

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002979.D
 Acq On : 22 Jun 2020 17:21
 Operator : SY/MD
 Sample : L3071-04
 Misc : 17.65G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-B

Manual Integrations
 APPROVED

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 6/23/2020 8:13:23 PM

Quant Time: Jun 23 09:24:03 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	7.81	168	238265	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.70	114	399364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	358921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	276692	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	136550	69.38	ug/l	0.00
Spiked Amount						
			Recovery	=	138.76%	
35) Dibromofluoromethane	7.73	113	123253	54.54	ug/l	0.00
Spiked Amount						
			Recovery	=	109.08%	
50) Toluene-d8	10.19	98	1053024	118.19	ug/l	0.01
Spiked Amount						
			Recovery	=	236.38%	
62) 4-Bromofluorobenzene	12.48	95	310703m	100.53	ug/l	0.00
Spiked Amount						
			Recovery	=	201.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.95	43	5102003	10467.014	ug/l #	51
17) Carbon Disulfide	4.20	76	13931	2.373	ug/l	97
31) Cyclohexane	7.80	56	10197137	3017.509	ug/l #	66
39) Methylcyclohexane	9.19	83	8692493	2033.120	ug/l #	86
40) Benzene	8.18	78	2889742	299.266	ug/l	99
52) Toluene	10.26	92	10870154	1739.399	ug/l	83
67) Ethyl Benzene	11.59	91	24553428m	2095.178	ug/l	
68) m/p-Xylenes	11.71	106	22268752	4890.053	ug/l #	1
69) o-Xylene	12.03	106	4358283	1015.302	ug/l	92
73) Isopropylbenzene	12.33	105	19598693	1155.733	ug/l #	63
78) n-propylbenzene	12.67	91	22240526m	1130.460	ug/l	
80) 1,3,5-Trimethylbenzene	12.81	105	17112938	1210.523	ug/l	73
83) tert-Butylbenzene	13.08	119	95450m	7.538	ug/l	
84) 1,2,4-Trimethylbenzene	13.11	105	20909656m	1469.903	ug/l	
85) sec-Butylbenzene	13.25	105	4325238	251.100	ug/l #	45
86) p-Isopropyltoluene	13.38	119	1212075	75.018	ug/l	94
89) n-Butylbenzene	13.70	91	6395510m	437.864	ug/l	
95) Naphthalene	15.23	128	9952108	873.637	ug/l	97

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

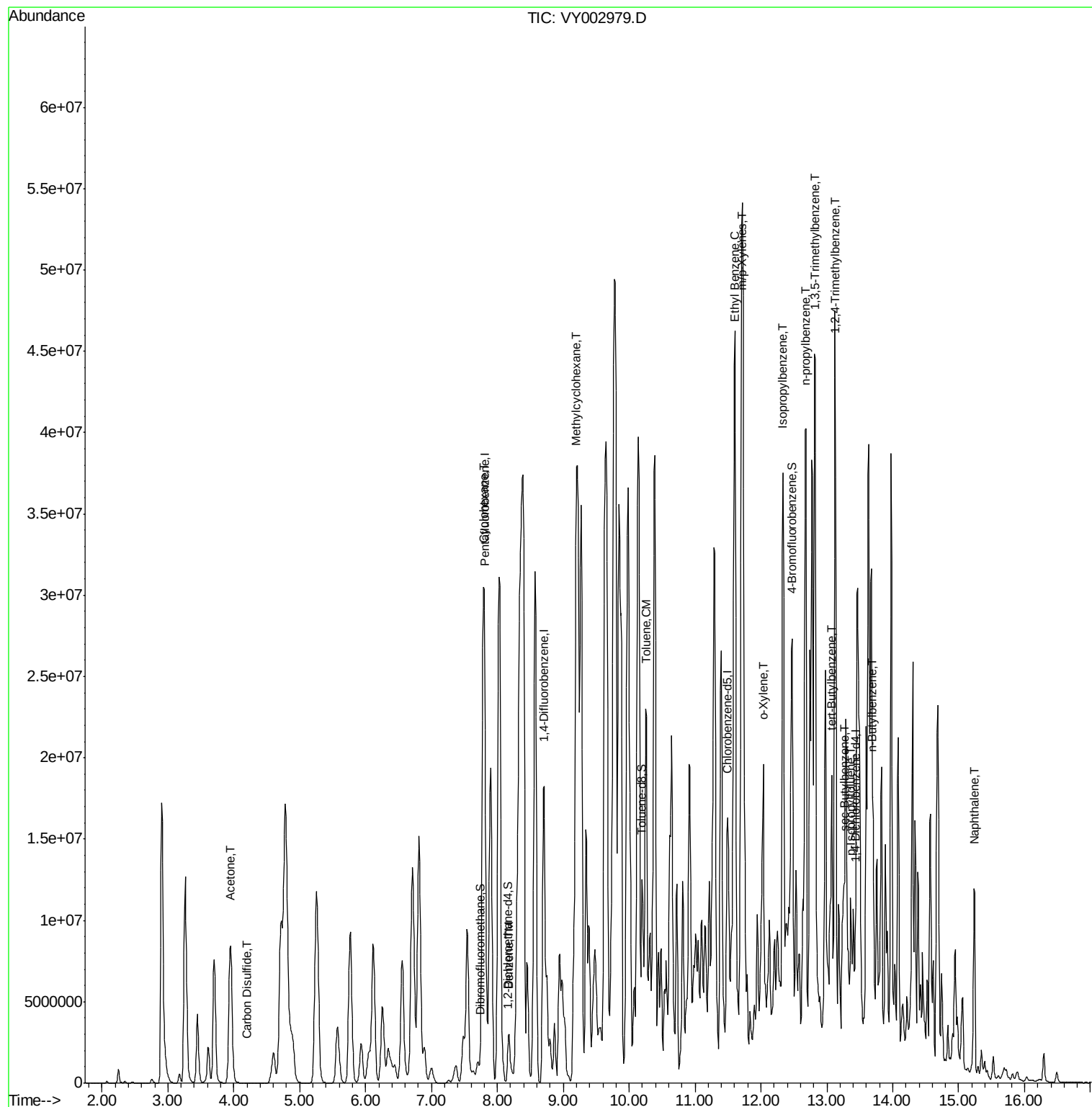
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002979.D
Acq On : 22 Jun 2020 17:21
Operator : SY/MD
Sample : L3071-04
Misc : 17.65G/5ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

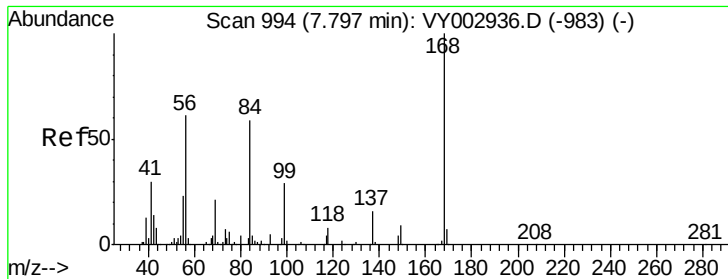
Instrument :
MSVOA_Y
ClientSampleId :
SB-B

Manual Integrations
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Quant Time: Jun 23 09:24:03 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

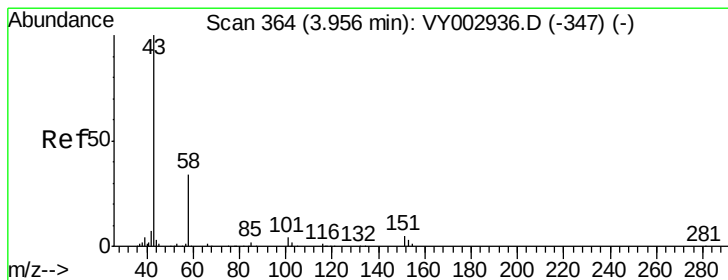
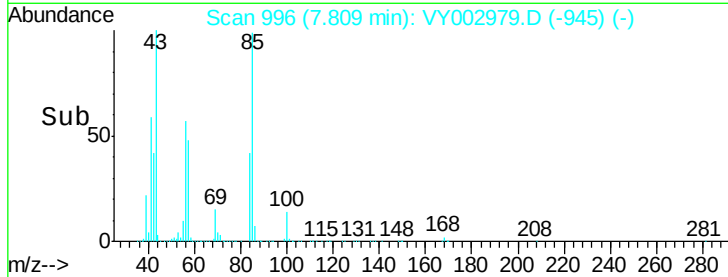
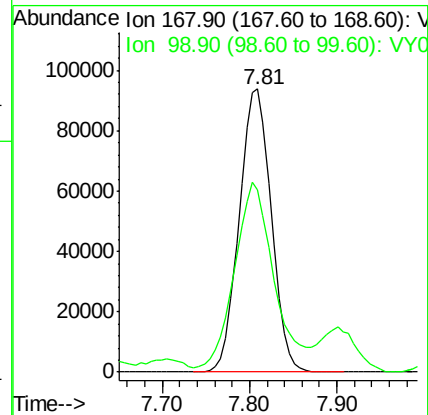
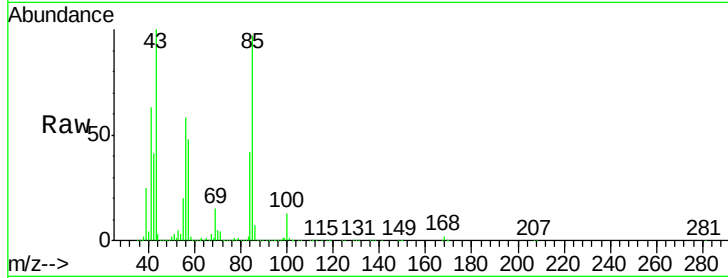
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: VY002979.D
 Acq: 22 Jun 2020 17:21

