

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002985.D
 Acq On : 22 Jun 2020 19:44
 Operator : SY/MD
 Sample : L3082-04
 Misc : 5.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 8:13:34 PM

Quant Time: Jun 23 09:49:20 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	301896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	453651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	433480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232752	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	138059	55.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.74%	
35) Dibromofluoromethane	7.72	113	137405	53.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.06%	
50) Toluene-d8	10.18	98	518699	51.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.48	95	196197	55.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.76%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.19	83	9201	1.895	ug/l #	85
52) Toluene	10.24	92	108241	15.248	ug/l	97
67) Ethyl Benzene	11.59	91	150084	10.604	ug/l	97
68) m/p-Xylenes	11.70	106	261089	47.472	ug/l	97
69) o-Xylene	12.03	106	118235	22.806	ug/l	100
73) Isopropylbenzene	12.33	105	108725	7.622	ug/l	100
78) n-propylbenzene	12.67	91	211807	12.798	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	251548	21.153	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	887032	74.128	ug/l	98
85) sec-Butylbenzene	13.25	105	20143m	1.390	ug/l	
89) n-Butylbenzene	13.69	91	32775	2.668	ug/l #	74
95) Naphthalene	15.23	128	197610	20.622	ug/l	100

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

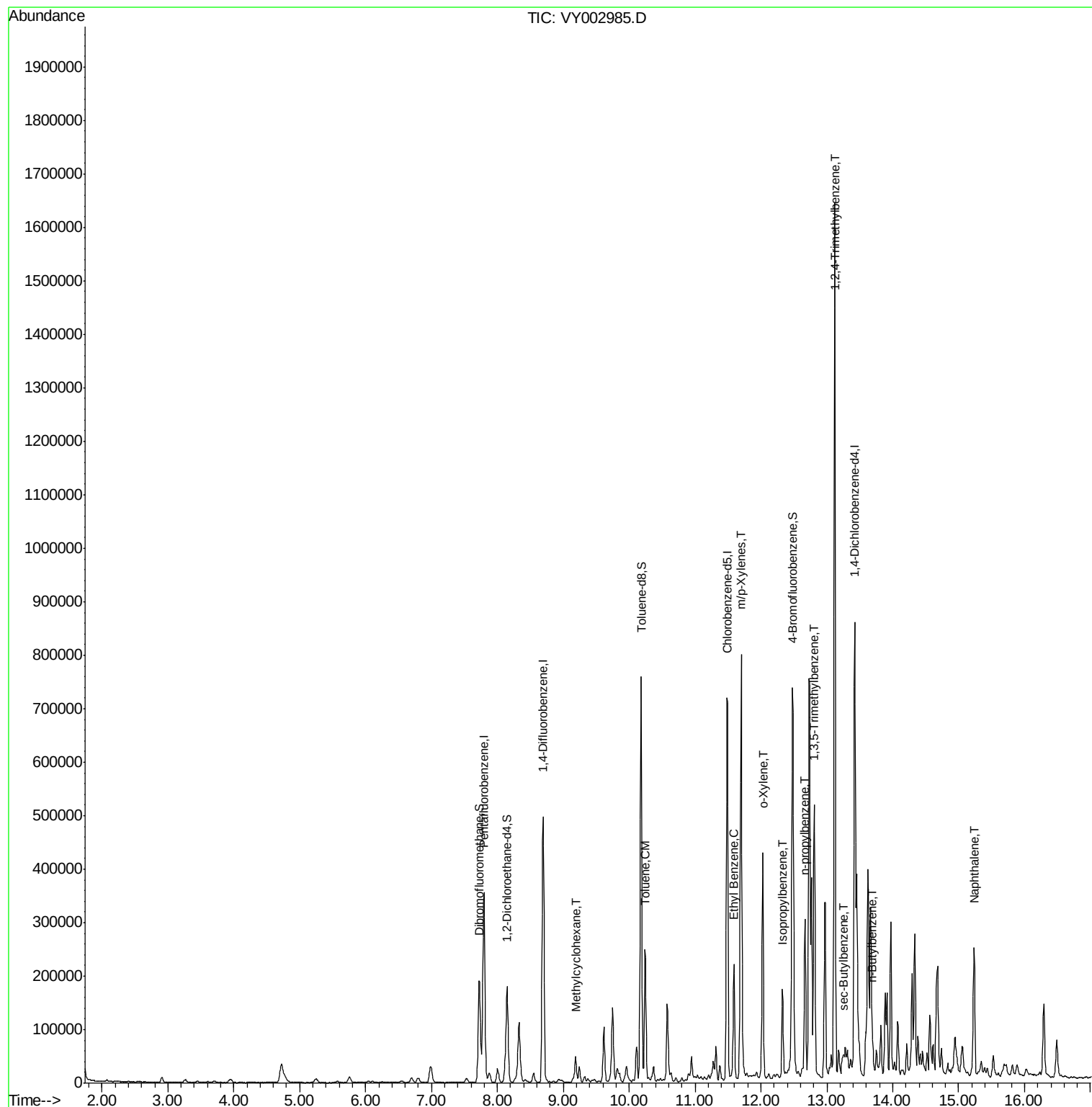
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002985.D
Acq On : 22 Jun 2020 19:44
Operator : SY/MD
Sample : L3082-04
Misc : 5.12G/5ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

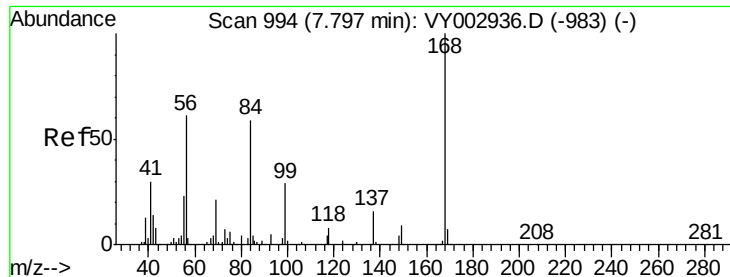
Instrument :
MSVOA_Y
ClientSampleId :
SB-4

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Quant Time: Jun 23 09:49:20 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: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002985.D

Acq: 22 Jun 2020 19:44

Instrument :

MSVOA_Y

ClientSampled :

SB-4

Tot Ion:168 Resp: 301896

Ion Ratio Lower Upper

168 100

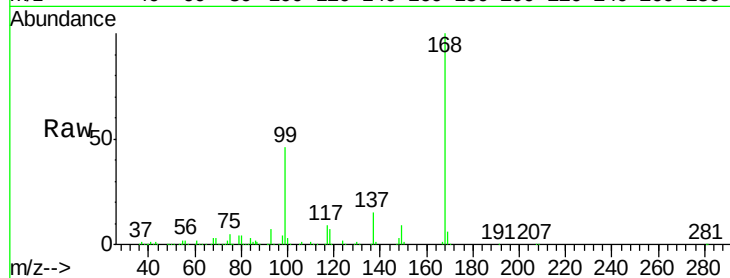
99 45.9 39.5 59.3

Manual Integrations

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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) (-)

