

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002977.D
 Acq On : 22 Jun 2020 16:34
 Operator : SY/MD
 Sample : L3071-02
 Misc : 10.19G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TW-7A

Manual Integrations
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 6/23/2020 8:13:19 PM

Quant Time: Jun 23 09:49:29 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	7.83	168	191972	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.72	114	349363	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.51	117	345590	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.43	152	51058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	177086m	111.68	ug/l	-0.01
Spiked Amount			Recovery	=	223.36%	
35) Dibromofluoromethane	7.74	113	105037	53.14	ug/l	0.01
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	10.24	98	2851565	365.85	ug/l	0.05
Spiked Amount			Recovery	=	731.70%	
62) 4-Bromofluorobenzene	12.49	95	320762m	118.64	ug/l	0.00
Spiked Amount			Recovery	=	237.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	32437335	82594.212	ug/l #	52
17) Carbon Disulfide	4.20	76	21270	4.496	ug/l	100
30) Chloroform	7.52	83	13770399	4710.258	ug/l #	28
31) Cyclohexane	7.85	56	16392850m	6020.702	ug/l	
39) Methylcyclohexane	9.22	83	35125093	9391.354	ug/l #	89
52) Toluene	10.28	92	379993	69.507	ug/l #	73
67) Ethyl Benzene	11.59	91	42754186m	3789.004	ug/l	
68) m/p-Xylenes	11.71	106	37581887m	8571.050	ug/l	
69) o-Xylene	12.05	106	1513564	366.200	ug/l	95
73) Isopropylbenzene	12.32	105	31588049m	10094.524	ug/l	
78) n-propylbenzene	12.66	91	33051033m	9103.908	ug/l	
80) 1,3,5-Trimethylbenzene	12.75	105	61430603m	23548.653	ug/l	
83) tert-Butylbenzene	13.09	119	84587m	36.200	ug/l	
84) 1,2,4-Trimethylbenzene	13.11	105	32196539m	12265.455	ug/l	
85) sec-Butylbenzene	13.26	105	5236632	1647.486	ug/l #	46
86) p-Isopropyltoluene	13.38	119	1355407	454.610	ug/l	97
89) n-Butylbenzene	13.70	91	3510039	1302.293	ug/l #	71
95) Naphthalene	15.23	128	1721112	818.763	ug/l	100

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

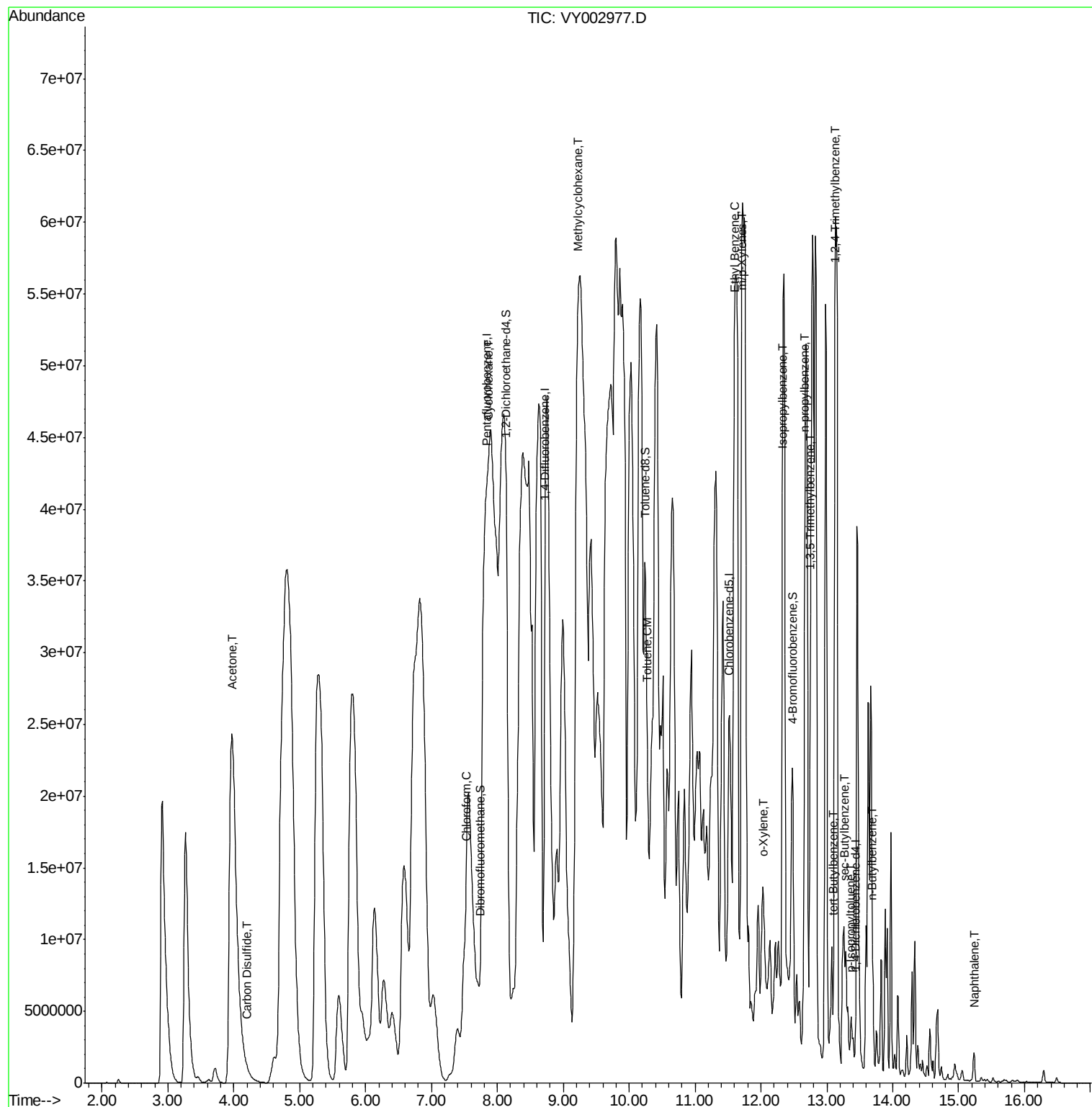
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002977.D
Acq On : 22 Jun 2020 16:34
Operator : SY/MD
Sample : L3071-02
Misc : 10.19G/5ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

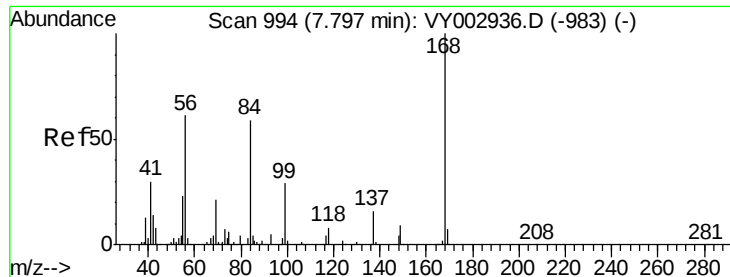
Instrument :
MSVOA_Y
ClientSampleId :
TW-7A

Manual Integrations
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Quant Time: Jun 23 09:49:29 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

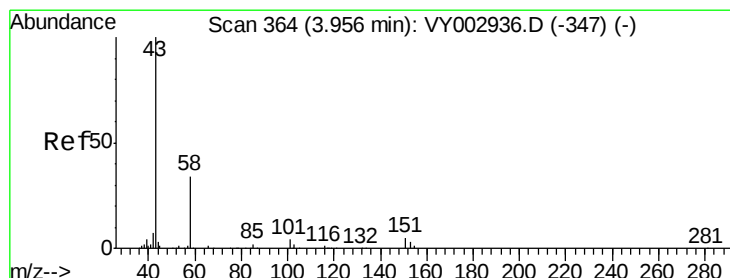
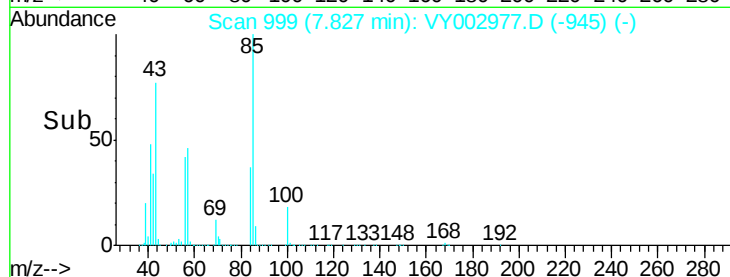
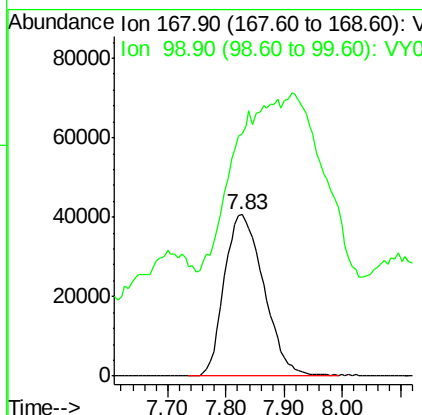
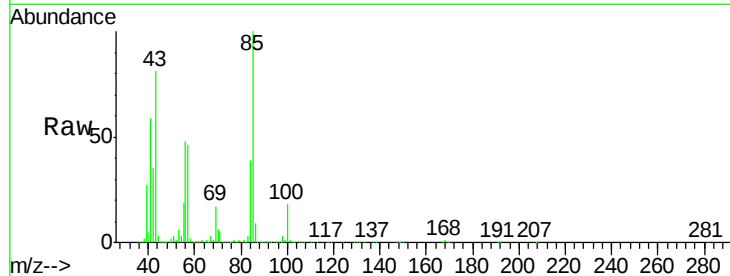
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. 0.03 min
 Lab File: VY002977.D
 Acq: 22 Jun 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 TW-7A

