

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002978.D
 Acq On : 22 Jun 2020 16:57
 Operator : SY/MD
 Sample : L3071-03
 Misc : 7.71G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-A

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 8:13:22 PM

Quant Time: Jun 23 09:49:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 20 06:39:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.86	168	111597m	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.71	114	13166	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.53	117	85743	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.44	152	56394	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.21	65	43410	47.09	ug/l	0.06
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	7.74	113	55180m	740.71	ug/l	0.02
Spiked Amount	50.000		Recovery	=	1481.42%	
50) Toluene-d8	10.22	98	2955061m	10060.33	ug/l	0.04
Spiked Amount	50.000		Recovery	=	20120.66%	
62) 4-Bromofluorobenzene	12.48	95	145902m	1431.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2863.92%	
Target Compounds						
					Qvalue	
30) Chloroform	7.57	83	10804990	6357.816	ug/l #	17
31) Cyclohexane	7.84	56	11223381m	7090.907	ug/l	
39) Methylcyclohexane	9.24	83	16108910	114287.822	ug/l #	73
40) Benzene	8.22	78	2480744	7792.821	ug/l	98
52) Toluene	10.25	92	71952046m	349238.243	ug/l	
67) Ethyl Benzene	11.58	91	61026245m	21798.449	ug/l	
68) m/p-Xylenes	11.70	106	55509092m	51024.886	ug/l	
69) o-Xylene	12.03	106	36432754m	35528.087	ug/l	
73) Isopropylbenzene	12.32	105	28696322m	8302.716	ug/l	
78) n-propylbenzene	12.66	91	33234405m	8288.227	ug/l	
80) 1,3,5-Trimethylbenzene	12.73	105	69461447m	24107.713	ug/l	
83) tert-Butylbenzene	13.09	119	122776m	47.572	ug/l	
84) 1,2,4-Trimethylbenzene	13.11	105	34936911m	12050.079	ug/l	
85) sec-Butylbenzene	13.26	105	6252383	1780.928	ug/l #	42
86) p-Isopropyltoluene	13.38	119	1721731	522.836	ug/l	96
89) n-Butylbenzene	13.70	91	4930031	1656.065	ug/l #	70
95) Naphthalene	15.23	128	4441224	1912.857	ug/l	99

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

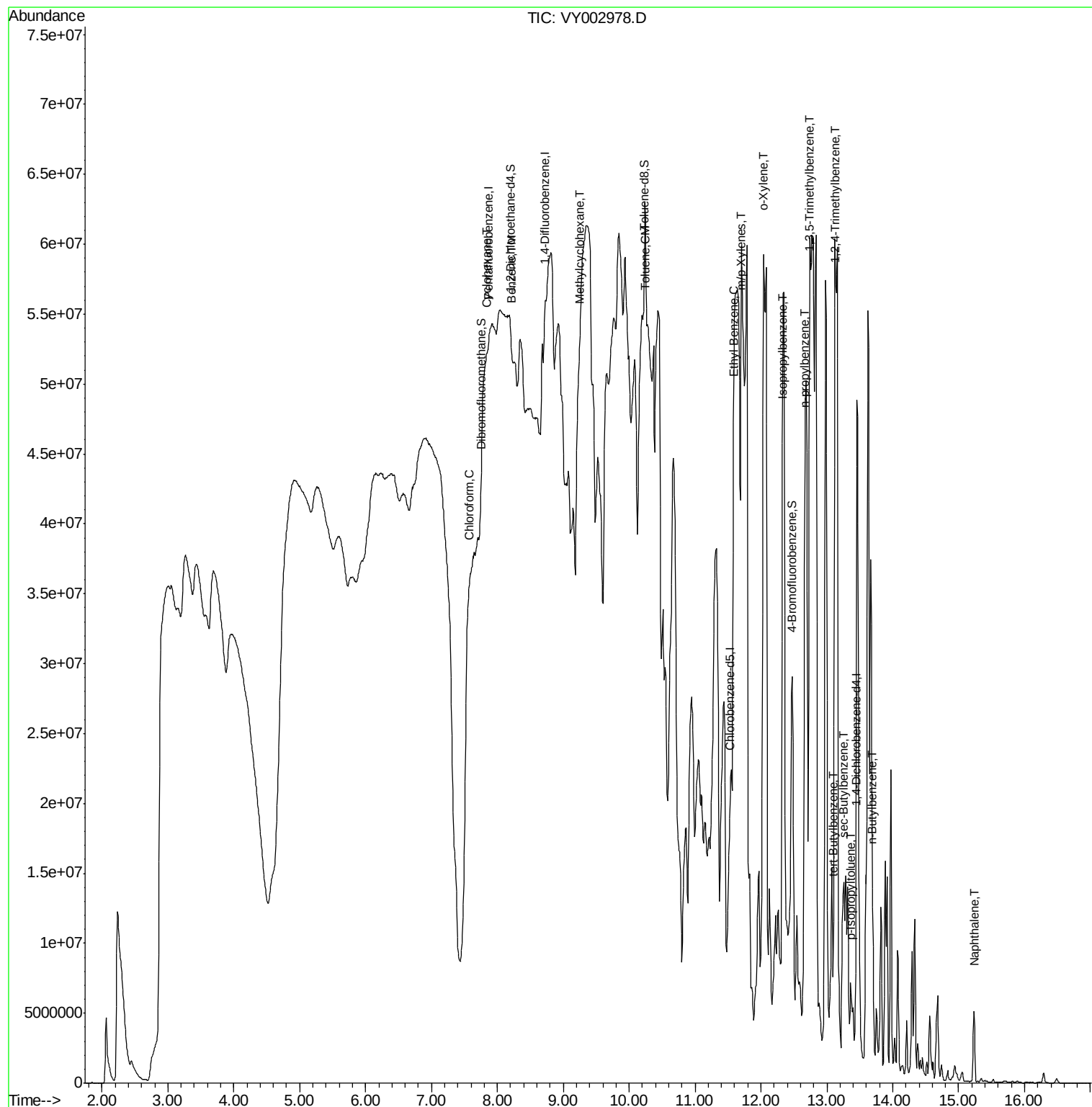
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002978.D
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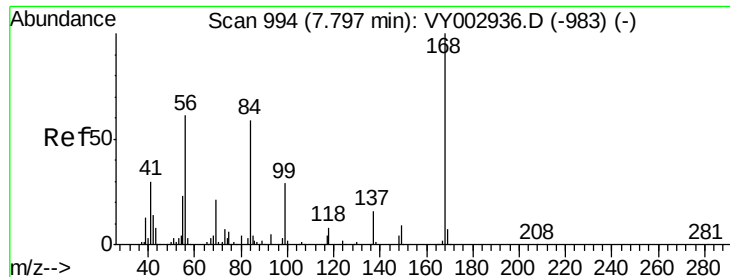
Instrument :
MSVOA_Y
ClientSampleId :
SB-A

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Quant Time: Jun 23 09:49:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 20 06:39:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l m

RT: 7.86 min Scan# 1004

Delta R.T. 0.06 min

Lab File: VY002978.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

SB-A

Tot Ion:168 Resp: 111597

Ion Ratio Lower Upper

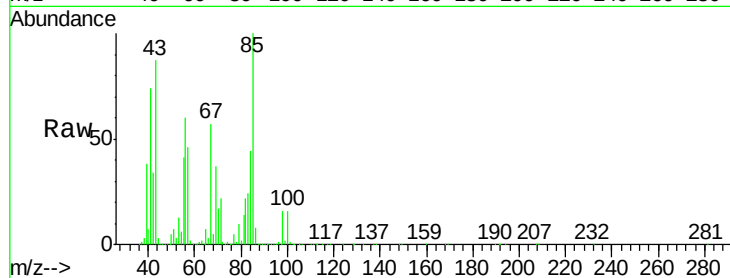
168 100

99 1101.7 39.5 59.3

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Abundance Ion 167.90 (167.60 to 168.60): VY002936.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002936.D (-983) (-)

120000

100000

80000

60000

40000

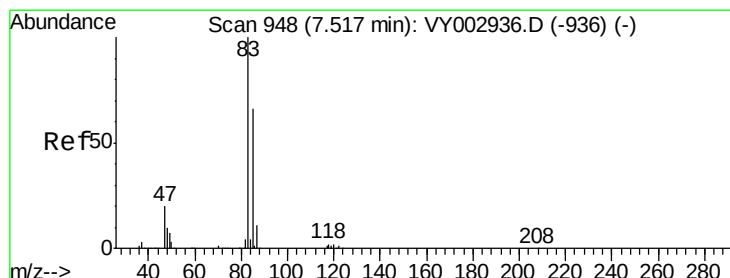
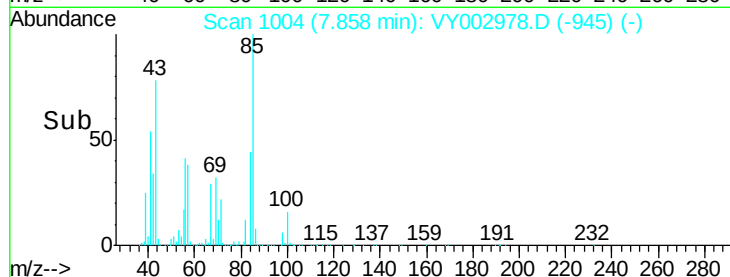
20000