7.80

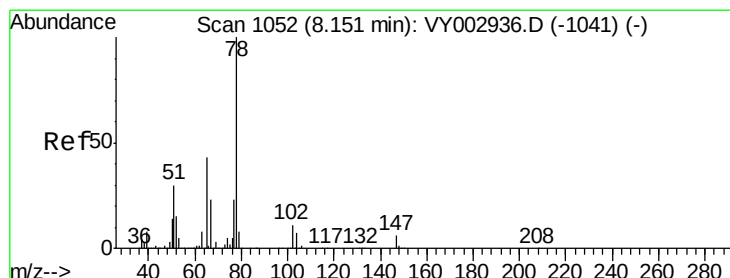
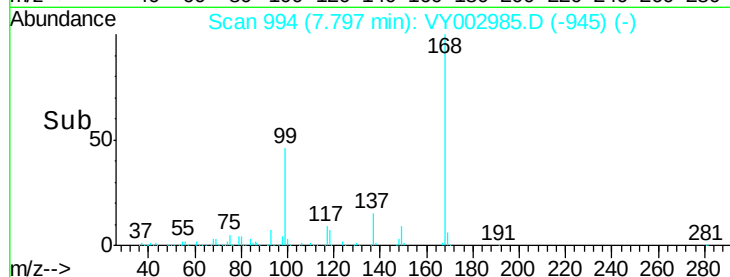
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.365 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002985.D

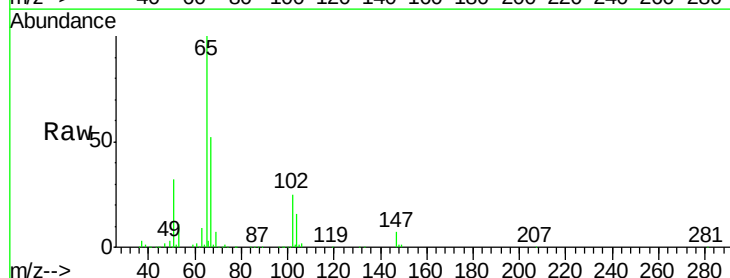
Acq: 22 Jun 2020 19:44

Tgt Ion: 65 Resp: 138059

Ion Ratio Lower Upper

65 100

67 52.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY002936.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY002936.D (-1041) (-)

8.15

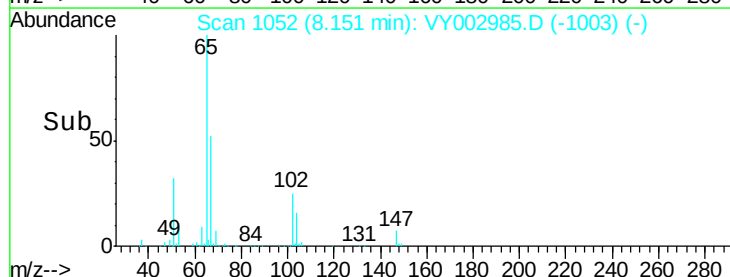
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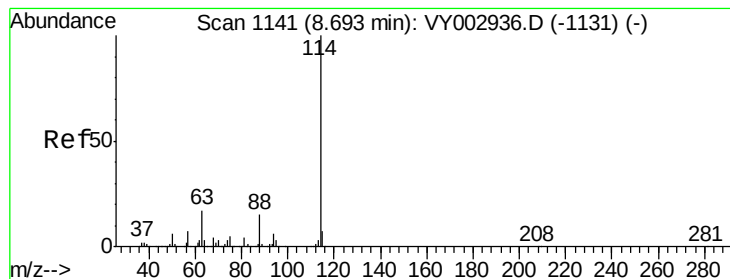
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002985.D

Acq: 22 Jun 2020 19:44

Instrument :

MSVOA_Y

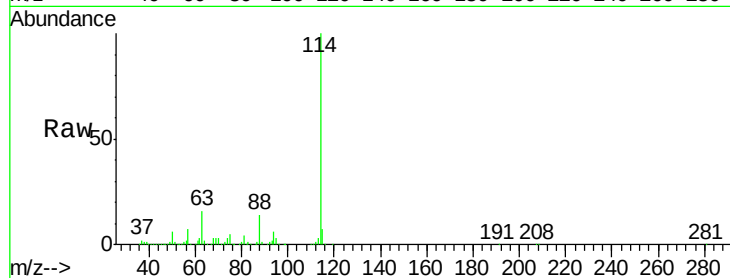
ClientSampleId :

SB-4

Tot Ion:	114	Resp:	453651
Ion Ratio	Lower	Upper	
114	100		
63	16.4	0.0	34.6
88	14.1	0.0	29.2

Manual Integrations
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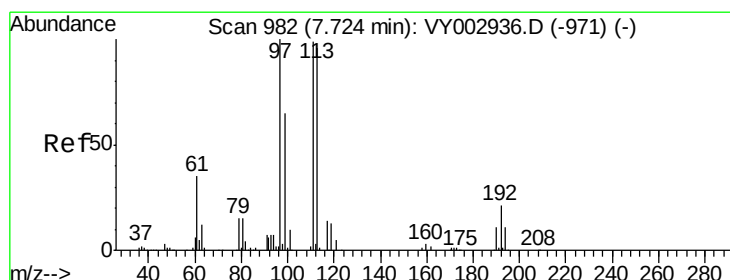
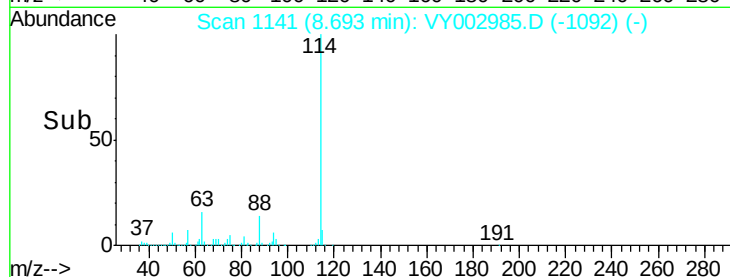
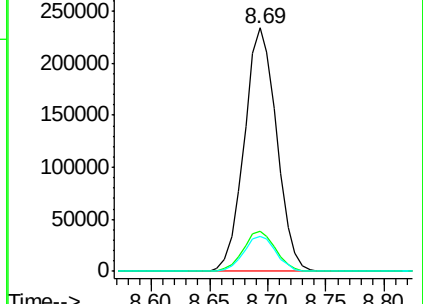
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 53.530 ug/l

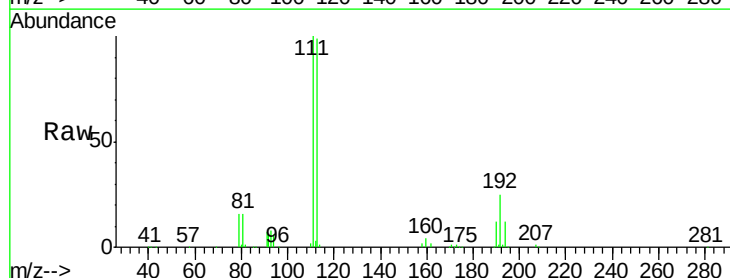
RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002985.D

