

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002976.D
 Acq On : 22 Jun 2020 16:10
 Operator : SY/MD
 Sample : L3071-01
 Misc : 7.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TW-7.5

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 8:13:17 PM

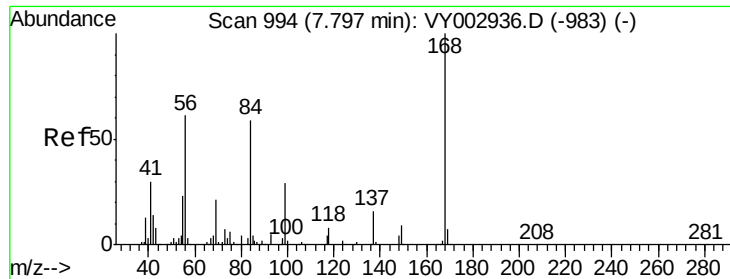
Quant Time: Jun 23 09:49:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 20 06:39:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	166499	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	323955	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.51	117	287038	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.43	152	92407	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	370273m	269.24	ug/l	0.00
Spiked Amount			Recovery	=	538.48%	
35) Dibromofluoromethane	7.74	113	91456	49.89	ug/l	0.01
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	10.25	98	3185203	440.71	ug/l	0.07
Spiked Amount			Recovery	=	881.42%	
62) 4-Bromofluorobenzene	12.49	95	339298m	135.34	ug/l	0.00
Spiked Amount			Recovery	=	270.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	1339	1.111	ug/l	92
16) Acetone	3.99	43	20668864	60680.244	ug/l #	51
17) Carbon Disulfide	4.21	76	48995	11.942	ug/l	98
30) Chloroform	7.52	83	6134410m	2419.342	ug/l	
31) Cyclohexane	7.84	56	11526900m	4881.255	ug/l	
39) Methylcyclohexane	9.21	83	15415195	4444.798	ug/l #	82
51) 4-Methyl-2-Pentanone	10.20	43	9989434	6929.336	ug/l	96
61) 1,2-Dibromoethane	11.10	107	76649	46.063	ug/l #	1
67) Ethyl Benzene	11.62	91	8607339	918.411	ug/l	94
68) m/p-Xylenes	11.73	106	6866774	1885.515	ug/l	89
73) Isopropylbenzene	12.35	105	16043356	2832.808	ug/l	90
78) n-propylbenzene	12.67	91	19002570	2892.105	ug/l #	75
80) 1,3,5-Trimethylbenzene	12.82	105	14014830	2968.438	ug/l	80
83) tert-Butylbenzene	13.09	119	48734m	11.524	ug/l	
84) 1,2,4-Trimethylbenzene	13.11	105	23428144m	4931.412	ug/l	
85) sec-Butylbenzene	13.25	105	3793117	659.364	ug/l #	35
86) p-Isopropyltoluene	13.37	119	920037	170.504	ug/l	95
89) n-Butylbenzene	13.70	91	2497656	512.022	ug/l #	70
95) Naphthalene	15.23	128	157707	41.453	ug/l #	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.02 min

Lab File: VY002976.D

Acq: 22 Jun 2020 16:10

Instrument :

MSVOA_Y

ClientSampled :

TW-7.5

Tot Ion:168 Resp: 166499

Ion Ratio Lower Upper

168 100

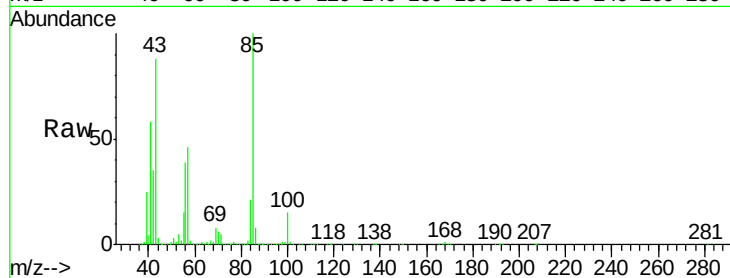
99 102.3 39.5 59.3#

Manual Integrations

APPROVED

MMDadoda

6/23/2020 8:13:17 PM

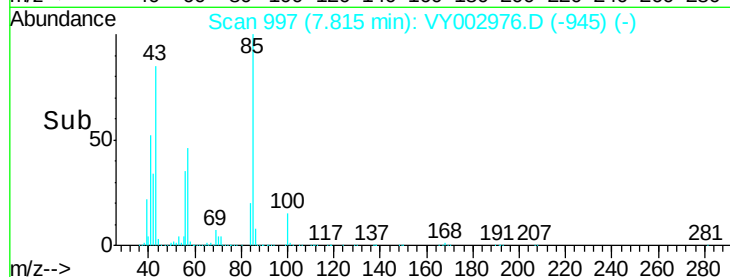


Abundance Ion 167.90 (167.60 to 168.60): VY002936.D (-983) (-)

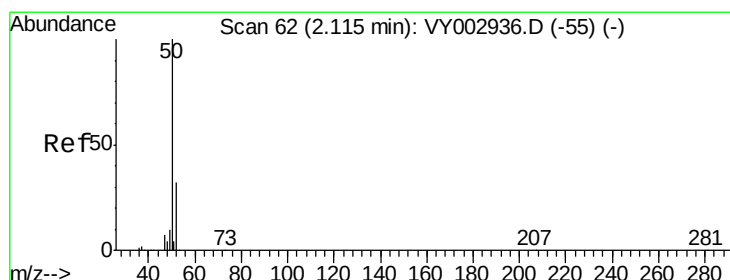
Ion 98.90 (98.60 to 99.60): VY002936.D (-983) (-)

7.82

Time-->



Time-->



#3

Chloromethane

Concen: 1.111 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY002976.D

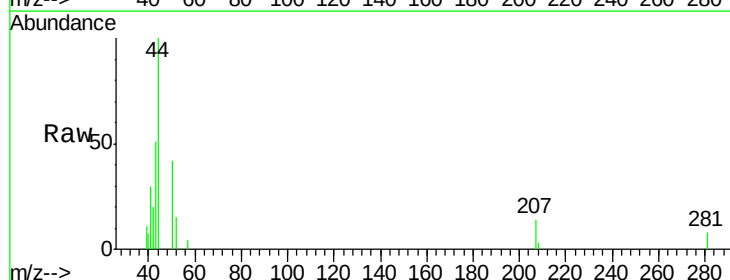
Acq: 22 Jun 2020 16:10

Tgt Ion: 50 Resp: 1339

Ion Ratio Lower Upper

50 100

52 36.8 25.8 38.6

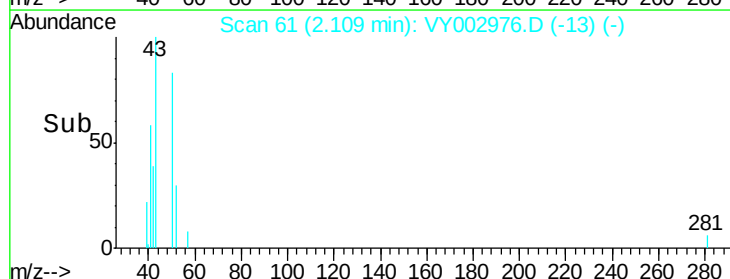


Abundance Ion 49.90 (49.60 to 50.60): VY002936.D (-55) (-)

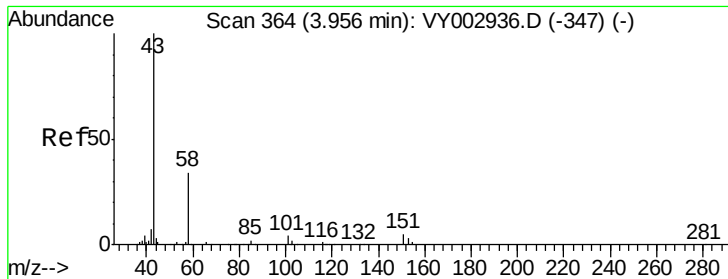
Ion 51.90 (51.60 to 52.60): VY002936.D (-55) (-)

2.11

Time-->



Time-->



#16

Acetone

Concen: 60680.244 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.03 min

Lab File: VY002976.D

Acq: 22 Jun 2020 16:10

Instrument :

MSVOA_Y

ClientSampleId :

TW-7.5

Tot Ion: 43 Resp: 20668864

Ion Ratio Lower Upper

43 100

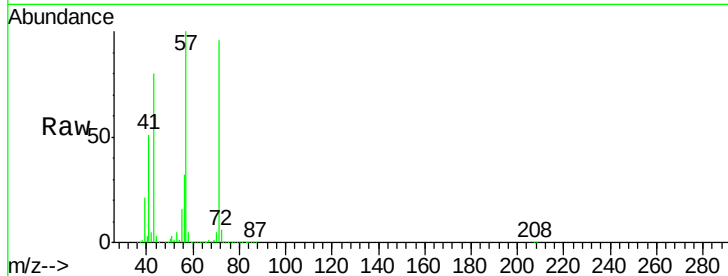
58 6.0 27.3 40.9#

Manual Integrations

APPROVED

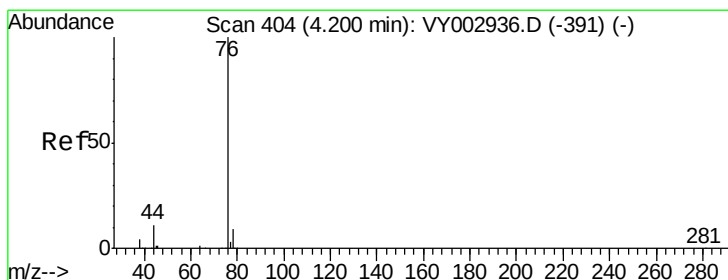
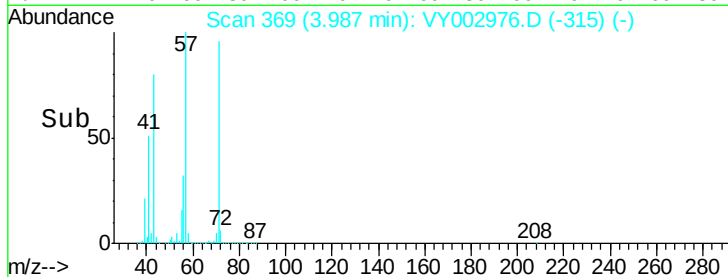
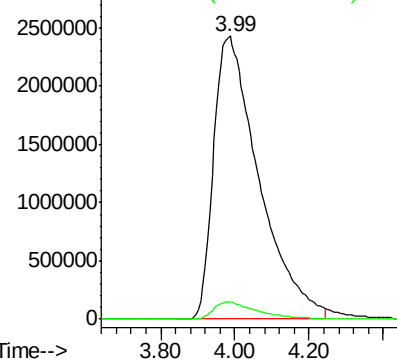
MMDadoda

