

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001380.D
 Acq On : 24 Jan 2020 14:28
 Operator : SY/MD
 Sample : L1238-01
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLIFTON-POLES

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:01:38 PM

Quant Time: Jan 25 04:26:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	55229	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	95227	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	62657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	18342	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	24781	41.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	82.48%	
35) Dibromofluoromethane	7.73	113	26690	47.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	10.19	98	104606	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.49	95	21616	25.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	13118	77.635	ug/l	98
17) Carbon Disulfide	4.19	76	4736	2.568	ug/l	97
25) 2-Butanone	7.00	43	2799	10.701	ug/l #	88
40) Benzene	8.17	78	3893	1.443	ug/l	100
52) Toluene	10.25	92	15884	9.289	ug/l	100
67) Ethyl Benzene	11.60	91	326760	134.252	ug/l	98
68) m/p-Xylenes	11.70	106	215340	236.885	ug/l	99
69) o-Xylene	12.03	106	199834	228.511	ug/l	99
73) Isopropylbenzene	12.33	105	195488	135.068	ug/l	97
78) n-propylbenzene	12.67	91	66776	38.331	ug/l #	53
80) 1,3,5-Trimethylbenzene	12.81	105	1305477	1080.579	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	2593874	2138.529	ug/l	100
85) sec-Butylbenzene	13.25	105	19434m	13.432	ug/l	
86) p-Isopropyltoluene	13.38	119	160910	126.200	ug/l	99
89) n-Butylbenzene	13.70	91	27826m	21.684	ug/l	
95) Naphthalene	15.24	128	23719673	27144.897	ug/l #	88

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

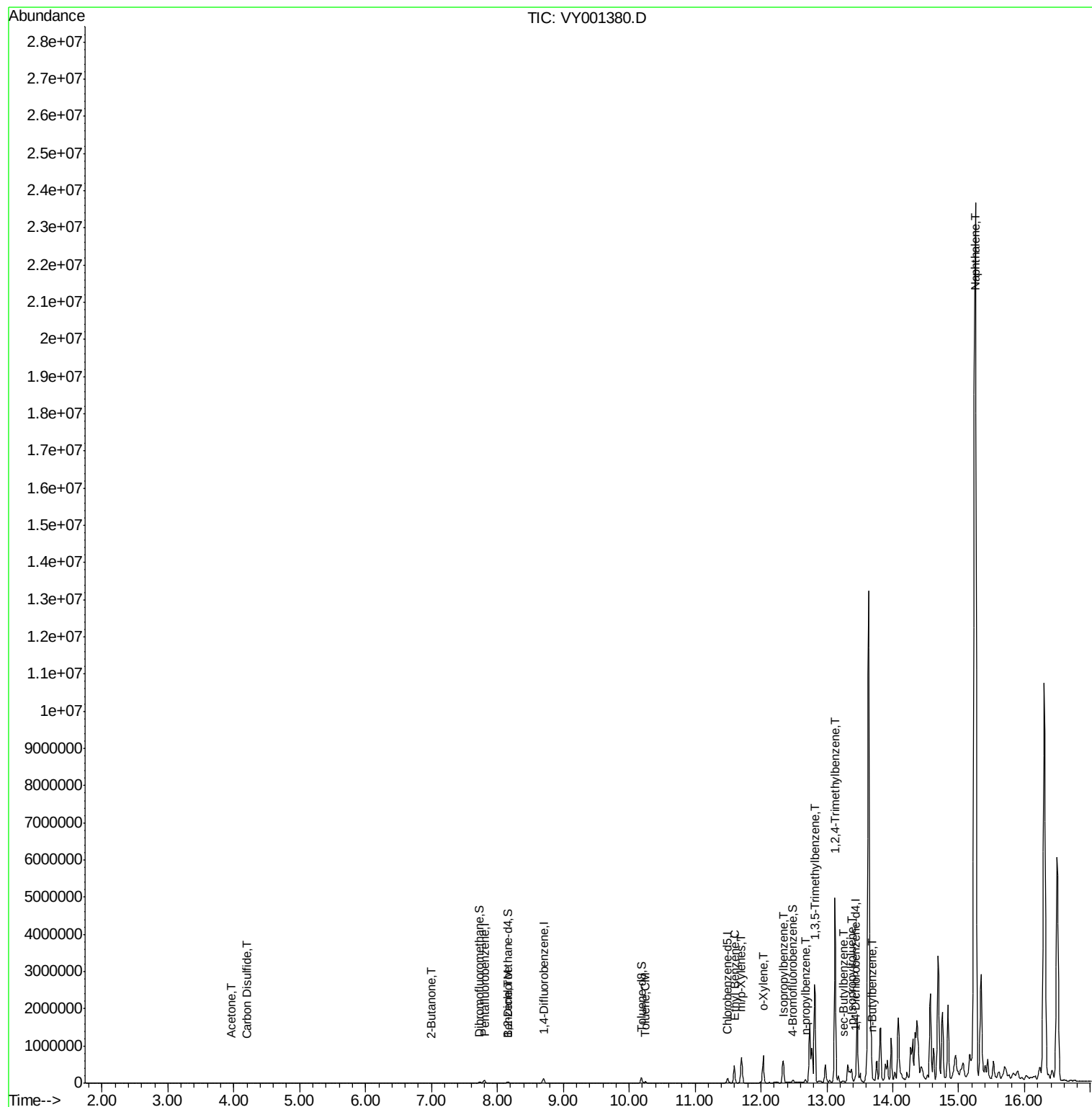
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
Data File : VY001380.D
Acq On : 24 Jan 2020 14:28
Operator : SY/MD
Sample : L1238-01
Misc : 5.04G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