Acq: 22 Jun 2020 19:44

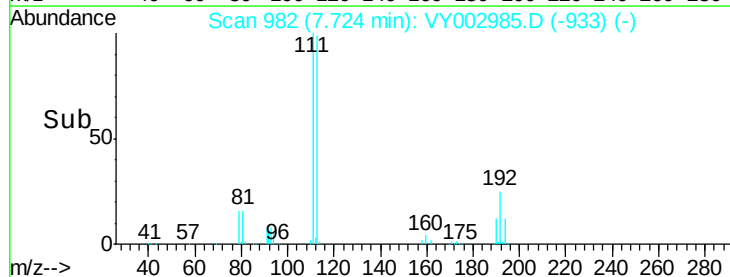
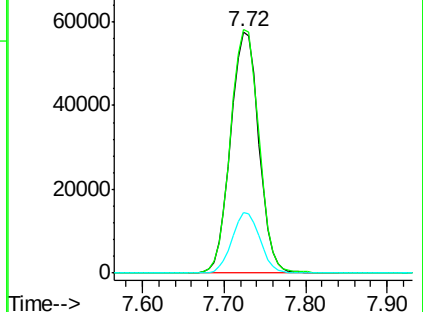
Tgt Ion:	113	Resp:	137405
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.5	122.3
192	24.6	19.2	28.8

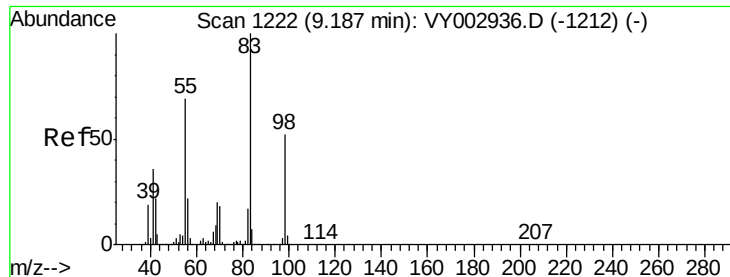


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





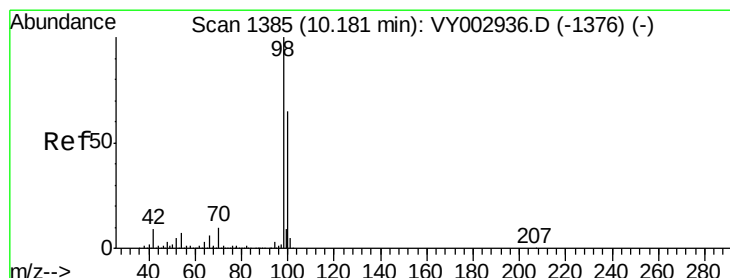
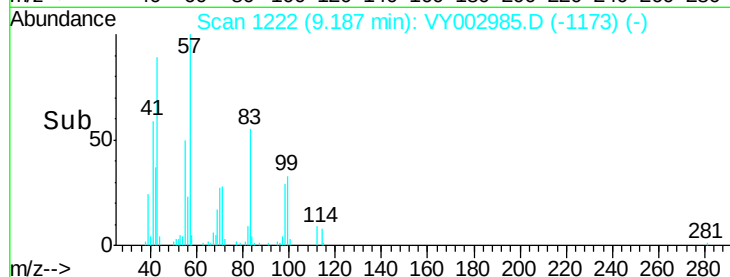
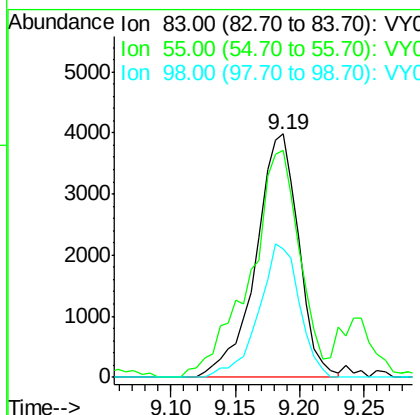
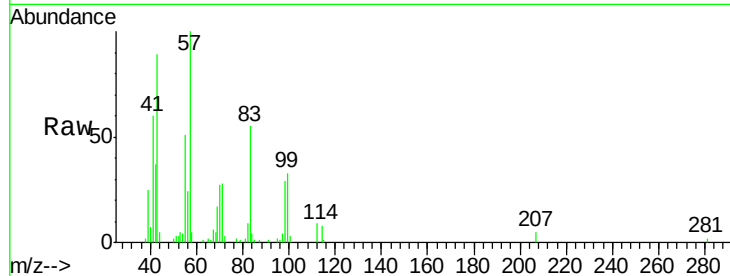
#39
Methylvlcyclohexane
Concen: 1.895 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Instrument :
MSVOA_Y
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.8	55.0	82.4#
98	52.5	41.4	62.2

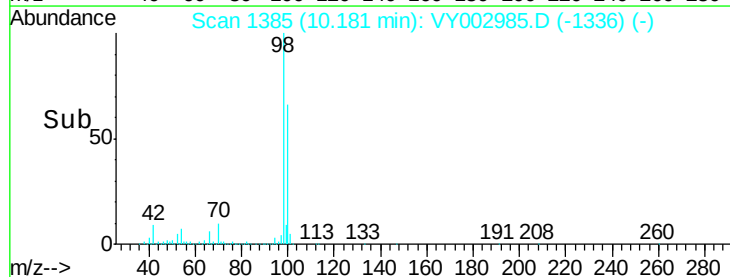
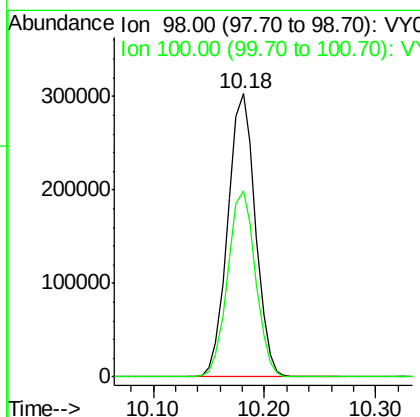
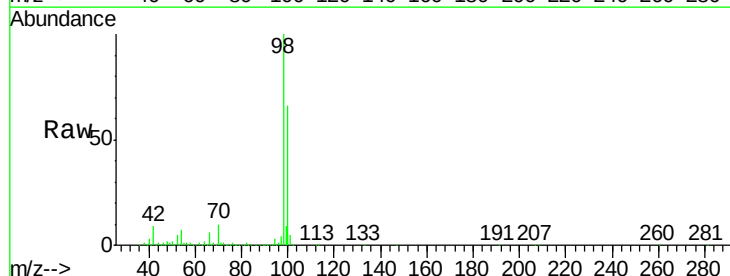
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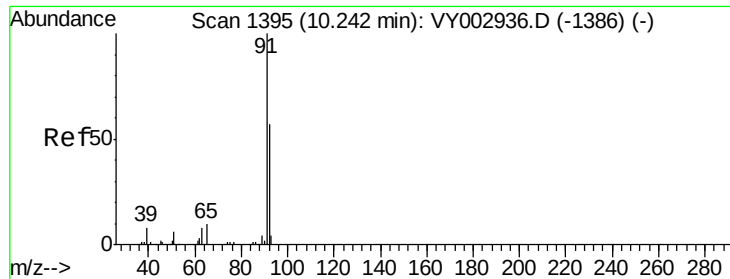
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#50
Toluene-d8
Concen: 51.250 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.9	77.9





#52

Toluene

Concen: 15.248 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY002985.D

Acq: 22 Jun 2020 19:44

Instrument :

MSVOA_Y

ClientSampleId :