6/23/2020 8:13:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 11.942 ug/l

RT: 4.21 min Scan# 406

Delta R.T. 0.01 min

Lab File: VY002976.D

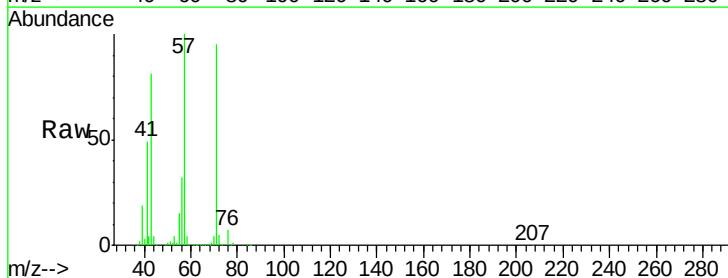
Acq: 22 Jun 2020 16:10

Tgt Ion: 76 Resp: 48995

Ion Ratio Lower Upper

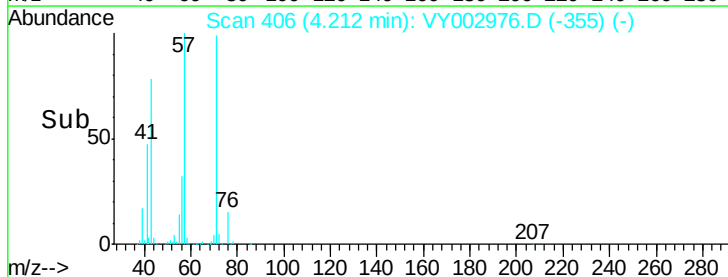
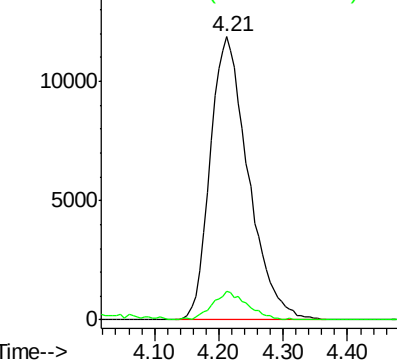
76 100

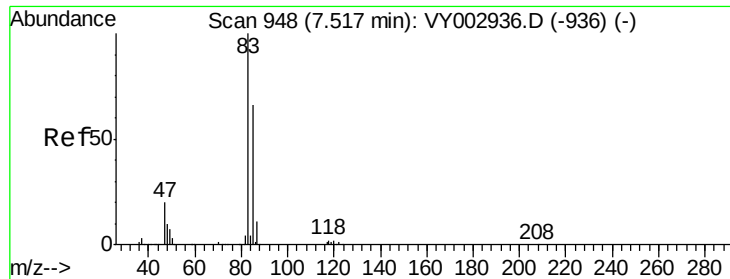
78 9.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0





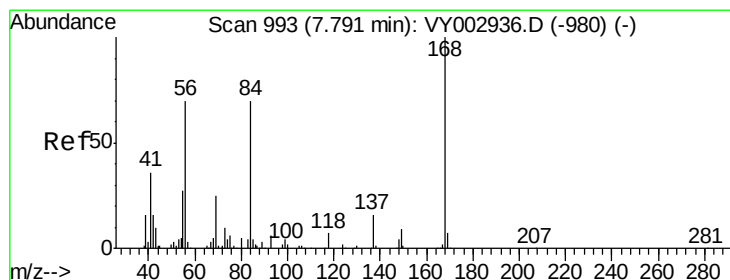
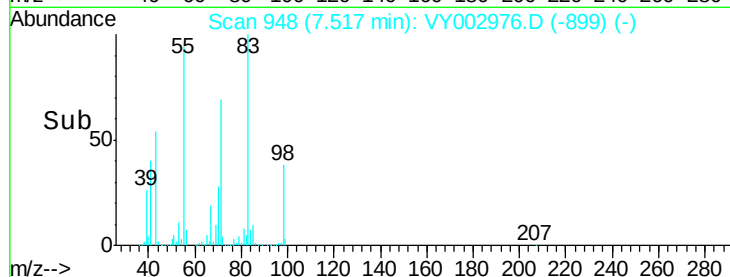
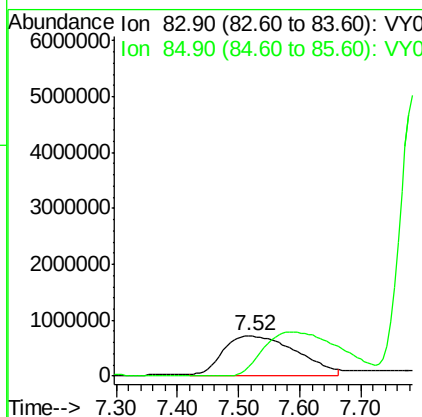
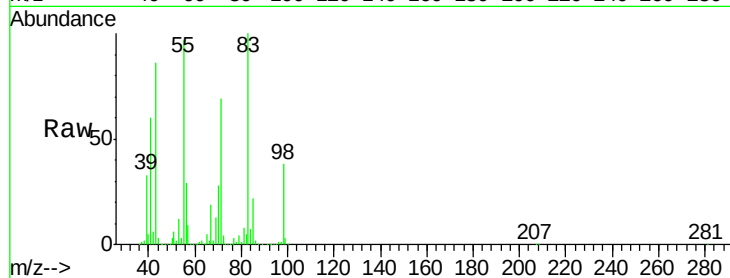
#30
Chloroform
Concen: 2419.342 ug/l m
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Instrument :
MSVOA_Y
ClientSampleId :
TW-7.5

Tot Ion: 83 Resp: 6134410
Ion Ratio Lower Upper
83 100
85 21.9 53.1 79.7#

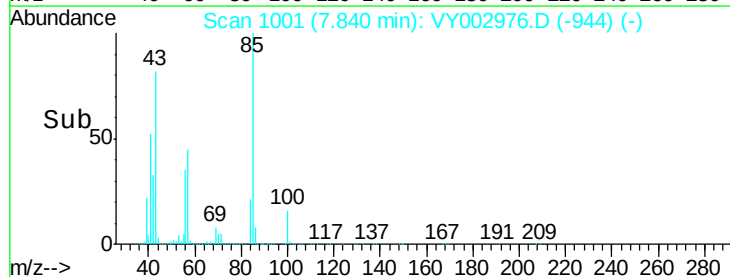
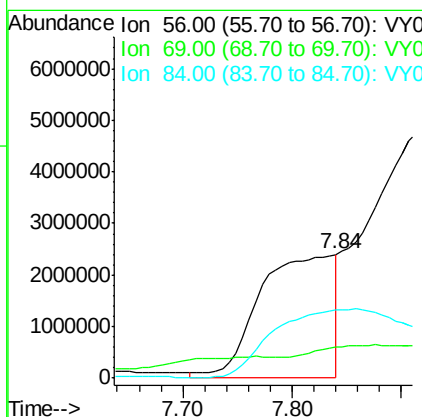
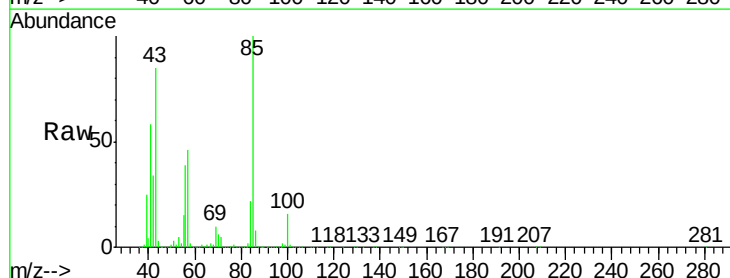
Manual Integrations
APPROVED

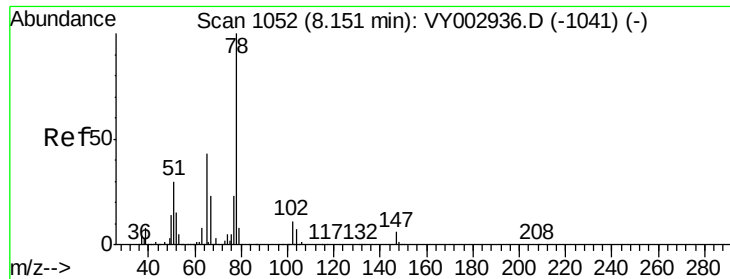
MMDadoda
6/23/2020 8:13:17 PM



#31
Cyclohexane
Concen: 4881.255 ug/l m
RT: 7.84 min Scan# 1001
Delta R.T. 0.05 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Tgt Ion: 56 Resp: 11526900
Ion Ratio Lower Upper
56 100
69 24.7 28.9 43.3#
84 54.9 80.1 120.1#





