

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002981.D
 Acq On : 22 Jun 2020 18:09
 Operator : SY/MD
 Sample : L3071-10
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TW-1.5

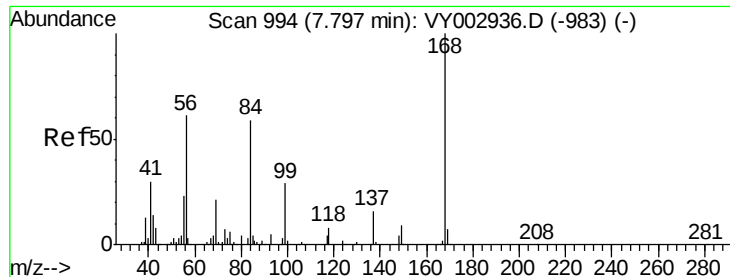
Manual Integrations
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 6/23/2020 8:13:27 PM

Quant Time: Jun 23 09:35:43 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	7.80	168	311626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	474260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	457421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	228469	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	141743	55.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.14%	
35) Dibromofluoromethane	7.72	113	143908	53.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.26%	
50) Toluene-d8	10.18	98	542010	51.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.48	95	202793	55.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.50%	
Target Compounds						
					Qvalue	
16) Acetone	3.95	43	36249	56.860	ug/l #	60
17) Carbon Disulfide	4.20	76	19671	2.562	ug/l	97
31) Cyclohexane	7.77	56	56826	12.857	ug/l #	58
39) Methylcyclohexane	9.19	83	61818	12.175	ug/l #	81
52) Toluene	10.25	92	1518476	204.609	ug/l	97
67) Ethyl Benzene	11.59	91	1685452	112.852	ug/l	98
68) m/p-Xylenes	11.70	106	2984580	514.261	ug/l	95
69) o-Xylene	12.03	106	1133806	207.253	ug/l	99
73) Isopropylbenzene	12.33	105	882630	63.034	ug/l	99
78) n-propylbenzene	12.67	91	2079454	128.006	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	2240882	191.972	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	8045569	684.964	ug/l	94
85) sec-Butylbenzene	13.25	105	156302m	10.989	ug/l	
86) p-Isopropyltoluene	13.37	119	69275m	5.193	ug/l	
89) n-Butylbenzene	13.69	91	311569	25.834	ug/l #	68
95) Naphthalene	15.23	128	2645002	281.197	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002981.D

Acq: 22 Jun 2020 18:09

Instrument :

MSVOA_Y

ClientSampleId :

TW-1.5

Tot Ion:168 Resp: 311626

Ion Ratio Lower Upper

168 100

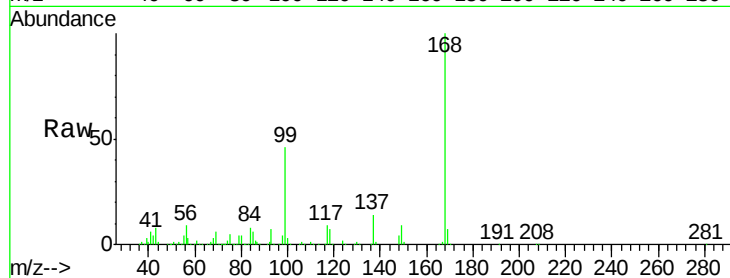
99 46.1 39.5 59.3

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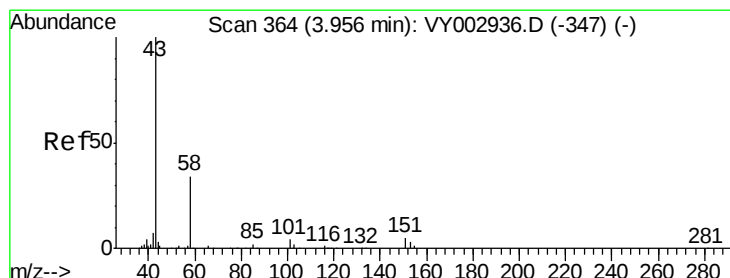
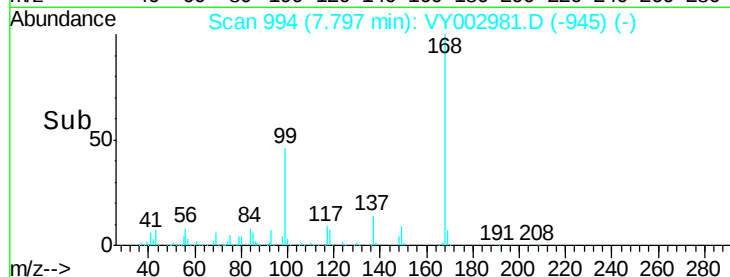
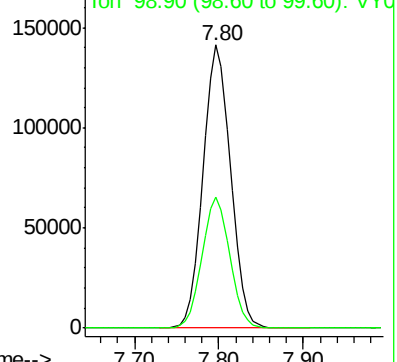
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Abundance Ion 167.90 (167.60 to 168.60): VY002981.D (-945) (-)



#16

Acetone

Concen: 56.860 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002981.D

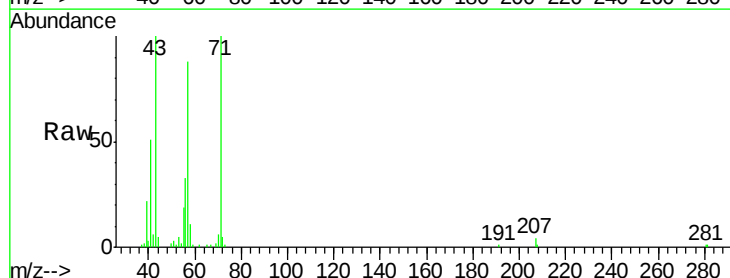
Acq: 22 Jun 2020 18:09

Tgt Ion: 43 Resp: 36249

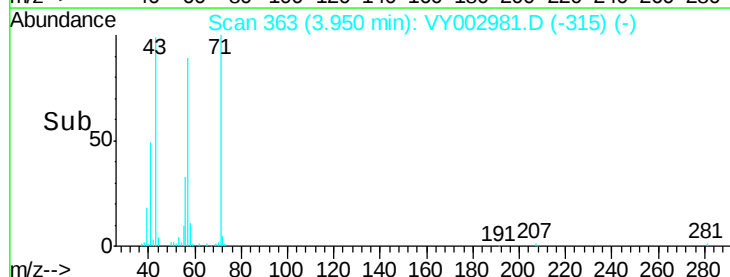
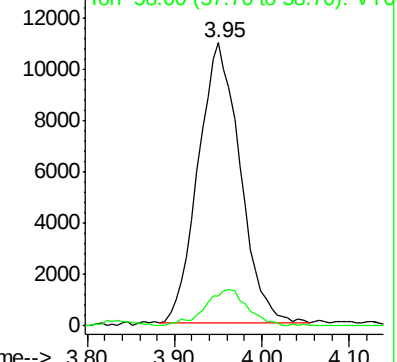
Ion Ratio Lower Upper

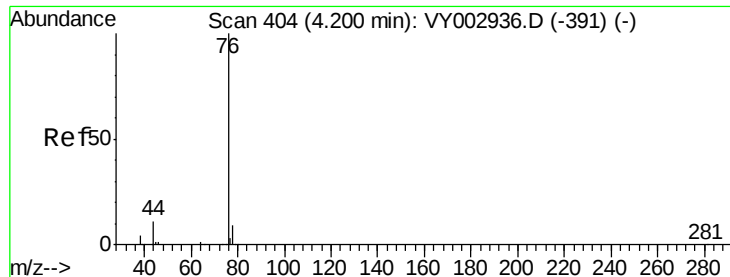
43 100

58 10.9 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY002981.D (-315) (-)