SB-4

Tot Ion: 92 Resp: 108241

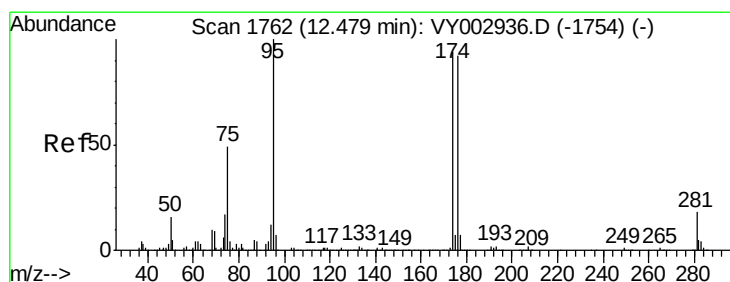
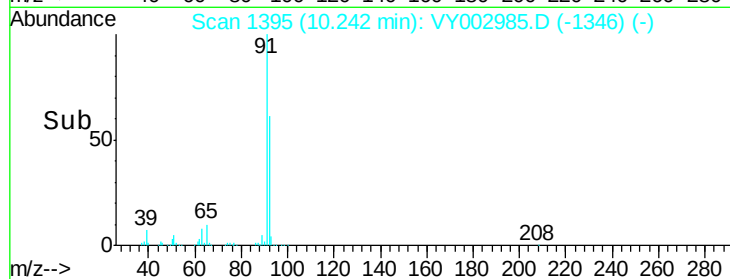
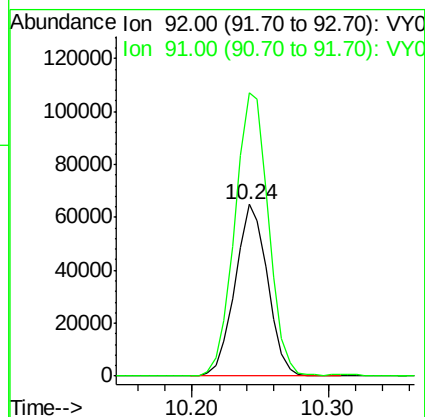
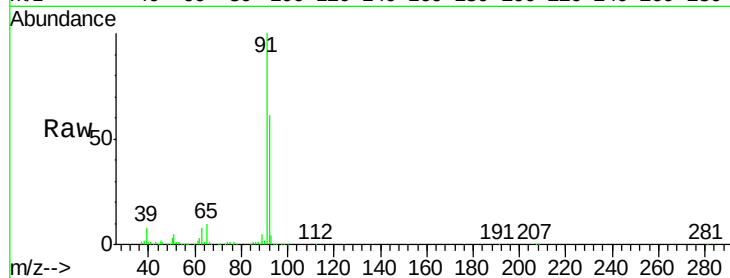
Ion Ratio Lower Upper

92 100

91 170.1 139.3 208.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 55.885 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002985.D

Acq: 22 Jun 2020 19:44

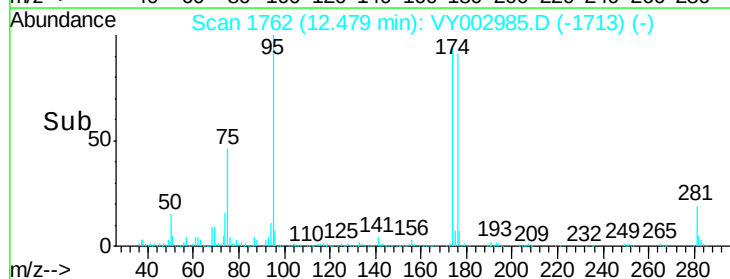
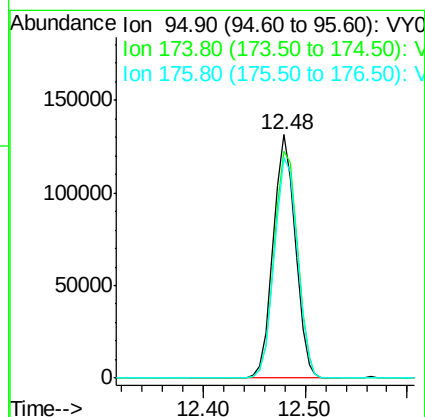
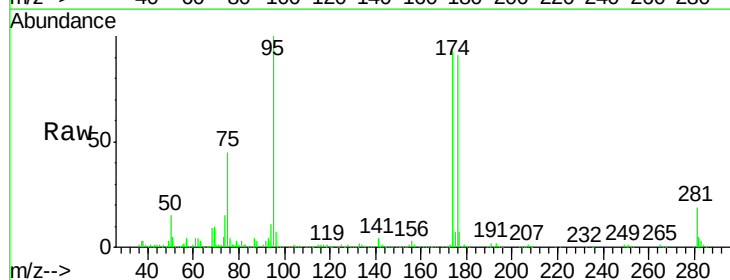
Tgt Ion: 95 Resp: 196197

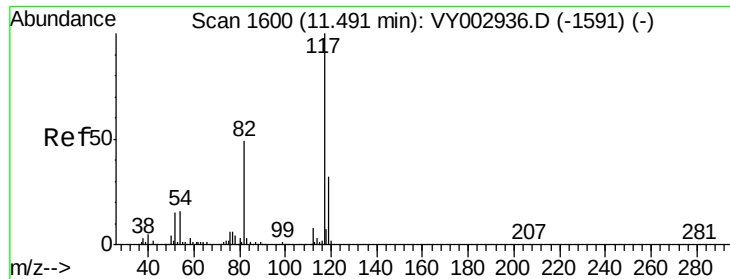
Ion Ratio Lower Upper

95 100

174 98.7 0.0 191.2

176 94.5 0.0 186.0





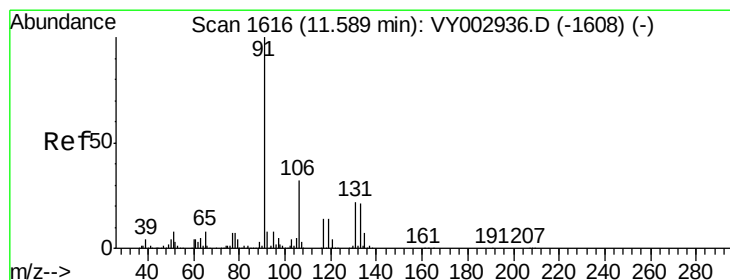
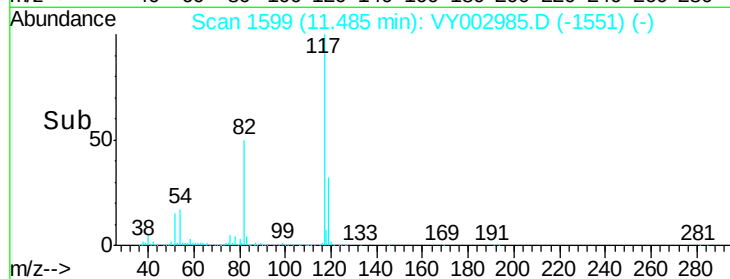
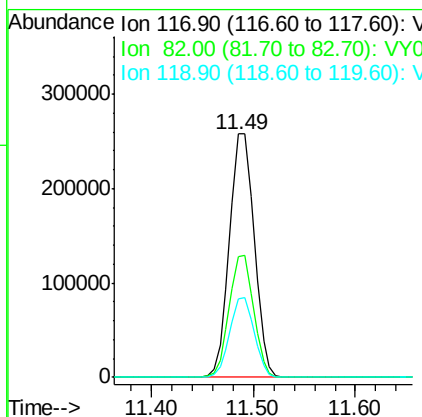
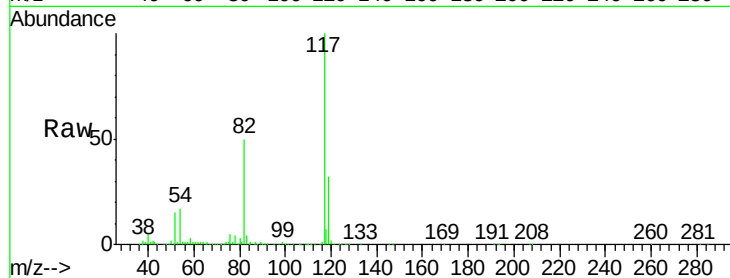
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Instrument :
MSVOA_Y
ClientSampleId :
SB-4