0

7.80

8.00

Time-->



#30

Chloroform

Concen: 6357.816 ug/l

RT: 7.57 min Scan# 957

Delta R.T. 0.06 min

Lab File: VY002978.D

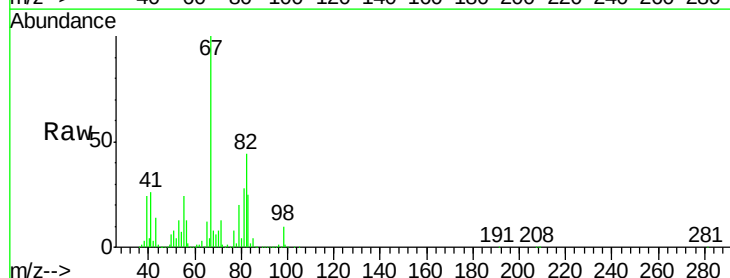
Acq: 22 Jun 2020 16:57

Tgt Ion: 83 Resp:10804990

Ion Ratio Lower Upper

83 100

85 0.0 53.1 79.7#



Abundance Ion 82.90 (82.60 to 83.60): VY002936.D (-936) (-)

Ion 84.90 (84.60 to 85.60): VY002936.D (-936) (-)

2000000

1500000

1000000

500000

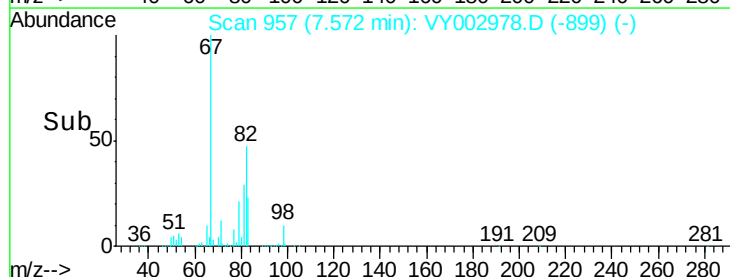
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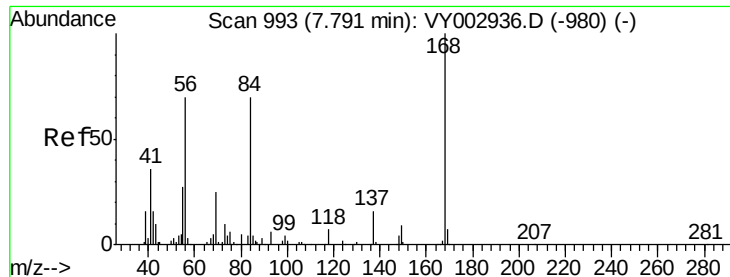
7.40

7.50

7.60

Time-->





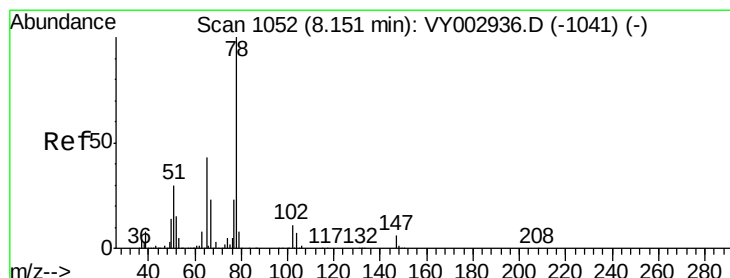
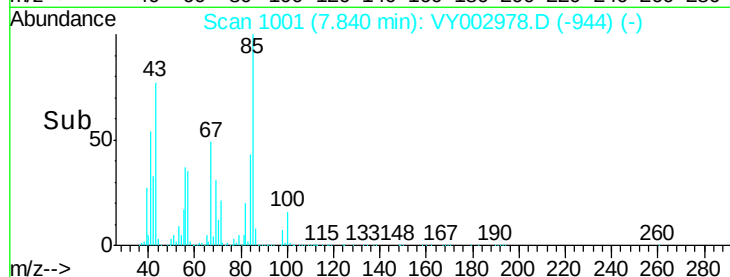
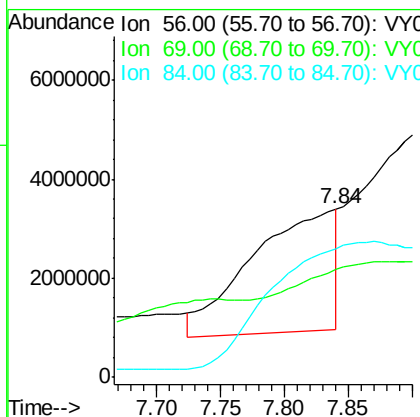
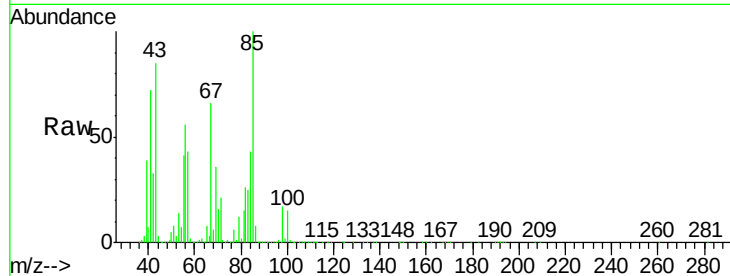
#31
Cyclohexane
Concen: 7090.907 ug/l m
RT: 7.84 min Scan# 1001
Delta R.T. 0.05 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_Y
ClientSampled :
SB-A

Tot Ion: 56 Resp: 11223381
Ion Ratio Lower Upper
56 100
69 64.1 28.9 43.3#
84 76.6 80.1 120.1#

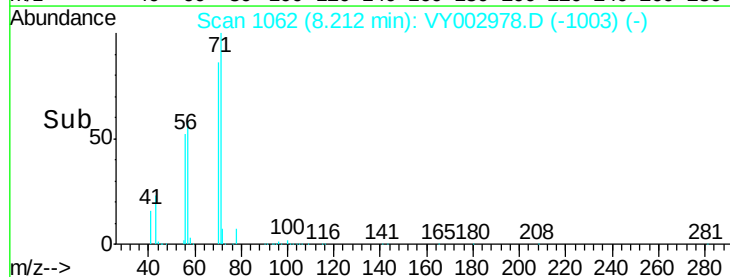
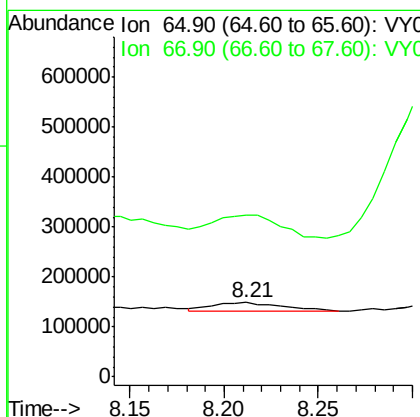
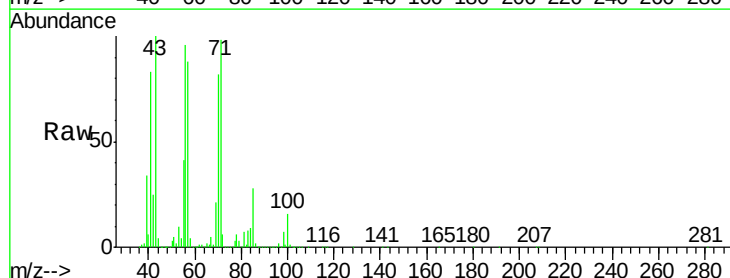
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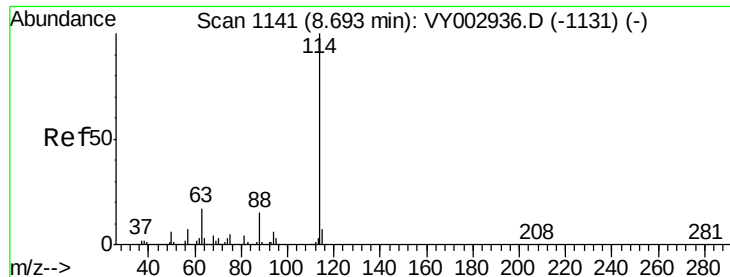
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#33
1,2-Dichloroethane-d4
Concen: 47.094 ug/l
RT: 8.21 min Scan# 1062
Delta R.T. 0.06 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Tgt Ion: 65 Resp: 43410
Ion Ratio Lower Upper
65 100
67 259.5 0.0 109.4#