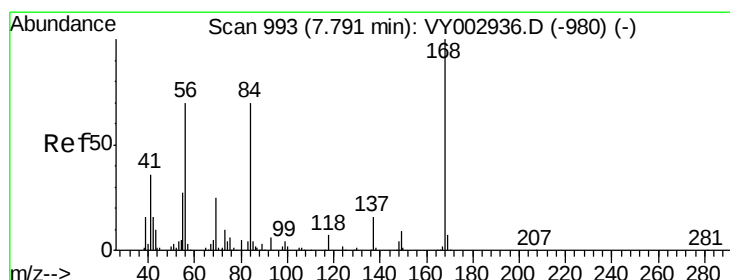
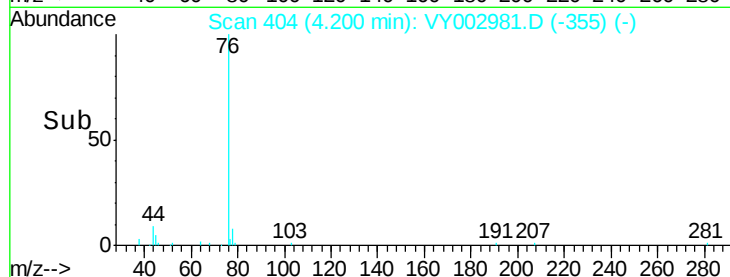
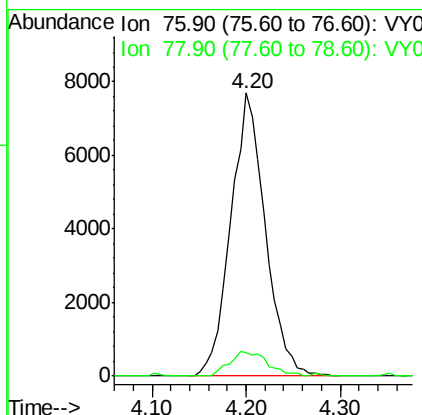
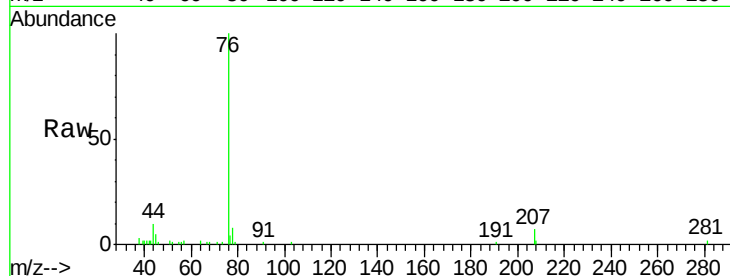
#17
Carbon Disulfide
Concen: 2.562 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Instrument :
MSVOA_Y
ClientSampleId :
TW-1.5

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.2

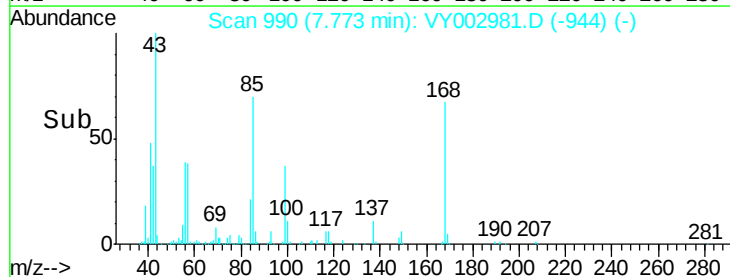
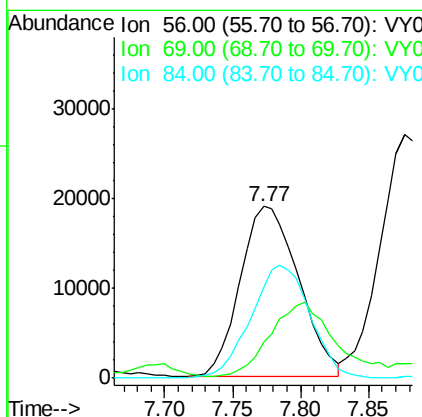
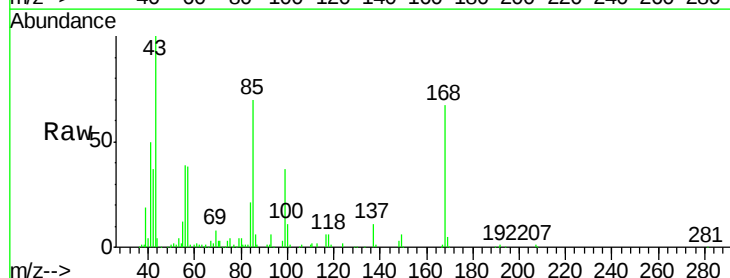
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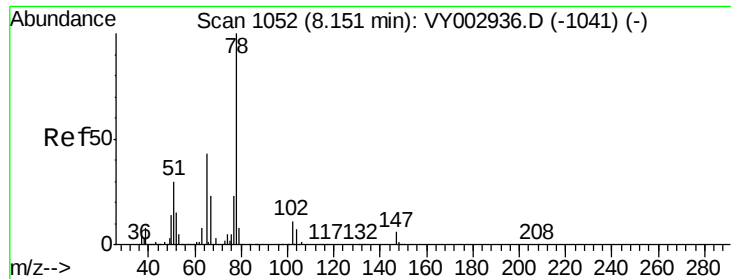
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#31
Cyclohexane
Concen: 12.857 ug/l
RT: 7.77 min Scan# 990
Delta R.T. -0.02 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Tgt Ion	Ratio	Lower	Upper
56	100		
69	18.3	28.9	43.3#
84	53.8	80.1	120.1#





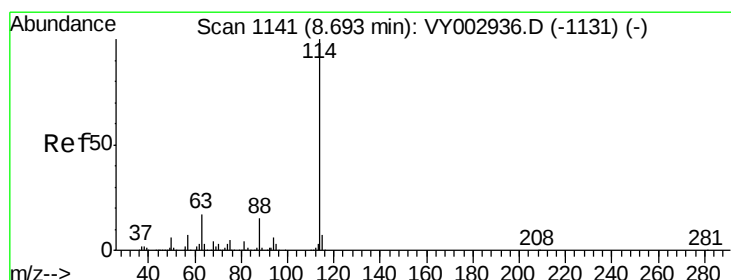
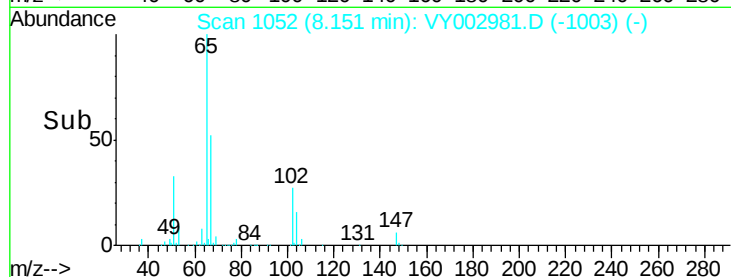
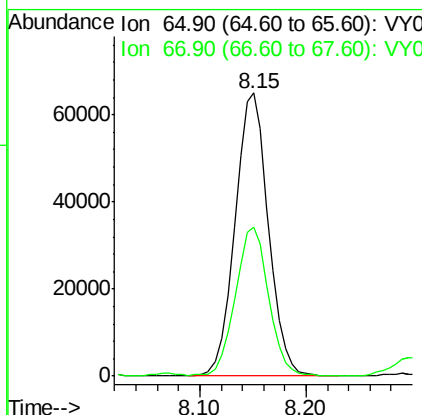
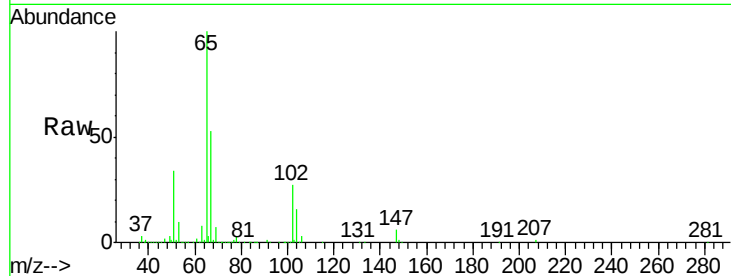
#33
 1,2-Dichloroethane-d4
 Concen: 55.068 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002981.D
 Acq: 22 Jun 2020 18:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 TW-1.5