Instrument :
 MSVOA_Y
 ClientSampled :
 SB-B

Tot Ion	Ratio	Lower	Upper
168	100		
99	62.5	39.5	59.3#

Manual Integrations
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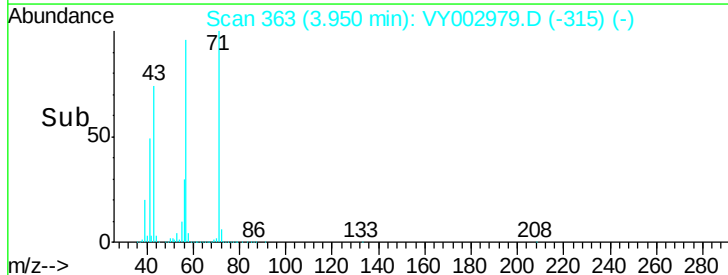
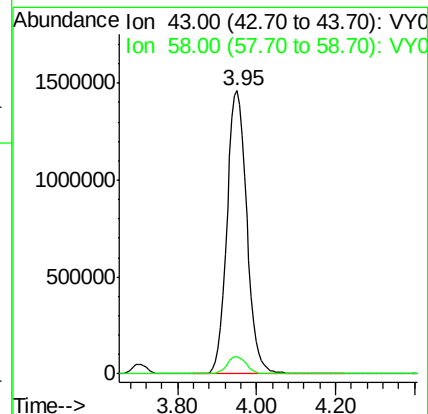
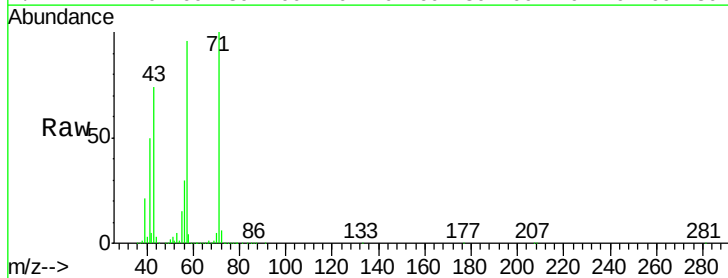
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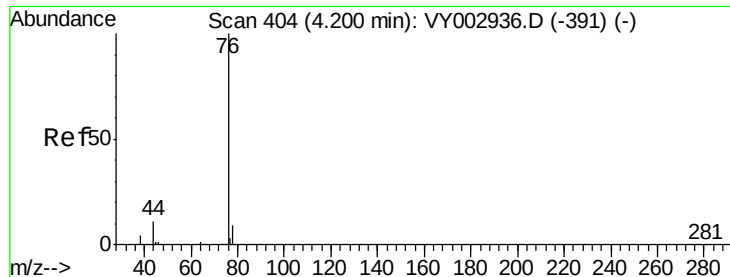


#16

Acetone
 Concen: 10467.014 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VY002979.D
 Acq: 22 Jun 2020 17:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	5.9	27.3	40.9#





#17

Carbon Disulfide

Concen: 2.373 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002979.D

Acq: 22 Jun 2020 17:21

Instrument :

MSVOA_Y

ClientSampled :

SB-B

Tot Ion: 76 Resp: 13931

Ion Ratio Lower Upper

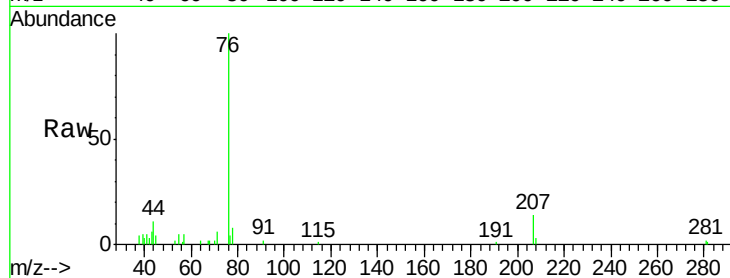
76 100

78 8.3 7.4 11.2

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VY002936.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VY002936.D (-391) (-)

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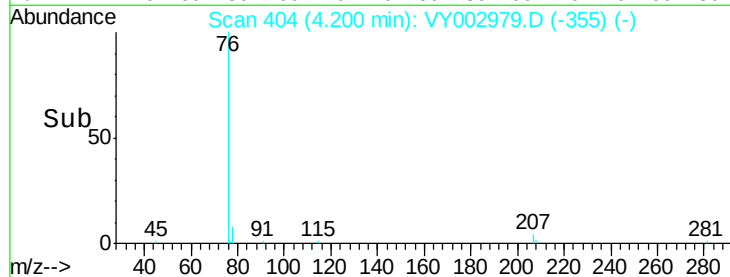
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Abundance Ion 75.90 (75.60 to 76.60): VY002979.D (-355) (-)

Ion 77.90 (77.60 to 78.60): VY002979.D (-355) (-)

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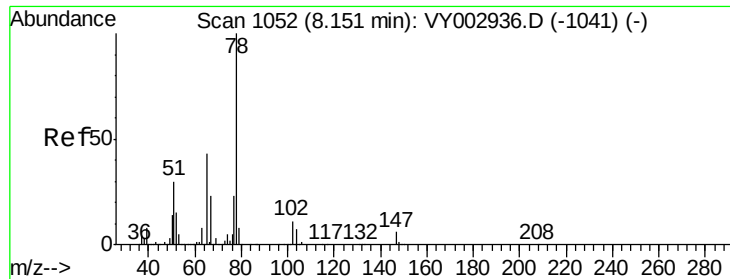
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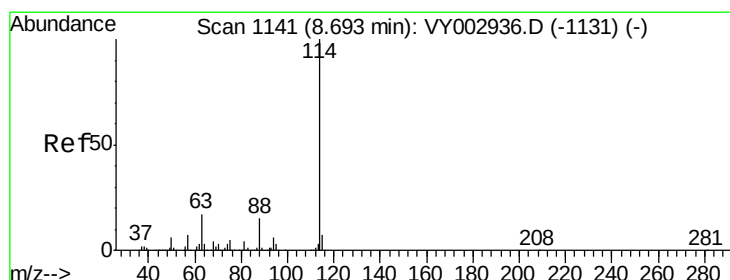
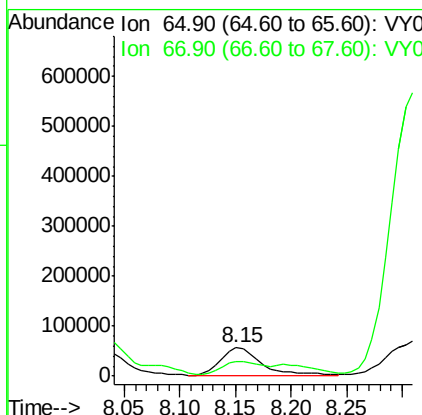
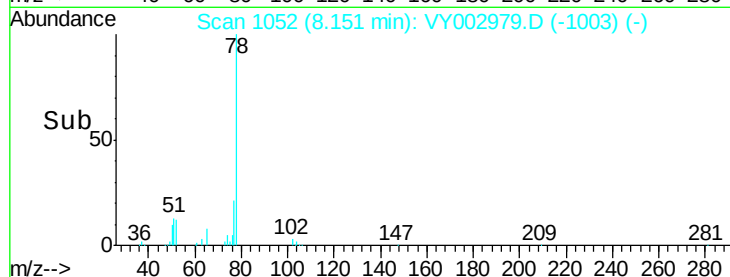
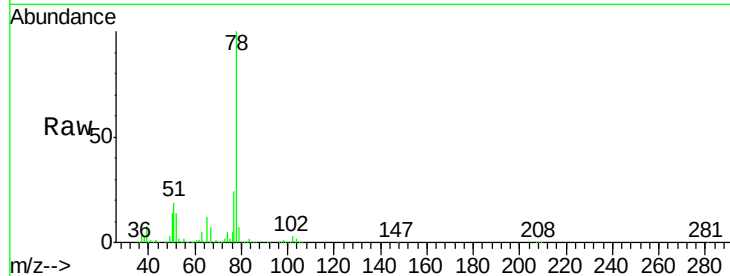
#33
 1,2-Dichloroethane-d4
 Concen: 69.384 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002979.D
 Acq: 22 Jun 2020 17:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-B