Tot Ion	Ratio	Lower	Upper
168	100		
99	82.0	39.5	59.3#

Manual Integrations
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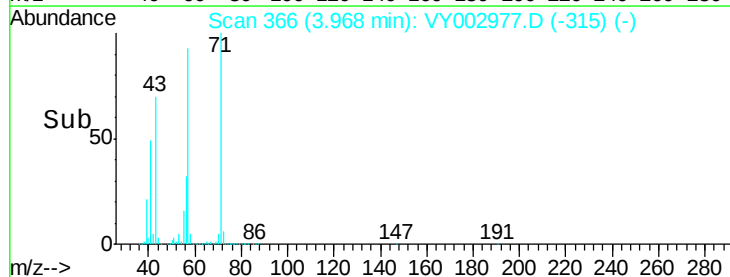
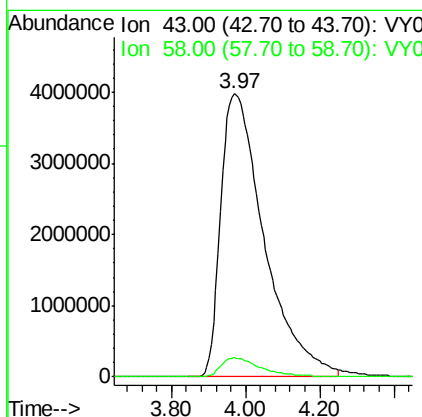
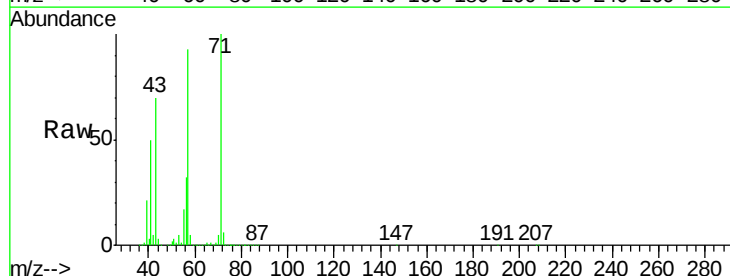
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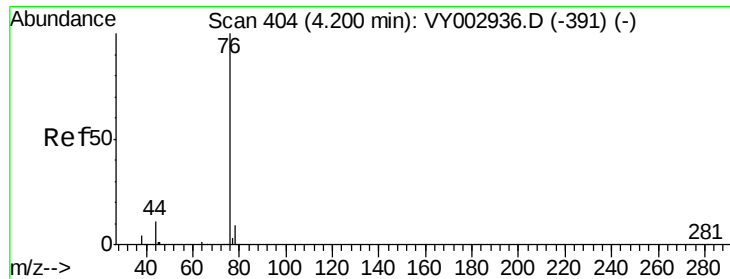


#16

Acetone
 Concen: 82594.212 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY002977.D
 Acq: 22 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	6.8	27.3	40.9#





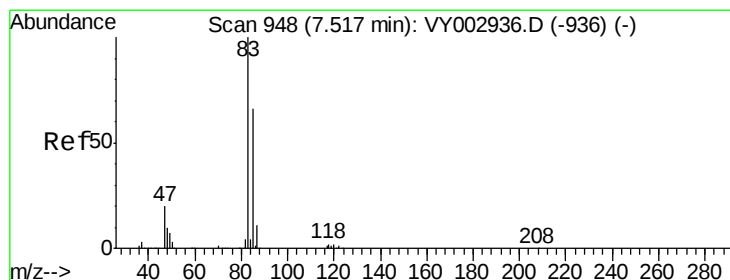
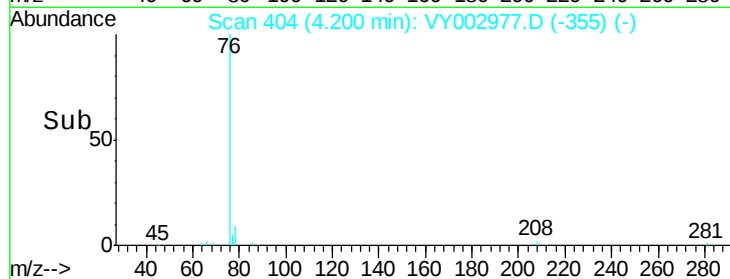
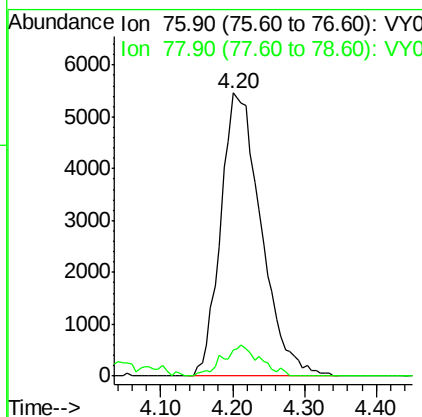
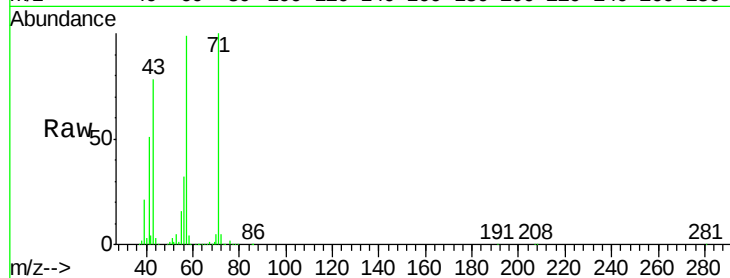
#17
Carbon Disulfide
Concen: 4.496 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
TW-7A

Tot Ion: 76 Resp: 21270
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

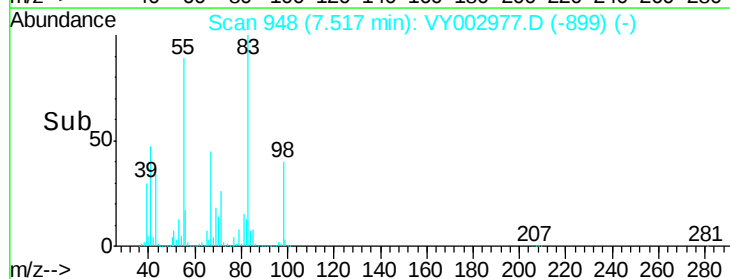
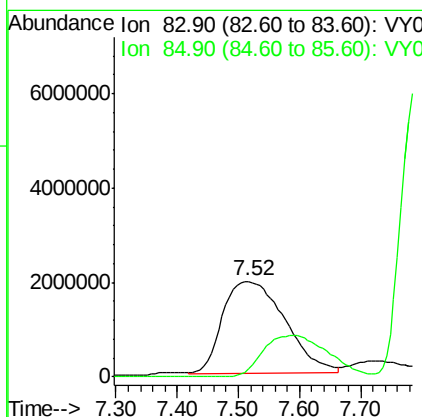
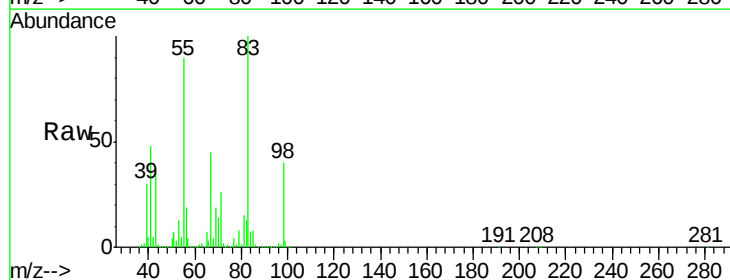
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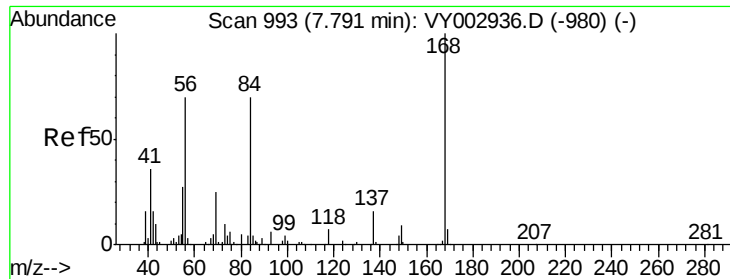
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#30
Chloroform
Concen: 4710.258 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Tgt Ion: 83 Resp: 13770399
Ion Ratio Lower Upper
83 100
85 8.8 53.1 79.7#





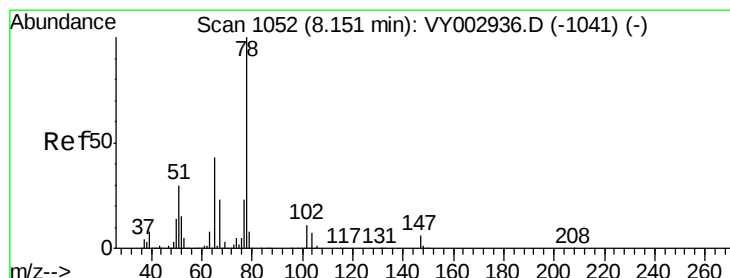
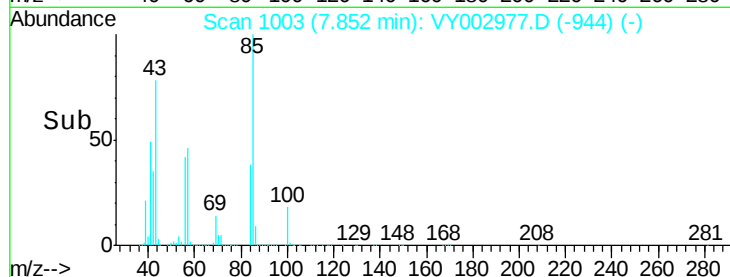
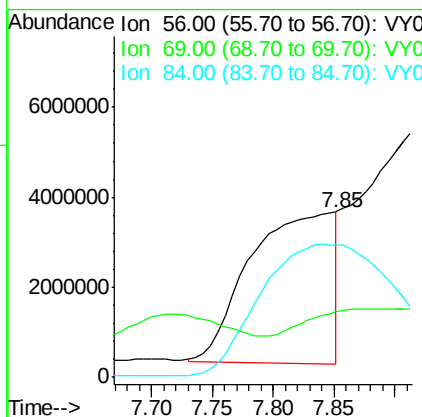
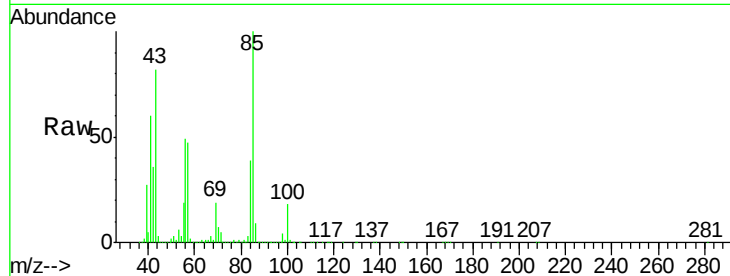
#31
Cvclohexane
Concen: 6020.702 ug/l m
RT: 7.85 min Scan# 1003
Delta R.T. 0.06 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Instrument :
MSVOA_Y
ClientSampled :
TW-7A