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	109.4	

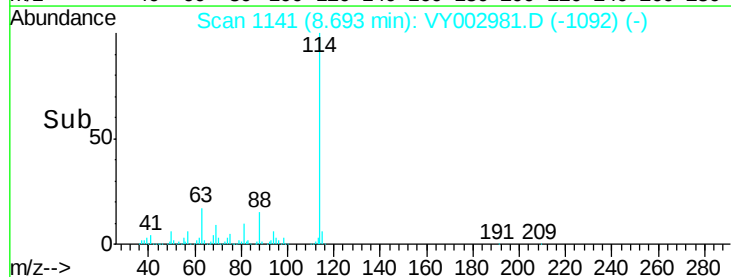
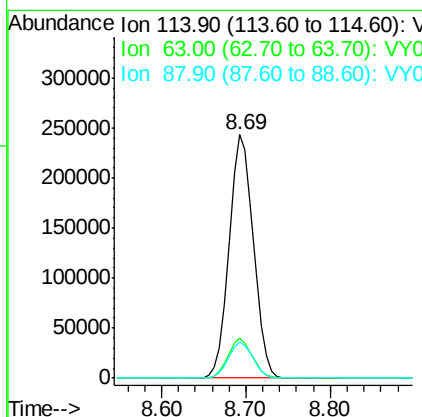
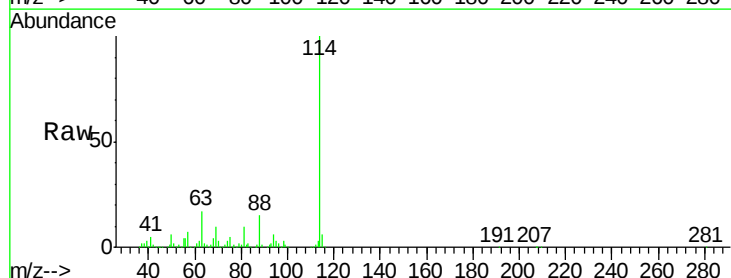
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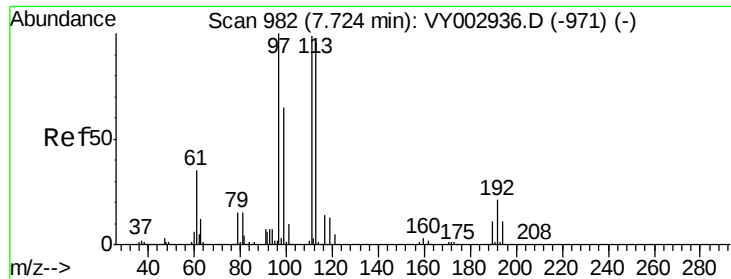
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002981.D
 Acq: 22 Jun 2020 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.7	0.0	34.6	
88	14.8	0.0	29.2	





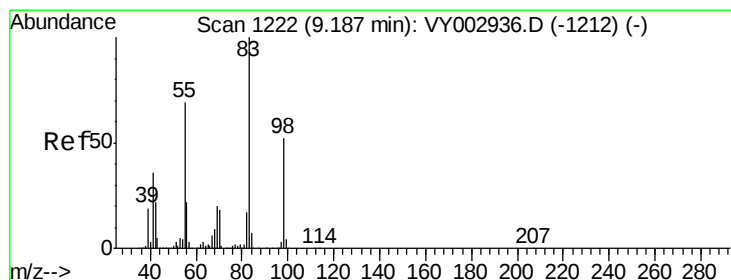
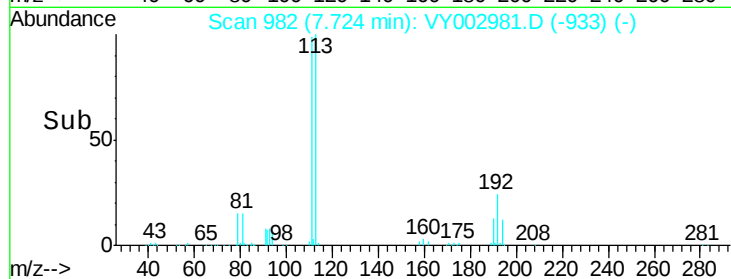
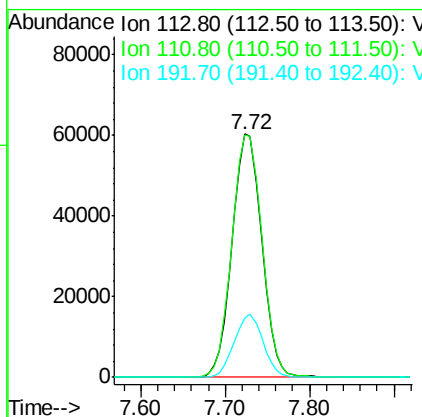
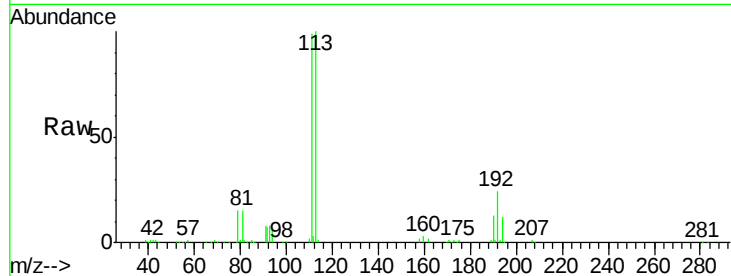
#35
Dibromofluoromethane
Concen: 53.627 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Instrument :
MSVOA_Y
ClientSampleId :
TW-1.5

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.5	122.3
192	25.0	19.2	28.8

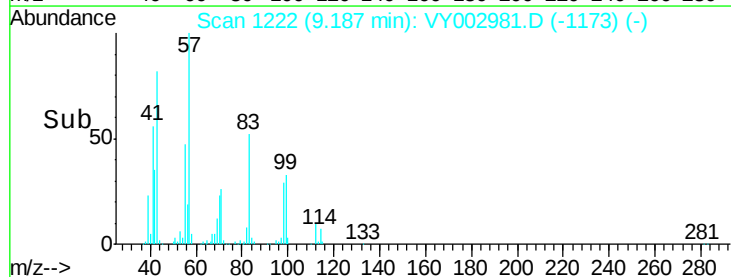
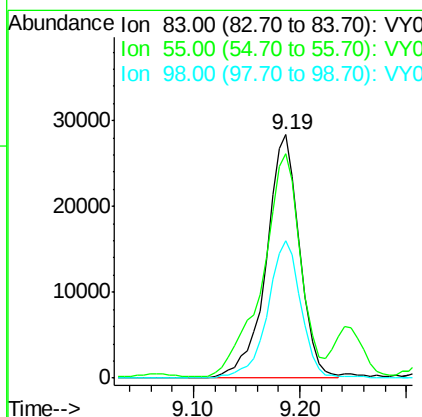
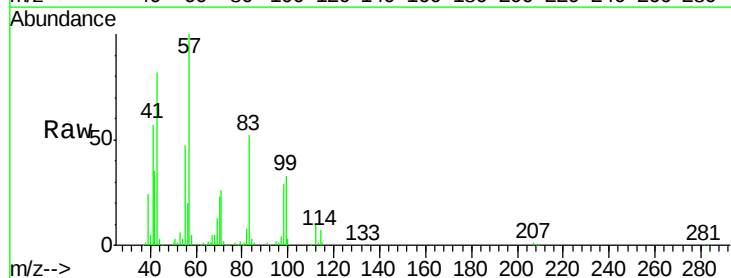
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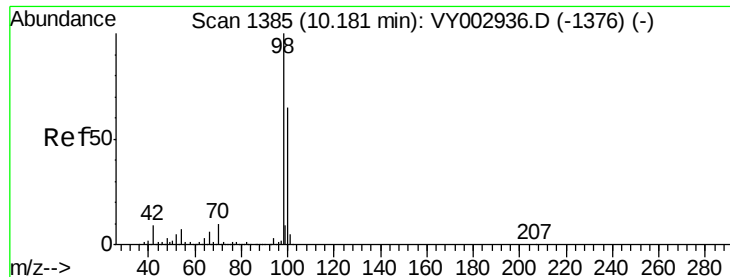
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#39
Methylcyclohexane
Concen: 12.175 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.4	55.0	82.4#
98	56.3	41.4	62.2