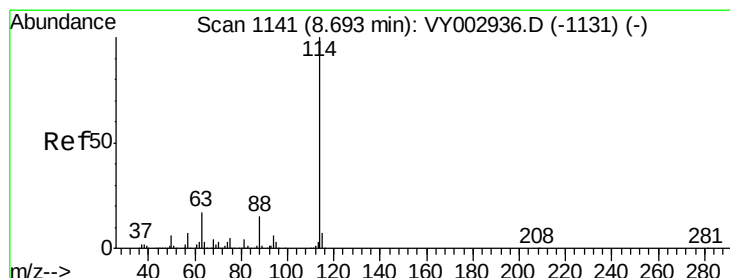
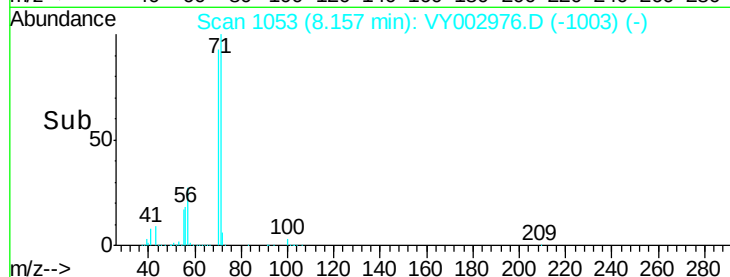
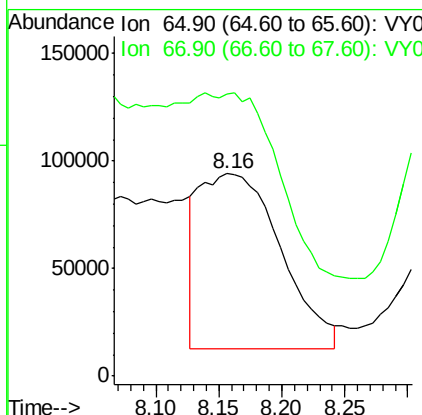
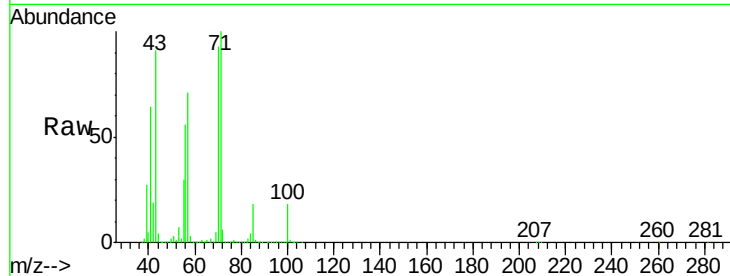
#33
 1,2-Dichloroethane-d4
 Concen: 269.239 ug/l m
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY002976.D
 Acq: 22 Jun 2020 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 TW-7.5

Tot Ion: 65 Resp: 370273
 Ion Ratio Lower Upper
 65 100
 67 532.9 0.0 109.4#

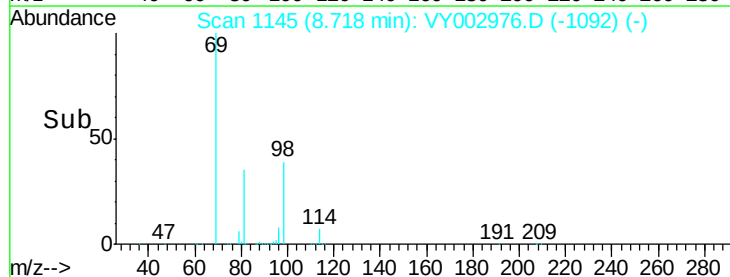
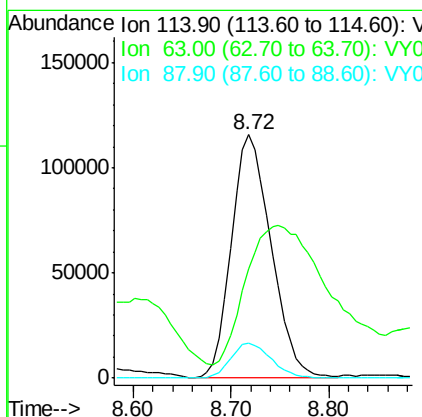
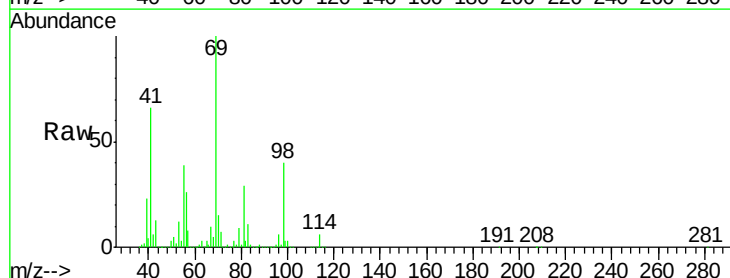
Manual Integrations
 APPROVED

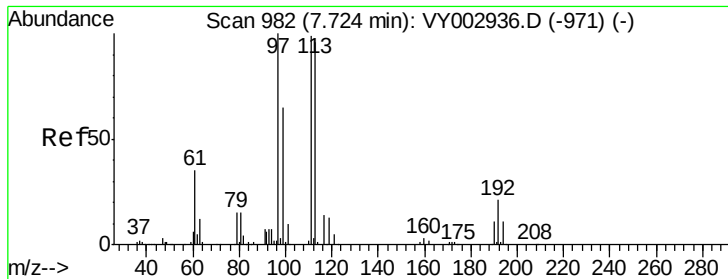
MMDadoda
 6/23/2020 8:13:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.02 min
 Lab File: VY002976.D
 Acq: 22 Jun 2020 16:10

Tgt Ion: 114 Resp: 323955
 Ion Ratio Lower Upper
 114 100
 63 33.2 0.0 34.6
 88 14.2 0.0 29.2





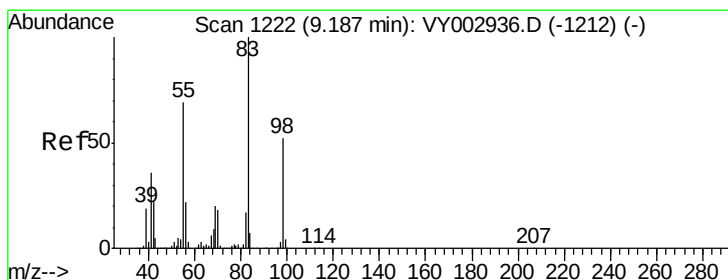
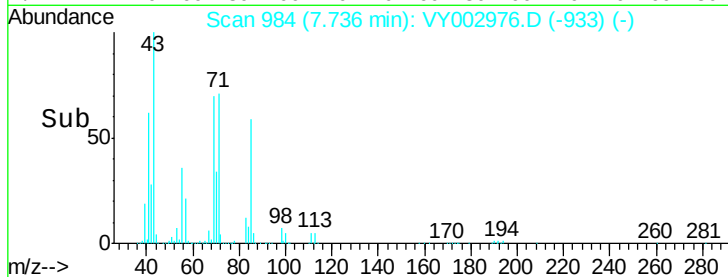
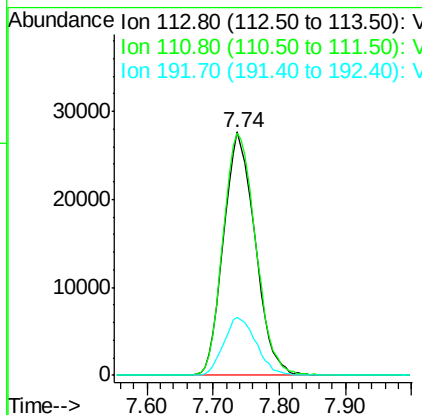
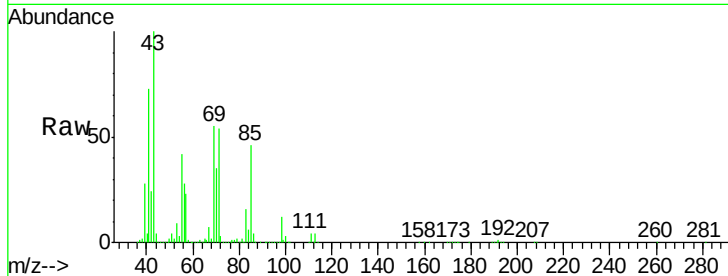
#35
Dibromofluoromethane
Concen: 49.894 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Instrument :
MSVOA_Y
ClientSampleId :
TW-7.5

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.5	122.3
192	24.5	19.2	28.8

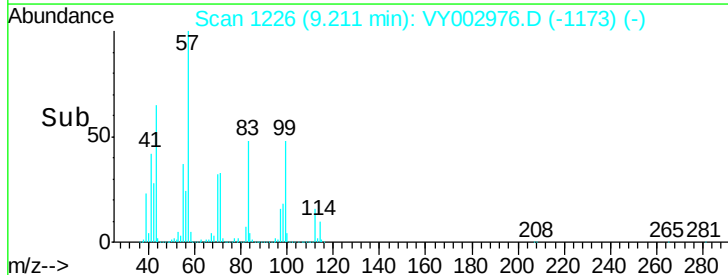
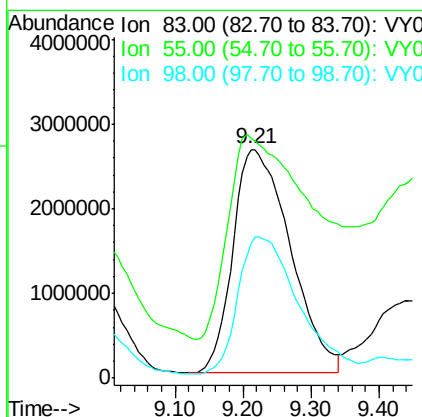
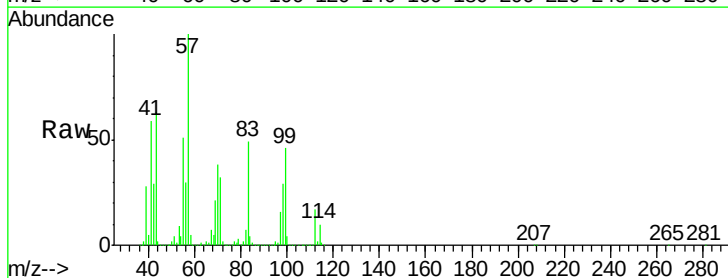
Manual Integrations
APPROVED