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	46.7	0.0	109.4	

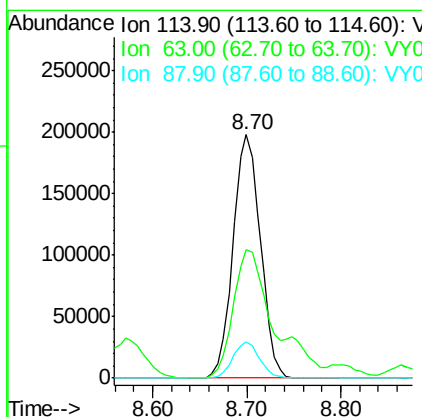
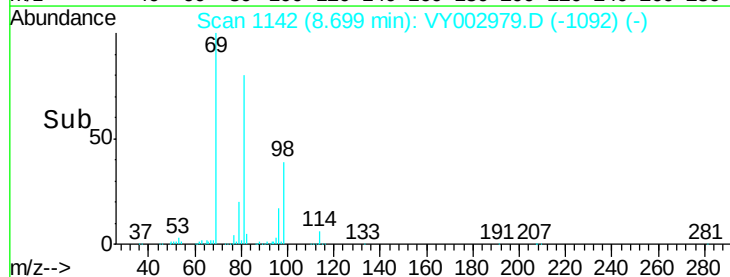
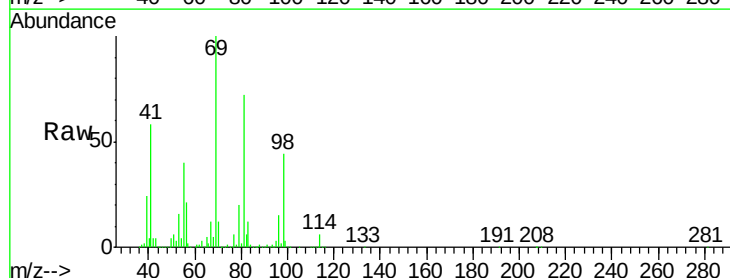
Manual Integrations
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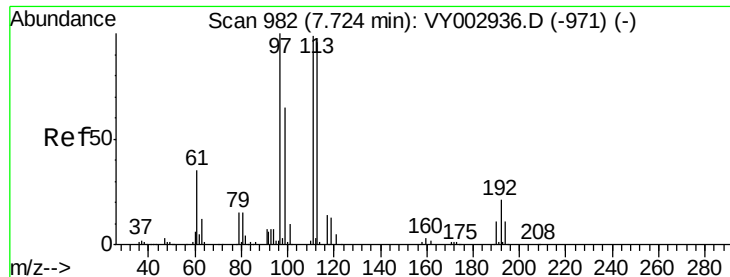
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY002979.D
 Acq: 22 Jun 2020 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	52.7	0.0	34.6#	
88	15.1	0.0	29.2	





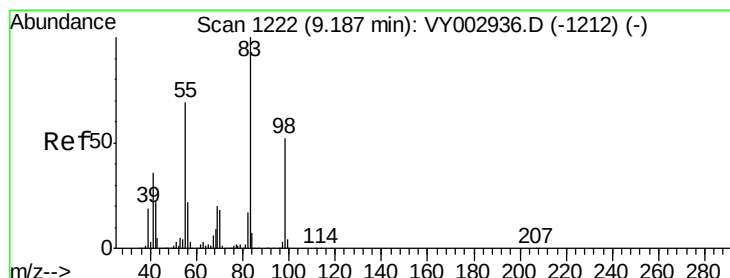
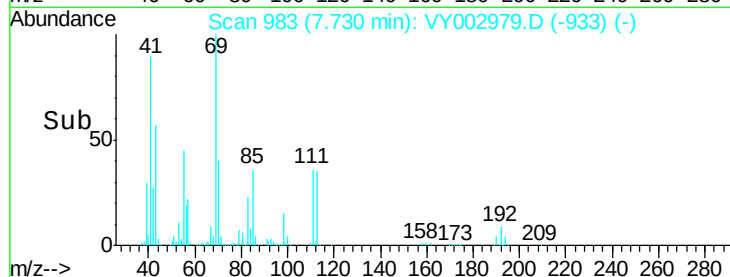
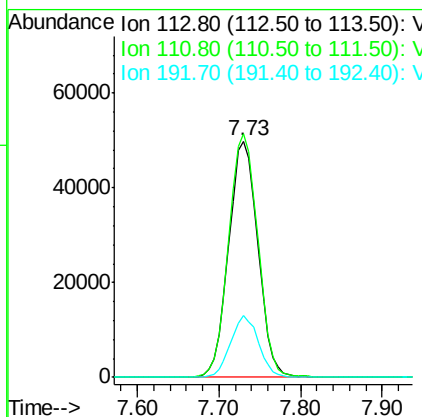
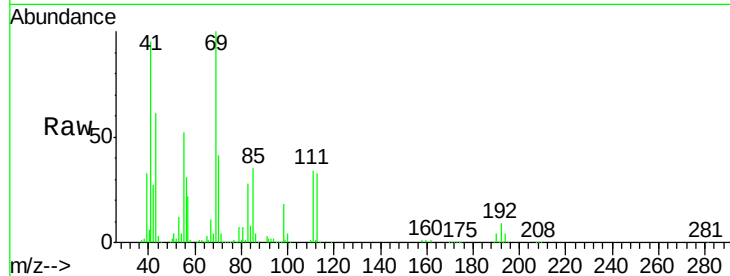
#35
Dibromofluoromethane
Concen: 54.544 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY002979.D
Acq: 22 Jun 2020 17:21

Instrument :
MSVOA_Y
ClientSampleId :
SB-B

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.5	122.3
192	25.1	19.2	28.8

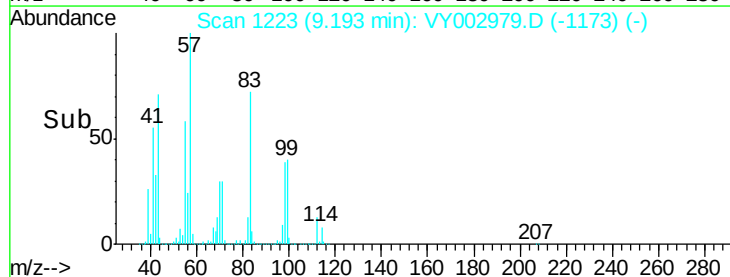
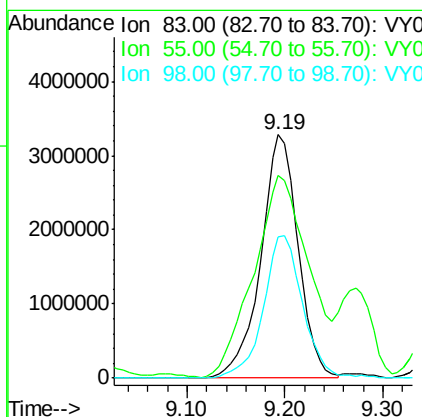
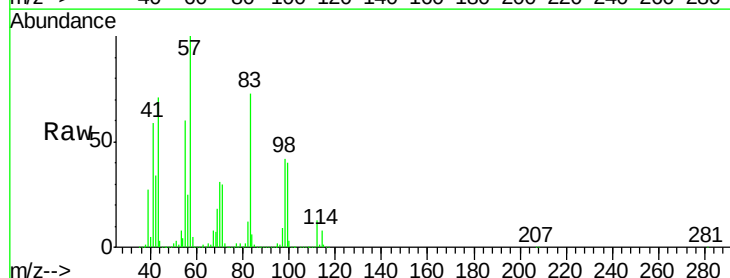
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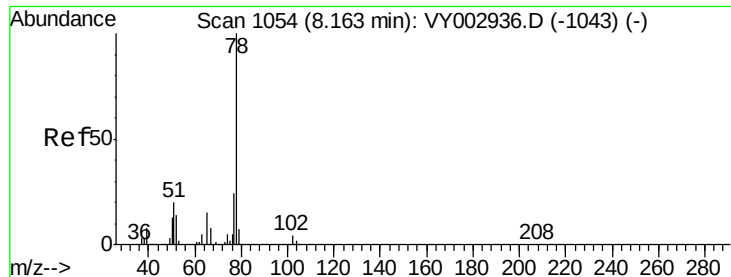
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#39
Methylcyclohexane
Concen: 2033.120 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY002979.D
Acq: 22 Jun 2020 17:21

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.6	55.0	82.4#
98	57.9	41.4	62.2





#40

Benzene

Concen: 299.266 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY002979.D

Acq: 22 Jun 2020 17:21

Instrument :

MSVOA_Y

ClientSampled :

SB-B

Tot Ion: 78 Resp: 2889742

Ion Ratio Lower Upper

78 100

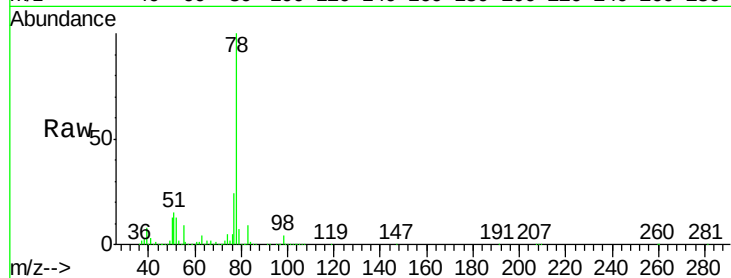
77 23.6 19.3 28.9

Manual Integrations

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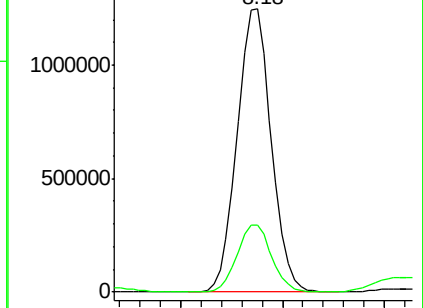
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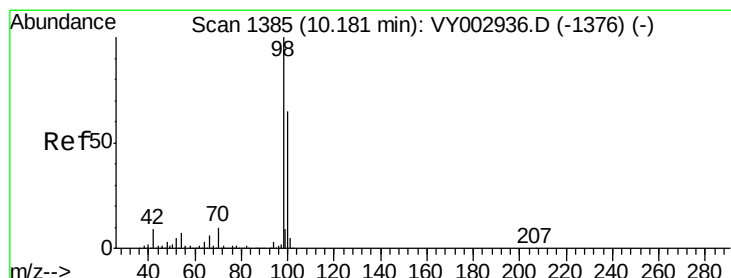
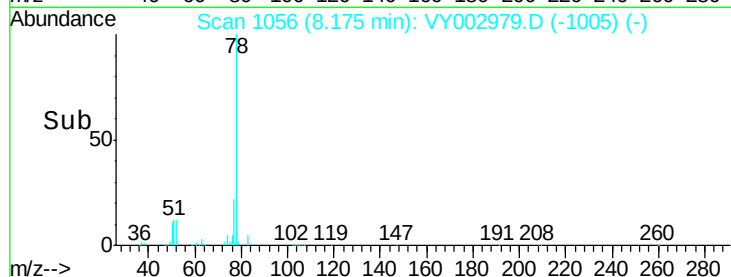


Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time-->



#50

Toluene-d8

Concen: 118.187 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002979.D

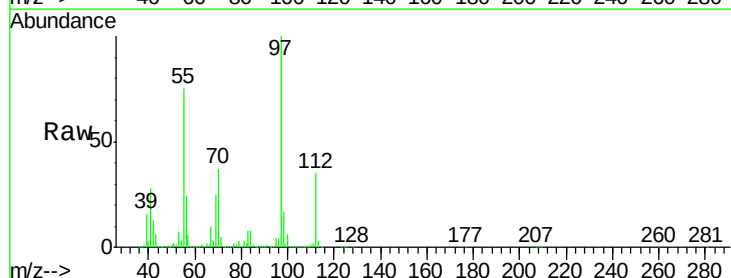
Acq: 22 Jun 2020 17:21

Tgt Ion: 98 Resp: 1053024

Ion Ratio Lower Upper

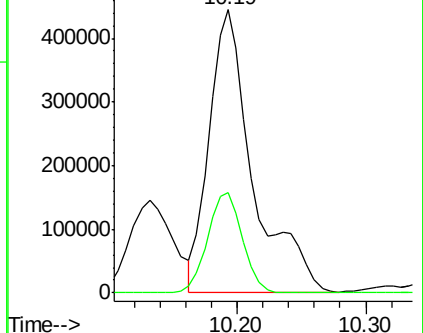
98 100

100 28.2 51.9 77.9#

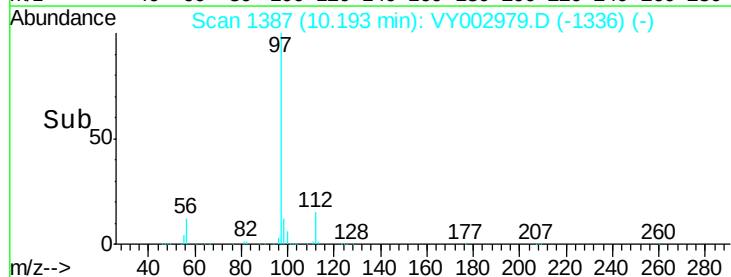


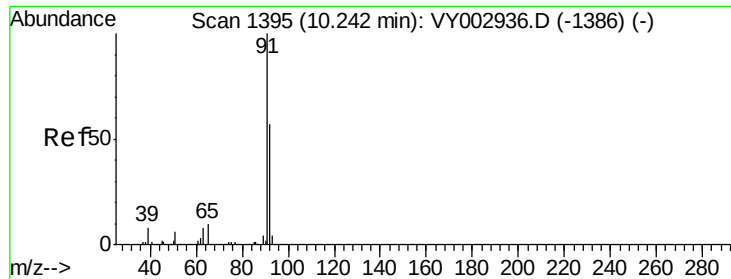
Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



Time-->





#52

Toluene

Concen: 1739.399 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.02 min

Lab File: VY002979.D

Acq: 22 Jun 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

SB-B

Tot Ion: 92 Resp:10870154

Ion Ratio Lower Upper

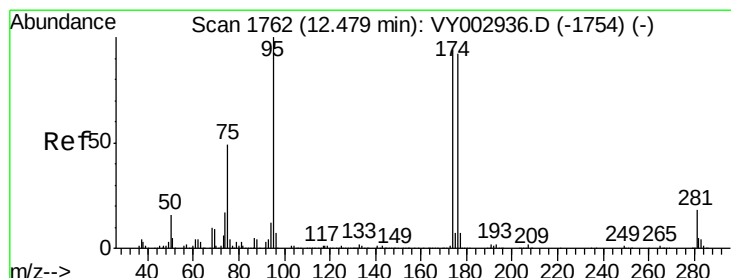
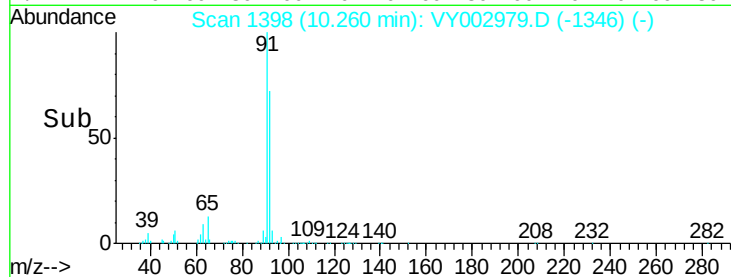
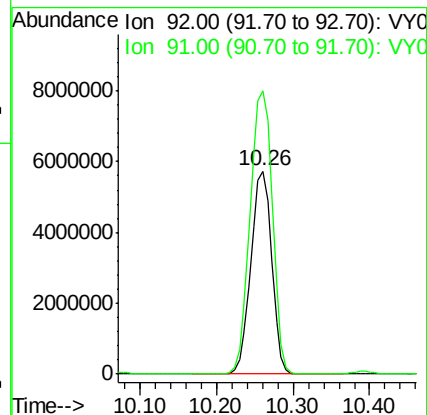
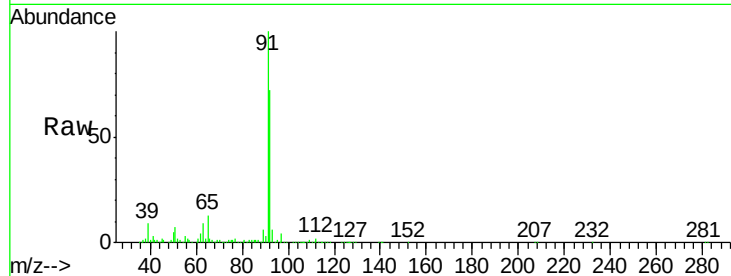
92 100

91 149.8 139.3 208.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 100.531 ug/l m

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002979.D

Acq: 22 Jun 2020 17:21

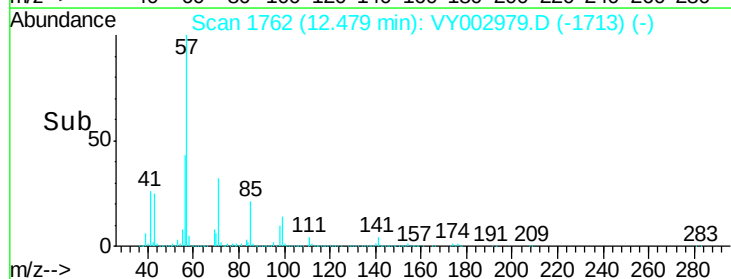
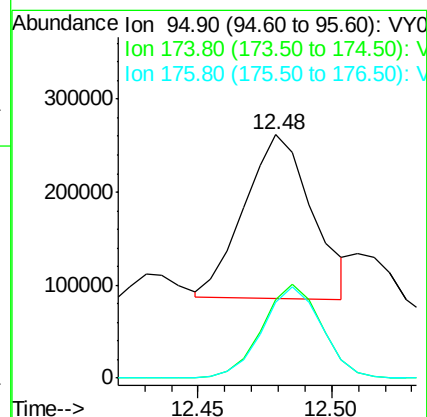
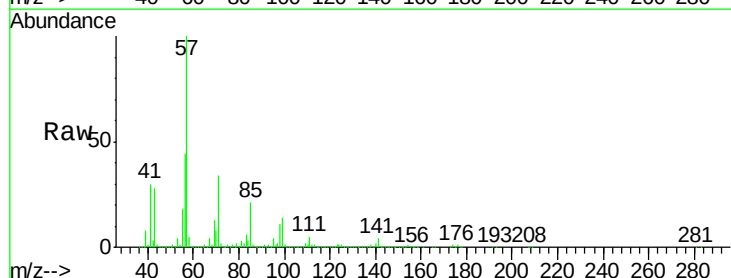
Tgt Ion: 95 Resp: 310703