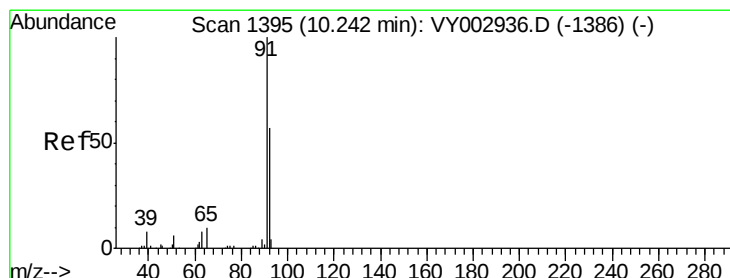
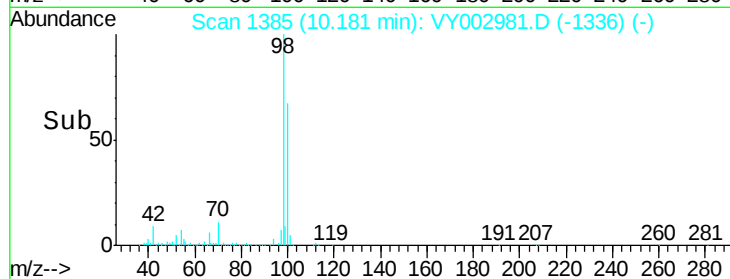
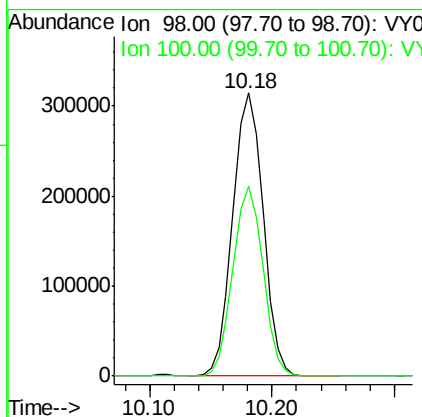
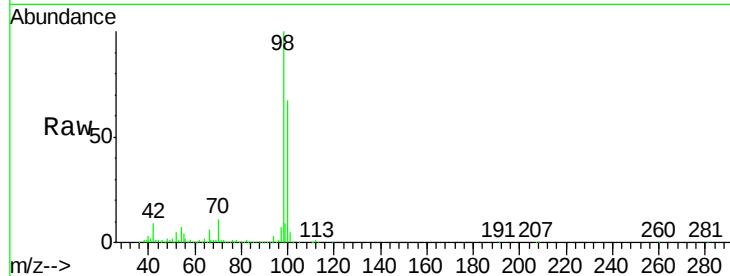
#50
Toluene-d8
Concen: 51.226 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Instrument :
MSVOA_Y
ClientSampleId :
TW-1.5

Tot Ion	98	Resp	542010
Ion Ratio	100	Lower	Upper
98	100		
100	66.3	51.9	77.9

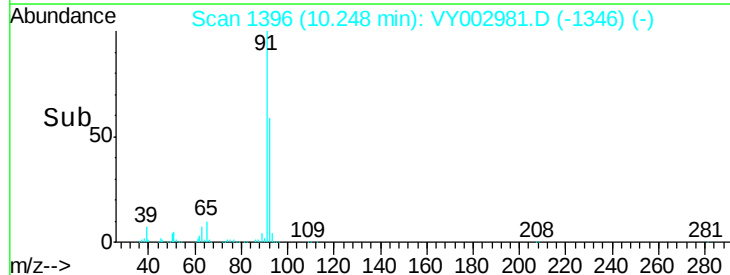
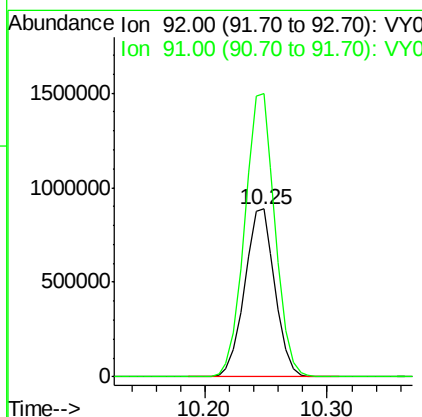
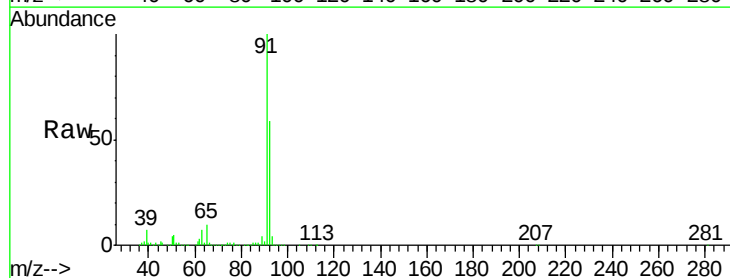
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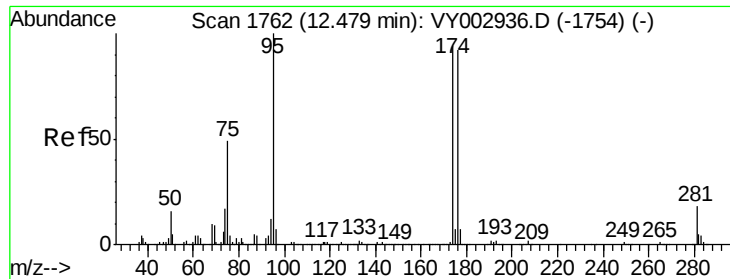
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#52
Toluene
Concen: 204.609 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Tgt Ion	92	Resp	1518476
Ion Ratio	100	Lower	Upper
92	100		
91	169.9	139.3	208.9





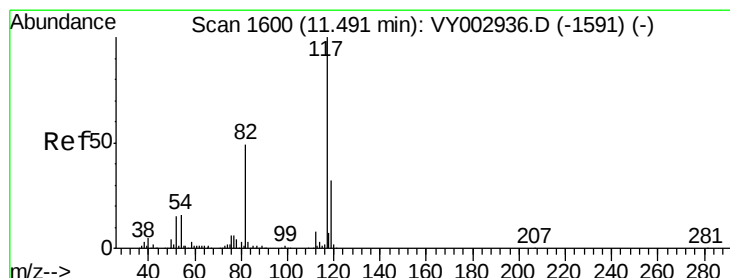
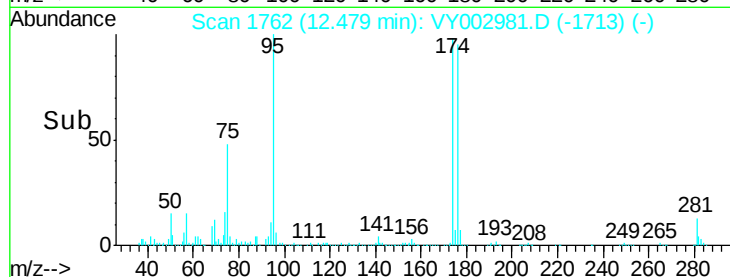
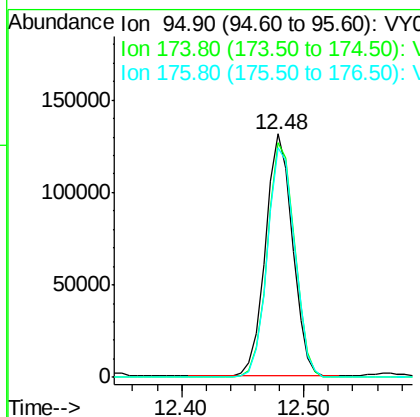
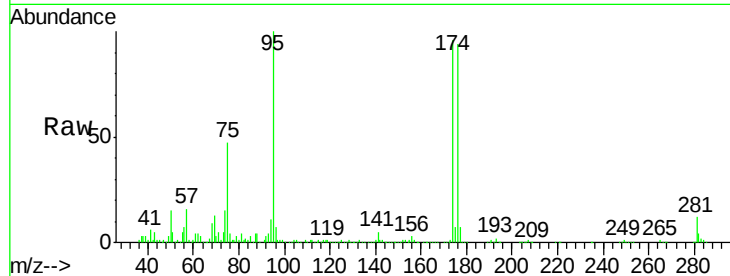
#62
4-Bromofluorobenzene
Concen: 55.253 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Instrument :
MSVOA_Y
ClientSampleId :
TW-1.5

Tot Ion	Ratio	Resp	Lower	Upper
95	100	202793		
174	96.8	0.0	191.2	
176	94.9	0.0	186.0	