Tot Ion	Ratio	Resp	Lower	Upper
117	100	433480		
82	49.6		39.4	59.0
119	32.1		25.4	38.0

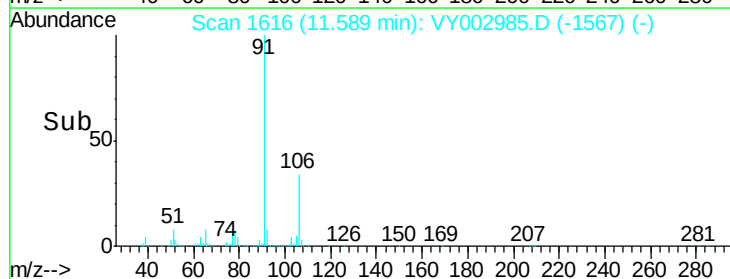
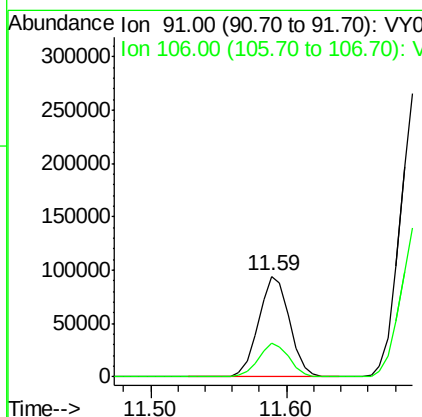
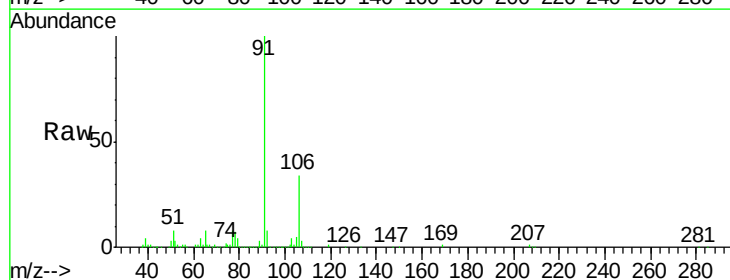
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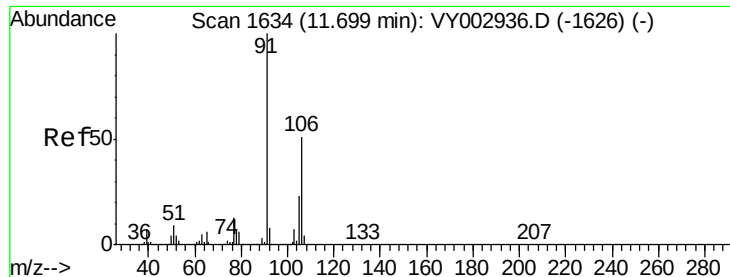
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#67
Ethyl Benzene
Concen: 10.604 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	150084		
106	33.9		25.8	38.8





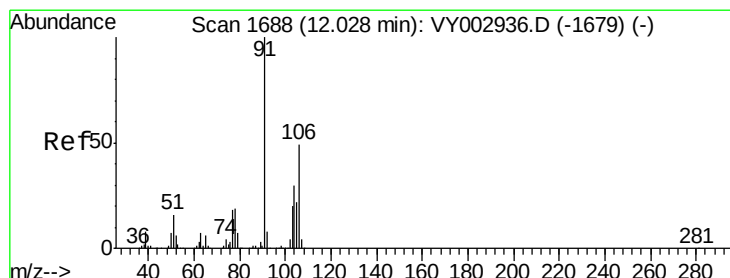
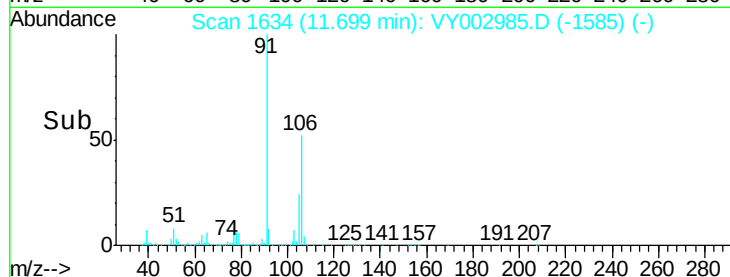
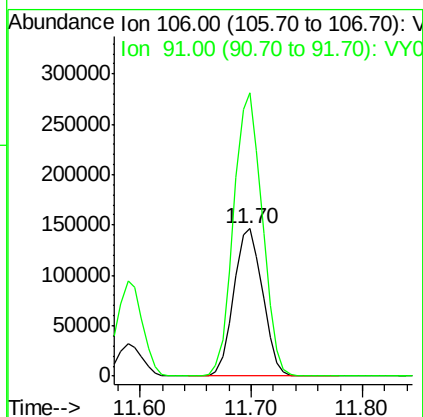
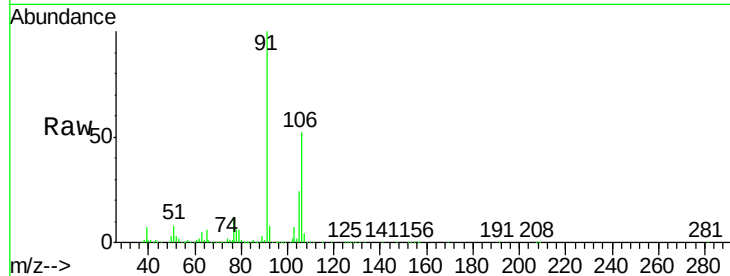
#68
m/p-Xylenes
Concen: 47.472 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Instrument :
MSVOA_Y
ClientSampled :
SB-4