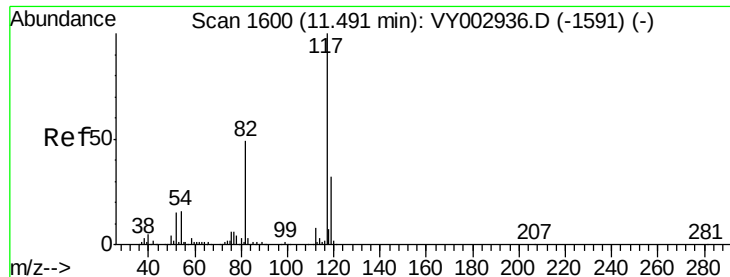
Ion Ratio Lower Upper

95 100

174 50.0 0.0 191.2

176 48.5 0.0 186.0





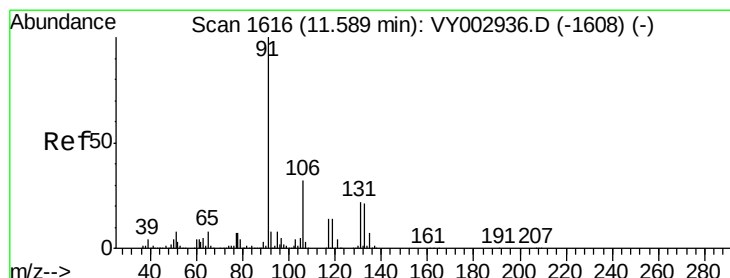
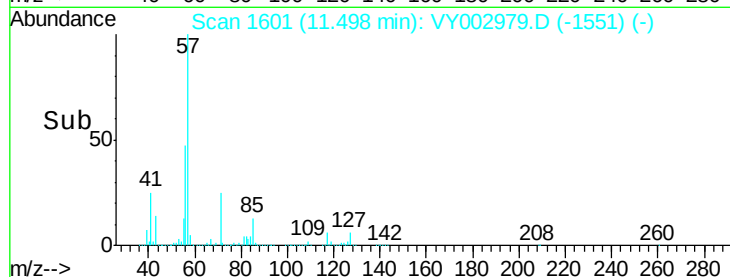
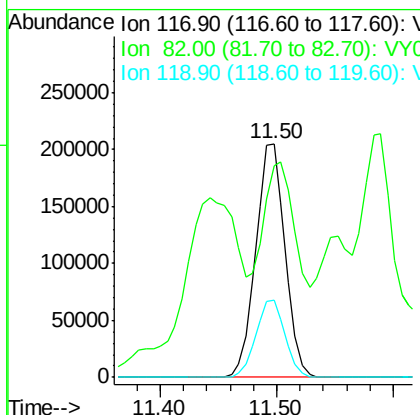
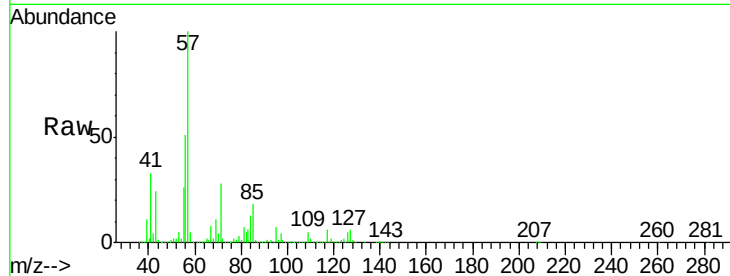
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002979.D
Acq: 22 Jun 2020 17:21

Instrument :
MSVOA_Y
ClientSampled :
SB-B

Tot Ion	Ratio	Lower	Upper
117	100		
82	40.9	39.4	59.0
119	32.9	25.4	38.0

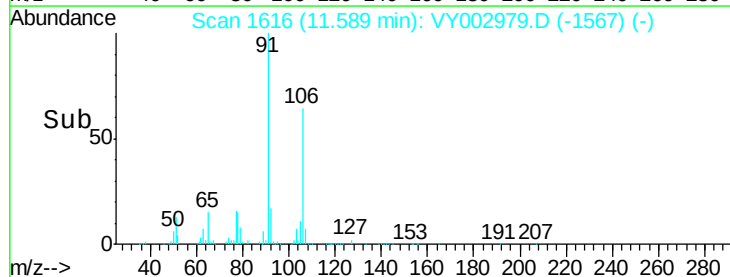
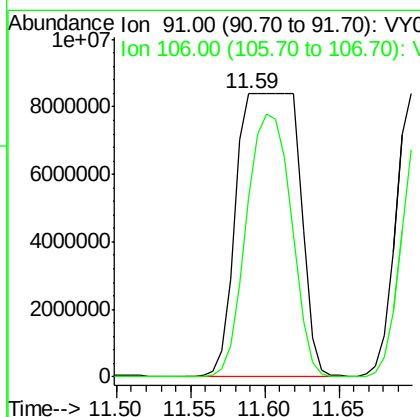
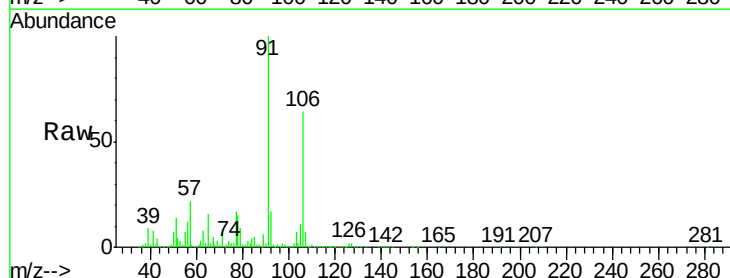
Manual Integrations
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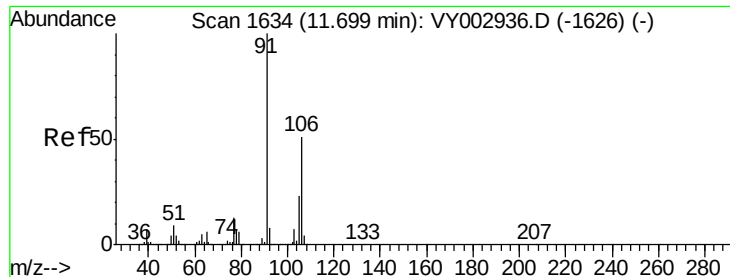
MMDadoda
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#67
Ethyl Benzene
Concen: 2095.178 ug/l m
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002979.D
Acq: 22 Jun 2020 17:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	63.7	25.8	38.8





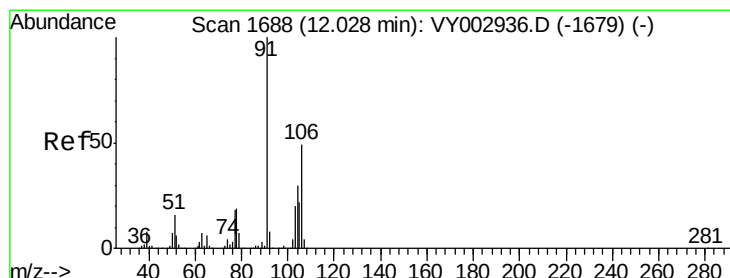
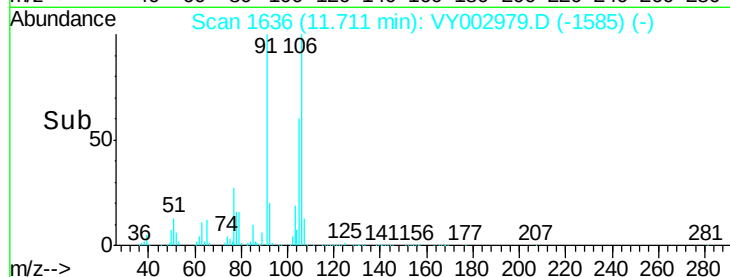
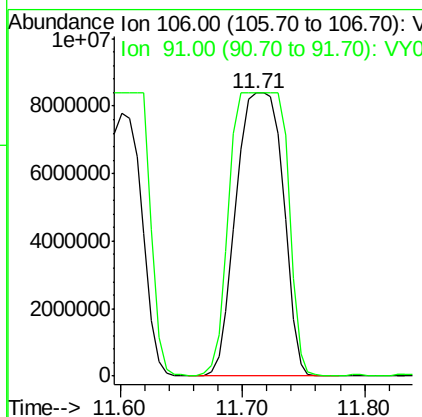
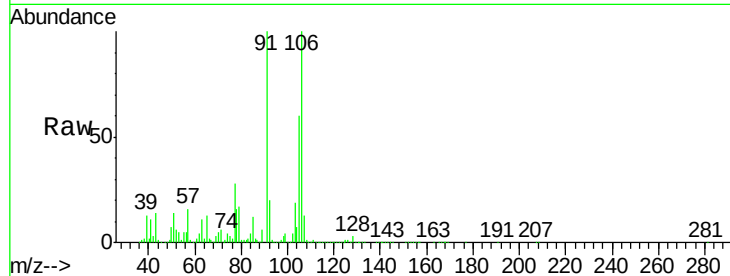
#68
m/p-Xylenes
Concen: 4890.053 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VY002979.D
Acq: 22 Jun 2020 17:21