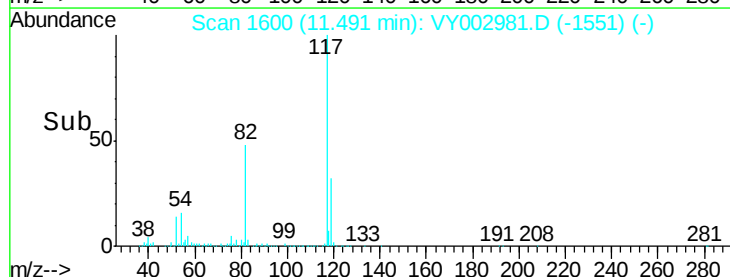
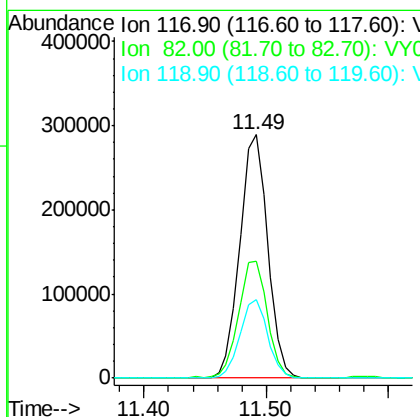
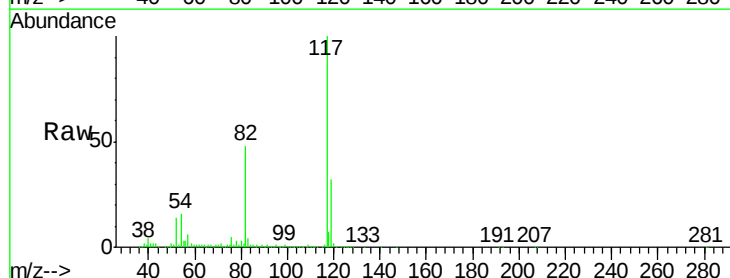
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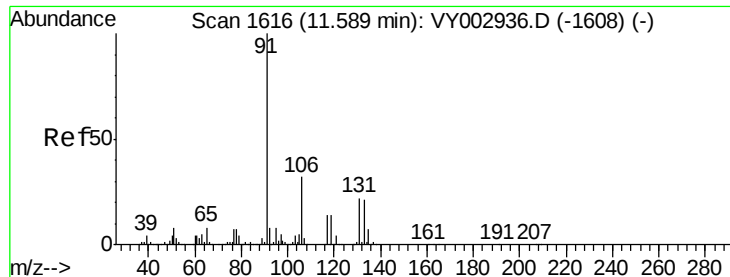
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	457421		
82	47.9	39.4	59.0	
119	32.3	25.4	38.0	





#67

Ethyl Benzene

Concen: 112.852 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002981.D

Acq: 22 Jun 2020 18:09

Instrument :

MSVOA_Y

ClientSampleId :

TW-1.5

Tot Ion: 91 Resp: 1685452

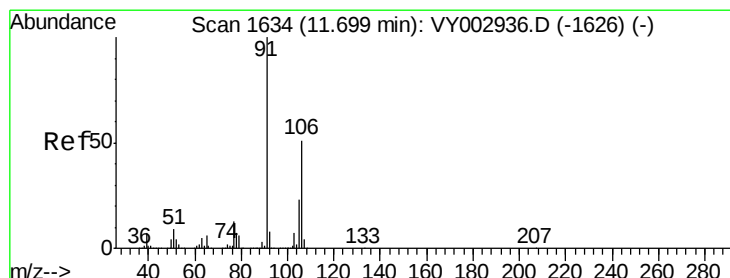
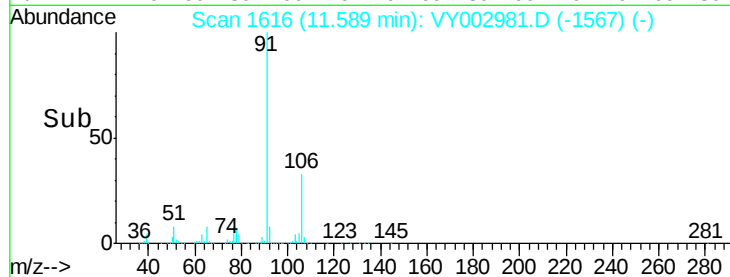
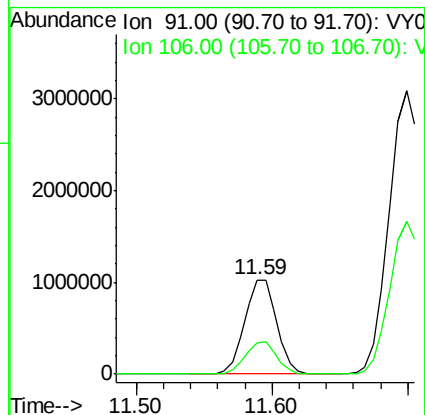
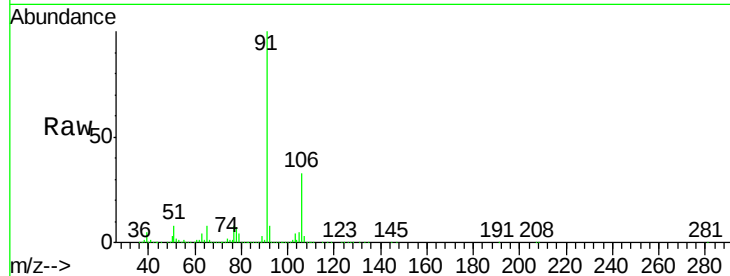
Ion Ratio Lower Upper

91 100

106 33.4 25.8 38.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 514.261 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002981.D

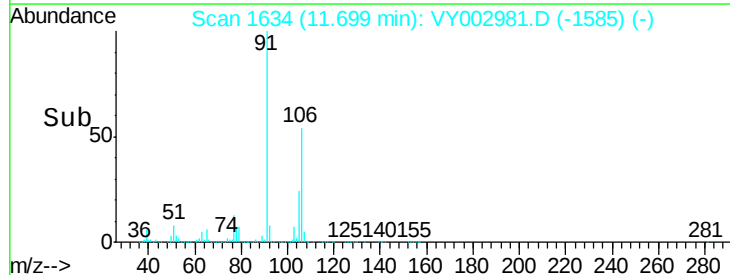
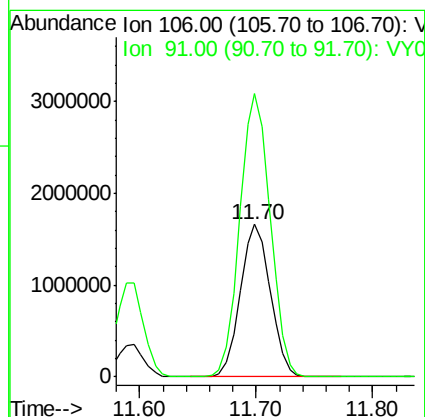
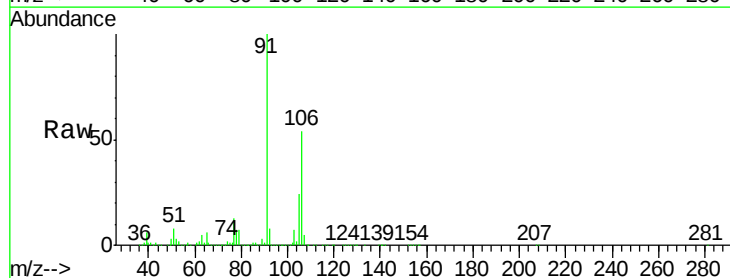
Acq: 22 Jun 2020 18:09