Tot Ion:106 Resp: 261089
Ion Ratio Lower Upper
106 100
91 191.1 155.9 233.9

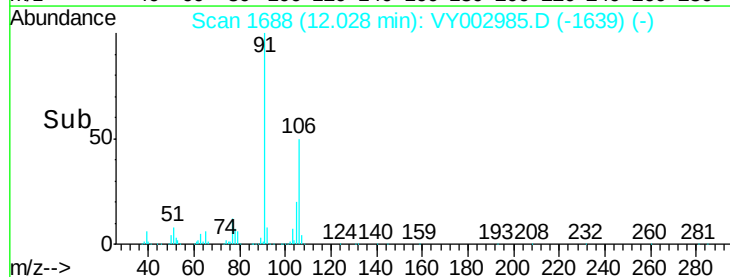
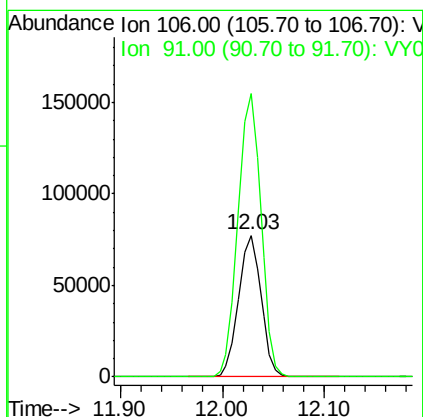
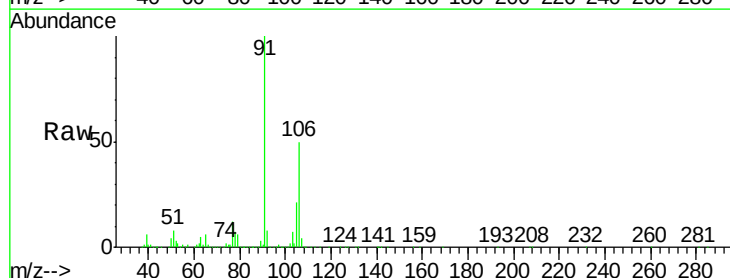
Manual Integrations
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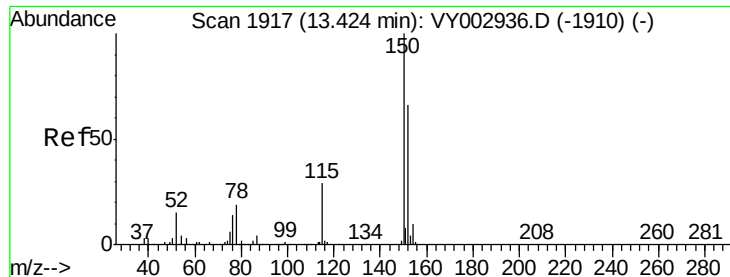
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#69
o-Xylene
Concen: 22.806 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Tgt Ion:106 Resp: 118235
Ion Ratio Lower Upper
106 100
91 203.6 102.1 306.1





#72

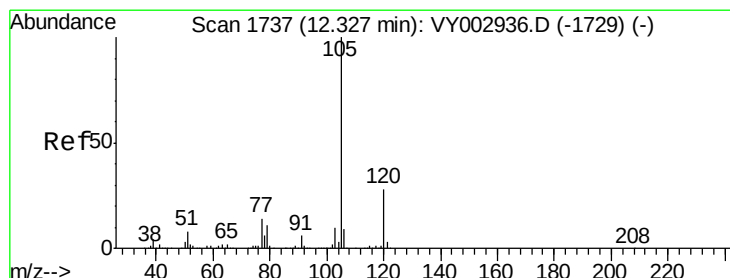
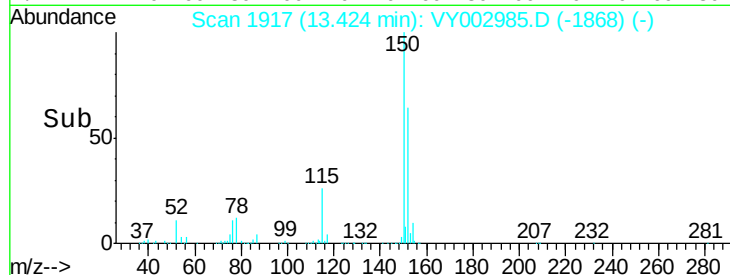
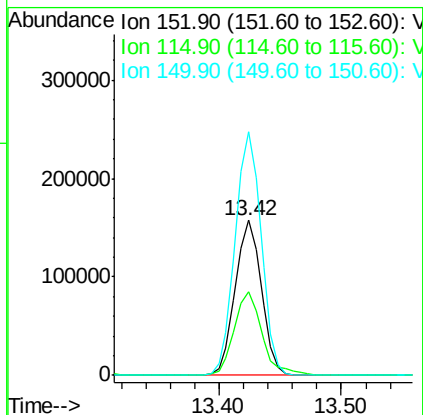
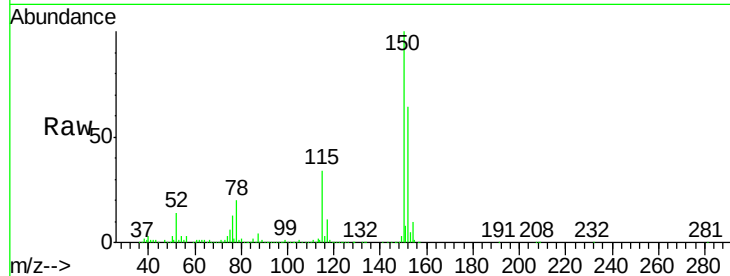
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Instrument :
MSVOA_Y
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.3	26.9	80.6
150	156.6	0.0	341.8

Manual Integrations
APPROVED

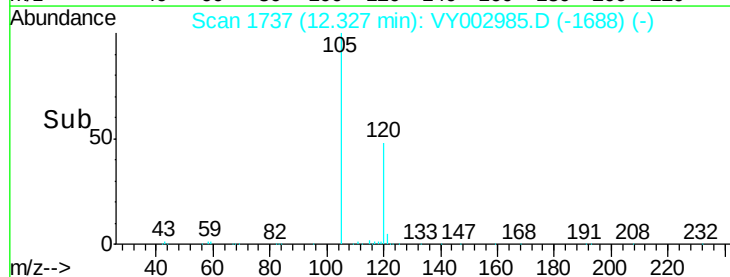
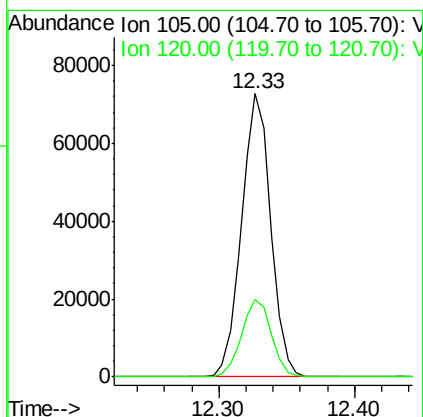
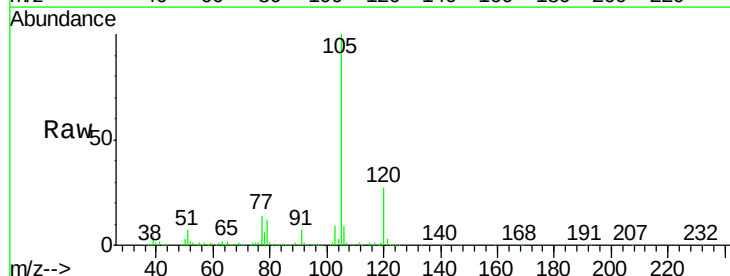
MMDadoda
6/23/2020 8:13:34 PM