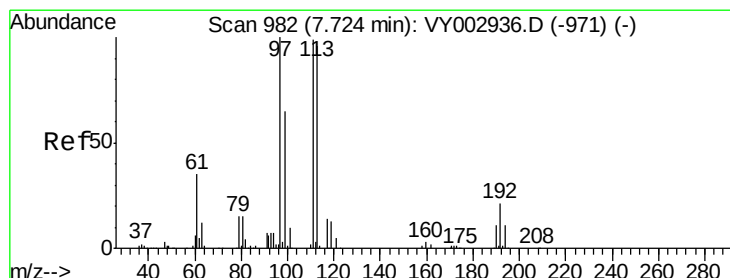
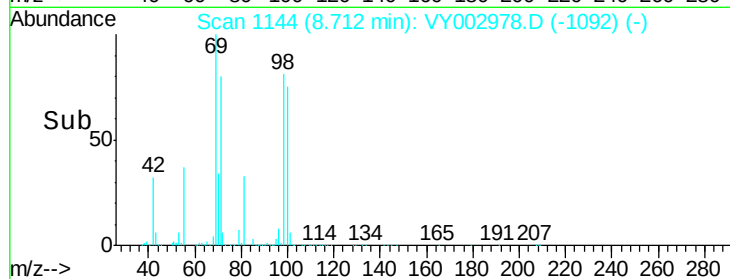
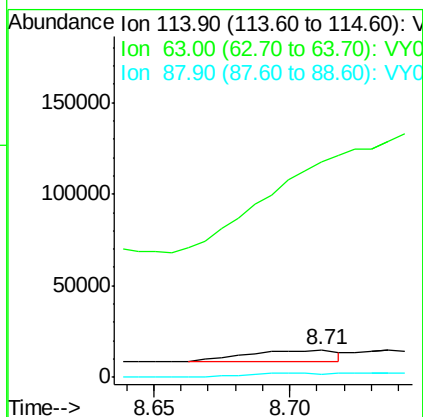
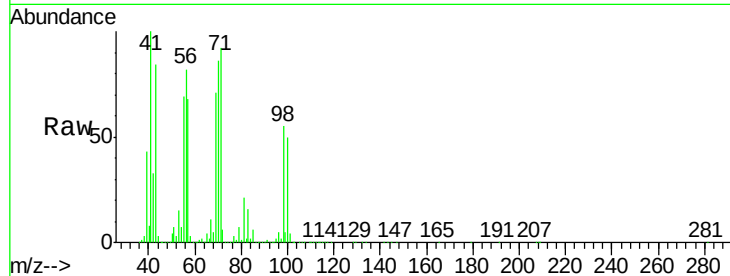
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-A

Tot Ion	Ratio	Resp	Lower	Upper
114	100			
63	751.4	0.0	34.6#	
88	25.1	0.0	29.2	

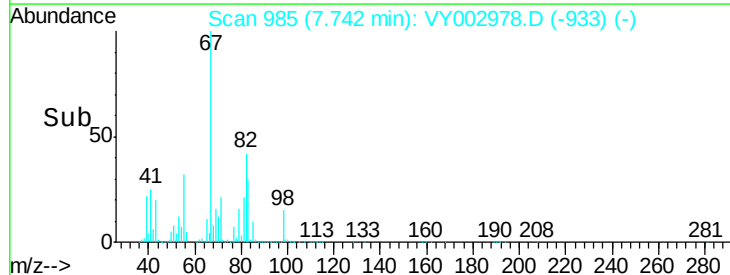
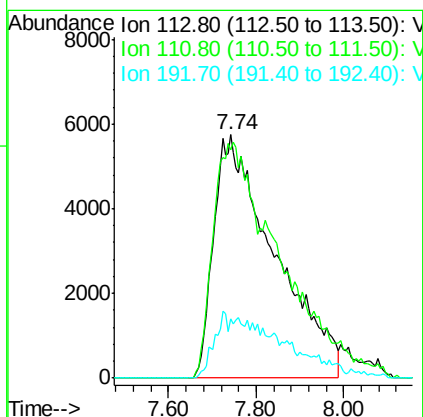
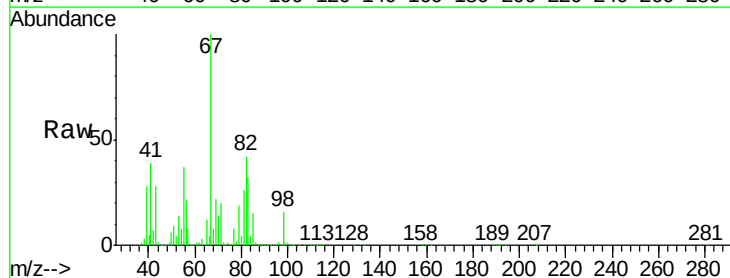
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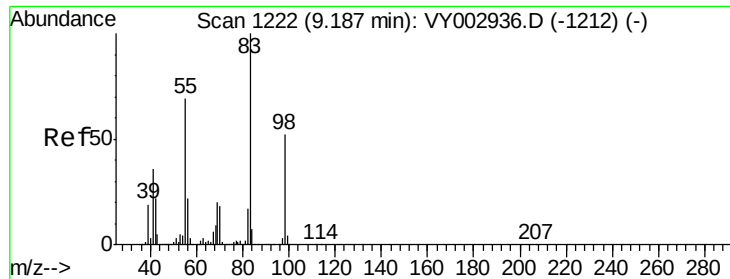
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#35
Dibromofluoromethane
Concen: 740.708 ug/l m
RT: 7.74 min Scan# 985
Delta R.T. 0.02 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
111	65.0	81.5	122.3#	
192	0.0	19.2	28.8#	





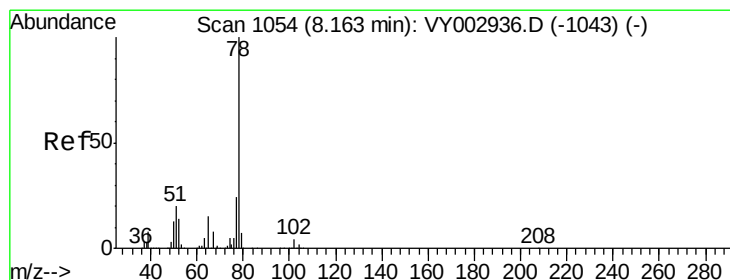
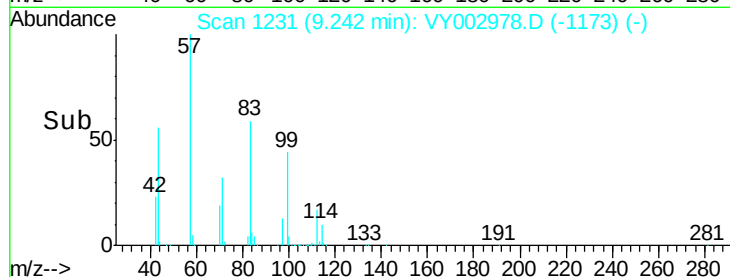
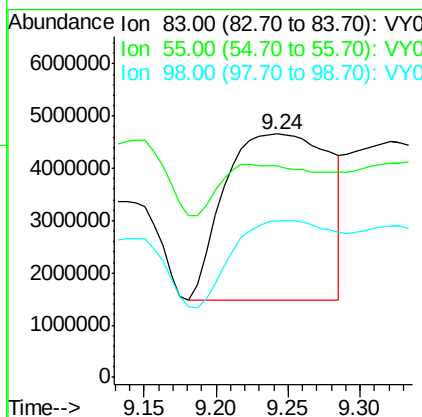
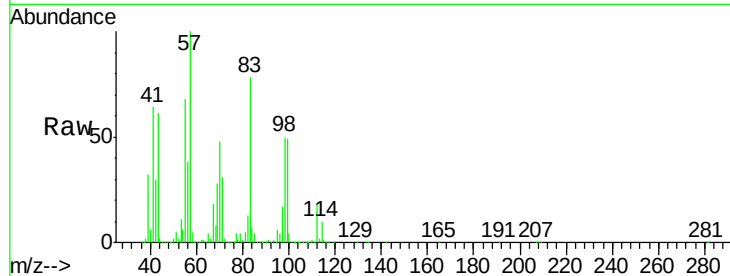
#39
Methylvlcyclohexane
Concen: 114287.822 ug/l
RT: 9.24 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_Y
ClientSampled :
SB-A

Tot Ion: 83 Resp:16108910
Ion Ratio Lower Upper
83 100
55 30.3 55.0 82.4#
98 51.8 41.4 62.2

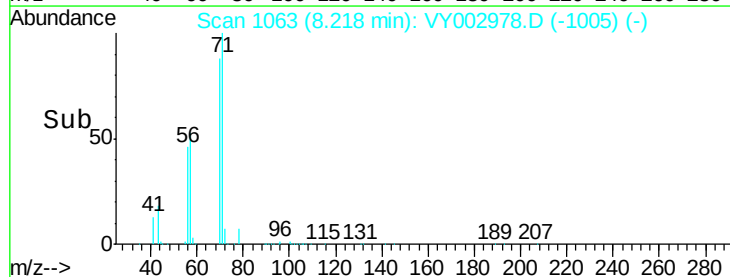
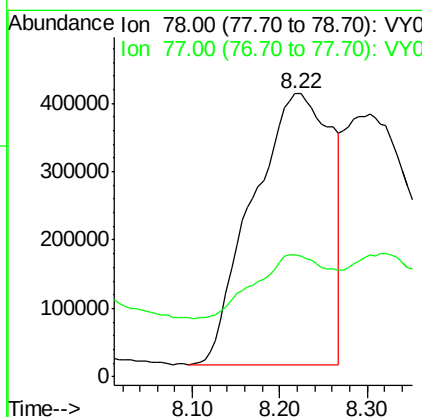
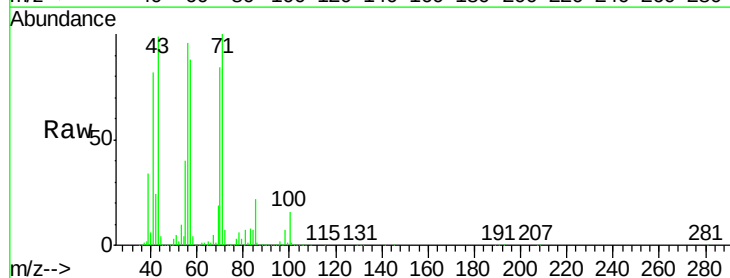
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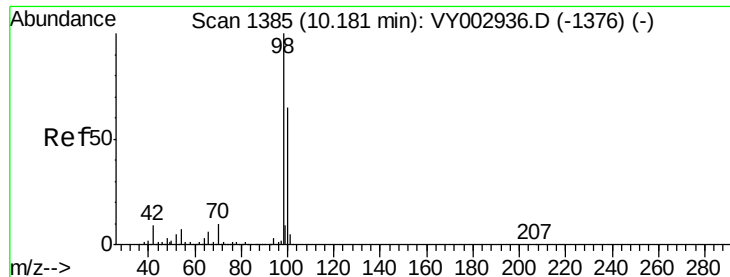
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#40
Benzene
Concen: 7792.821 ug/l
RT: 8.22 min Scan# 1063
Delta R.T. 0.06 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Tgt Ion: 78 Resp: 2480744
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9