Tot Ion: 56 Resp:16392850
Ion Ratio Lower Upper
56 100
69 39.6 28.9 43.3
84 80.4 80.1 120.1

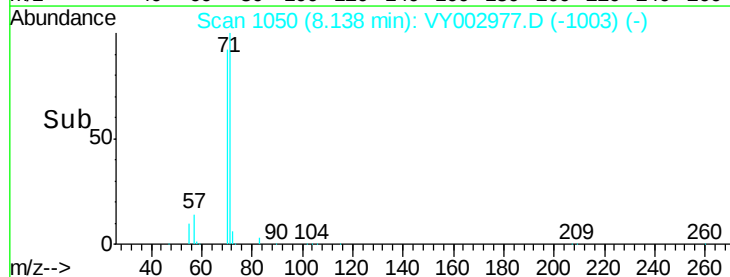
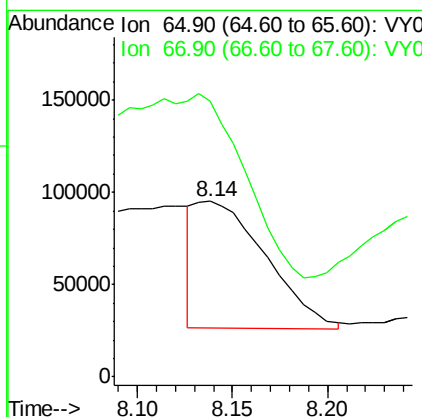
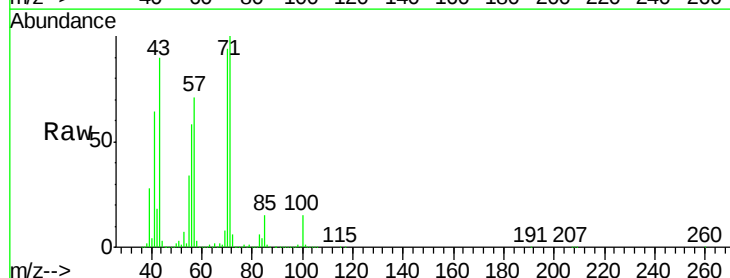
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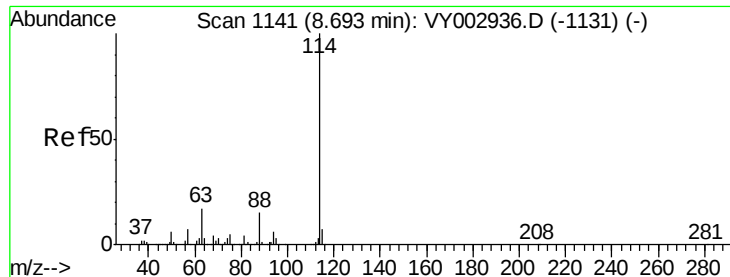
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#33
1,2-Dichloroethane-d4
Concen: 111.680 ug/l m
RT: 8.14 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Tgt Ion: 65 Resp: 177086
Ion Ratio Lower Upper
65 100
67 1875.6 0.0 109.4#





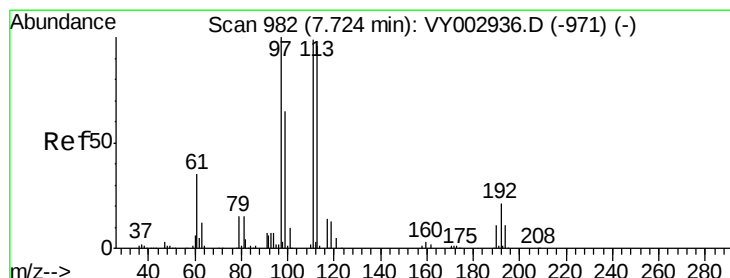
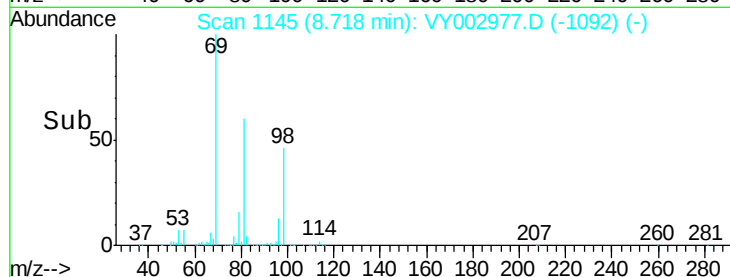
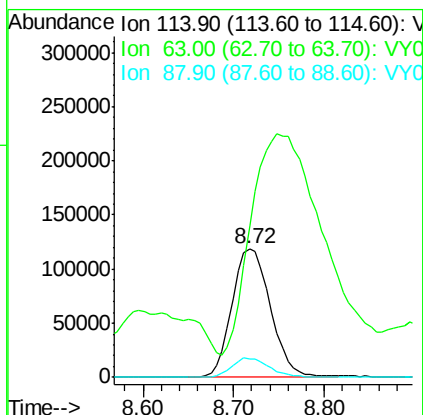
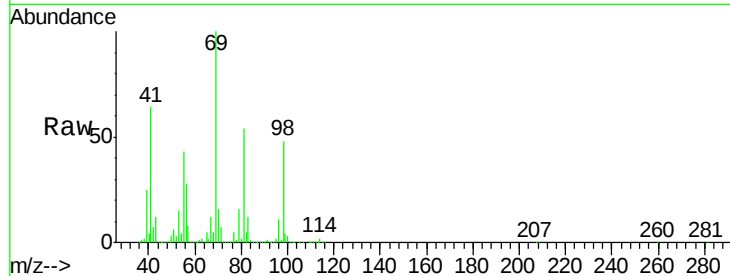
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.02 min
 Lab File: VY002977.D
 Acq: 22 Jun 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 TW-7A

Tot Ion	Ratio	Resp	Lower	Upper
114	100	349363		
63	72.3	0.0	34.6#	
88	14.6	0.0	29.2	

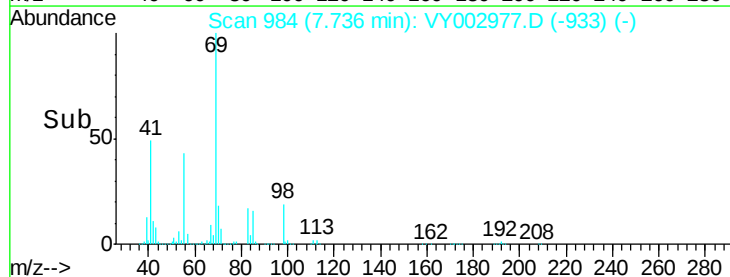
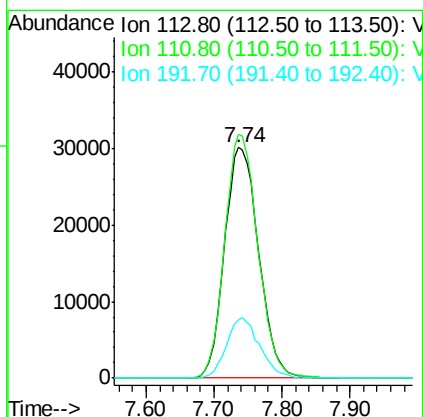
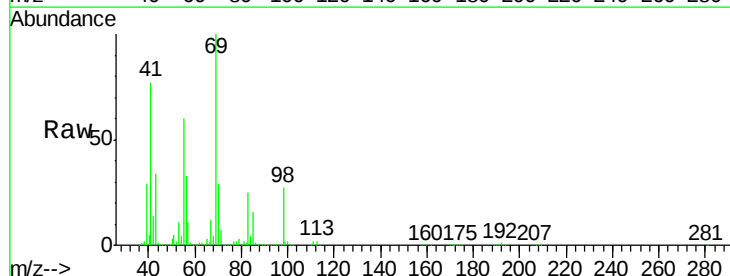
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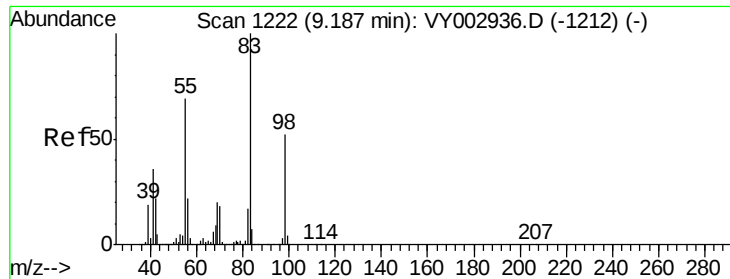
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#35
 Dibromofluoromethane
 Concen: 53.135 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY002977.D
 Acq: 22 Jun 2020 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	105037		
111	102.7	81.5	122.3	
192	25.2	19.2	28.8	