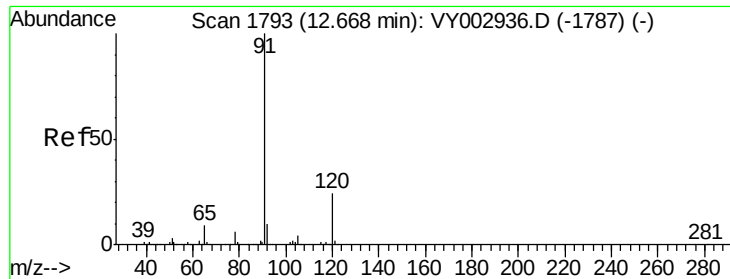


#73

Isopropylbenzene
Concen: 7.622 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	14.0	41.9





#78

n-propylbenzene

Concen: 12.798 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002985.D

Acq: 22 Jun 2020 19:44

Instrument :

MSVOA_Y

ClientSampled :

SB-4

Tot Ion: 91 Resp: 211807

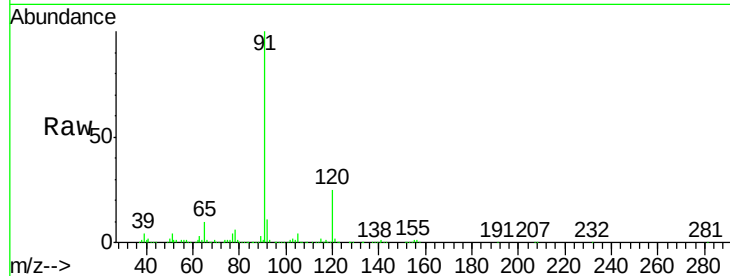
Ion Ratio Lower Upper

91 100

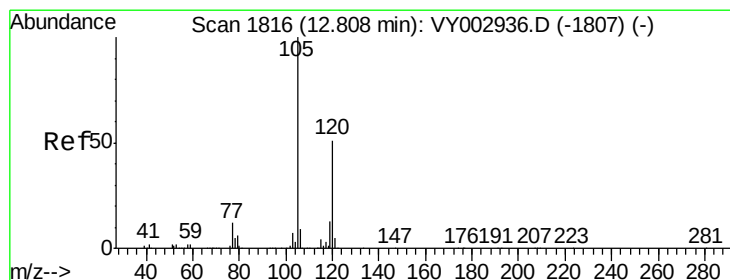
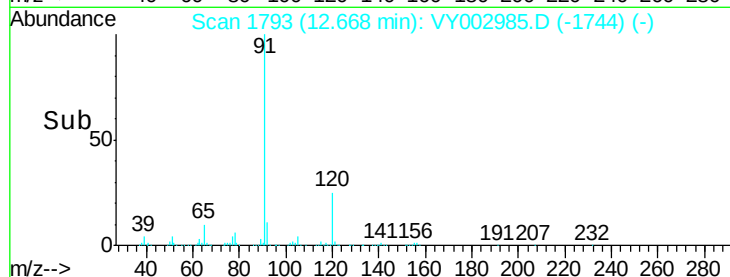
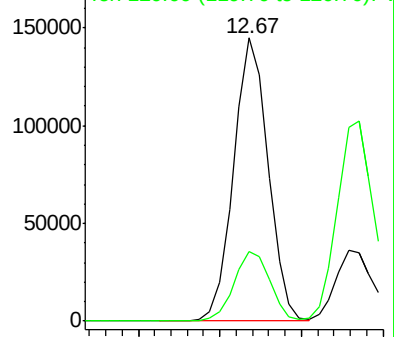
120 25.5 12.3 36.9

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY002985.D (-1744) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.153 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY002985.D

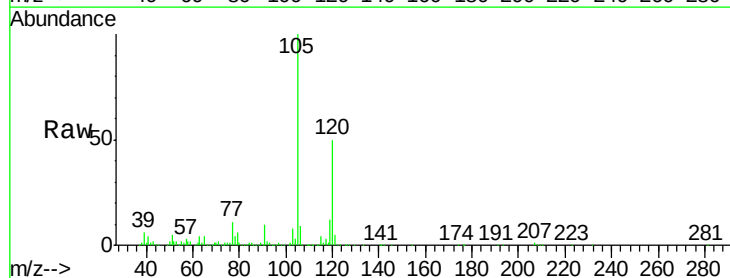
Acq: 22 Jun 2020 19:44

Tgt Ion: 105 Resp: 251548

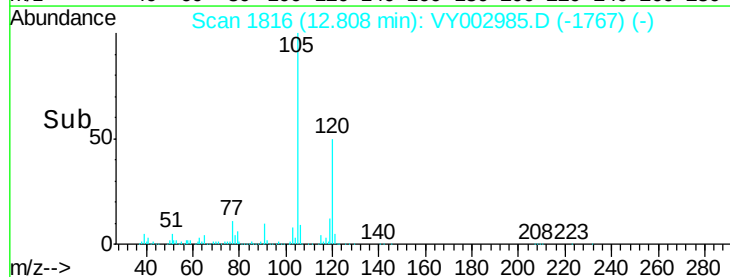
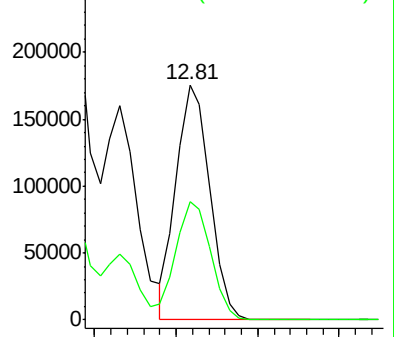
Ion Ratio Lower Upper

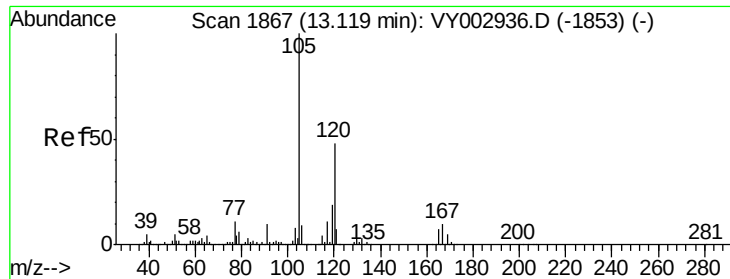
105 100

120 53.6 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VY002985.D (-1767) (-)