#50

Toluene-d8

Concen: 10060.327 ug/l m

RT: 10.22 min Scan# 1392

Delta R.T. 0.04 min

Lab File: VY002978.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_Y

ClientSampled :

SB-A

Tot Ion: 98 Resp: 2955061

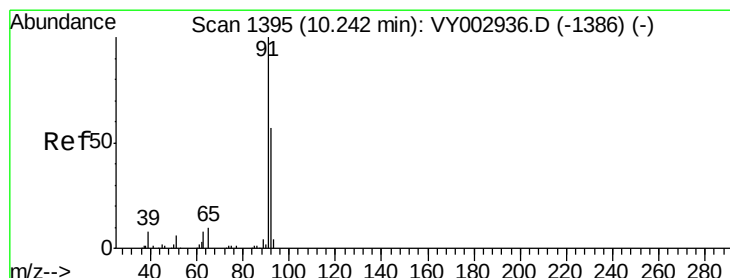
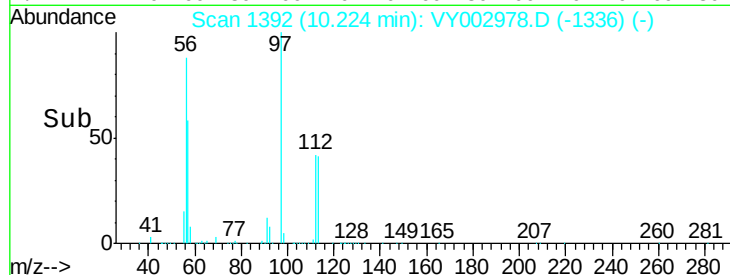
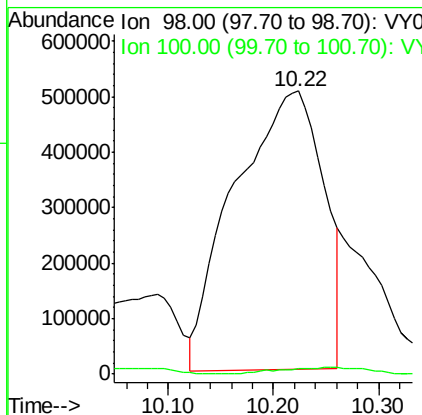
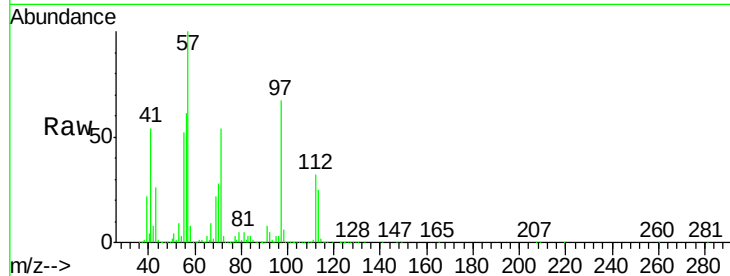
Ion Ratio Lower Upper

98 100

100 0.0 51.9 77.9#

Manual Integrations
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#52

Toluene

Concen: 349238.243 ug/l m

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY002978.D

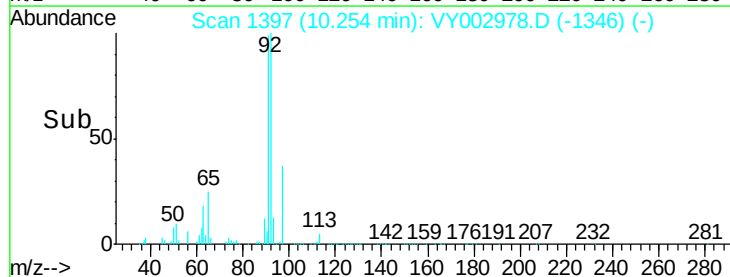
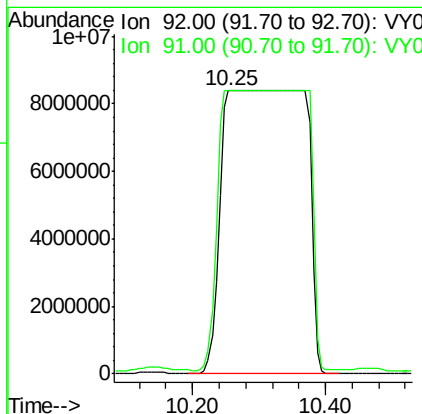
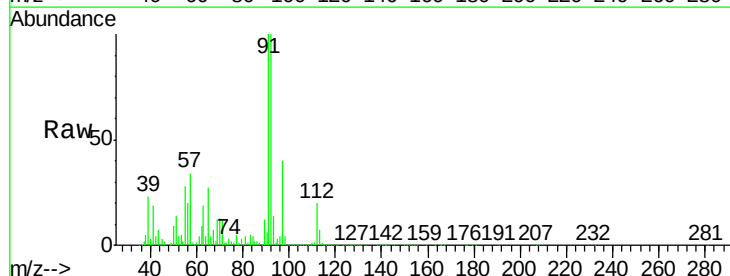
Acq: 22 Jun 2020 16:57

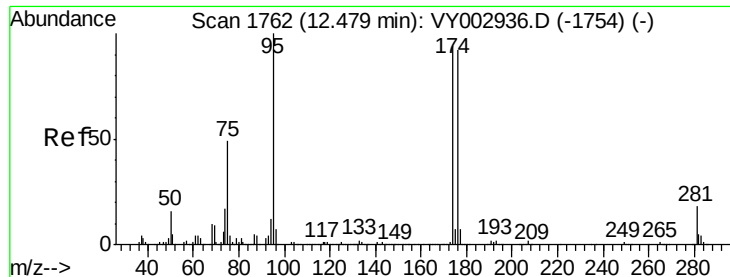
Tgt Ion: 92 Resp: 71952046

Ion Ratio Lower Upper

92 100

91 0.0 139.3 208.9#





#62

4-Bromofluorobenzene

Concen: 1431.957 ug/l m

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002978.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_Y

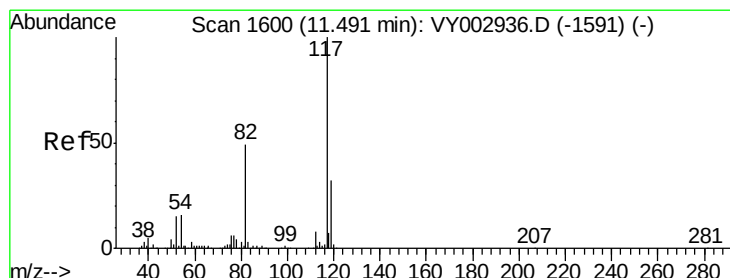
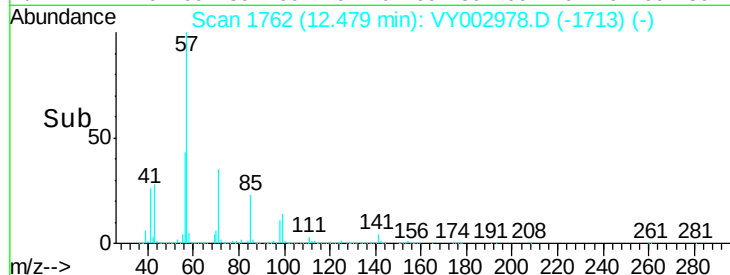
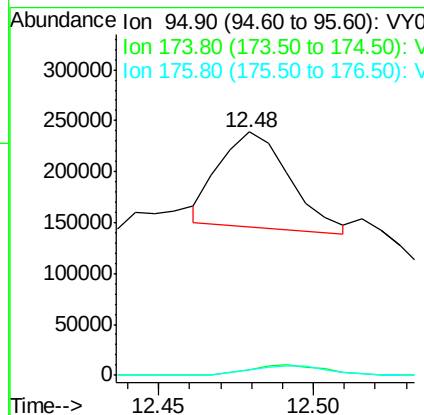
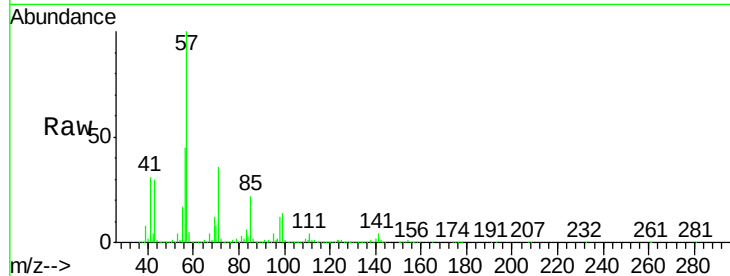
ClientSampled :