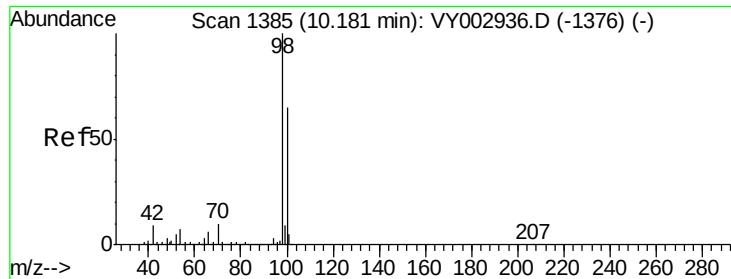
MMDadoda
6/23/2020 8:13:17 PM



#39
Methylcyclohexane
Concen: 4444.798 ug/l
RT: 9.21 min Scan# 1226
Delta R.T. 0.02 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.7	55.0	82.4#
98	58.8	41.4	62.2





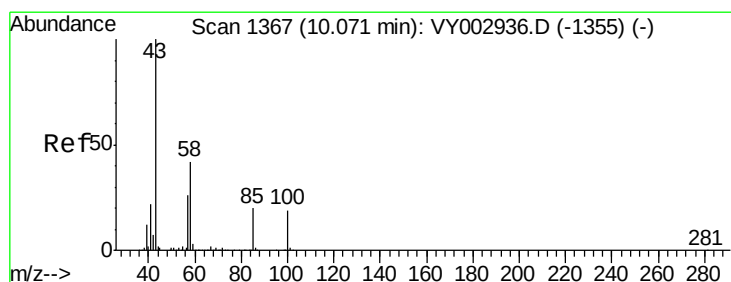
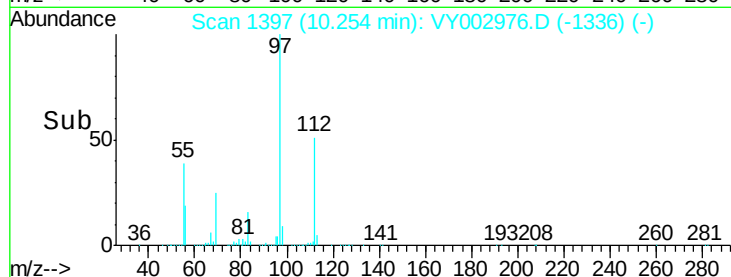
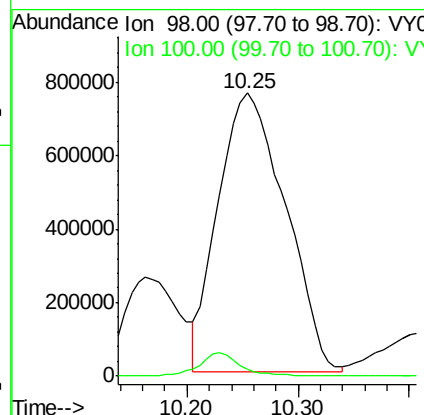
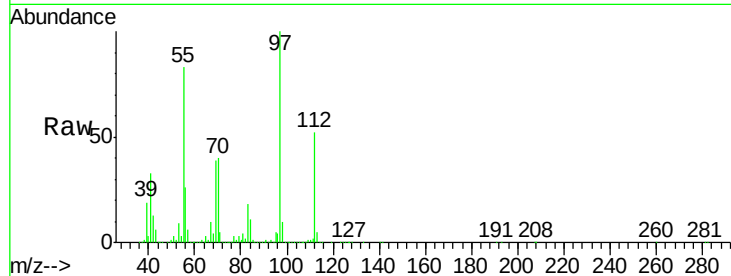
#50
Toluene-d8
Concen: 440.709 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.07 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Instrument :
MSVOA_Y
ClientSampled :
TW-7.5

Tot Ion: 98 Resp: 3185203
Ion Ratio Lower Upper
98 100
100 0.0 51.9 77.9#

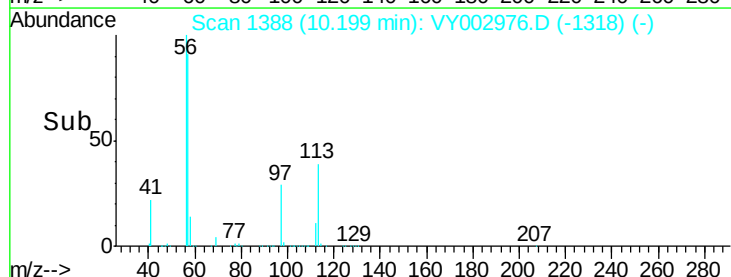
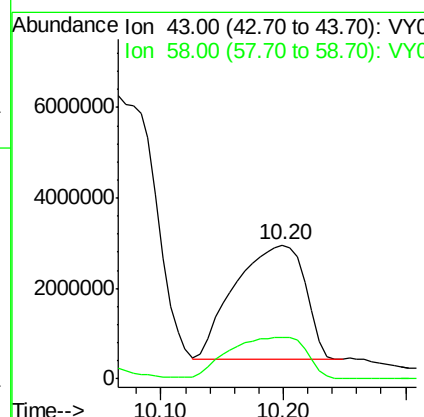
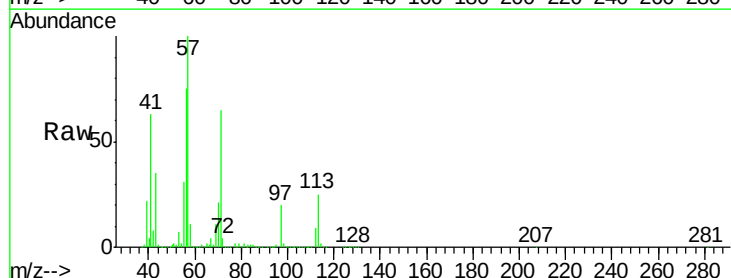
Manual Integrations
APPROVED

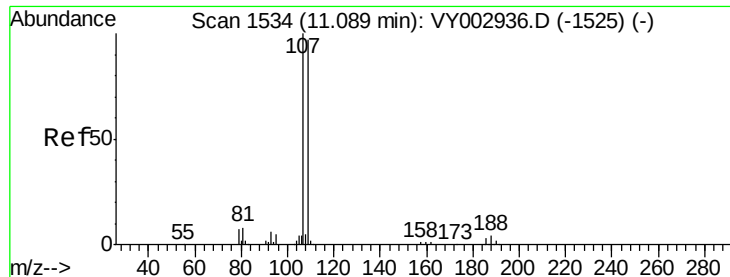
MMDadoda
6/23/2020 8:13:17 PM



#51
4-Methyl-2-Pentanone
Concen: 6929.336 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.13 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Tgt Ion: 43 Resp: 9989434
Ion Ratio Lower Upper
43 100
58 39.7 33.9 50.9





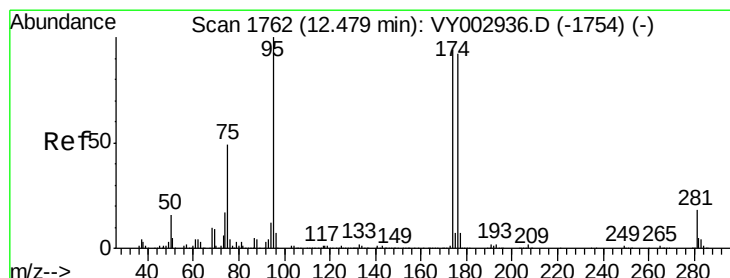
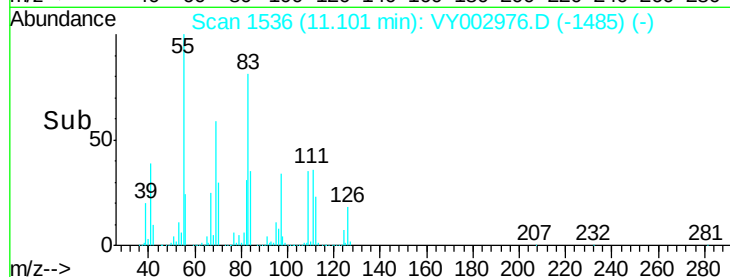
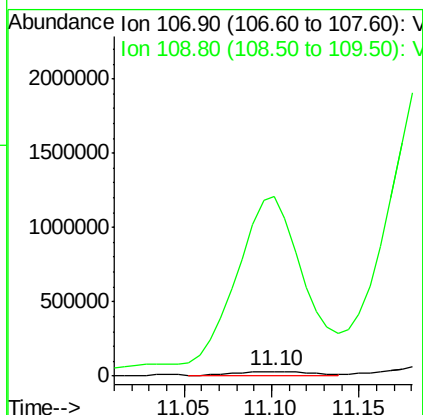
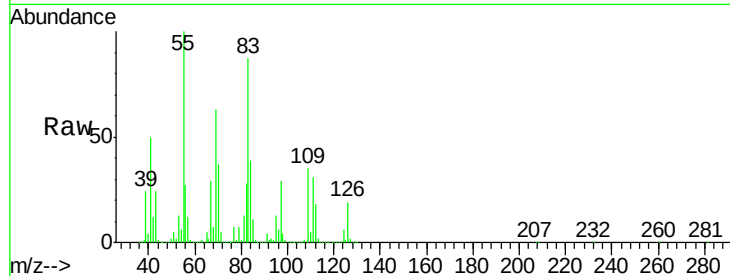
#61
 1,2-Dibromoethane
 Concen: 46.063 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY002976.D
 Acq: 22 Jun 2020 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 TW-7.5