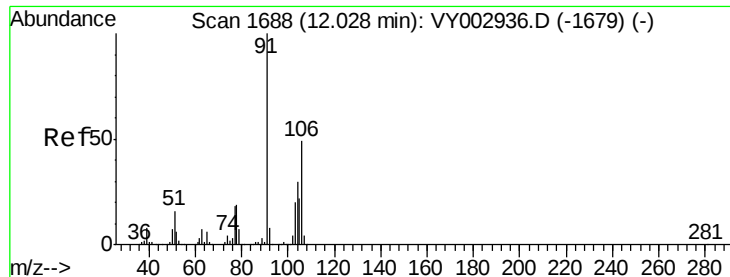
Tgt Ion: 106 Resp: 2984580

Ion Ratio Lower Upper

106 100

91 188.0 155.9 233.9





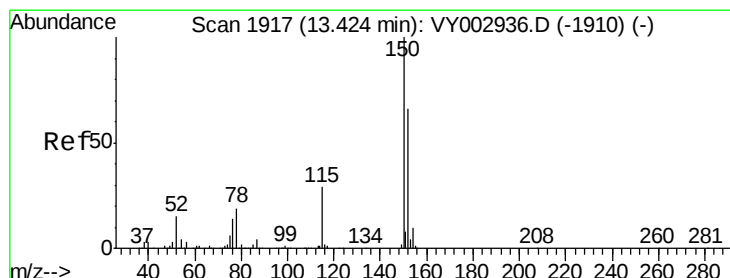
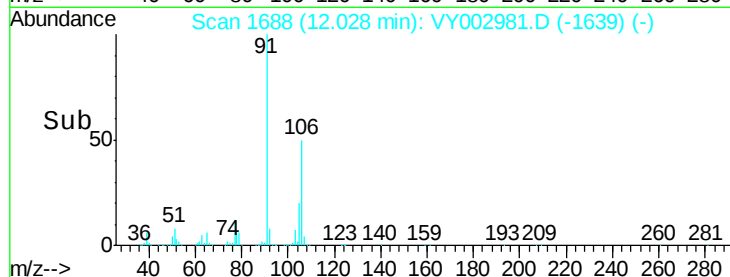
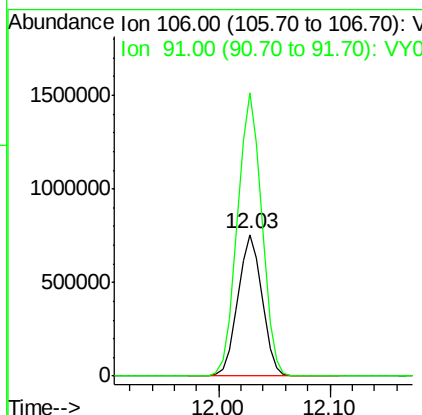
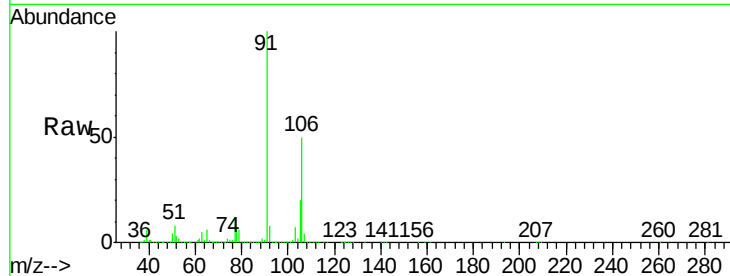
#69
o-Xylene
Concen: 207.253 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Instrument :
MSVOA_Y
ClientSampleId :
TW-1.5

Tot Ion:106 Resp: 1133806
Ion Ratio Lower Upper
106 100
91 202.0 102.1 306.1

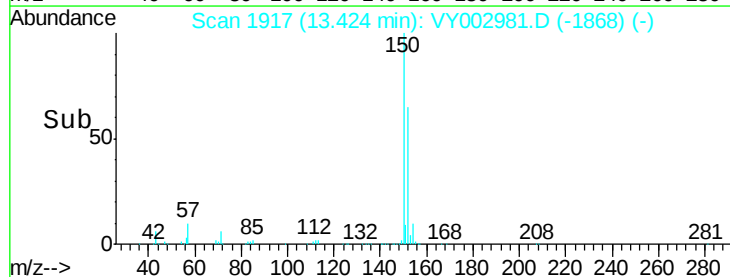
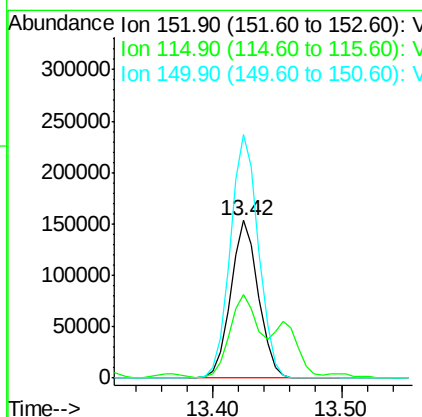
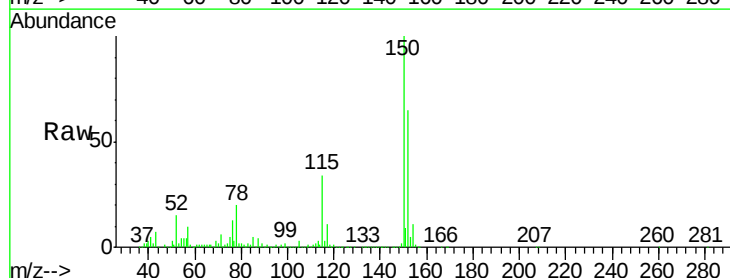
Manual Integrations
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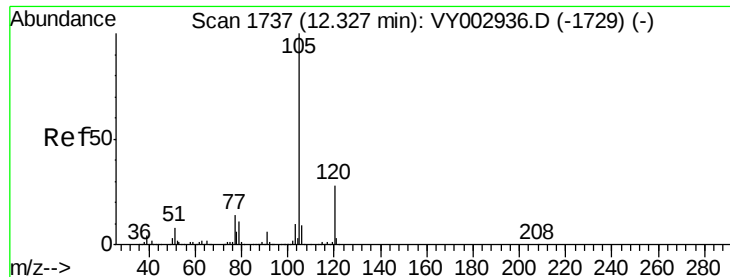
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Tgt Ion:152 Resp: 228469
Ion Ratio Lower Upper
152 100
115 56.3 26.9 80.6
150 157.4 0.0 341.8





#73

Isopropylbenzene

Concen: 63.034 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002981.D

Acq: 22 Jun 2020 18:09

Instrument :

MSVOA_Y

ClientSampleId :

TW-1.5

Tot Ion: 105 Resp: 882630

Ion Ratio Lower Upper

105 100

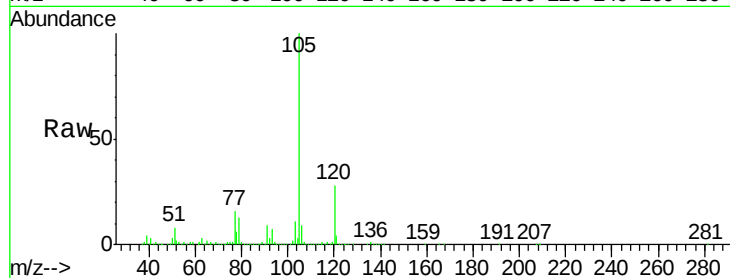
120 28.2 14.0 41.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

600000

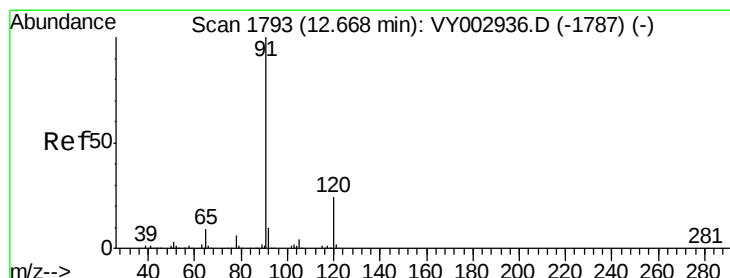
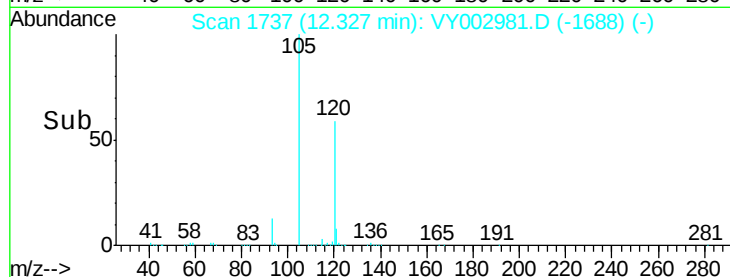
400000