SB-A

Tot Ion:	95	Resp:	145902
Ion Ratio	Lower	Upper	
95	100		
174	12.2	0.0	191.2
176	11.5	0.0	186.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

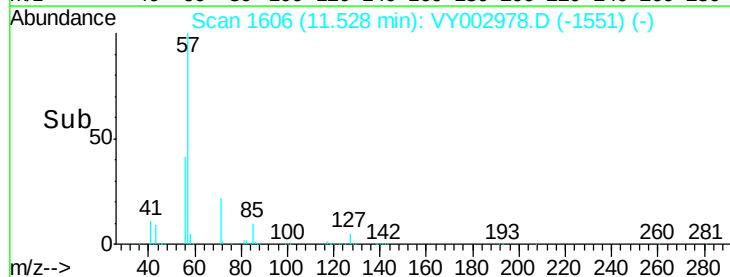
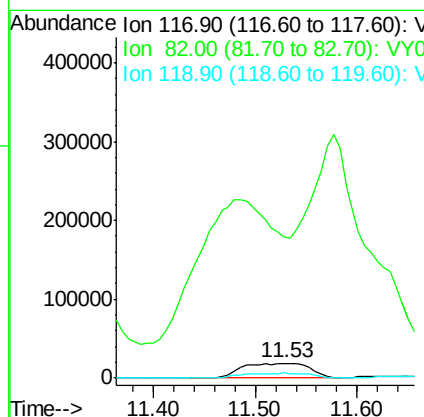
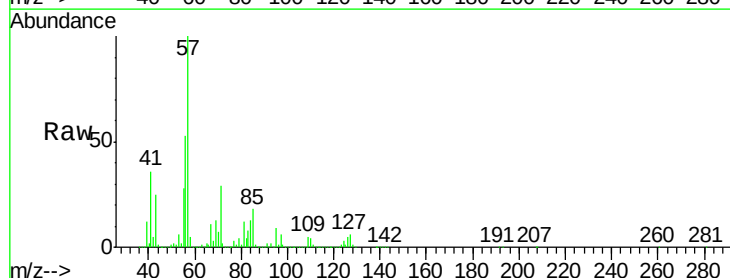
RT: 11.53 min Scan# 1606

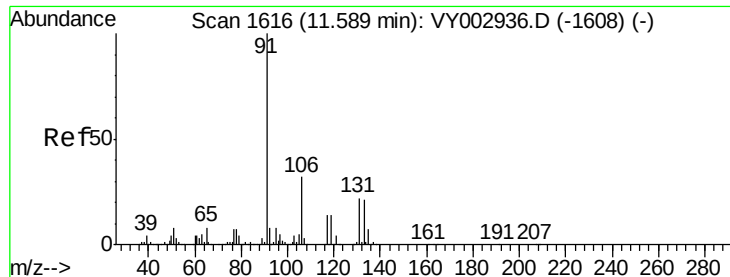
Delta R.T. 0.04 min

Lab File: VY002978.D

Acq: 22 Jun 2020 16:57

Tgt Ion:	117	Resp:	85743
Ion Ratio	Lower	Upper	
117	100		
82	247.9	39.4	59.0#
119	32.8	25.4	38.0





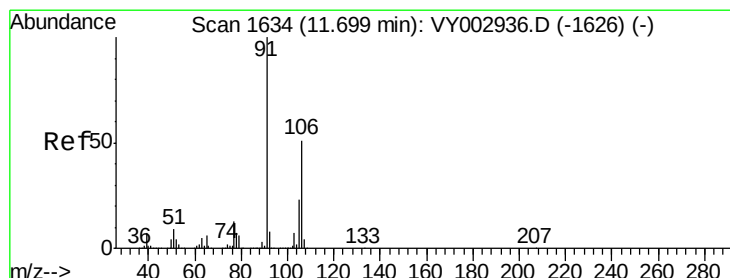
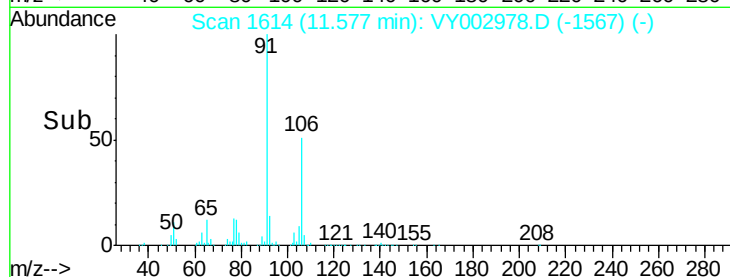
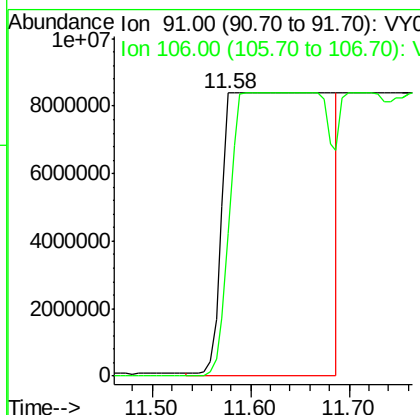
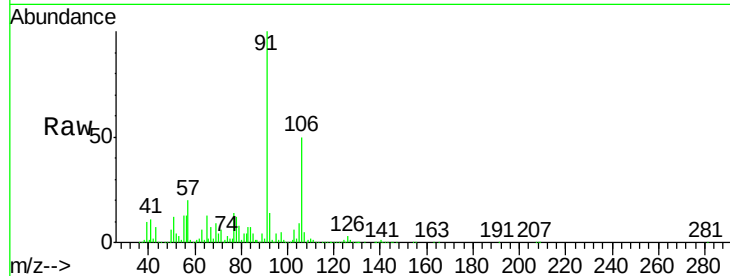
#67
Ethyl Benzene
Concen: 21798.449 ug/l m
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_Y
ClientSampled :
SB-A

Tot Ion: 91 Resp:61026245
Ion Ratio Lower Upper
91 100
106 50.3 25.8 38.8#

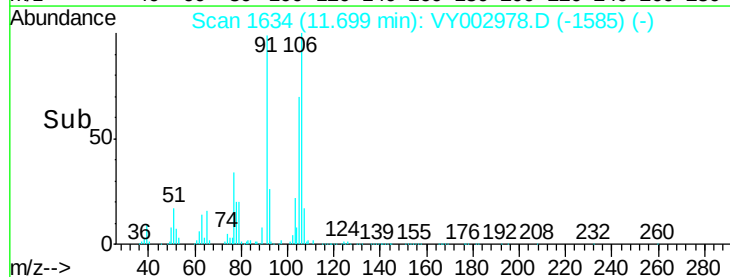
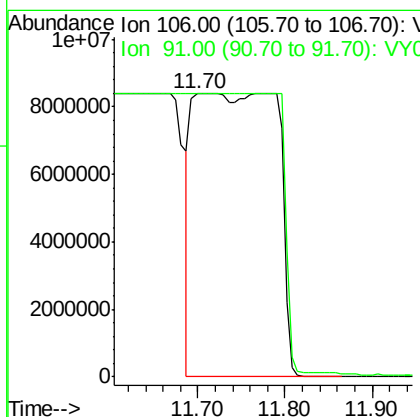
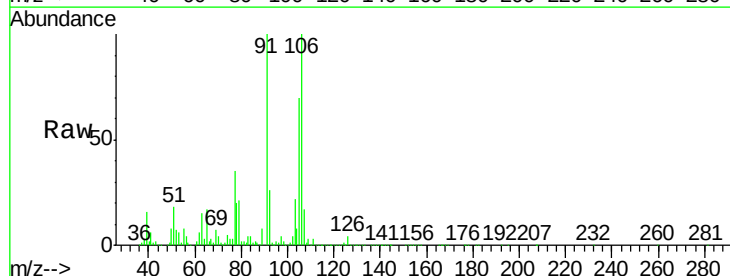
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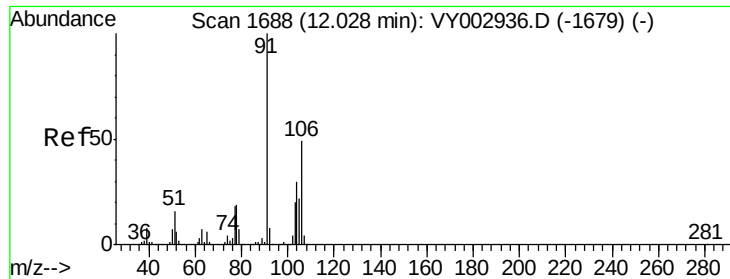
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#68
m/p-Xylenes
Concen: 51024.886 ug/l m
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Tgt Ion:106 Resp:55509092
Ion Ratio Lower Upper
106 100
91 0.0 155.9 233.9#