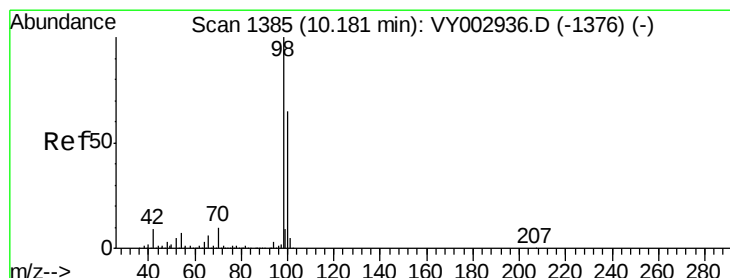
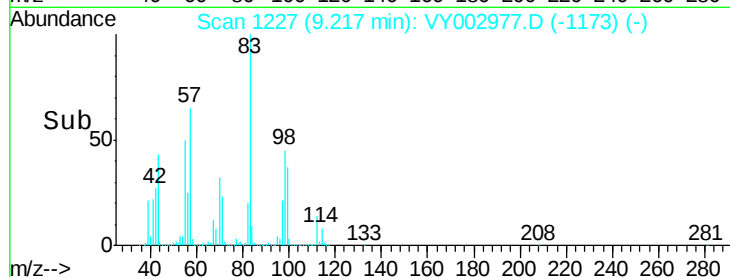
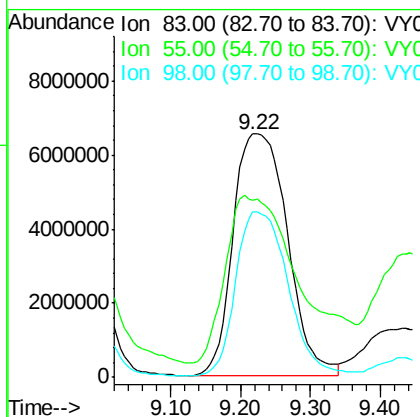
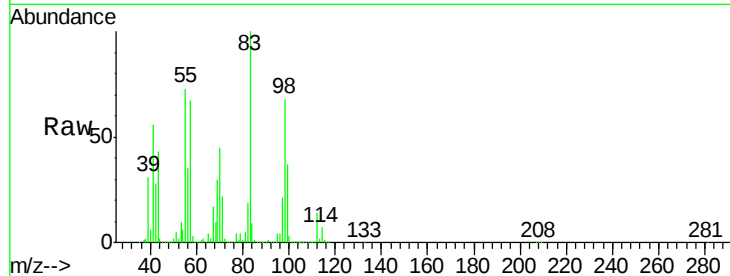
#39
Methvlcvclohexane
Concen: 9391.354 ug/l
RT: 9.22 min Scan# 1227
Delta R.T. 0.03 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
TW-7A

Tot Ion: 83 Resp:35125093
Ion Ratio Lower Upper
83 100
55 67.6 55.0 82.4
98 68.0 41.4 62.2#

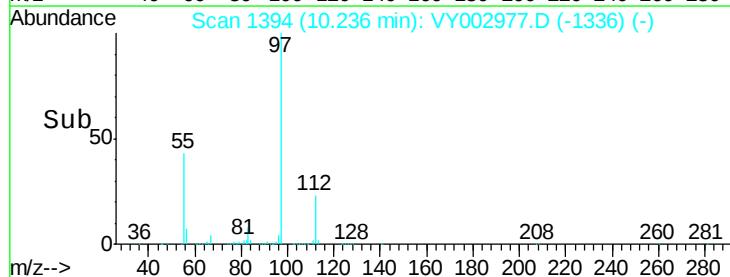
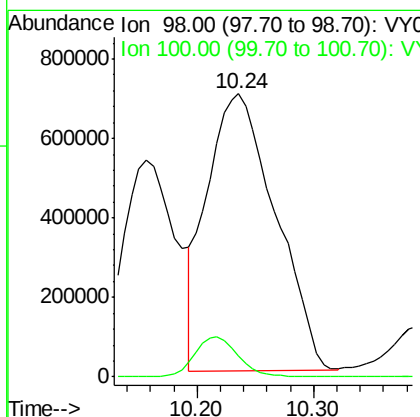
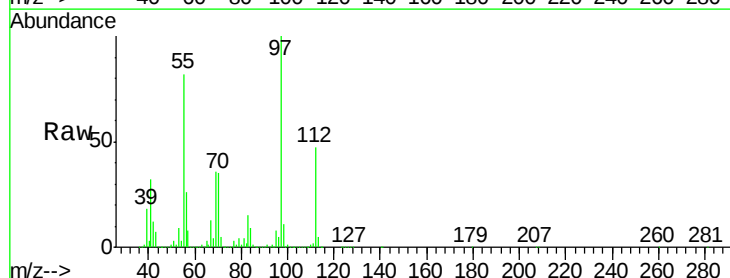
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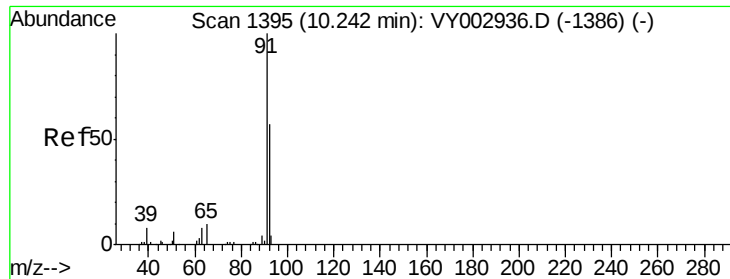
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#50
Toluene-d8
Concen: 365.852 ug/l
RT: 10.24 min Scan# 1394
Delta R.T. 0.05 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Tgt Ion: 98 Resp: 2851565
Ion Ratio Lower Upper
98 100
100 9.1 51.9 77.9#





#52

Toluene

Concen: 69.507 ug/l

RT: 10.28 min Scan# 1401

Delta R.T. 0.04 min

Lab File: VY002977.D

Acq: 22 Jun 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

TW-7A

Tot Ion: 92 Resp: 379993

Ion Ratio Lower Upper

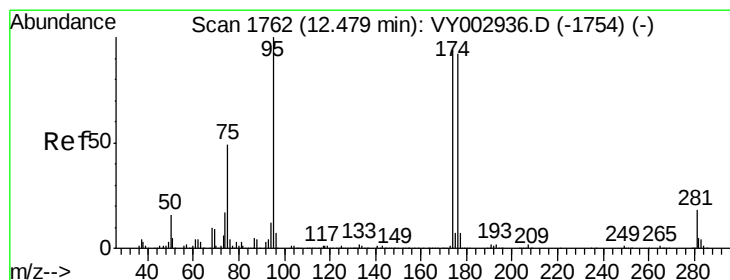
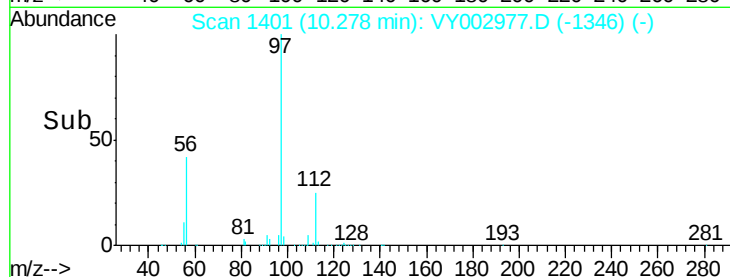
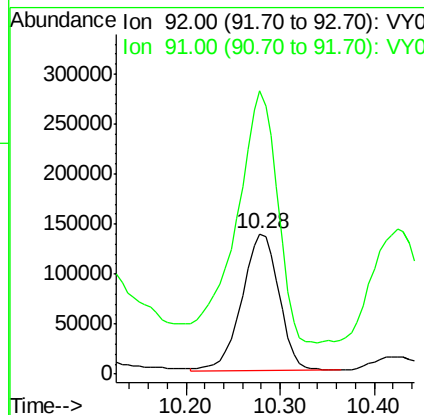
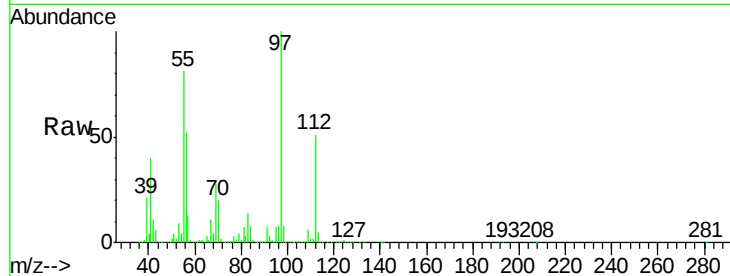
92 100