Tot Ion:107 Resp: 76649
 Ion Ratio Lower Upper
 107 100
 109 4128.9 76.6 114.8

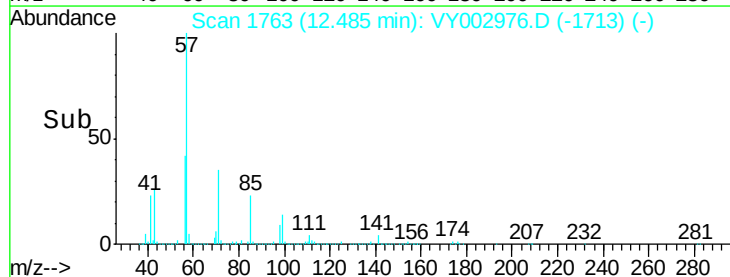
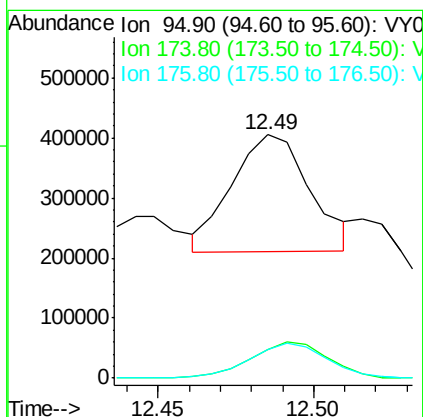
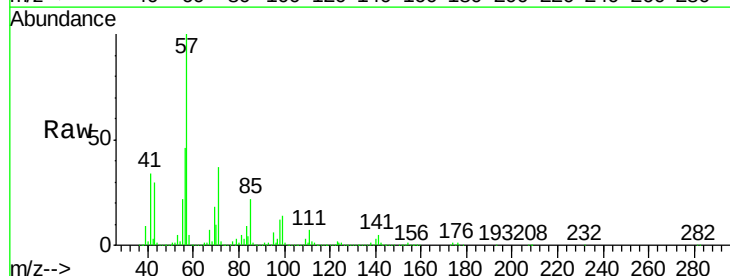
Manual Integrations
 APPROVED

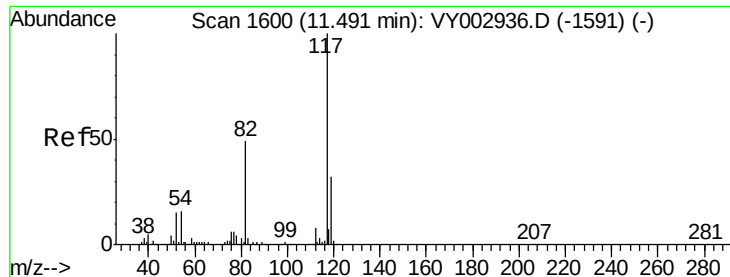
MMDadoda
 6/23/2020 8:13:17 PM



#62
 4-Bromofluorobenzene
 Concen: 135.338 ug/l m
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: VY002976.D
 Acq: 22 Jun 2020 16:10

Tgt Ion: 95 Resp: 339298
 Ion Ratio Lower Upper
 95 100
 174 30.9 0.0 191.2
 176 29.9 0.0 186.0





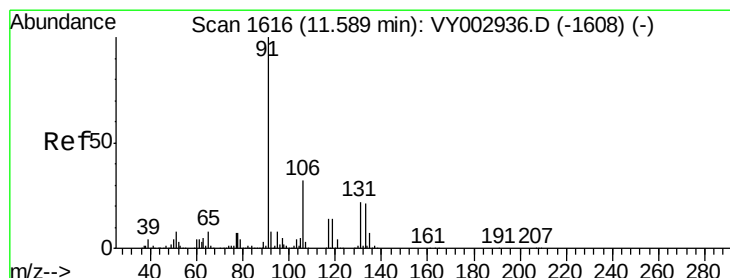
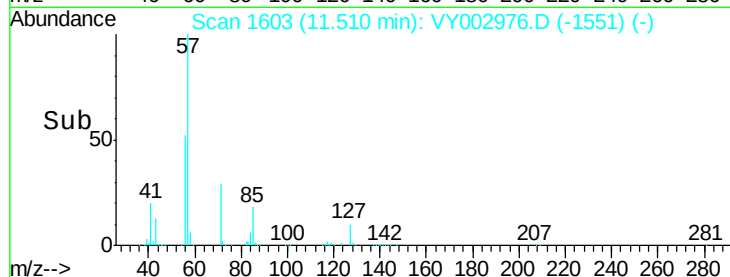
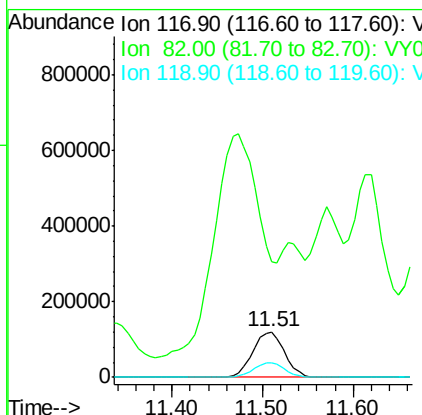
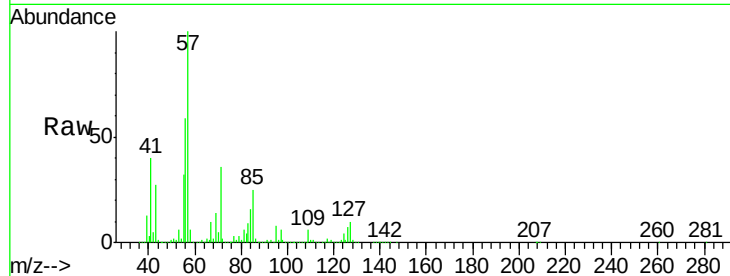
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.02 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Instrument :
MSVOA_Y
ClientSampleId :
TW-7.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	178.9	39.4	59.0#
119	31.7	25.4	38.0

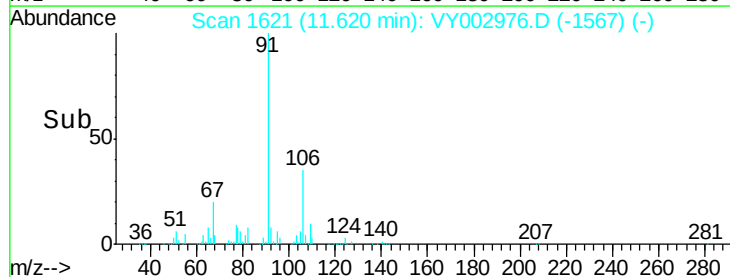
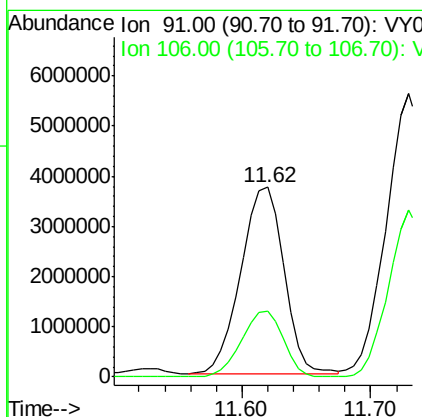
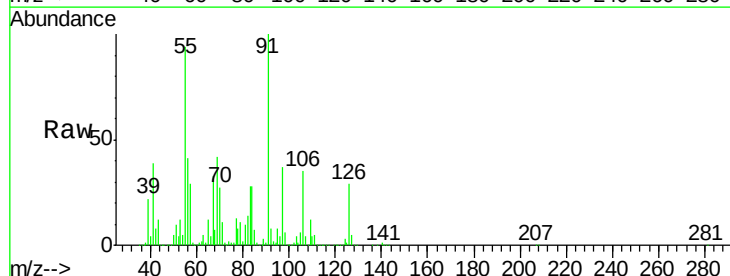
Manual Integrations
APPROVED

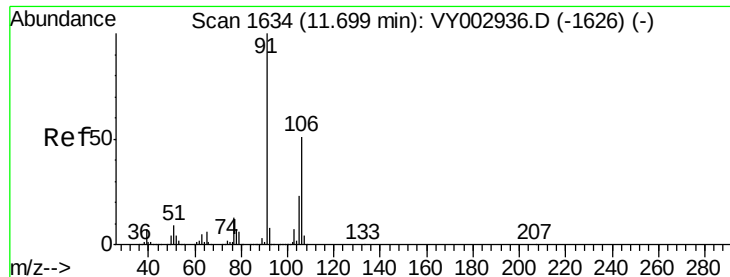
MMDadoda
6/23/2020 8:13:17 PM



#67
Ethyl Benzene
Concen: 918.411 ug/l
RT: 11.62 min Scan# 1621
Delta R.T. 0.03 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.4	25.8	38.8