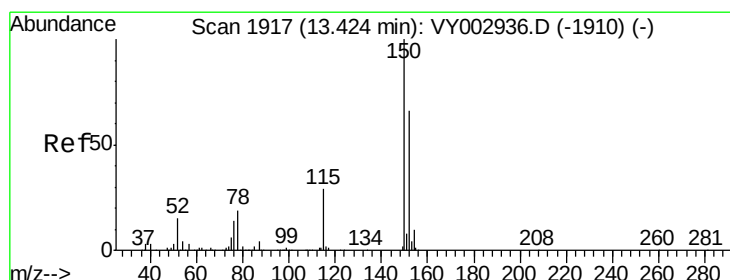
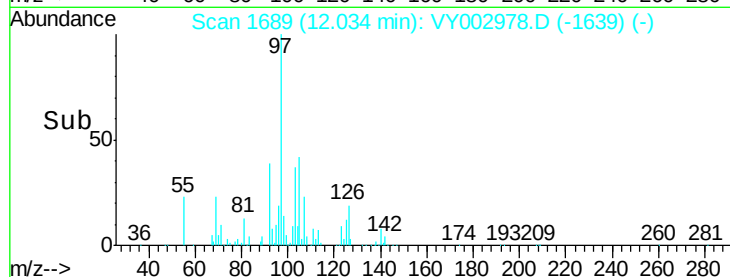
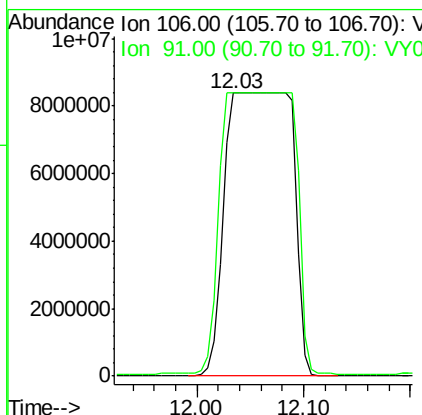
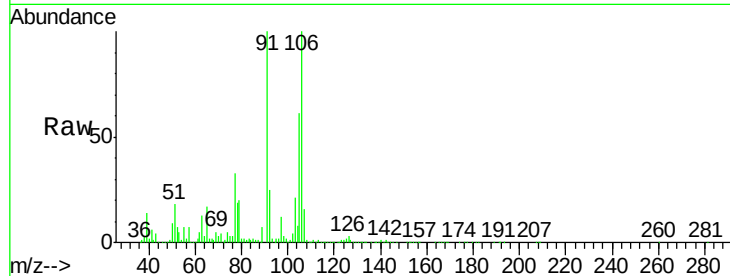
#69
o-Xylene
Concen: 35528.087 ug/l m
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-A

Tot Ion:106 Resp:36432754
Ion Ratio Lower Upper
106 100
91 0.0 102.1 306.1#

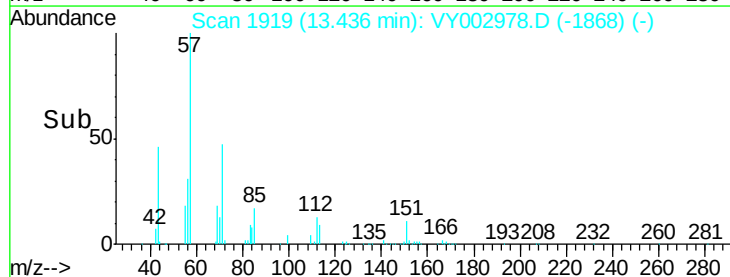
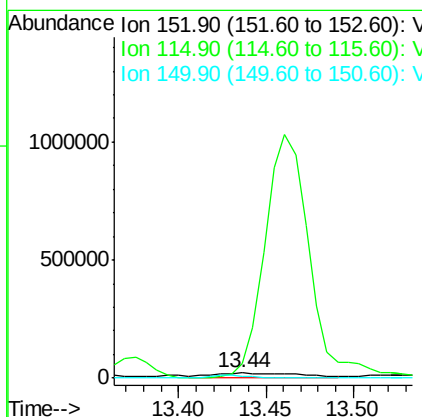
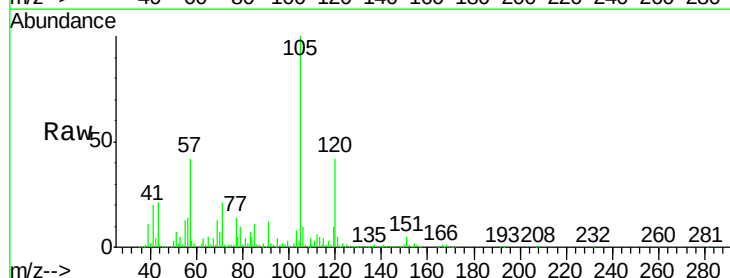
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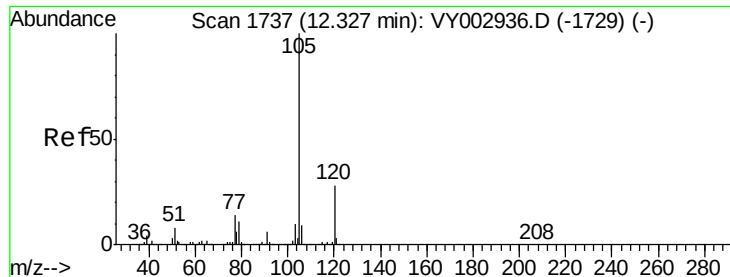
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Tgt Ion:152 Resp: 56394
Ion Ratio Lower Upper
152 100
115 0.0 26.9 80.6#
150 30.3 0.0 341.8





#73

Isopropylbenzene

Concen: 8302.716 ug/l m

RT: 12.32 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VY002978.D

Acq: 22 Jun 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

SB-A

Tot Ion:105 Resp:28696322

Ion Ratio Lower Upper

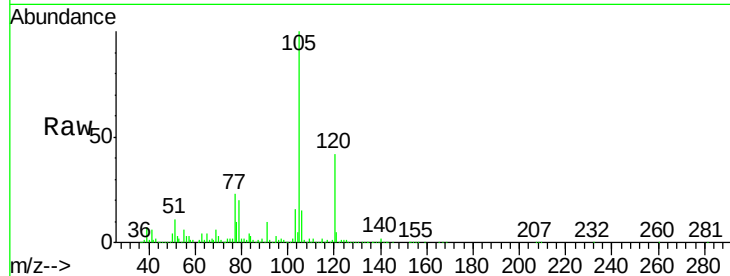
105 100

120 0.0 14.0 41.9#

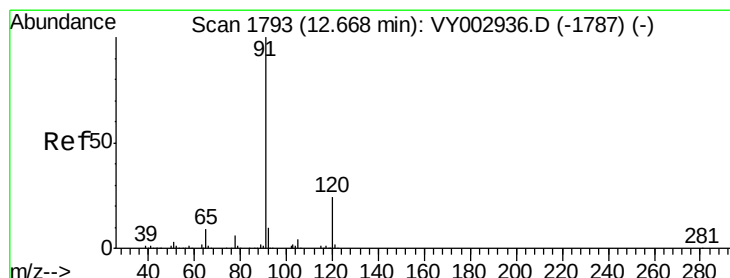
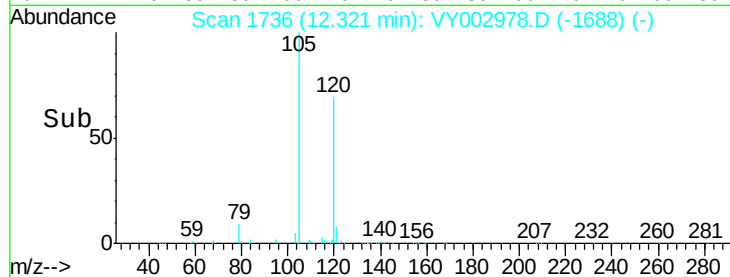
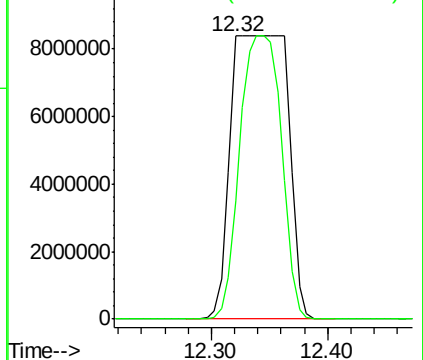
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 8288.227 ug/l m

RT: 12.66 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VY002978.D

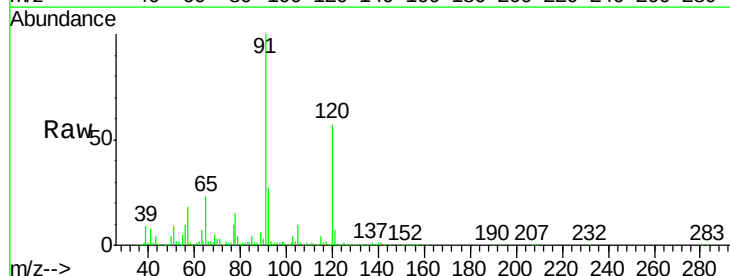
Acq: 22 Jun 2020 16:57

Tgt Ion: 91 Resp:33234405

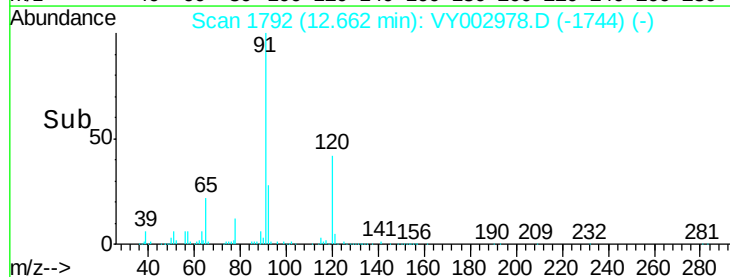
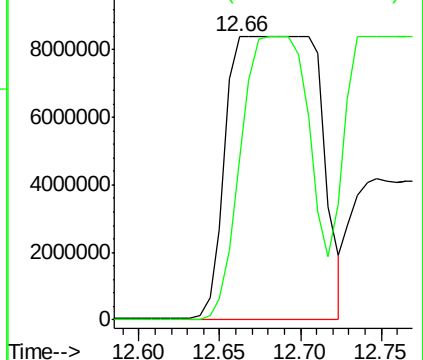
Ion Ratio Lower Upper