91 211.0 139.3 208.9#

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 118.639 ug/l m

RT: 12.49 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VY002977.D

Acq: 22 Jun 2020 16:34

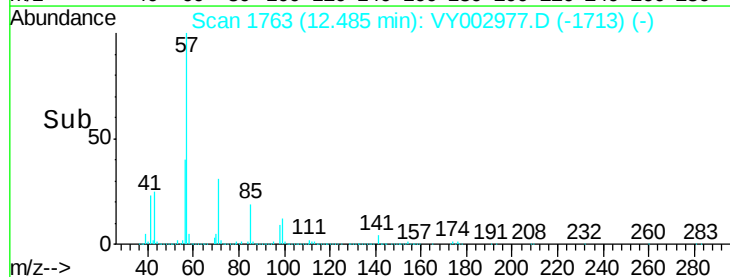
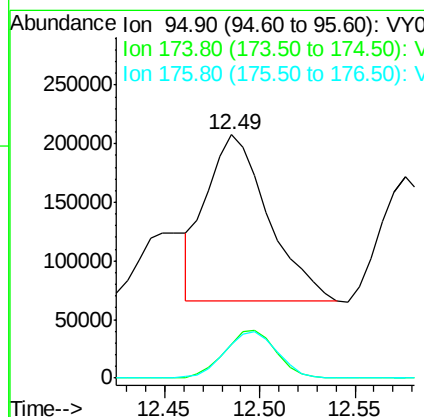
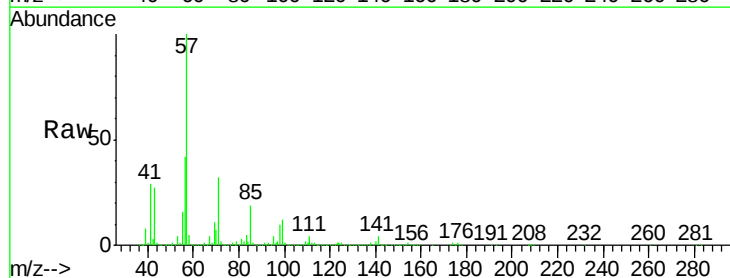
Tgt Ion: 95 Resp: 320762

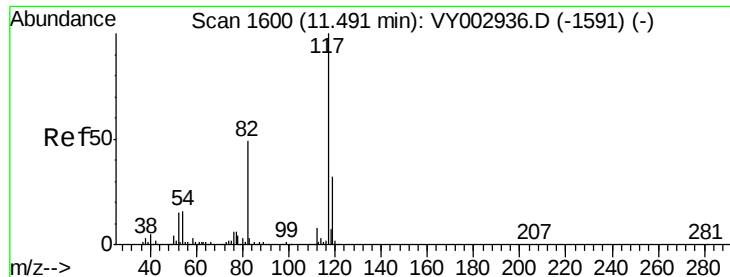
Ion Ratio Lower Upper

95 100

174 24.1 0.0 191.2

176 23.6 0.0 186.0





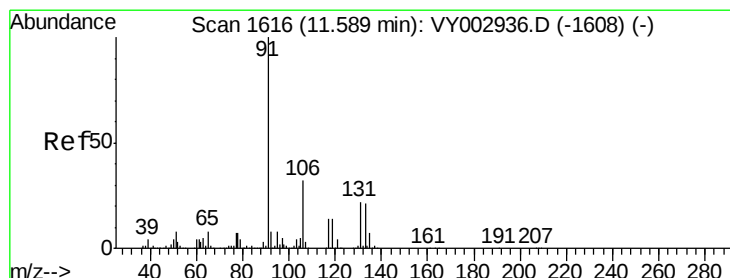
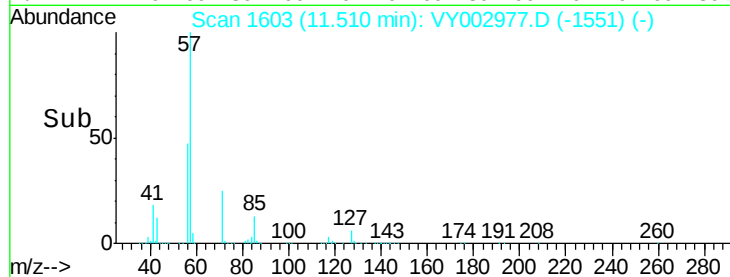
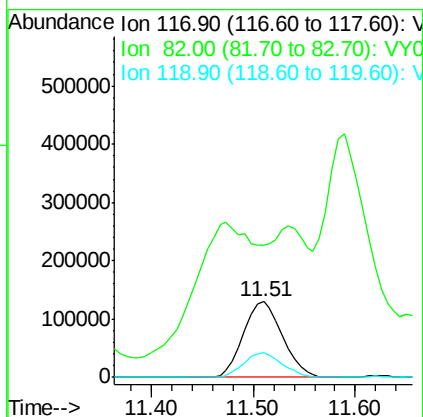
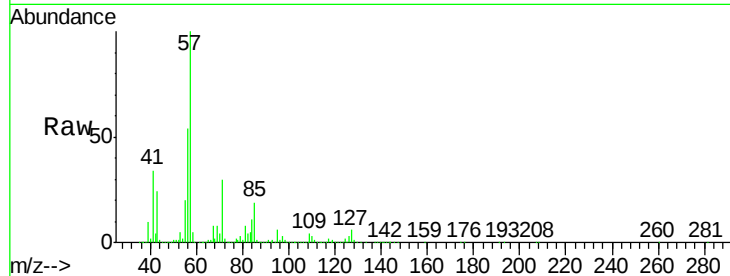
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Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.02 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
TW-7A

Tot Ion	Ratio	Lower	Upper
117	100		
82	76.0	39.4	59.0#
119	31.8	25.4	38.0

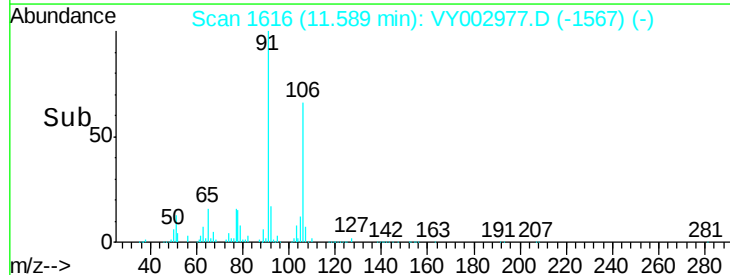
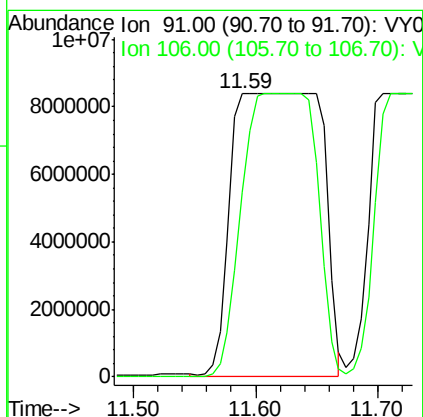
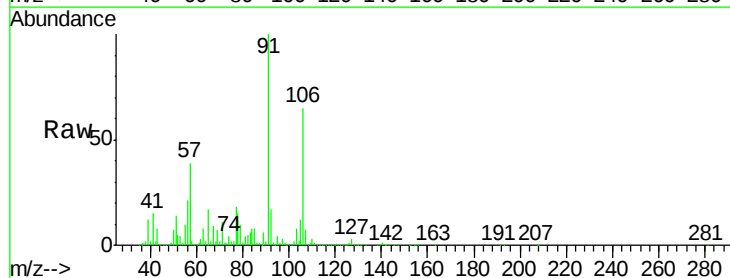
Manual Integrations
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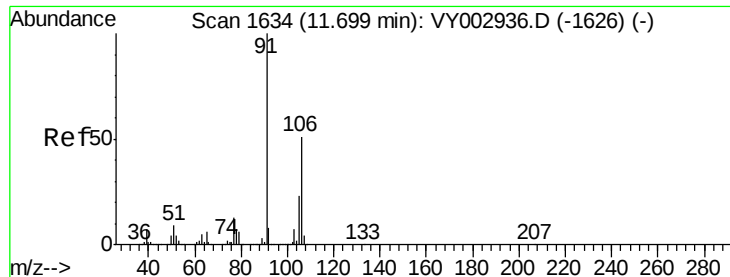
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#67
Ethyl Benzene
Concen: 3789.004 ug/l m
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	65.2	25.8	38.8#





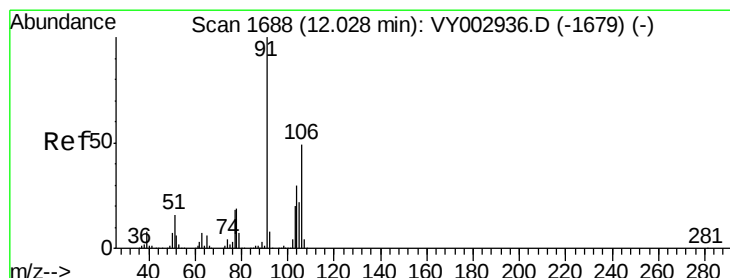
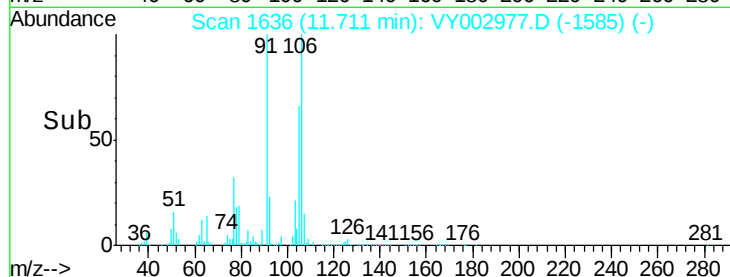
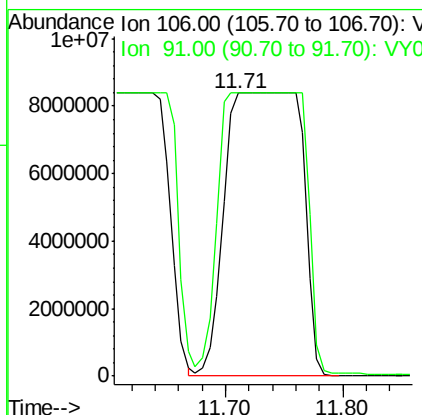
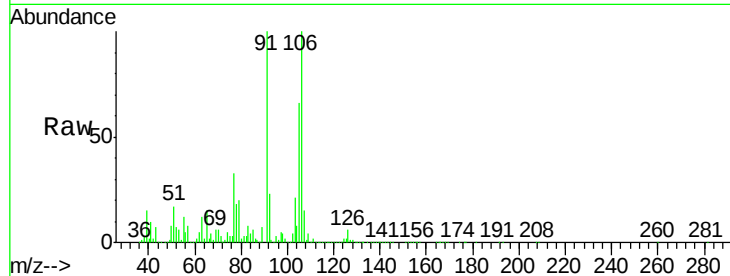
#68
m/p-Xvlenes
Concen: 8571.050 ug/l m
RT: 11.71 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
TW-7A