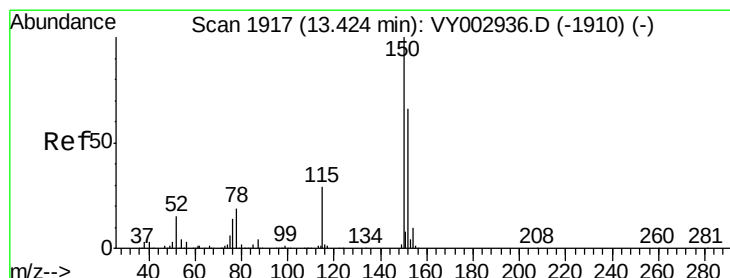
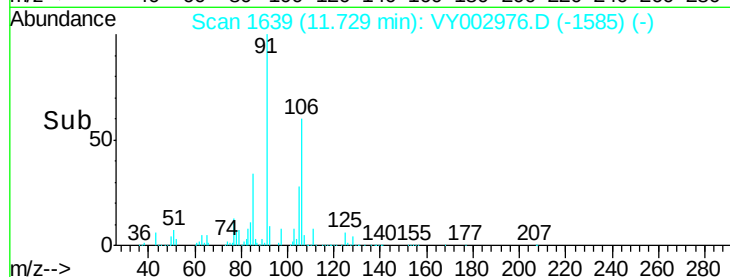
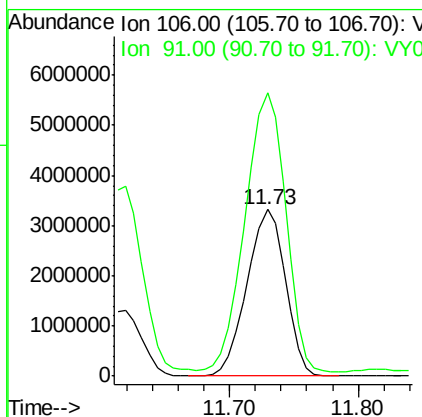
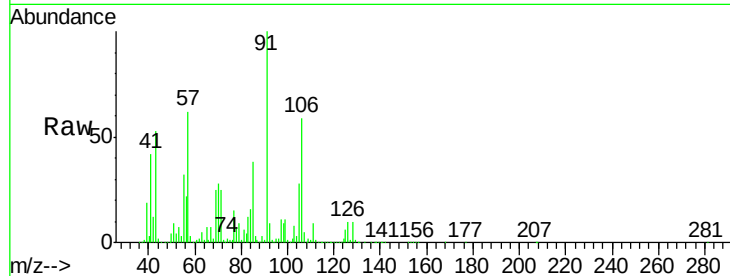
#68
m/p-Xvlenes
Concen: 1885.515 ug/l
RT: 11.73 min Scan# 1639
Delta R.T. 0.03 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Instrument :
MSVOA_Y
ClientSampleId :
TW-7.5

Tot Ion:106 Resp: 6866774
Ion Ratio Lower Upper
106 100
91 178.9 155.9 233.9

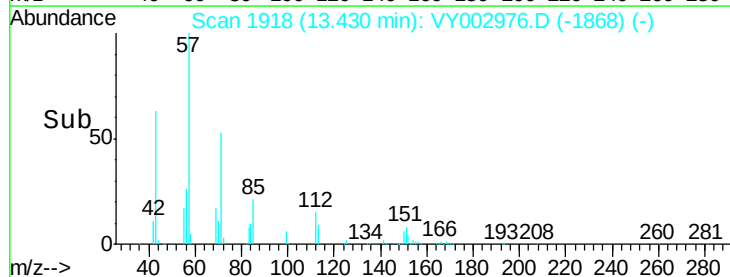
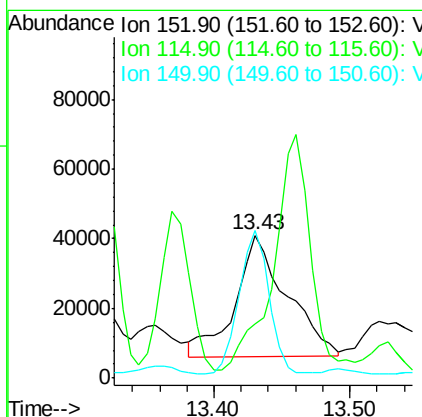
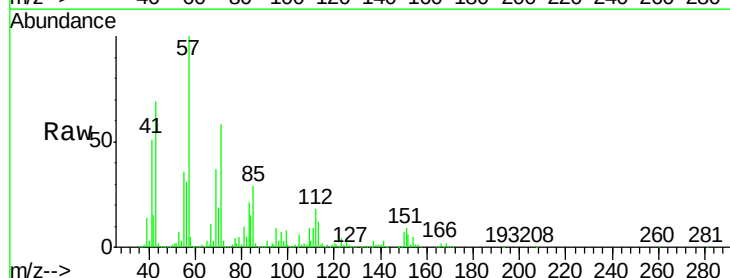
Manual Integrations
APPROVED

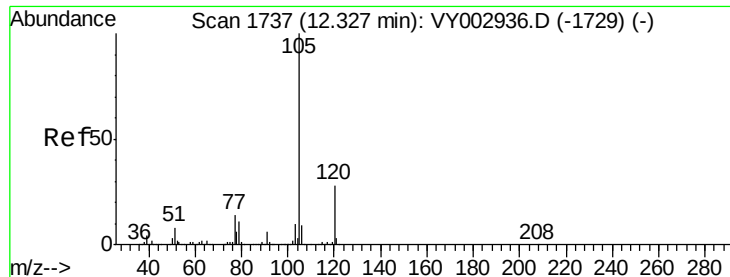
MMDadoda
6/23/2020 8:13:17 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Tgt Ion:152 Resp: 92407
Ion Ratio Lower Upper
152 100
115 0.0 26.9 80.6#
150 70.2 0.0 341.8





#73

Isopropylbenzene

Concen: 2832.808 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.02 min

Lab File: VY002976.D

Acq: 22 Jun 2020 16:10

Instrument :

MSVOA_Y

ClientSampleId :

TW-7.5

Tot Ion:105 Resp:16043356

Ion Ratio Lower Upper

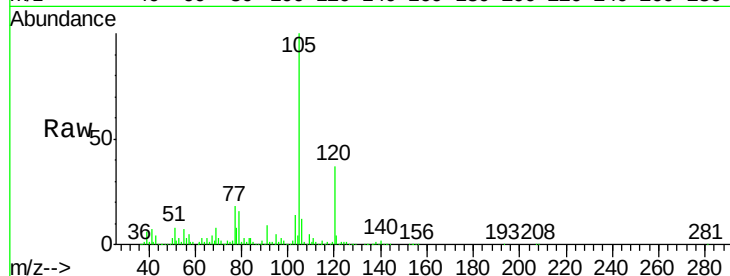
105 100

120 33.3 14.0 41.9

Manual Integrations
APPROVED

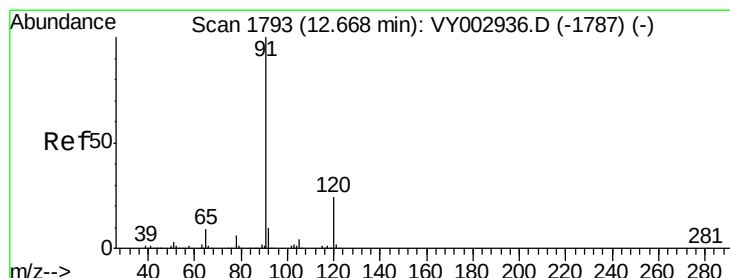
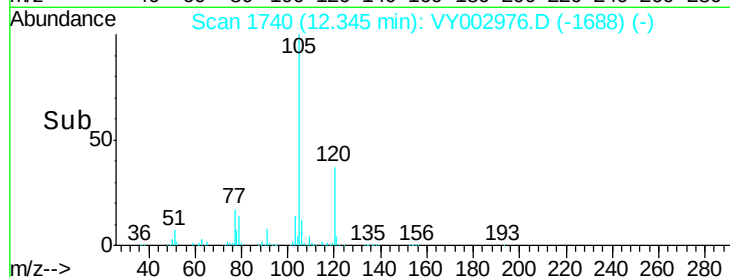
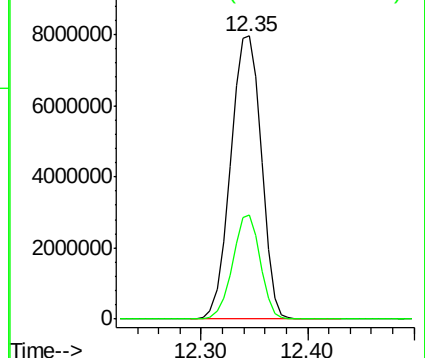
MMDadoda

6/23/2020 8:13:17 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 2892.105 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY002976.D

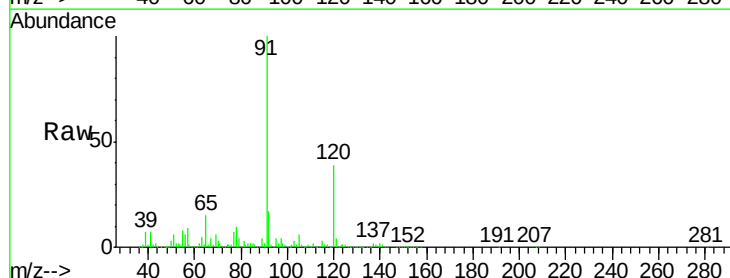
Acq: 22 Jun 2020 16:10

Tgt Ion: 91 Resp:19002570

Ion Ratio Lower Upper

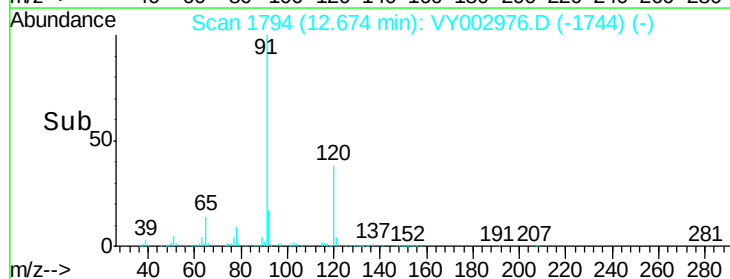
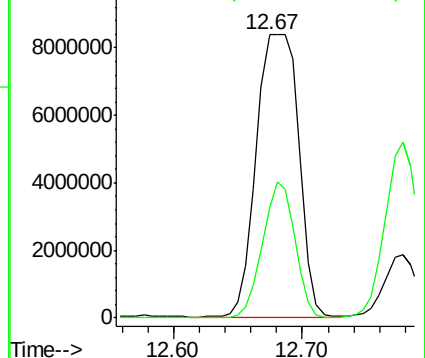
91 100