200000

0

Time-->

12.25 12.30 12.35 12.40



#78

n-propylbenzene

Concen: 128.006 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002981.D

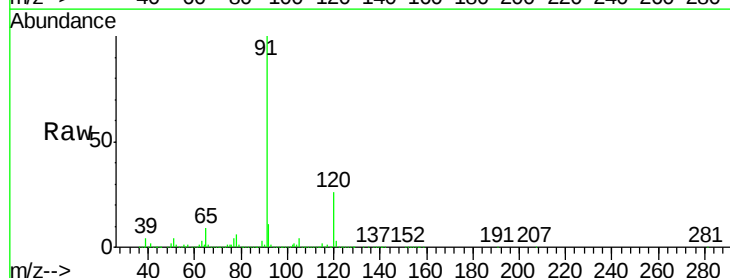
Acq: 22 Jun 2020 18:09

Tgt Ion: 91 Resp: 2079454

Ion Ratio Lower Upper

91 100

120 26.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

12.67

1500000

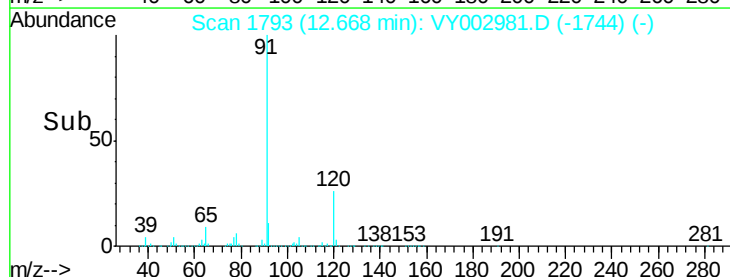
1000000

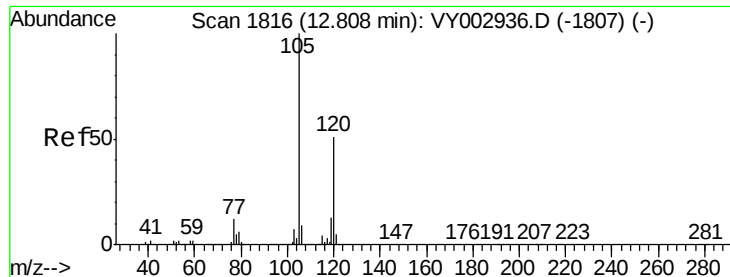
500000

0

Time-->

12.60 12.65 12.70





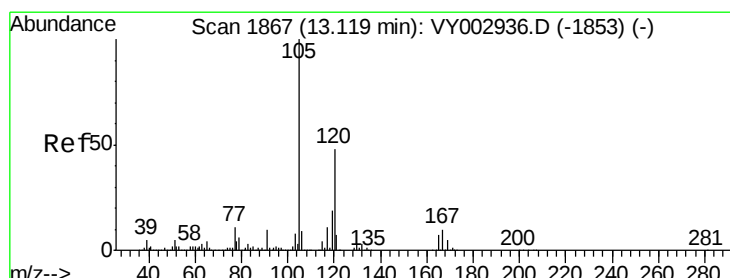
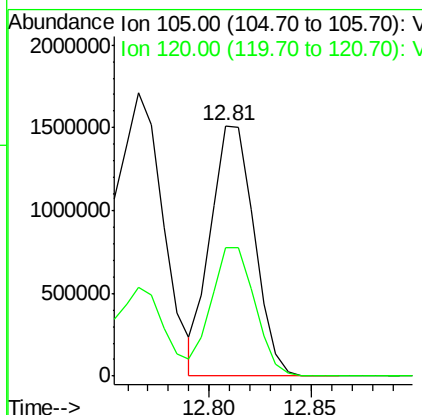
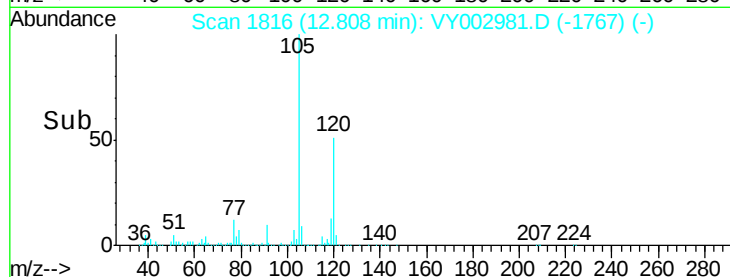
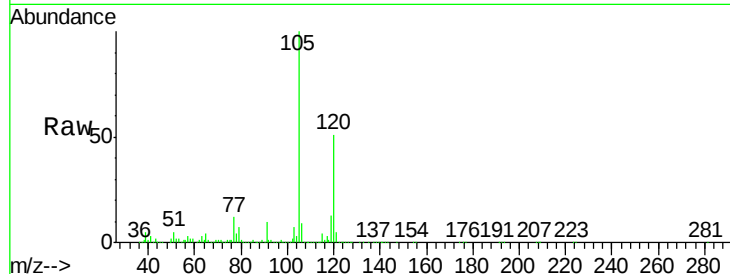
#80
 1,3,5-Trimethylbenzene
 Concen: 191.972 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY002981.D
 Acq: 22 Jun 2020 18:09

Instrument :
 MSVOA_Y
 ClientSampled :
 TW-1.5

Tot Ion:105 Resp: 2240882
 Ion Ratio Lower Upper
 105 100
 120 51.8 25.6 76.6

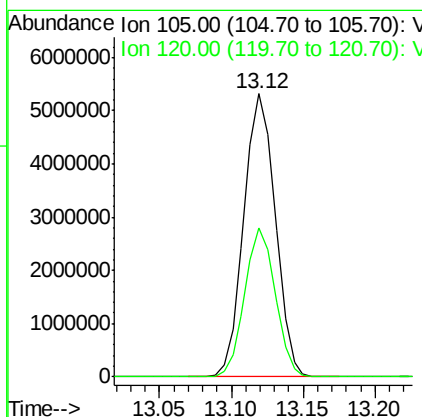
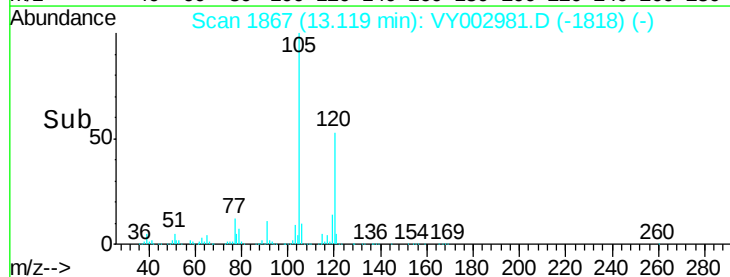
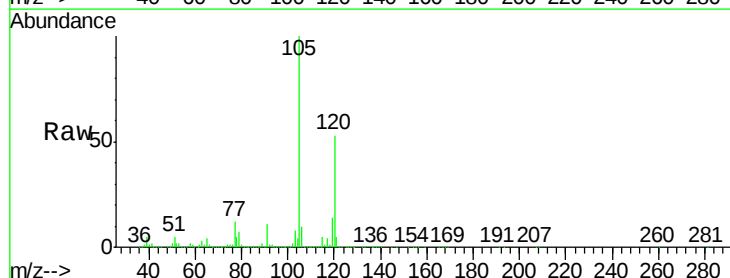
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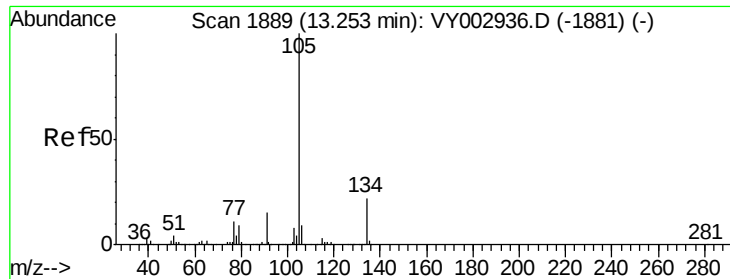
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#84
 1,2,4-Trimethylbenzene
 Concen: 684.964 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY002981.D
 Acq: 22 Jun 2020 18:09

Tgt Ion:105 Resp: 8045569
 Ion Ratio Lower Upper
 105 100
 120 50.9 23.5 70.5





#85

sec-Butylbenzene

Concen: 10.989 ug/l m

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002981.D

Acq: 22 Jun 2020 18:09

Instrument :

MSVOA_Y

ClientSampleId :