Tot Ion:106 Resp:37581887
Ion Ratio Lower Upper
106 100
91 10.4 155.9 233.9#

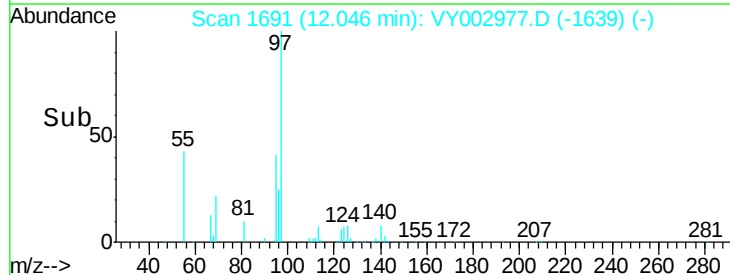
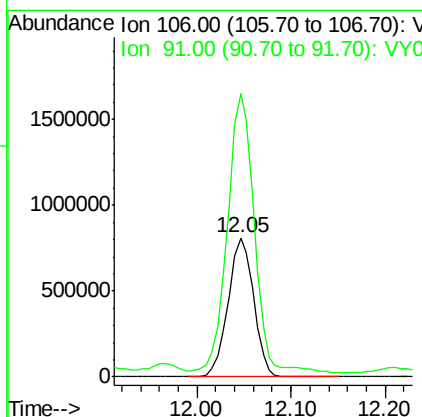
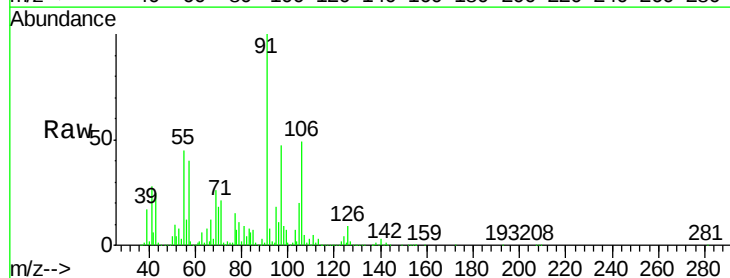
Manual Integrations
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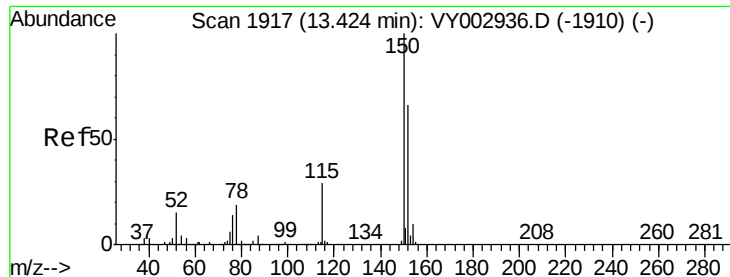
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#69
o-Xylene
Concen: 366.200 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.02 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Tgt Ion:106 Resp: 1513564
Ion Ratio Lower Upper
106 100
91 211.6 102.1 306.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VY002977.D

Acq: 22 Jun 2020 16:34

Instrument :

MSVOA_Y

ClientSampled :

TW-7A

Tot Ion:152 Resp: 51058

Ion Ratio Lower Upper

152 100

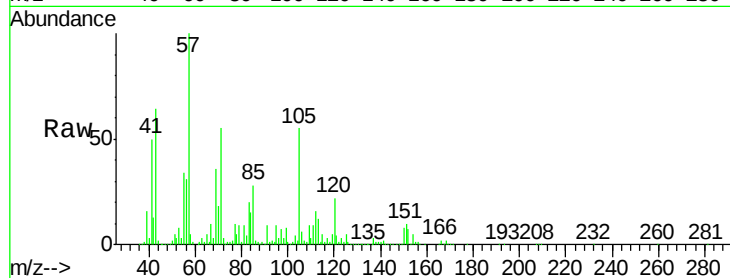
115 0.0 26.9 80.6#

150 76.5 0.0 341.8

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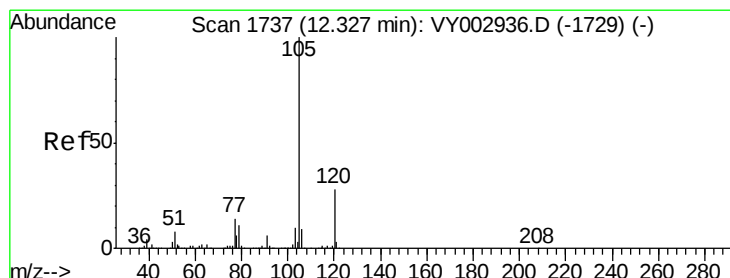
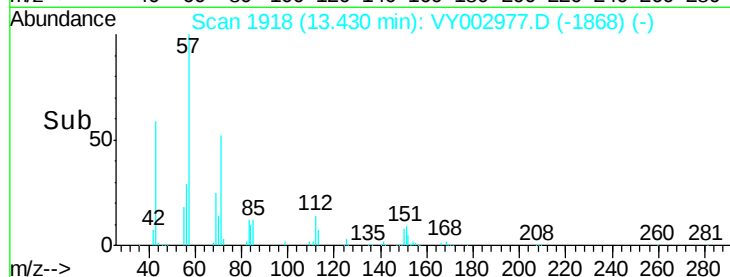
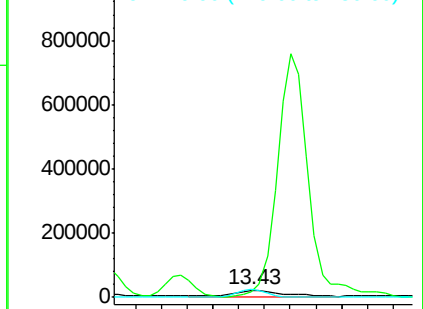
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 10094.524 ug/l m

RT: 12.32 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VY002977.D

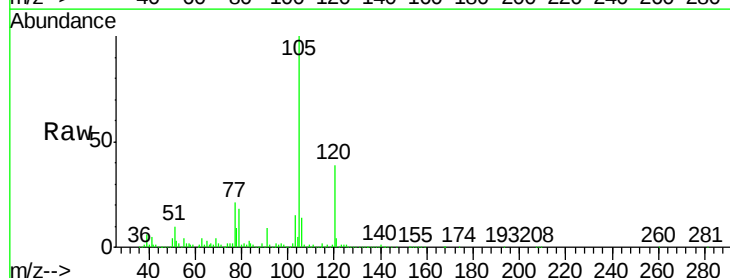
Acq: 22 Jun 2020 16:34

Tgt Ion:105 Resp:31588049

Ion Ratio Lower Upper

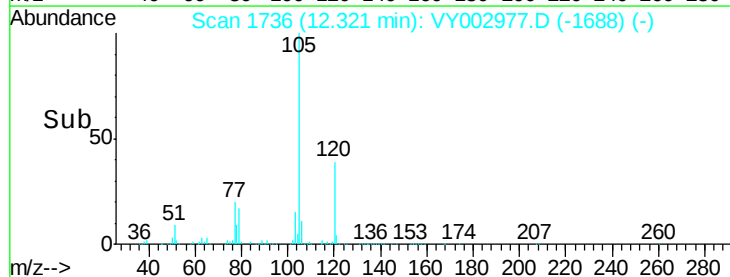
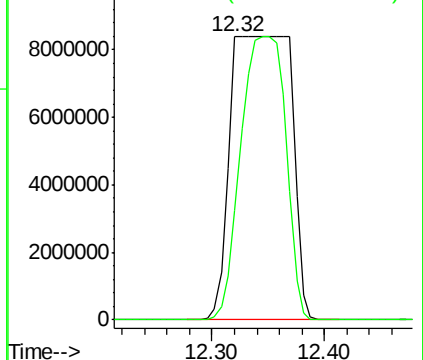
105 100

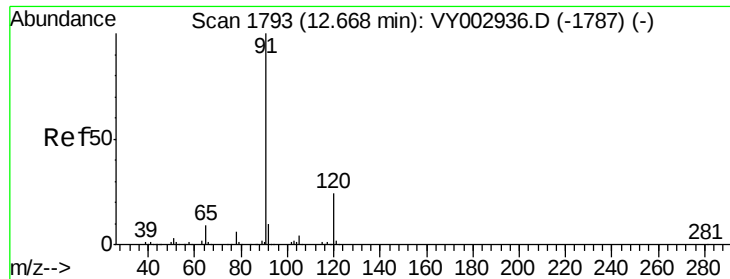
120 0.0 14.0 41.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 9103.908 ug/l m

RT: 12.66 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VY002977.D

Acq: 22 Jun 2020 16:34

Instrument :

MSVOA_Y

ClientSampled :