Instrument :
MSVOA_Y
ClientSampled :
SB-B

Tot Ion:106 Resp:22268752
Ion Ratio Lower Upper
106 100
91 0.0 155.9 233.9#

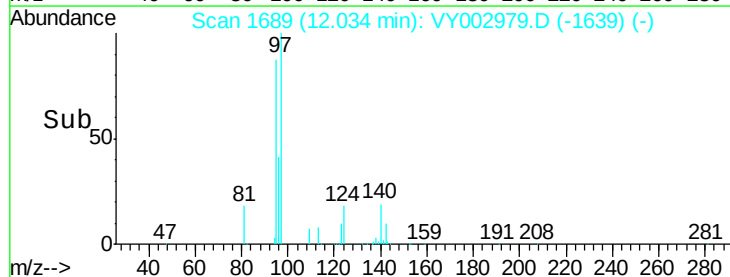
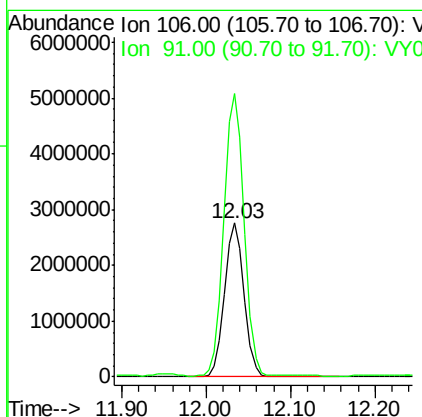
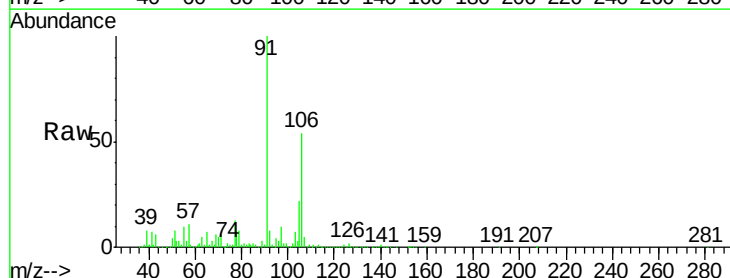
Manual Integrations
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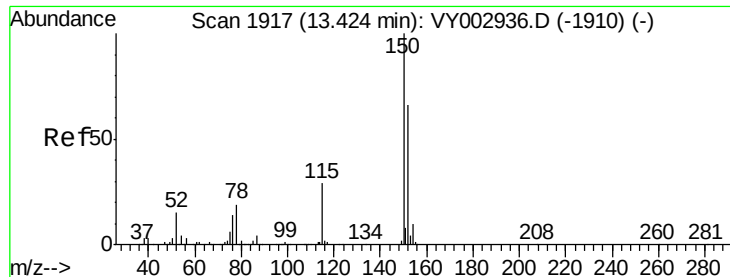
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#69
o-Xylene
Concen: 1015.302 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002979.D
Acq: 22 Jun 2020 17:21

Tgt Ion:106 Resp: 4358283
Ion Ratio Lower Upper
106 100
91 191.4 102.1 306.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VY002979.D

Acq: 22 Jun 2020 17:21

Instrument :

MSVOA_Y

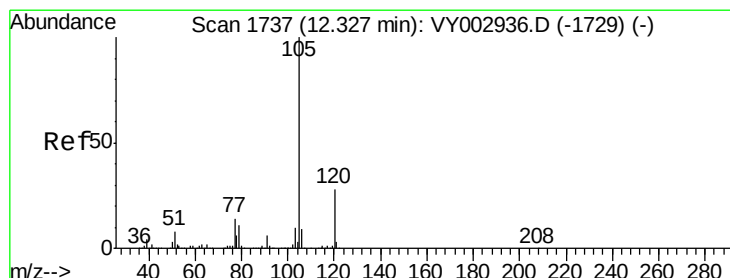
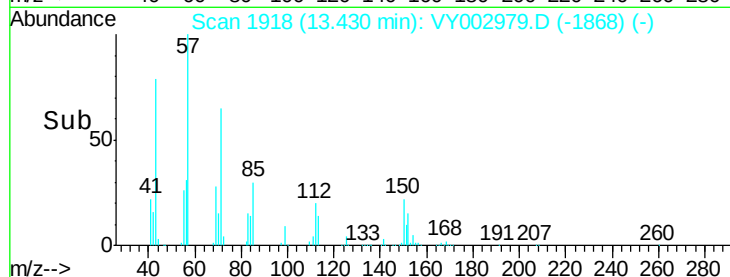
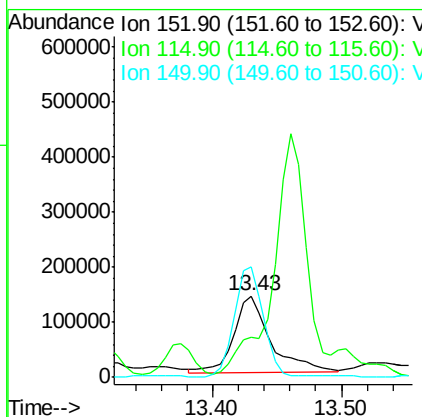
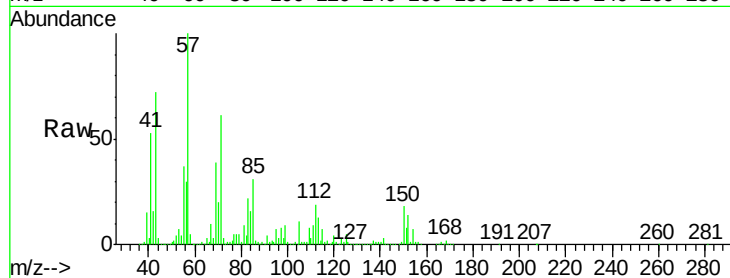
ClientSampled :

SB-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	26.9	80.6#
150	111.6	0.0	341.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 1155.733 ug/l

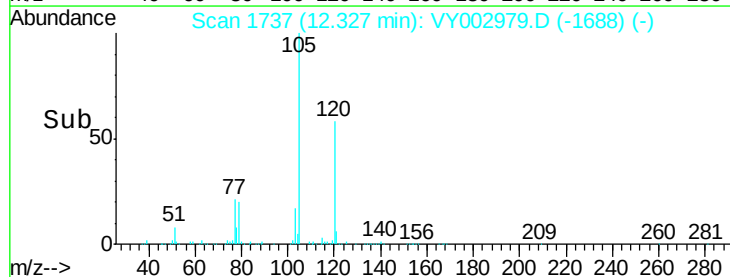
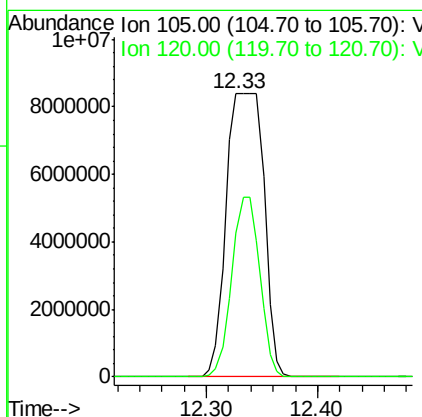
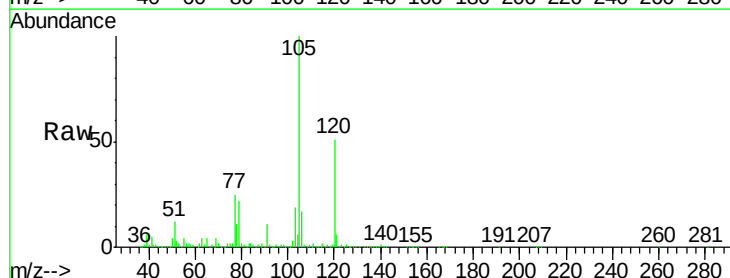
RT: 12.33 min Scan# 1737

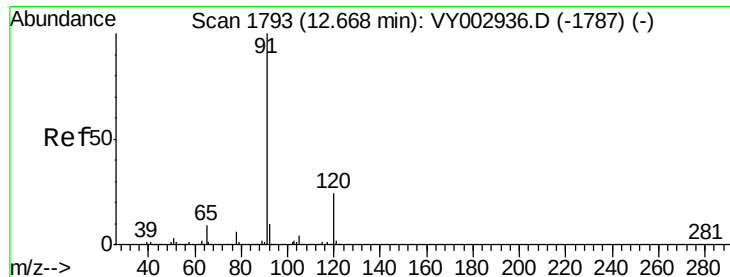
Delta R.T. 0.00 min

Lab File: VY002979.D

Acq: 22 Jun 2020 17:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	14.0	41.9#





#78

n-propylbenzene

Concen: 1130.460 ug/l m

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002979.D

Acq: 22 Jun 2020 17:21

Instrument :

MSVOA_Y

ClientSampled :

SB-B

Tot Ion: 91 Resp:22240526

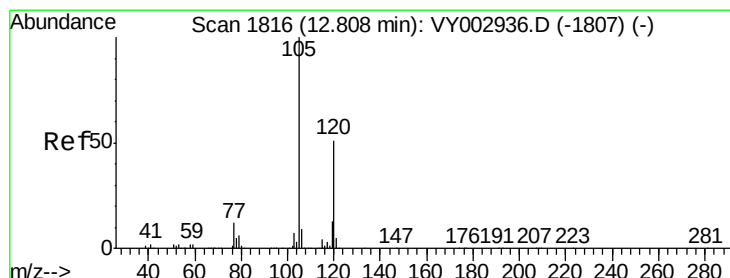
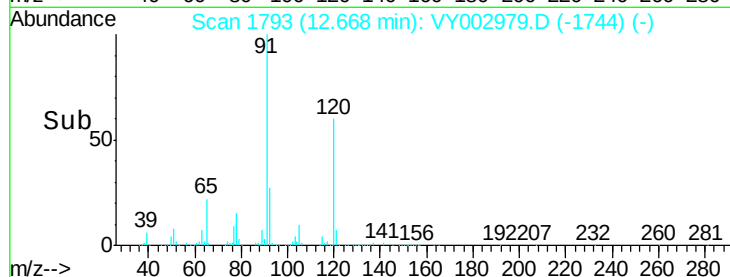
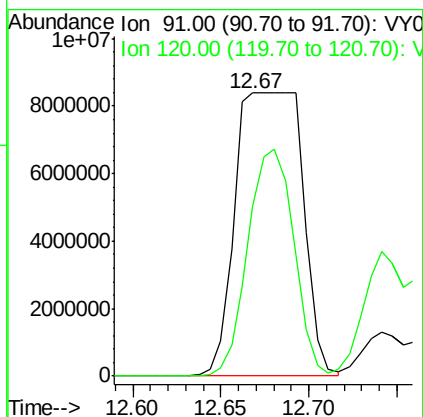
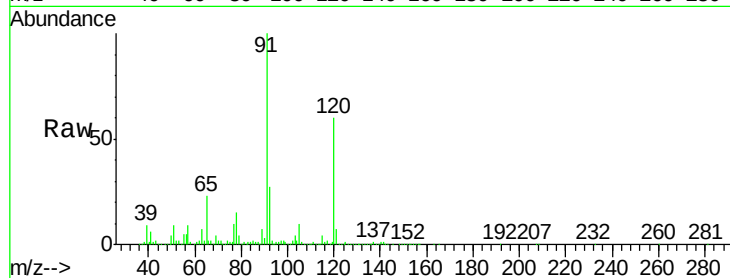
Ion Ratio Lower Upper

