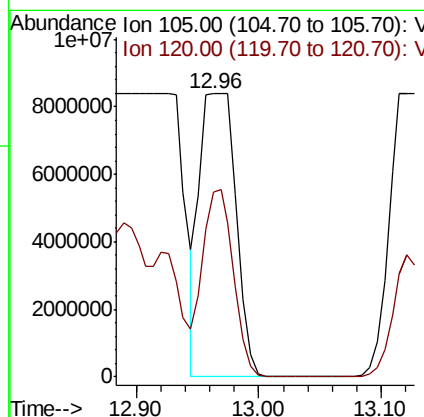
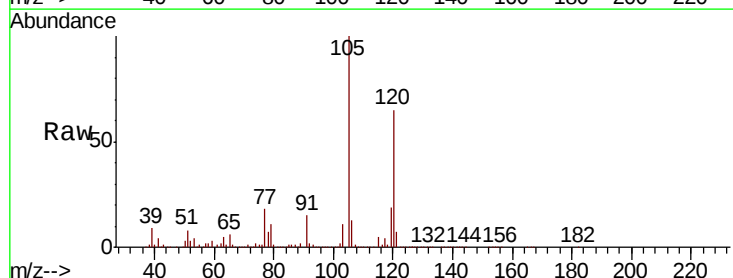
Acq: 20 Dec 2018 21:00

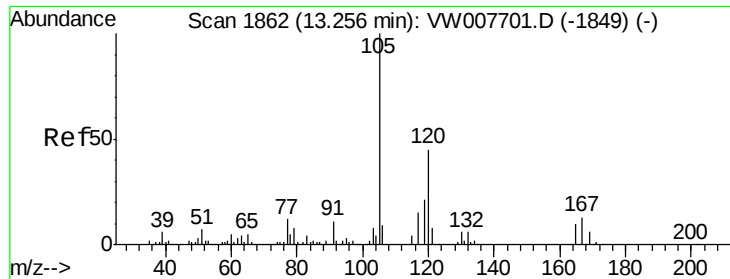
Tgt Ion:105 Resp:17319812

Ion Ratio Lower Upper

105 100

120 56.1 23.6 70.8





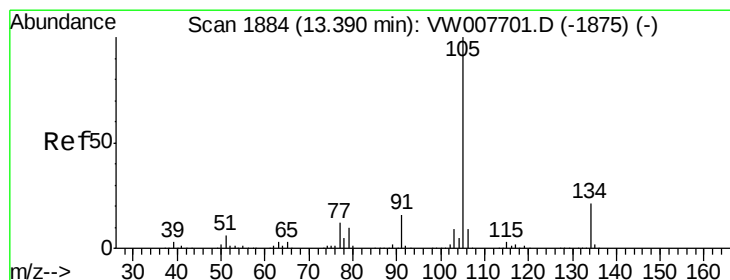
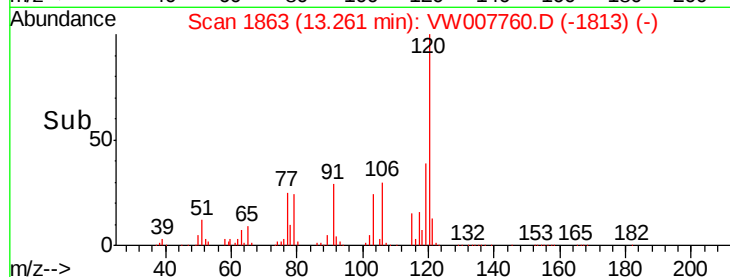
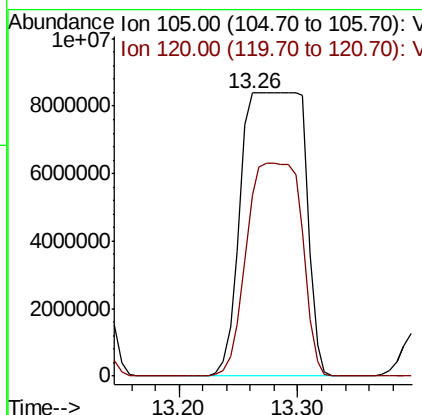
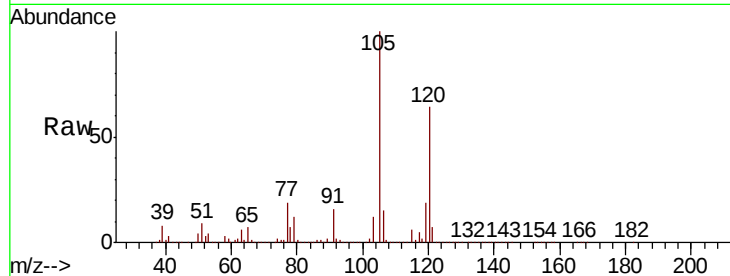
#84
 1,2,4-Trimethylbenzene
 Concen: 11273.191 ug/l m
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)