TW-7A

Tot Ion: 91 Resp:33051033

Ion Ratio Lower Upper

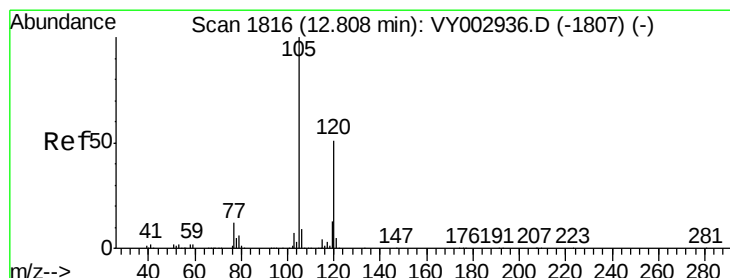
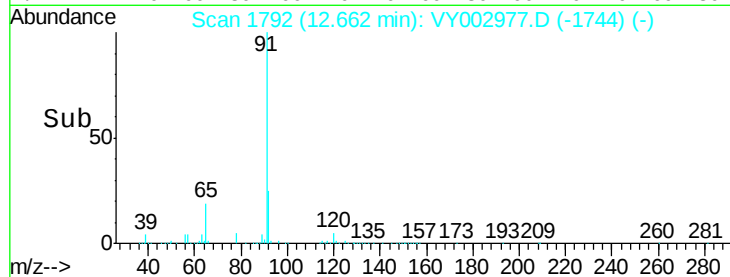
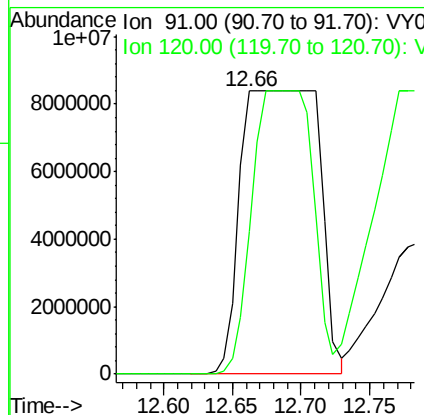
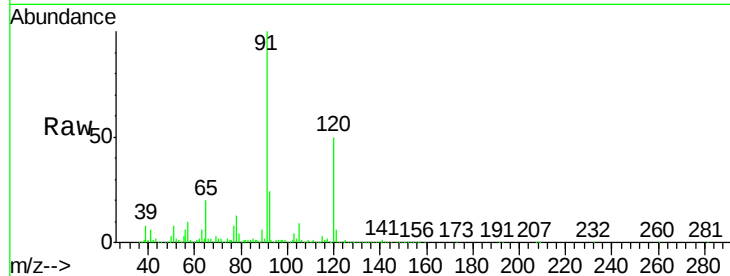
91 100

120 7.8 12.3 36.9#

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#80

1,3,5-Trimethylbenzene

Concen: 23548.653 ug/l m

RT: 12.75 min Scan# 1806

Delta R.T. -0.06 min

Lab File: VY002977.D

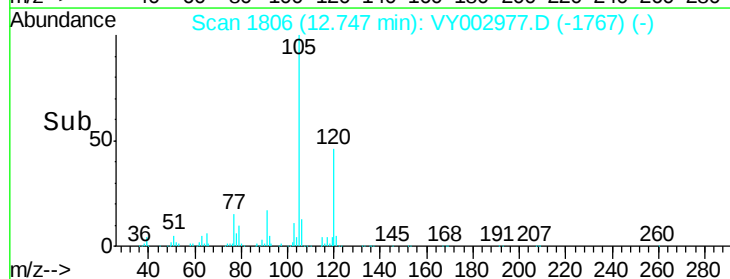
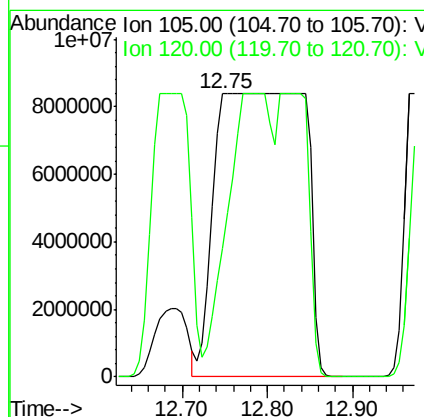
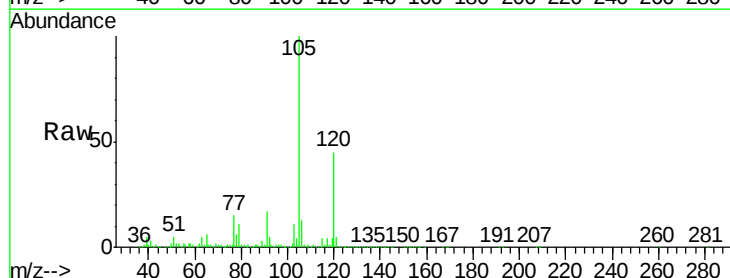
Acq: 22 Jun 2020 16:34

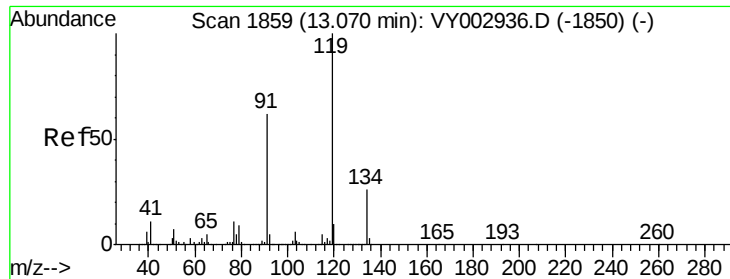
Tgt Ion:105 Resp:61430603

Ion Ratio Lower Upper

105 100

120 0.0 25.6 76.6#





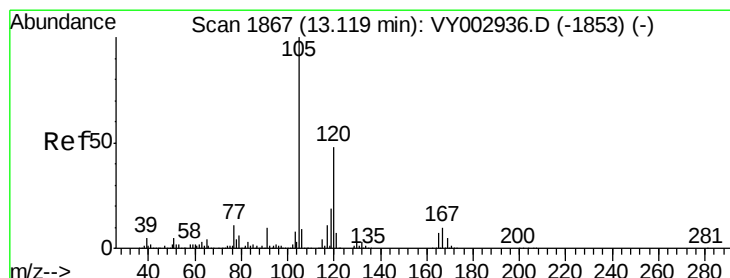
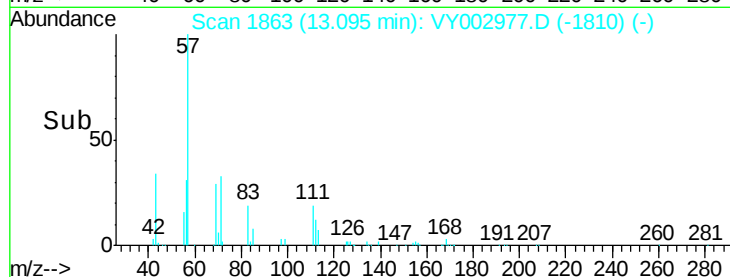
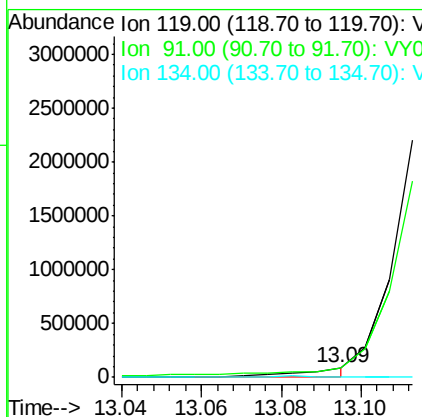
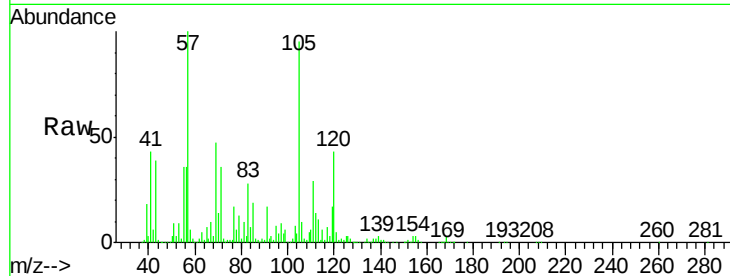
#83
tert-Butylbenzene
Concen: 36.200 ug/l m
RT: 13.09 min Scan# 1863
Delta R.T. 0.02 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
TW-7A

Tot Ion:119 Resp: 84587
Ion Ratio Lower Upper
119 100
91 11527.0 29.9 89.
134 0.0 13.3 39.8#

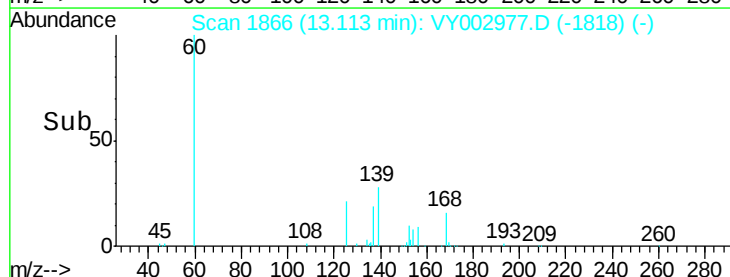
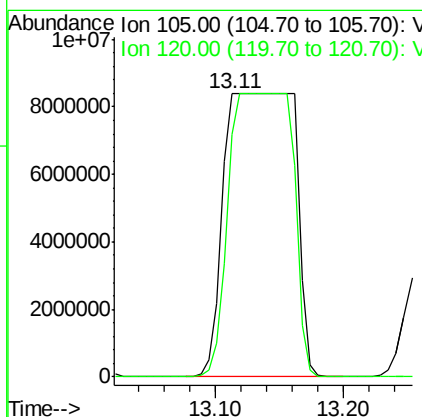
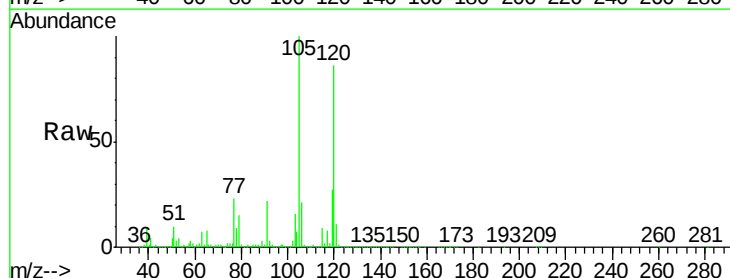
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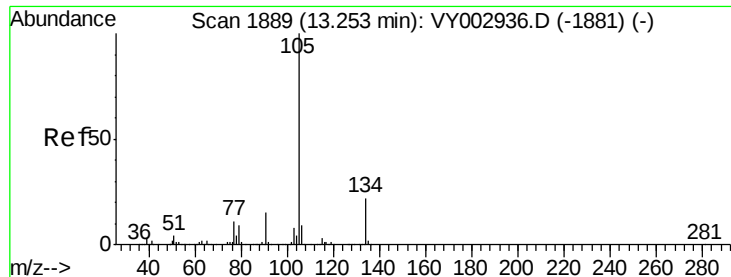
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#84
1,2,4-Trimethylbenzene
Concen: 12265.455 ug/l m
RT: 13.11 min Scan# 1866
Delta R.T. -0.01 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Tgt Ion:105 Resp:32196539
Ion Ratio Lower Upper
105 100
120 0.0 23.5 70.5#