91 100

120 25.0 12.3 36.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 1210.523 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY002979.D

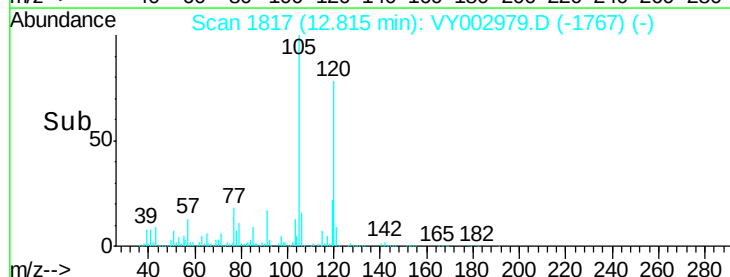
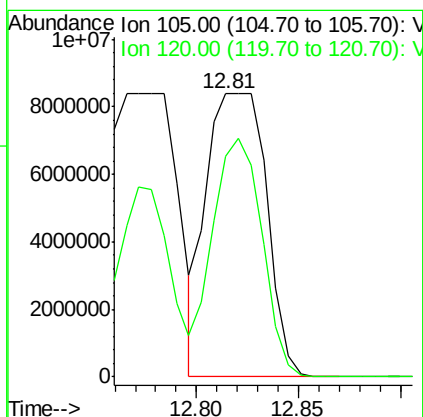
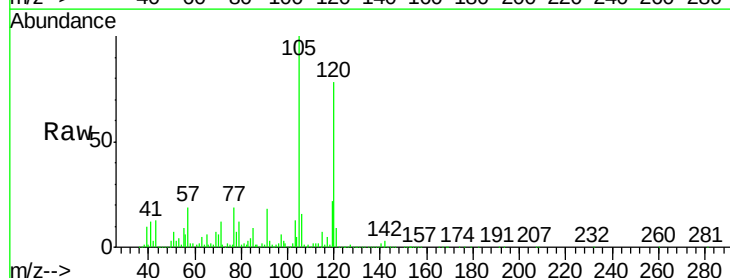
Acq: 22 Jun 2020 17:21

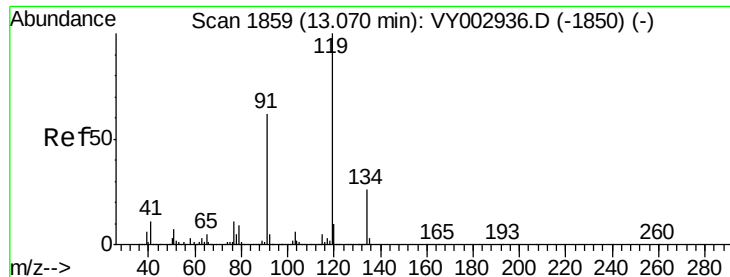
Tgt Ion:105 Resp:17112938

Ion Ratio Lower Upper

105 100

120 69.7 25.6 76.6





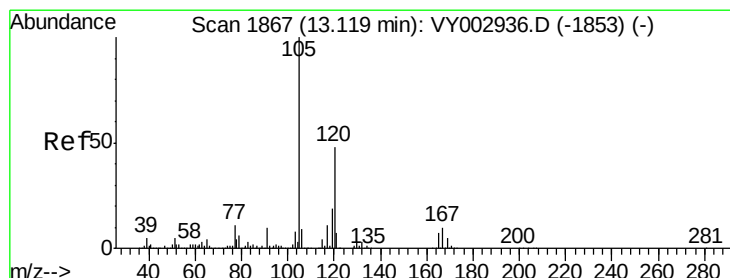
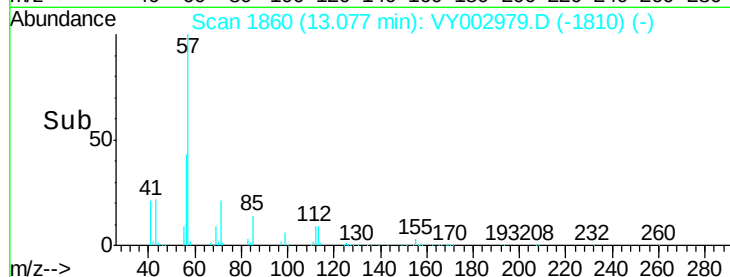
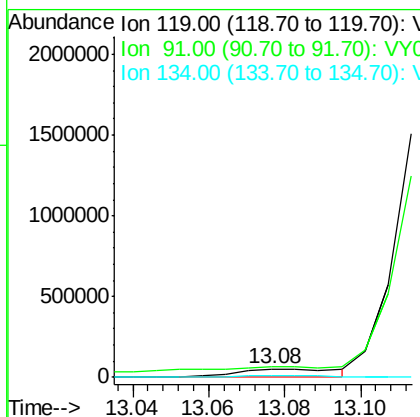
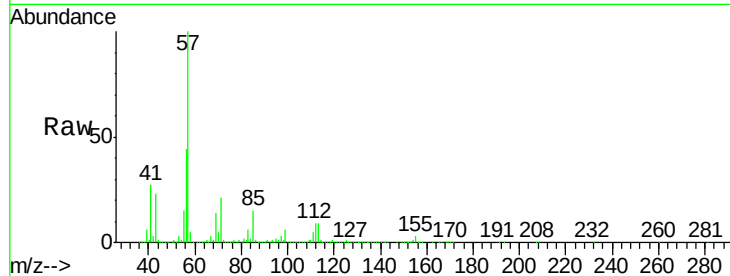
#83
 tert-Butylbenzene
 Concen: 7.538 ug/l m
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY002979.D
 Acq: 22 Jun 2020 17:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-B

Tot Ion:119 Resp: 95450
 Ion Ratio Lower Upper
 119 100
 91 4175.5 29.9 89.7
 134 0.0 13.3 39.8#

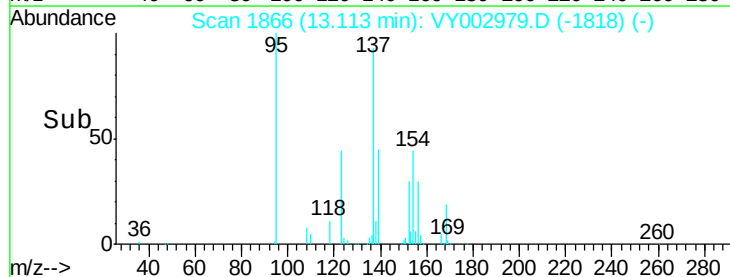
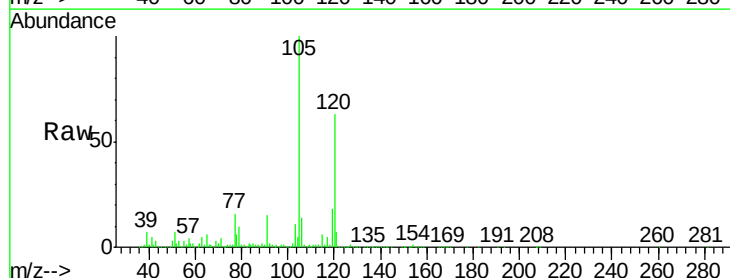
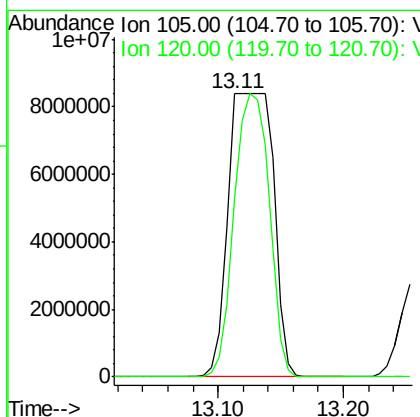
Manual Integrations
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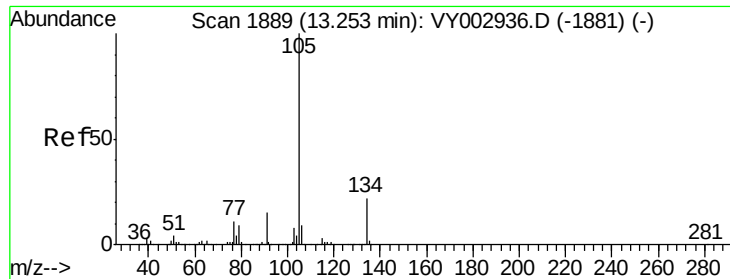
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#84
 1,2,4-Trimethylbenzene
 Concen: 1469.903 ug/l m
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY002979.D
 Acq: 22 Jun 2020 17:21