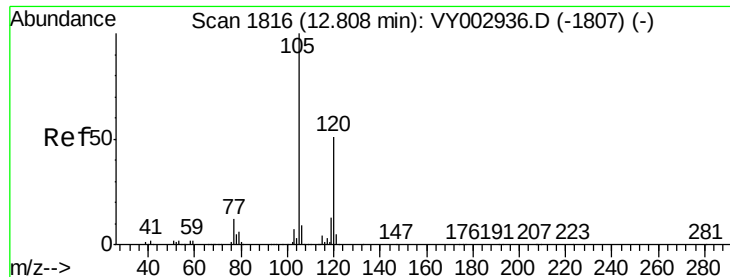
120 37.0 12.3 36.9#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





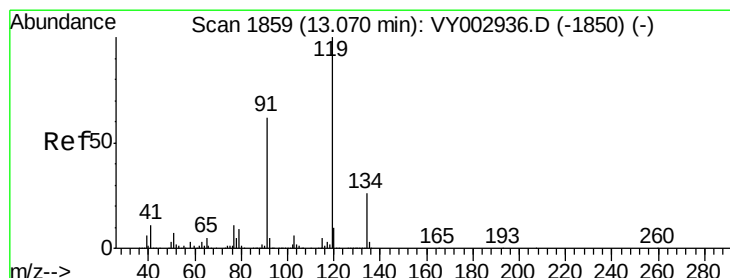
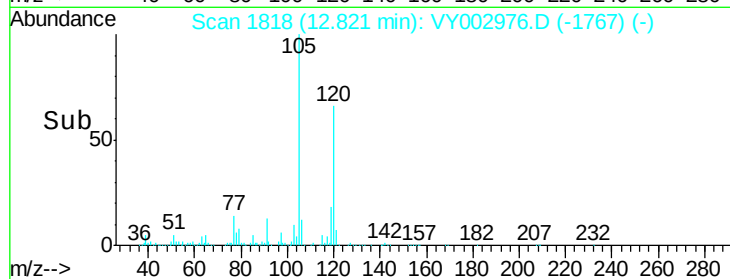
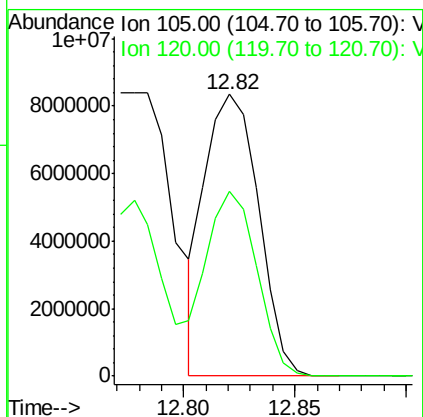
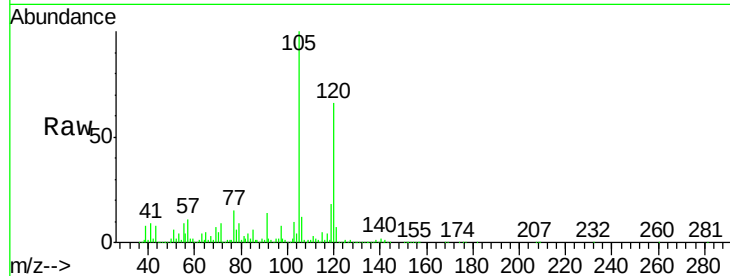
#80
 1,3,5-Trimethylbenzene
 Concen: 2968.438 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.01 min
 Lab File: VY002976.D
 Acq: 22 Jun 2020 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 TW-7.5

Tot Ion:105 Resp:14014830
 Ion Ratio Lower Upper
 105 100
 120 65.2 25.6 76.6

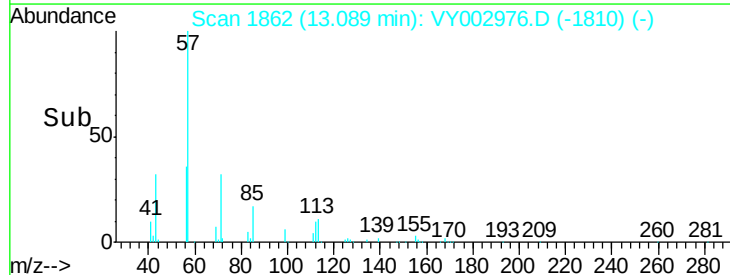
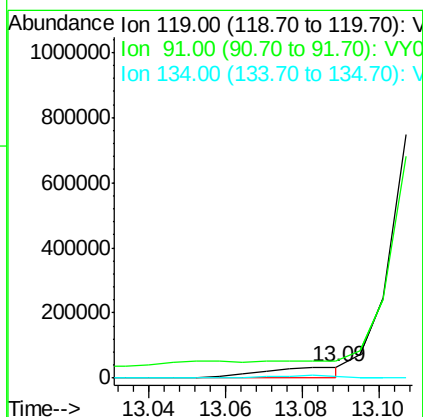
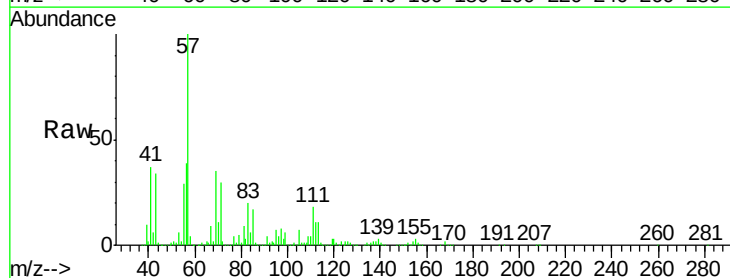
Manual Integrations
 APPROVED

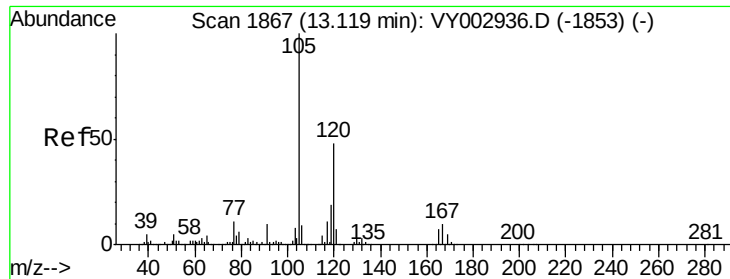
MMDadoda
 6/23/2020 8:13:17 PM



#83
 tert-Butylbenzene
 Concen: 11.524 ug/l m
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.02 min
 Lab File: VY002976.D
 Acq: 22 Jun 2020 16:10

Tgt Ion:119 Resp: 48734
 Ion Ratio Lower Upper
 119 100
 91 10040.7 29.9 89.7#
 134 0.0 13.3 39.8#





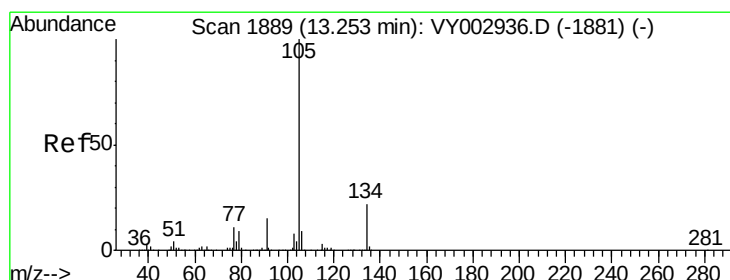
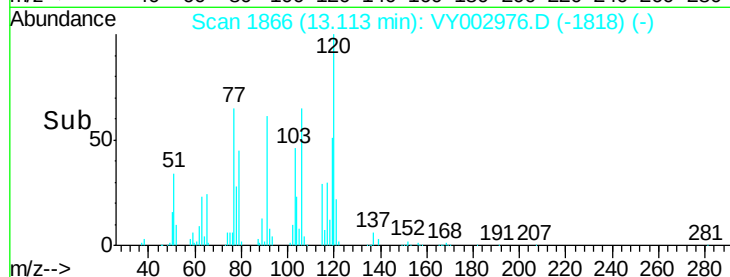
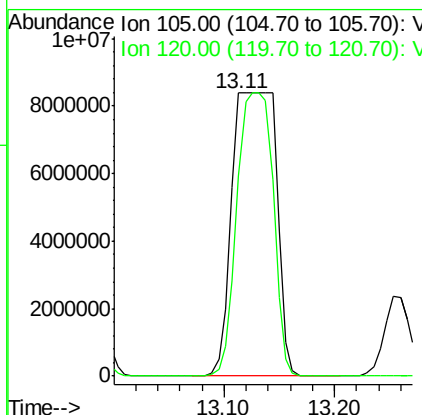
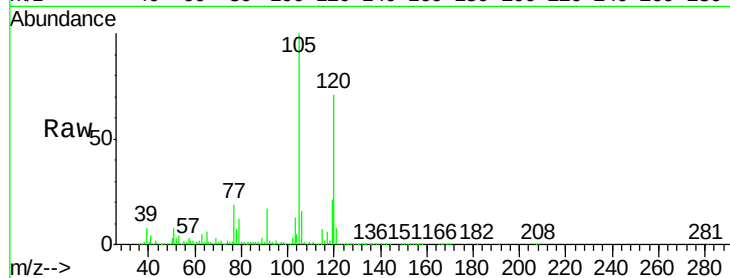
#84
1,2,4-Trimethylbenzene
Concen: 4931.412 ug/l m
RT: 13.11 min Scan# 1866
Delta R.T. -0.01 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Instrument :
MSVOA_Y
ClientSampleId :
TW-7.5