Tgt Ion:105 Resp:31058486
 Ion Ratio Lower Upper
 105 100
 120 20.3 22.0 66.0#

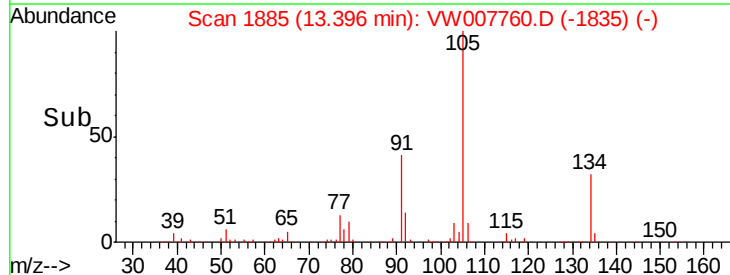
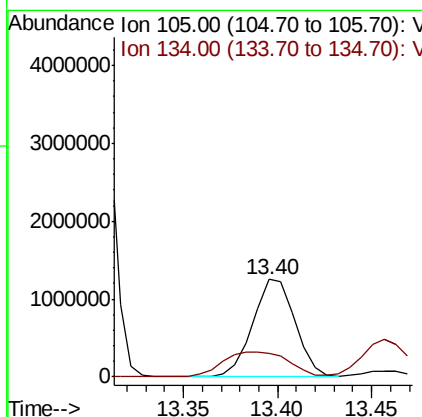
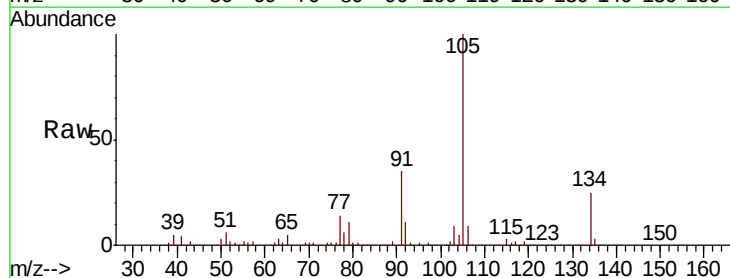
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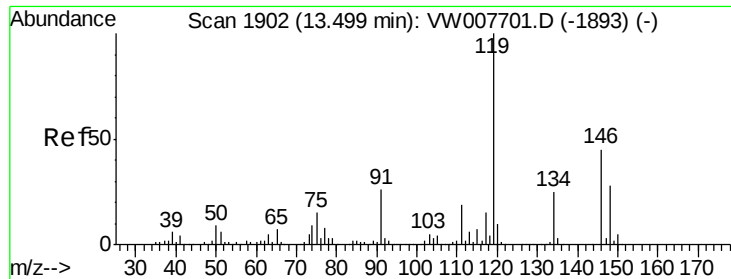
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#85
 sec-Butylbenzene
 Concen: 590.523 ug/l
 RT: 13.40 min Scan# 1885
 Delta R.T. 0.01 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