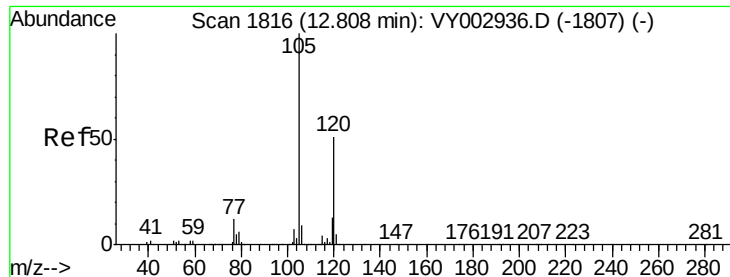
91 100

120 7.8 12.3 36.9#



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





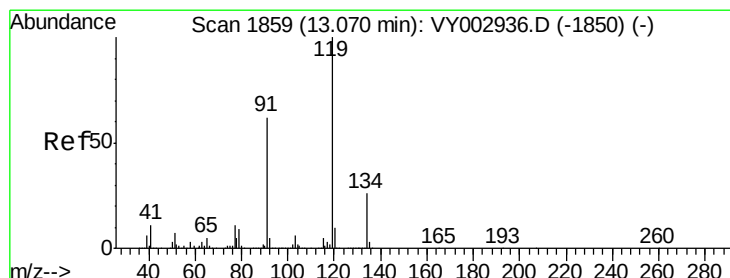
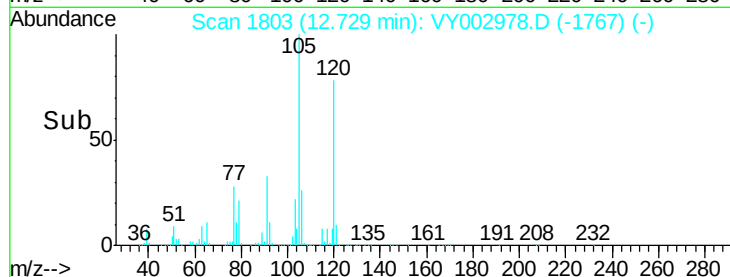
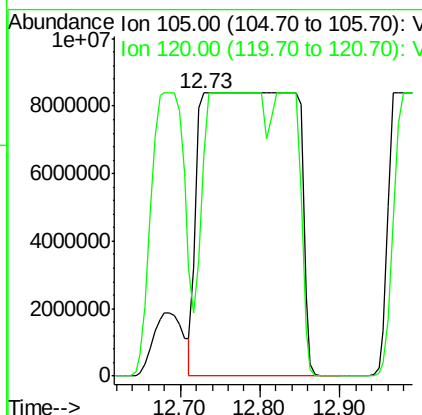
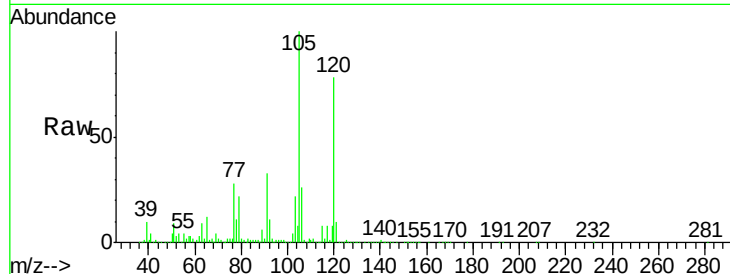
#80
 1,3,5-Trimethylbenzene
 Concen: 24107.713 ug/l m
 RT: 12.73 min Scan# 1803
 Delta R.T. -0.08 min
 Lab File: VY002978.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_Y
 ClientSampled :
 SB-A

Tot Ion:105 Resp:69461447
 Ion Ratio Lower Upper
 105 100
 120 3.8 25.6 76.6#

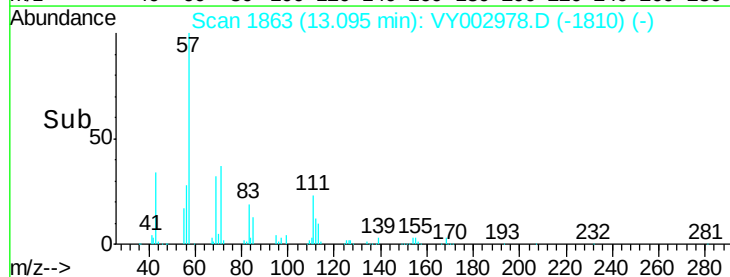
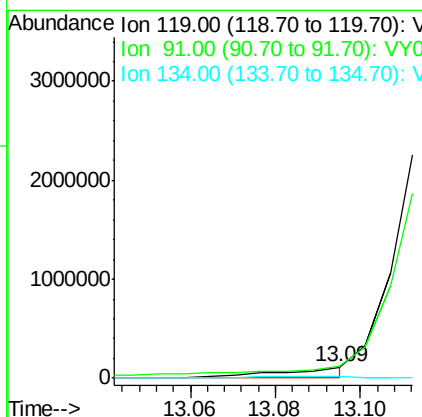
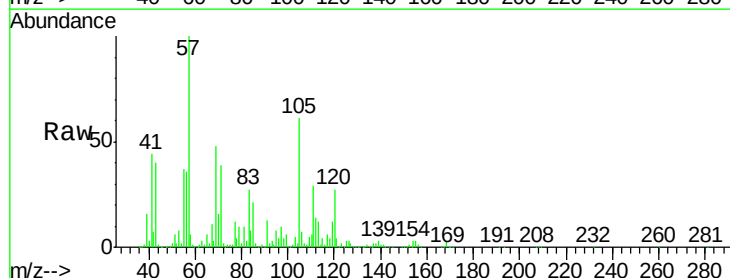
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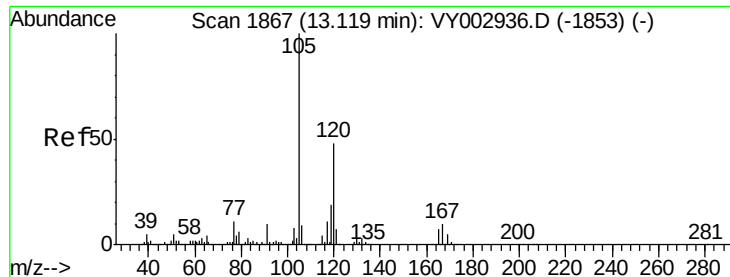
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#83
 tert-Butylbenzene
 Concen: 47.572 ug/l m
 RT: 13.09 min Scan# 1863
 Delta R.T. 0.02 min
 Lab File: VY002978.D
 Acq: 22 Jun 2020 16:57

Tgt Ion:119 Resp: 122776
 Ion Ratio Lower Upper
 119 100
 91 8739.2 29.9 89.7#
 134 0.0 13.3 39.8#





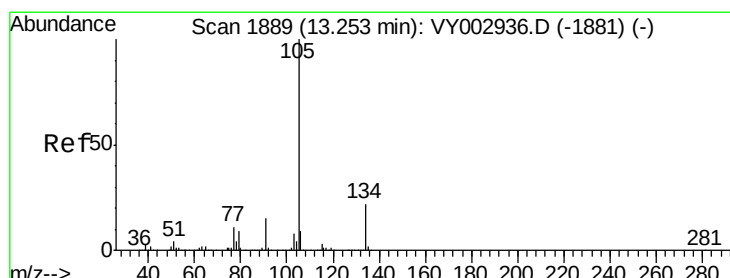
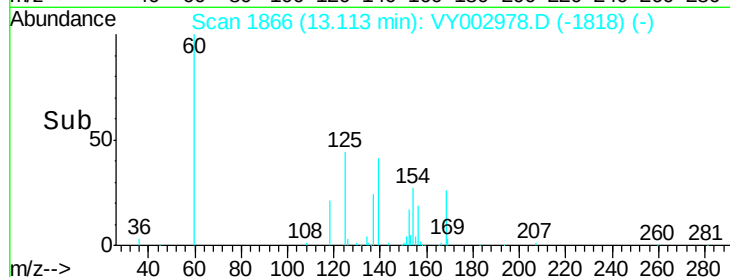
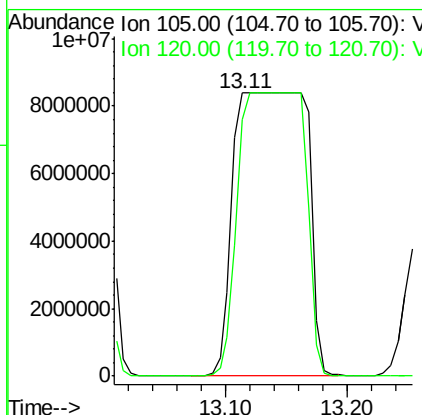
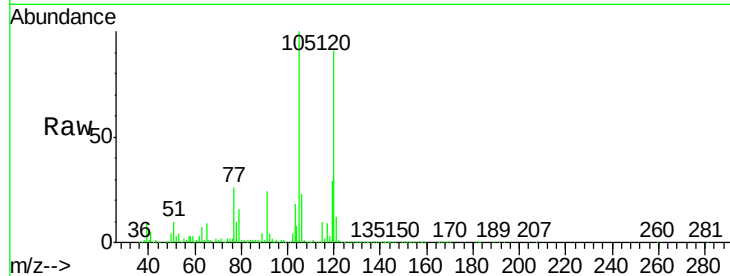
#84
 1,2,4-Trimethylbenzene
 Concen: 12050.079 ug/l m
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY002978.D
 Acq: 22 Jun 2020 16:57