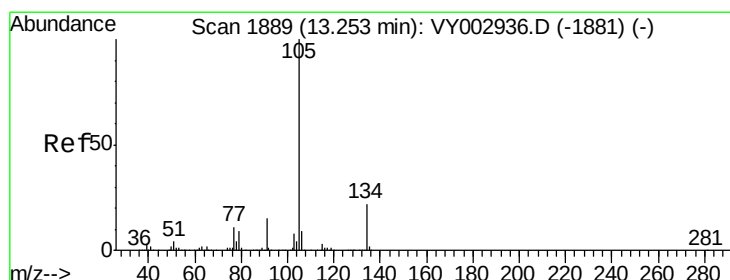
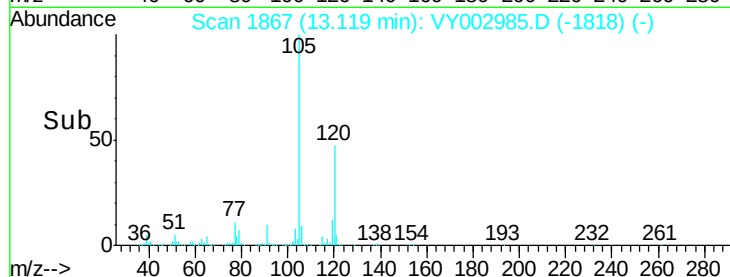
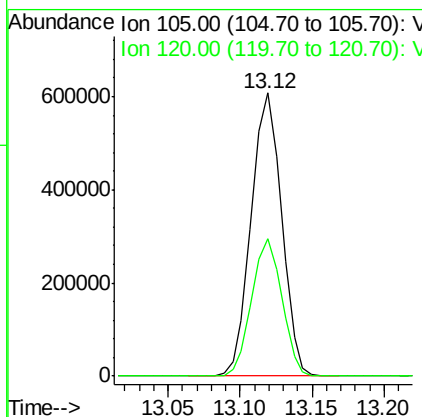
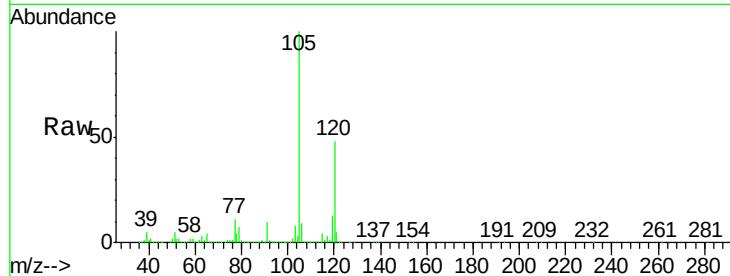
#84
1,2,4-Trimethylbenzene
Concen: 74.128 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Instrument :
MSVOA_Y
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.5	70.5

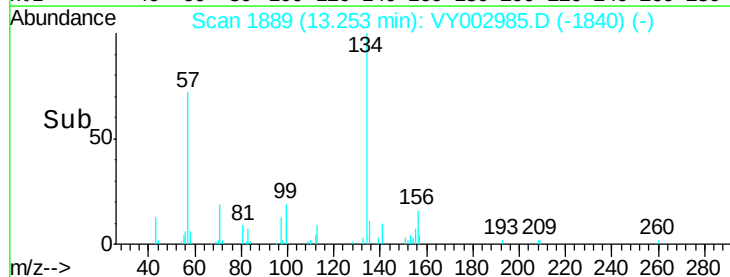
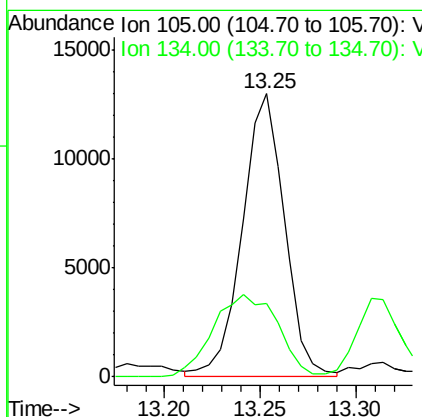
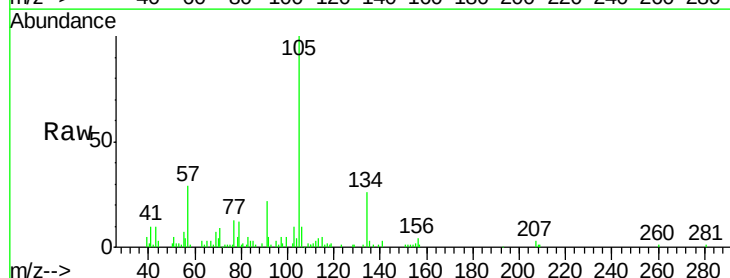
Manual Integrations
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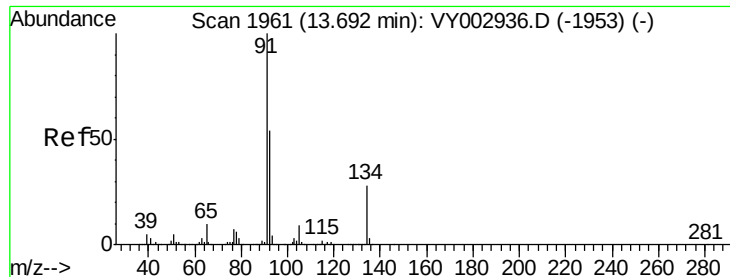
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#85
sec-Butylbenzene
Concen: 1.390 ug/l m
RT: 13.25 min Scan# 1889
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.8	32.4#





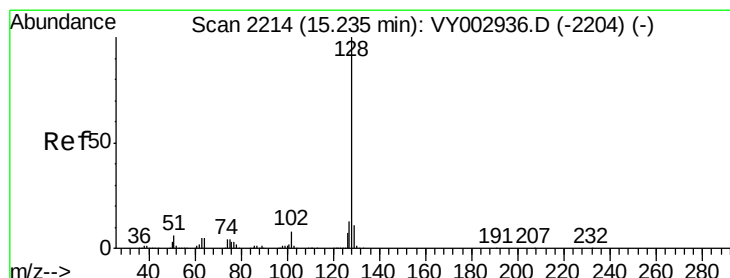
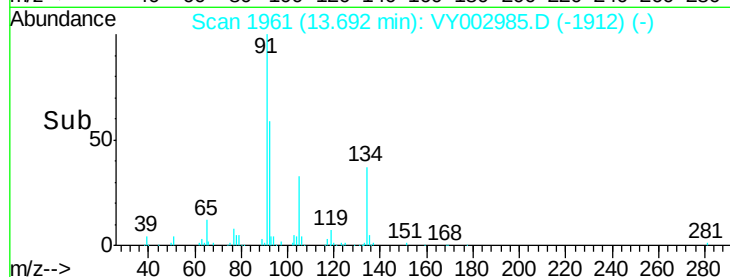
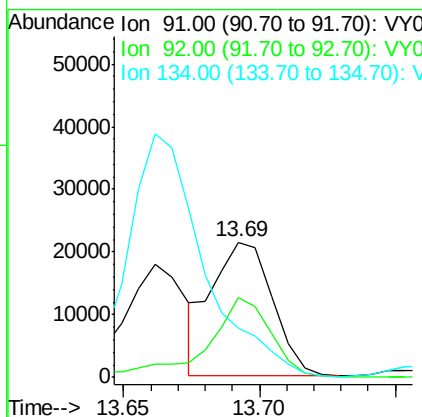
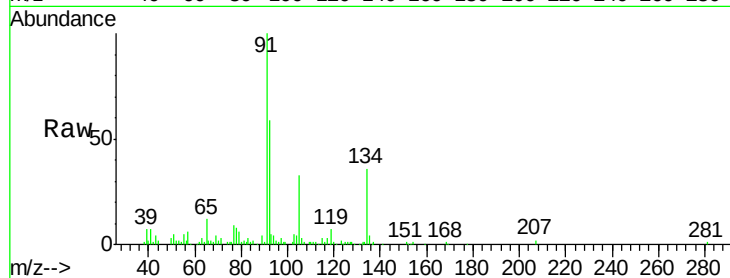
#89
n-Butylbenzene
Concen: 2.668 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

Instrument :
MSVOA_Y
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.8	27.0	80.8
134	0.0	14.5	43.5#

Manual Integrations
APPROVED

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6/23/2020 8:13:34 PM



#95
Naphthalene
Concen: 20.622 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002985.D
Acq: 22 Jun 2020 19:44

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