Tot Ion:105 Resp:23428144
Ion Ratio Lower Upper
105 100
120 10.4 23.5 70.5#

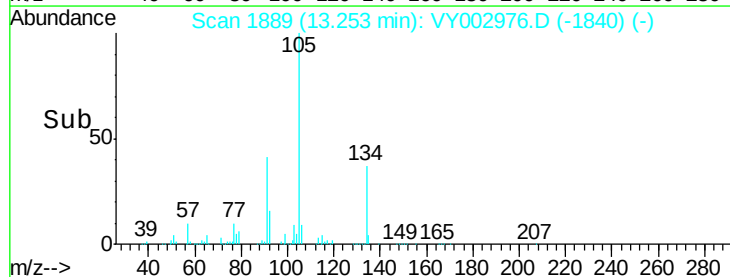
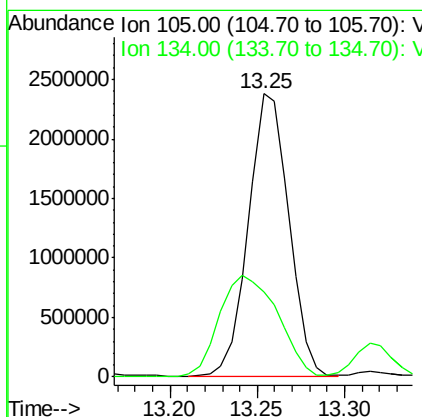
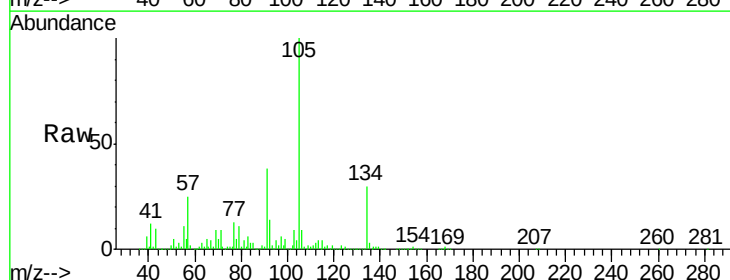
Manual Integrations
APPROVED

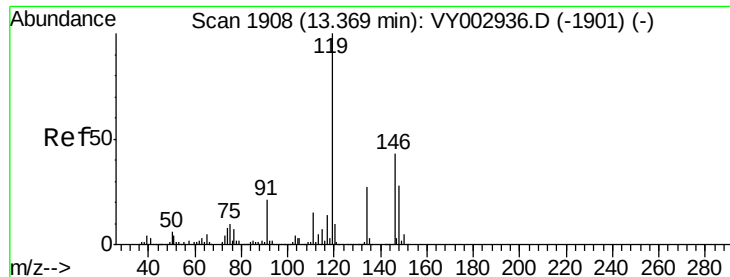
MMDadoda
6/23/2020 8:13:17 PM



#85
sec-Butylbenzene
Concen: 659.364 ug/l
RT: 13.25 min Scan# 1889
Delta R.T. 0.00 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Tgt Ion:105 Resp: 3793117
Ion Ratio Lower Upper
105 100
134 52.2 10.8 32.4#





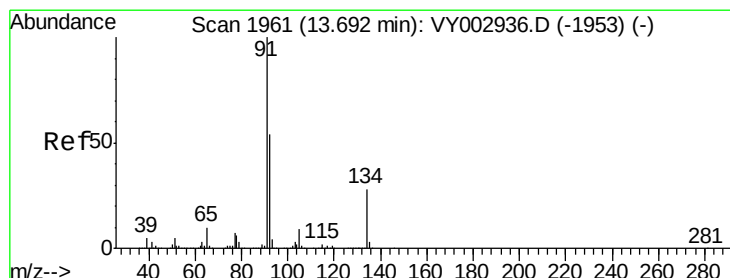
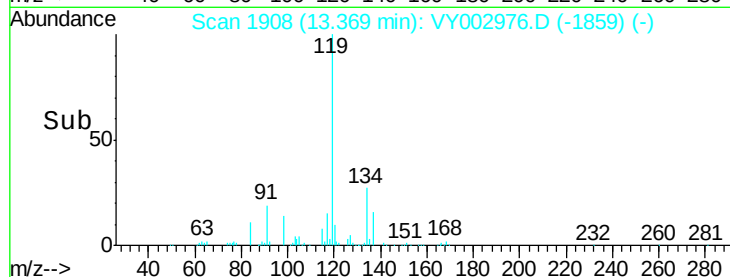
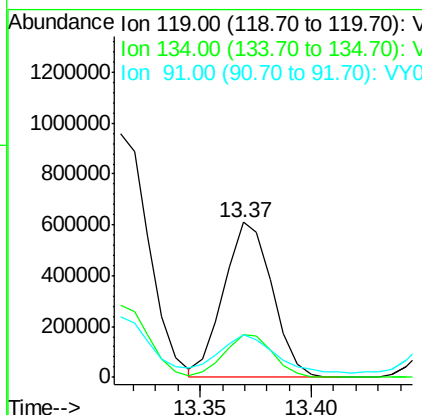
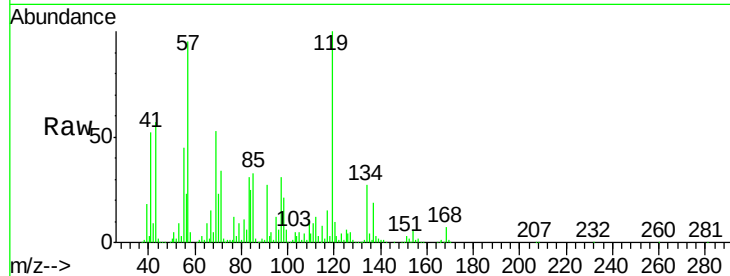
#86
p-Isopropyltoluene
Concen: 170.504 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Instrument :
MSVOA_Y
ClientSampled :
TW-7.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.6	40.8
91	26.8	10.8	32.4

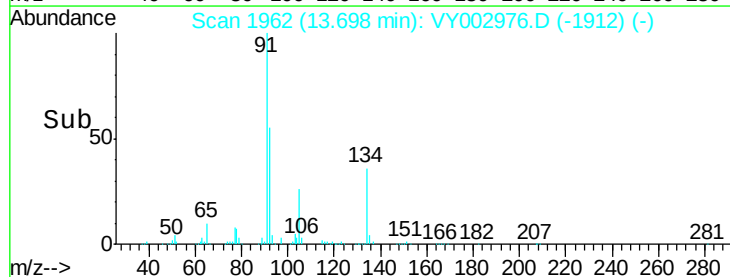
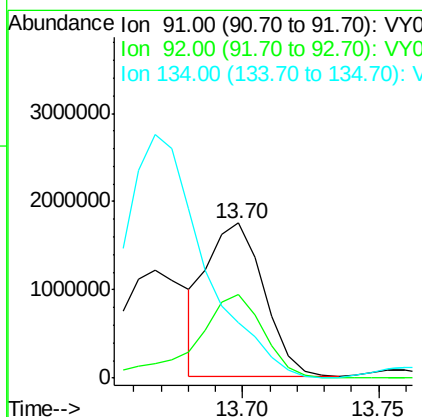
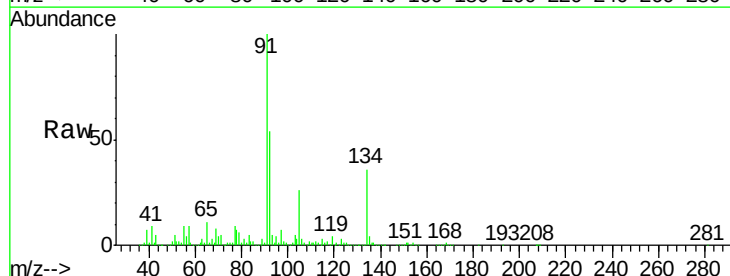
Manual Integrations
APPROVED

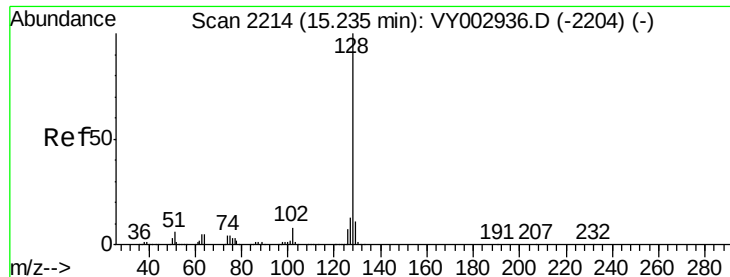
MMDadoda
6/23/2020 8:13:17 PM



#89
n-Butylbenzene
Concen: 512.022 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	65.7	27.0	80.8
134	0.0	14.5	43.5#





#95
Naphthalene
Concen: 41.453 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002976.D
Acq: 22 Jun 2020 16:10

Instrument :
MSVOA_Y
ClientSampleId :
TW-7.5

Tot Ion	Ratio	Resp	Lower	Upper
128	100	157707		
127	19.7		10.2	15.4#
129	14.2		8.7	13.1#

Manual Integrations
APPROVED

MMDadoda
6/23/2020 8:13:17 PM