Instrument :
 MSVOA_Y
 ClientSampled :
 SB-A

Tot Ion:105 Resp:34936911
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.5 70.5#

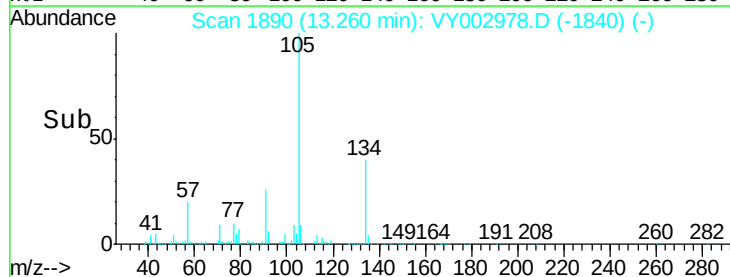
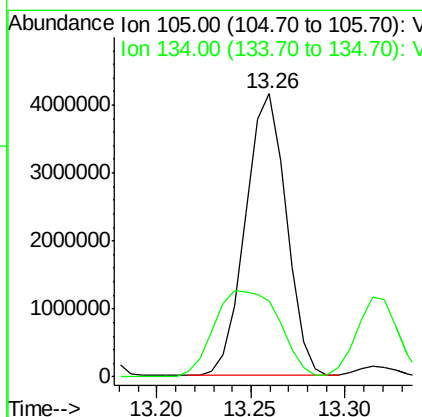
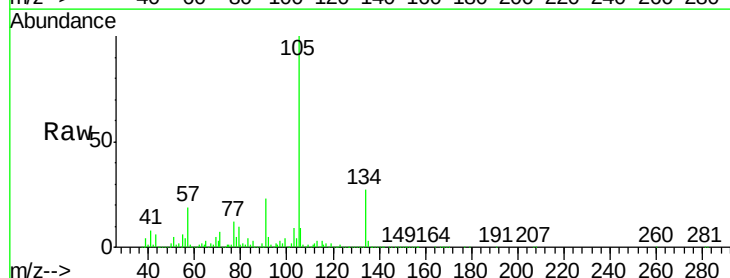
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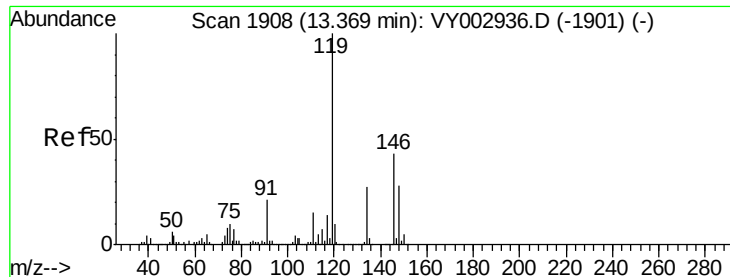
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#85
 sec-Butylbenzene
 Concen: 1780.928 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.01 min
 Lab File: VY002978.D
 Acq: 22 Jun 2020 16:57

Tgt Ion:105 Resp: 6252383
 Ion Ratio Lower Upper
 105 100
 134 49.1 10.8 32.4#





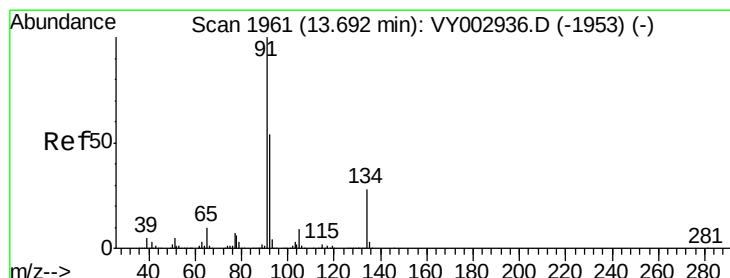
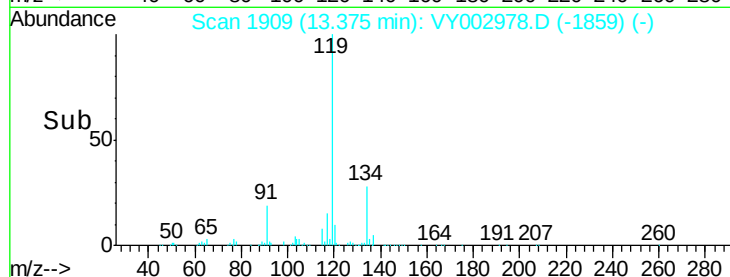
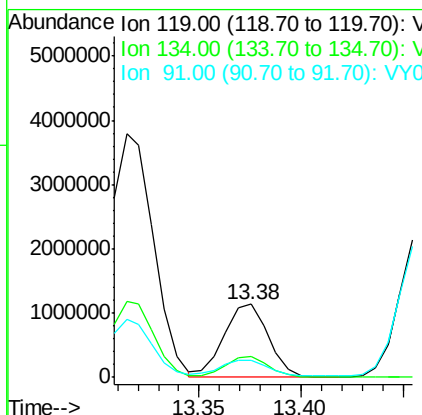
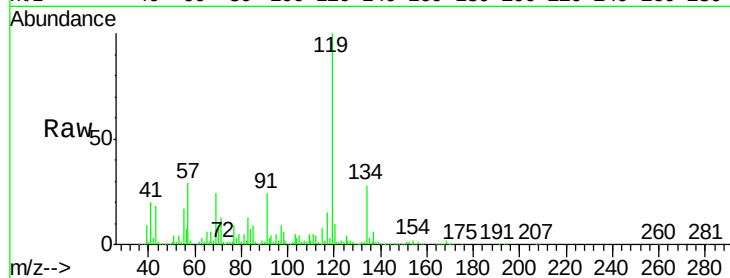
#86
p-Isopropyltoluene
Concen: 522.836 ug/l
RT: 13.38 min Scan# 1909
Delta R.T. 0.01 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_Y
ClientSampled :
SB-A

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.6	40.8
91	24.4	10.8	32.4

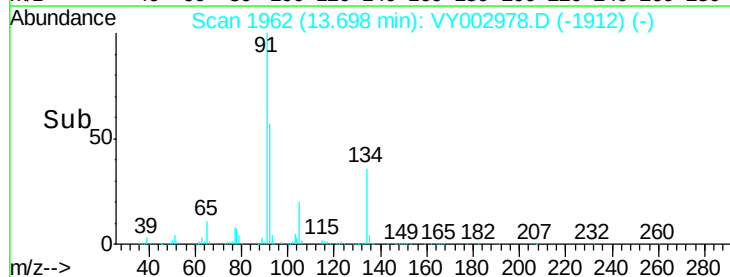
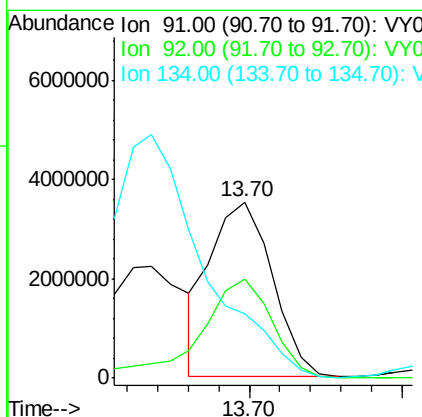
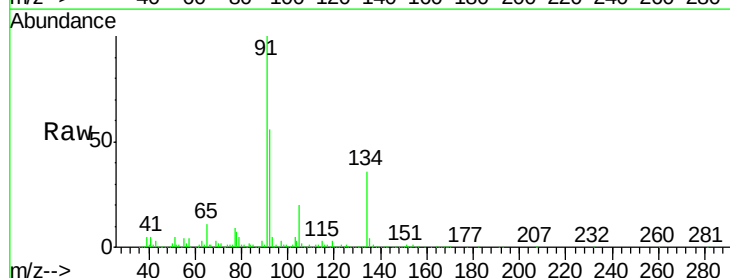
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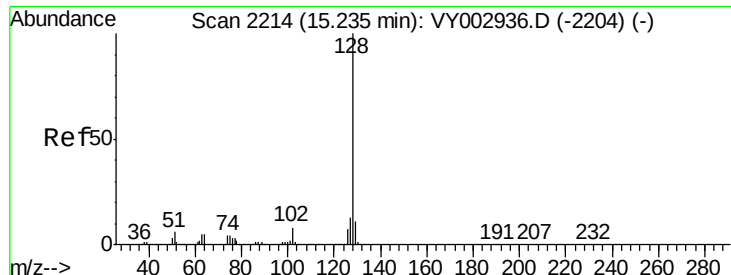
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#89
n-Butylbenzene
Concen: 1656.065 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.2	27.0	80.8
134	0.0	14.5	43.5#





#95
Naphthalene
Concen: 1912.857 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002978.D
Acq: 22 Jun 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.1	8.7	13.1

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