TW-1.5

Tot Ion:105 Resp: 156302

Ion Ratio Lower Upper

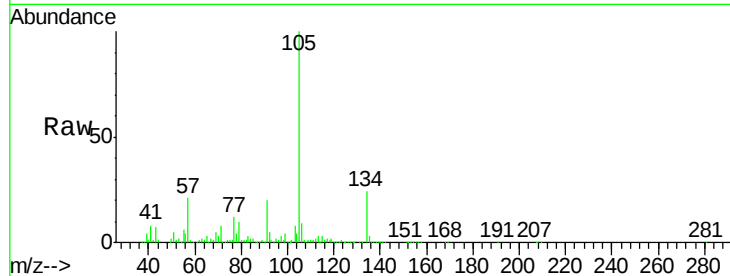
105 100

134 0.0 10.8 32.4#

Manual Integrations
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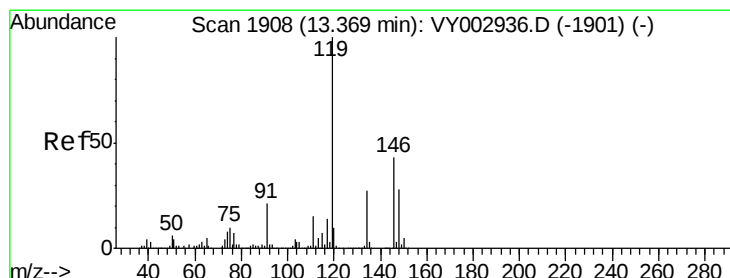
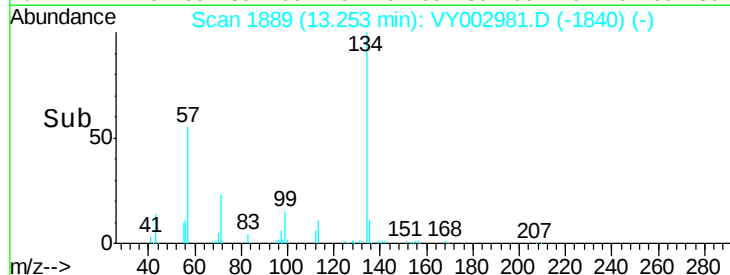
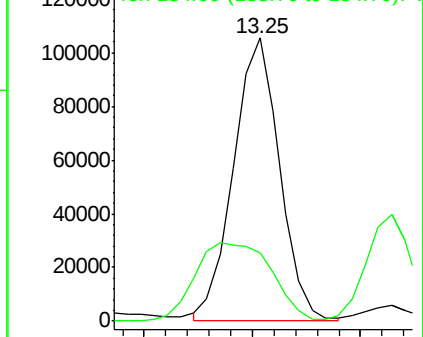
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.193 ug/l m

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002981.D

Acq: 22 Jun 2020 18:09

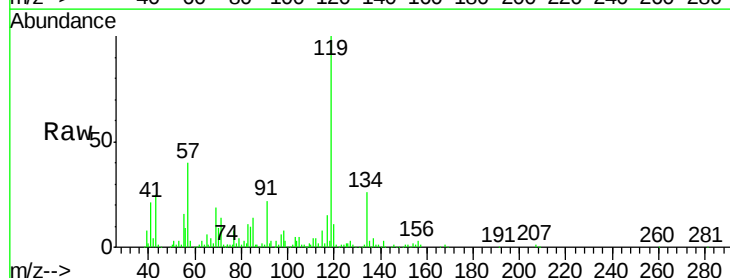
Tgt Ion:119 Resp: 69275

Ion Ratio Lower Upper

119 100

134 83.0 13.6 40.8#

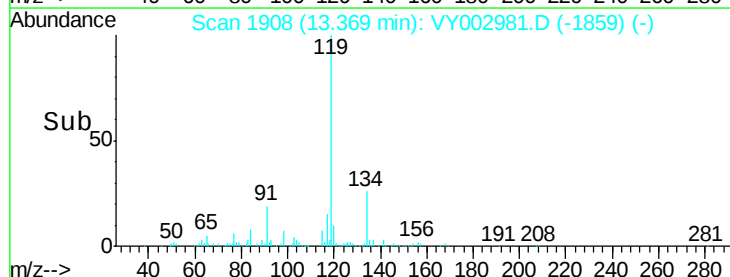
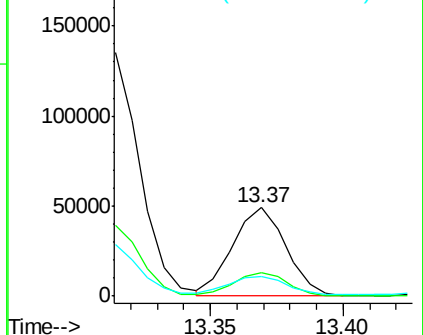
91 57.2 10.8 32.4#

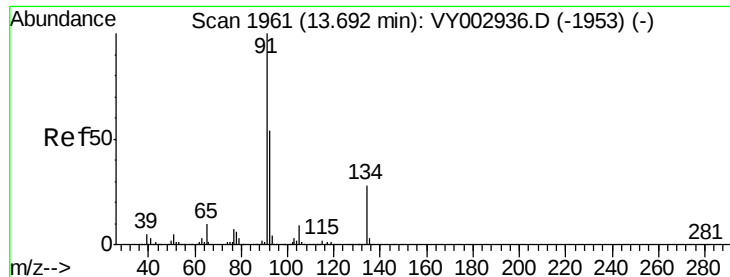


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





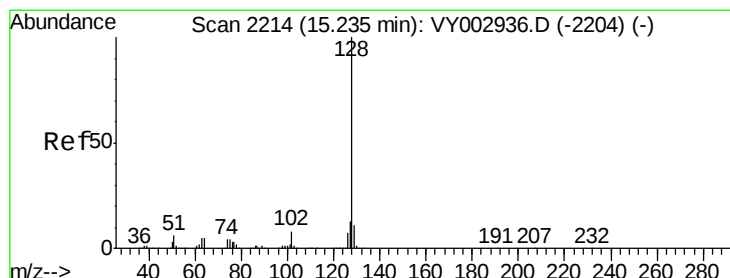
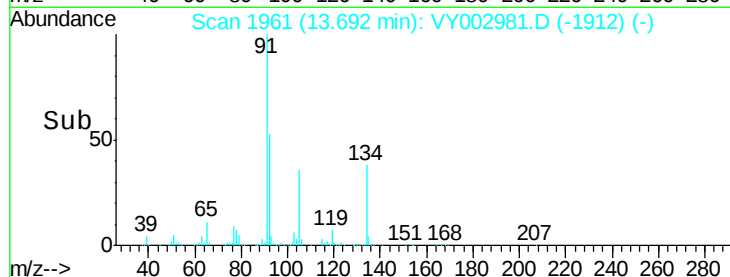
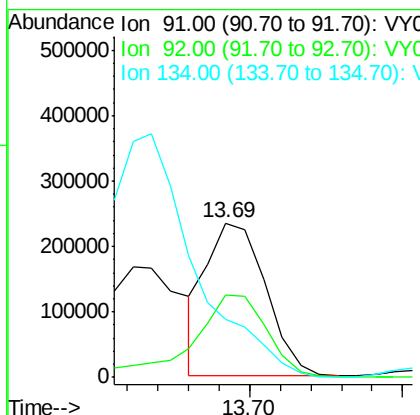
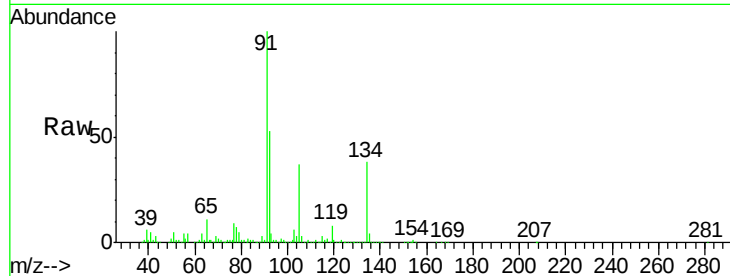
#89
n-Butylbenzene
Concen: 25.834 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Instrument :
MSVOA_Y
ClientSampled :
TW-1.5

Tot Ion	Ratio	Lower	Upper
91	100		
92	68.6	27.0	80.8
134	0.0	14.5	43.5#

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#95
Naphthalene
Concen: 281.197 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002981.D
Acq: 22 Jun 2020 18:09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.9	8.7	13.1