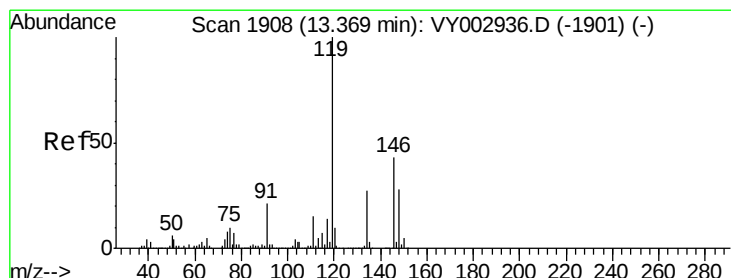
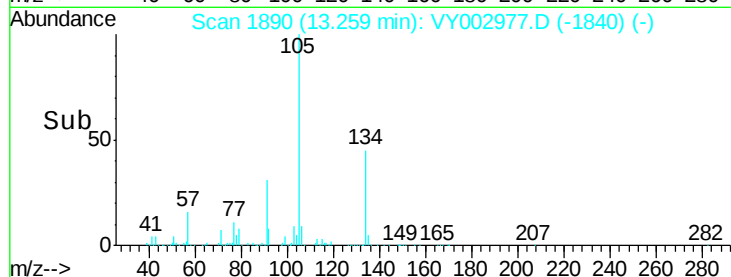
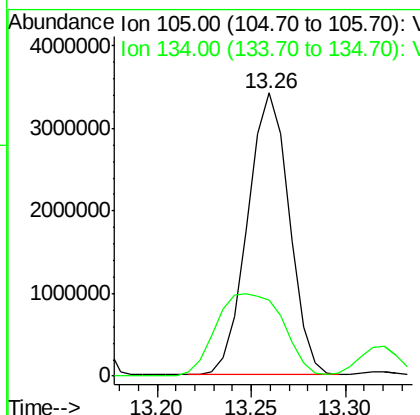
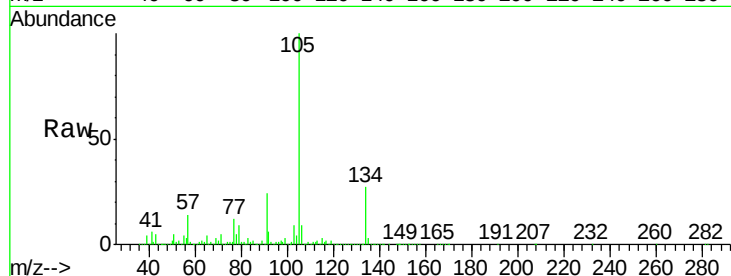
#85
 sec-Butylbenzene
 Concen: 1647.486 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.01 min
 Lab File: VY002977.D
 Acq: 22 Jun 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampled :
 TW-7A

Tot Ion:105 Resp: 5236632
 Ion Ratio Lower Upper
 105 100
 134 47.3 10.8 32.4#

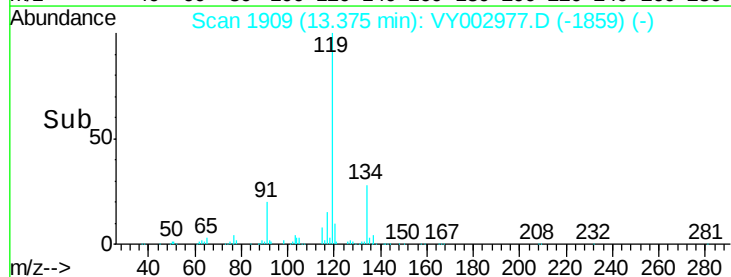
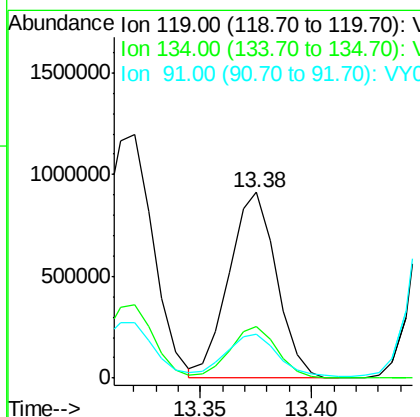
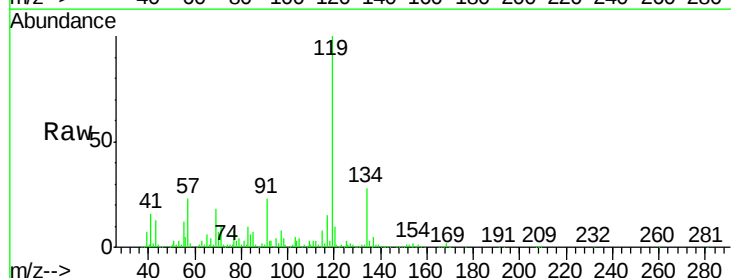
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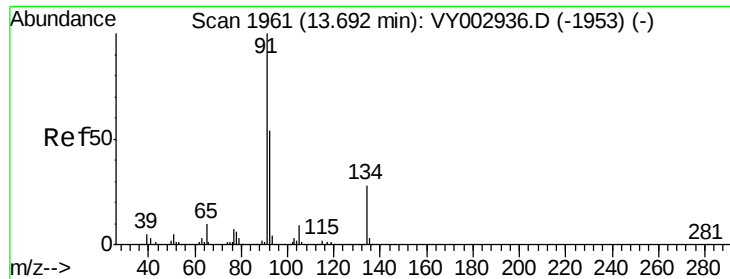
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#86
 p-Isopropyltoluene
 Concen: 454.610 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VY002977.D
 Acq: 22 Jun 2020 16:34

Tgt Ion:119 Resp: 1355407
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.6 40.8
 91 23.7 10.8 32.4





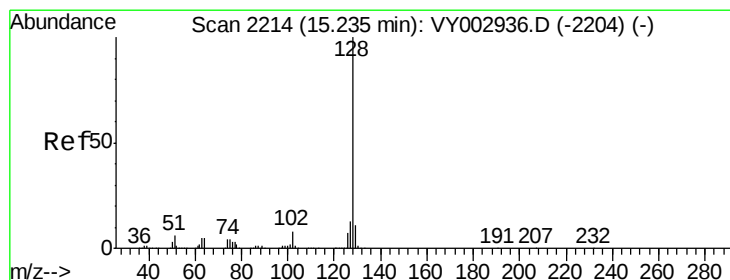
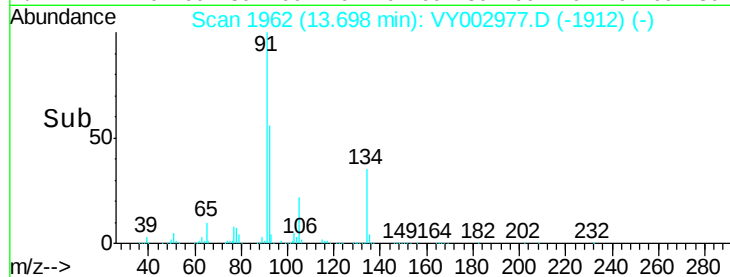
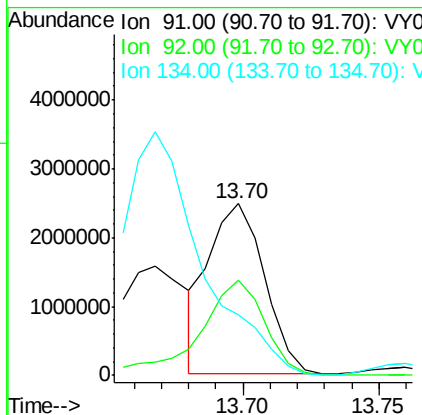
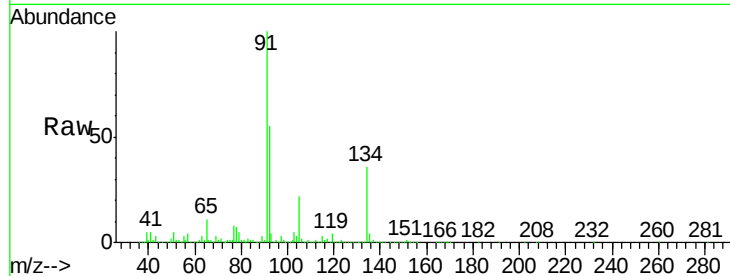
#89
n-Butylbenzene
Concen: 1302.293 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
TW-7A

Tot Ion: 91 Resp: 3510039
Ion Ratio Lower Upper
91 100
92 64.6 27.0 80.8
134 0.0 14.5 43.5#

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#95
Naphthalene
Concen: 818.763 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002977.D
Acq: 22 Jun 2020 16:34

Tgt Ion: 128 Resp: 1721112
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.0 8.7 13.1