Tgt Ion:105 Resp:20909656
 Ion Ratio Lower Upper
 105 100
 120 24.7 23.5 70.5





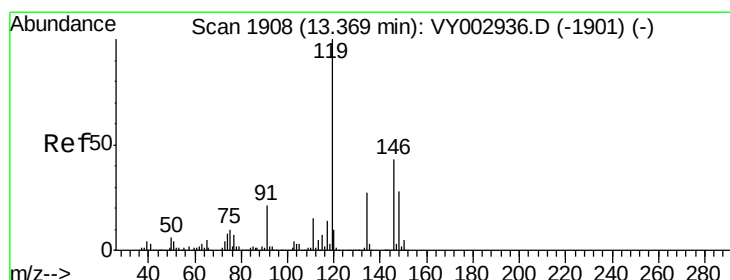
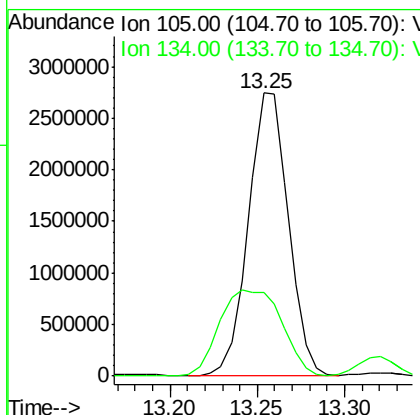
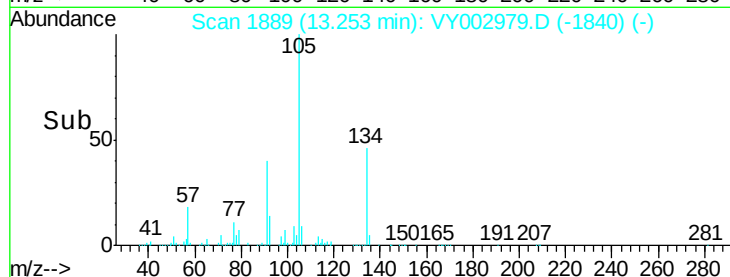
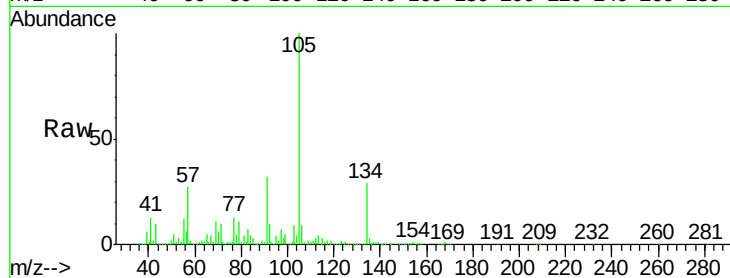
#85
 sec-Butylbenzene
 Concen: 251.100 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY002979.D
 Acq: 22 Jun 2020 17:21

Instrument :
 MSVOA_Y
 ClientSampled :
 SB-B

Tot Ion:105 Resp: 4325238
 Ion Ratio Lower Upper
 105 100
 134 47.8 10.8 32.4#

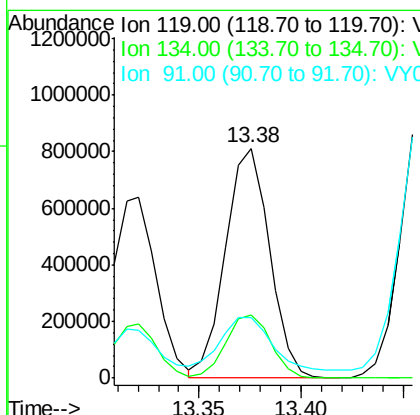
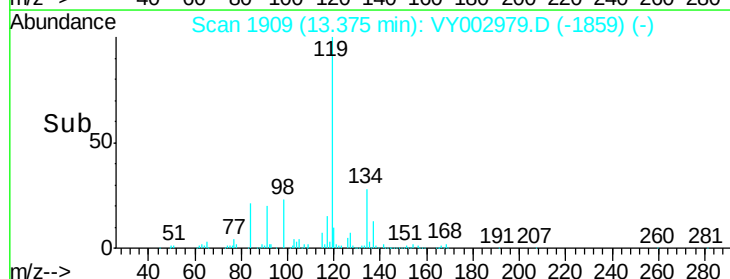
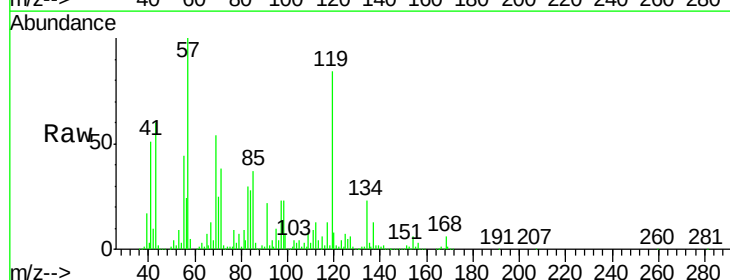
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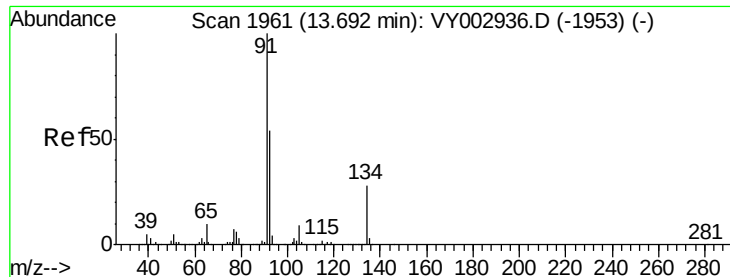
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 6/23/2020 8:13:23 PM



#86
 p-Isopropyltoluene
 Concen: 75.018 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VY002979.D
 Acq: 22 Jun 2020 17:21

Tgt Ion:119 Resp: 1212075
 Ion Ratio Lower Upper
 119 100
 134 28.1 13.6 40.8
 91 26.6 10.8 32.4





#89

n-Butylbenzene

Concen: 437.864 ug/l m

RT: 13.70 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VY002979.D

Acq: 22 Jun 2020 17:21

Instrument :

MSVOA_Y

ClientSampled :

SB-B

Tot Ion: 91 Resp: 6395510

Ion Ratio Lower Upper

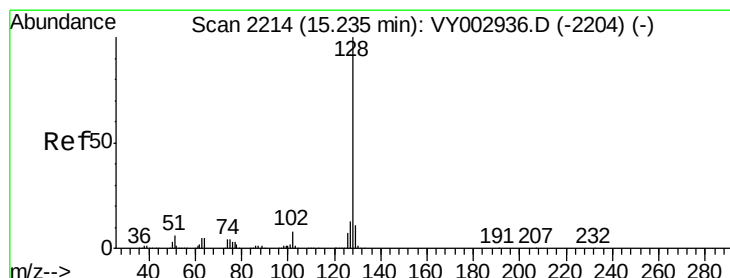
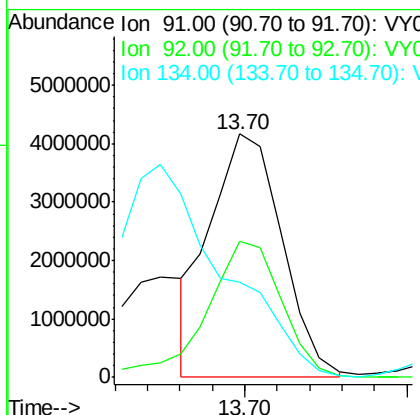
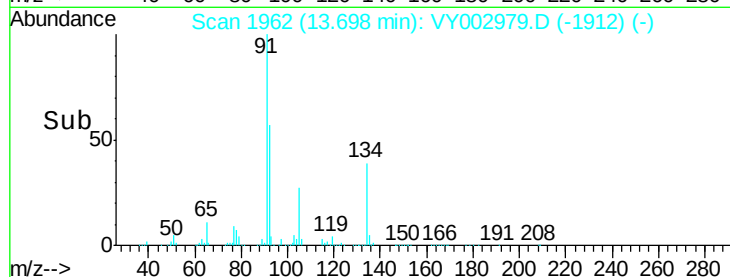
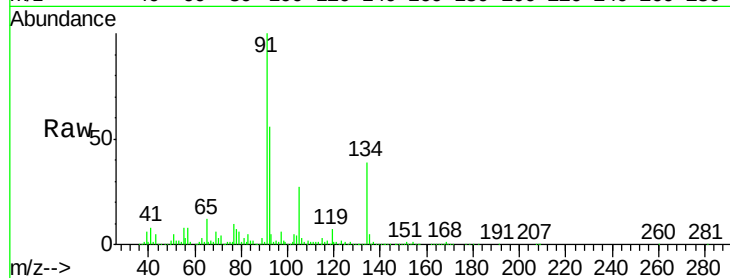
91 100

92 58.6 27.0 80.8

134 0.0 14.5 43.5#

Manual Integrations
APPROVED

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#95

Naphthalene

Concen: 873.637 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002979.D

Acq: 22 Jun 2020 17:21

Tgt Ion: 128 Resp: 9952108

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

129 11.8 8.7 13.1