Tgt Ion:105 Resp: 1949711
 Ion Ratio Lower Upper
 105 100
 134 40.1 10.2 30.4#





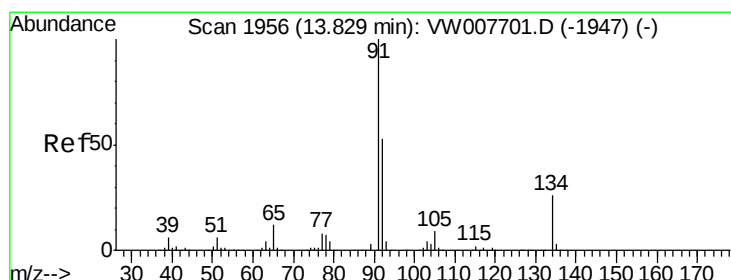
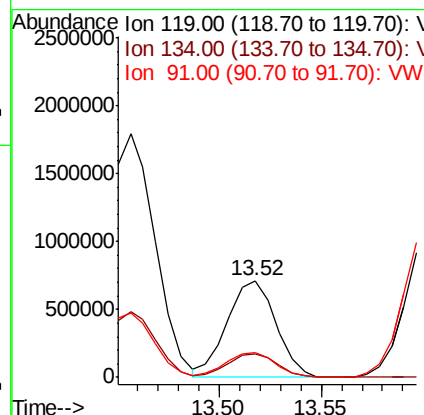
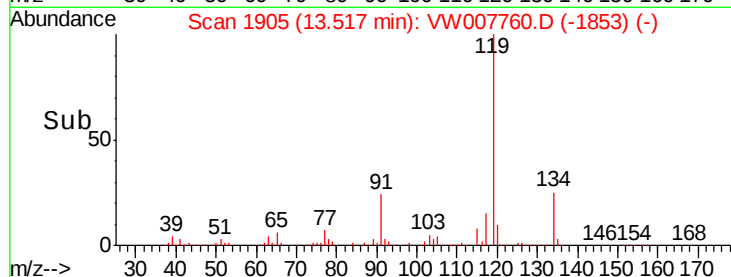
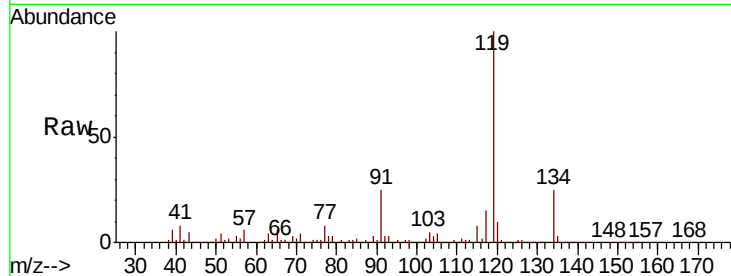
#86
p-Isopropyltoluene
Concen: 392.391 ug/l
RT: 13.52 min Scan# 1905
Delta R.T. 0.02 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

Tgt Ion: 119 Resp: 1178057
Ion Ratio Lower Upper
119 100
134 25.1 13.0 39.0
91 25.7 12.8 38.4

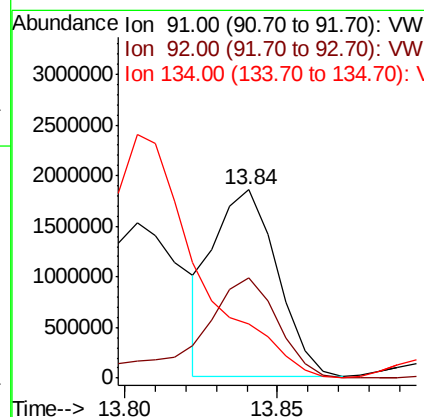
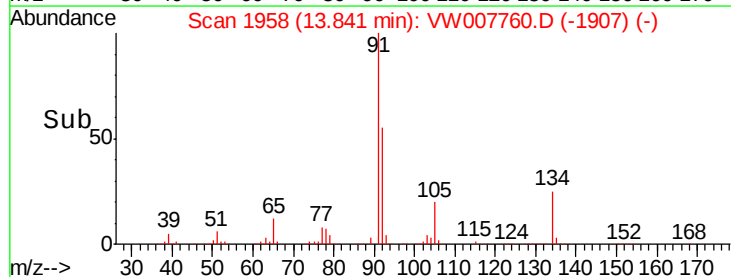
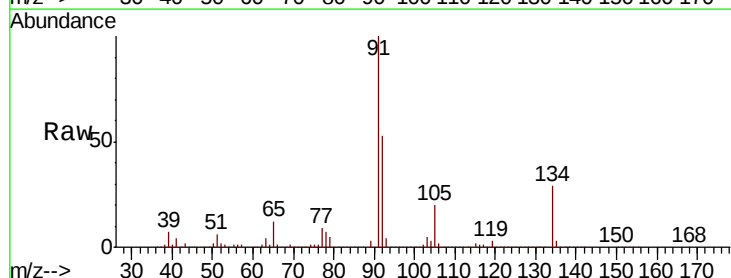
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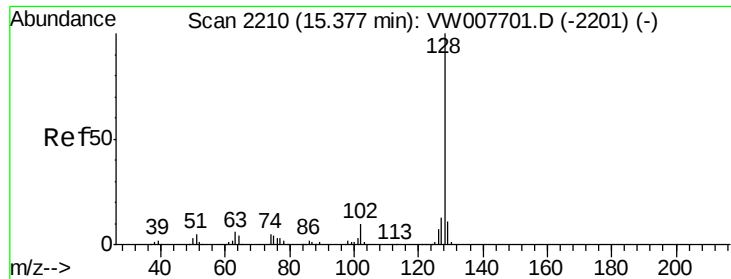
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#89
n-Butylbenzene
Concen: 958.483 ug/l
RT: 13.84 min Scan# 1958
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 91 Resp: 2638412
Ion Ratio Lower Upper
91 100
92 66.1 26.4 79.2
134 0.0 13.7 41.0#





#95
Naphthalene
Concen: 5626.379 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.7	16.1
129	11.4	8.8	13.2

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