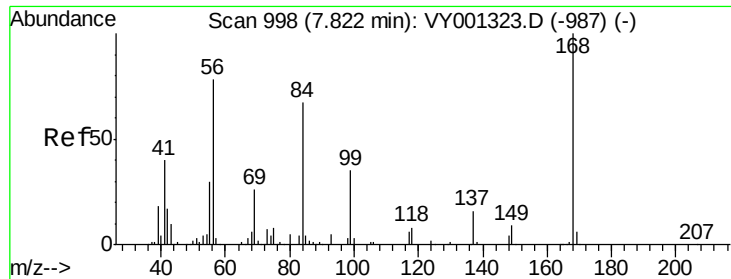
Instrument :
MSVOA_Y
ClientSampleId :
CLIFTON-POLES

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:01:38 PM

Quant Time: Jan 25 04:26:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.02 min

Lab File: VY001380.D

Acq: 24 Jan 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

CLIFTON-POLES

Tot Ion:168 Resp: 55229

Ion Ratio Lower Upper

168 100

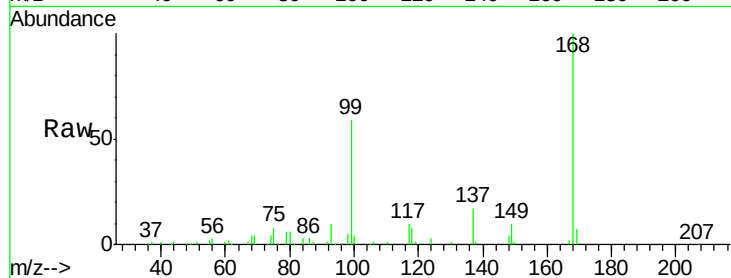
99 58.9 44.3 66.5

Manual Integrations

APPROVED

MMDadoda

1/27/2020 12:01:38 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001380.D (-949) (-)

Ion 98.90 (98.60 to 99.60): VY001380.D (-949) (-)

7.80

25000

20000

15000

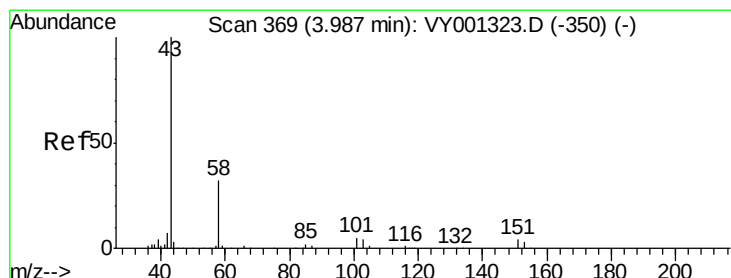
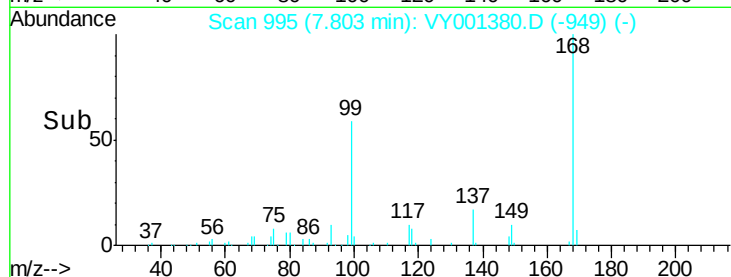
10000

5000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 77.635 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.02 min

Lab File: VY001380.D

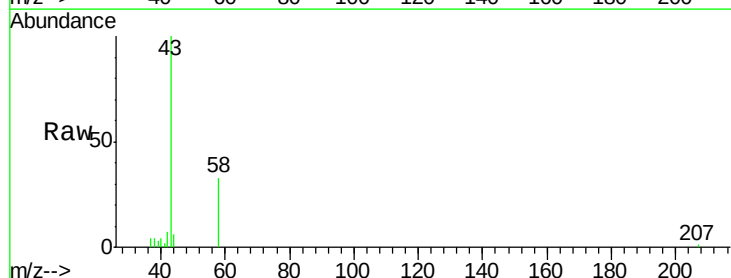
Acq: 24 Jan 2020 14:28

Tgt Ion: 43 Resp: 13118

Ion Ratio Lower Upper

43 100

58 32.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY001380.D (-320) (-)

Ion 58.00 (57.70 to 58.70): VY001380.D (-320) (-)

3.96

5000

4000

3000

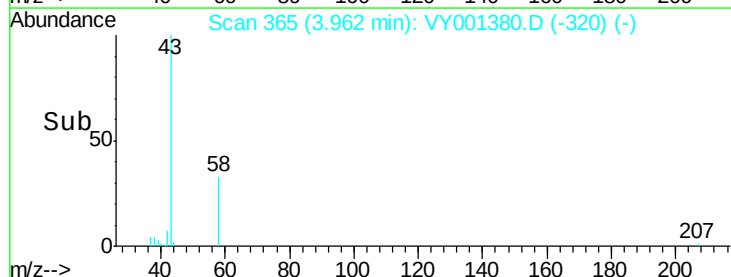
2000

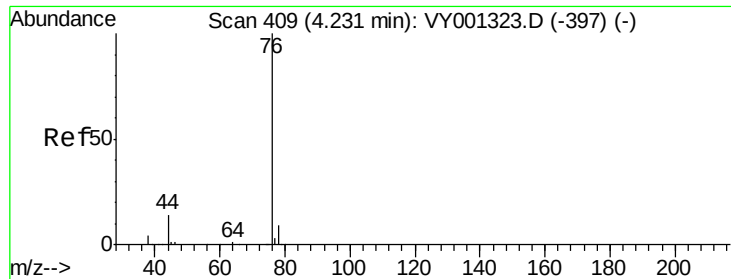
1000

0

3.90 4.00

Time-->





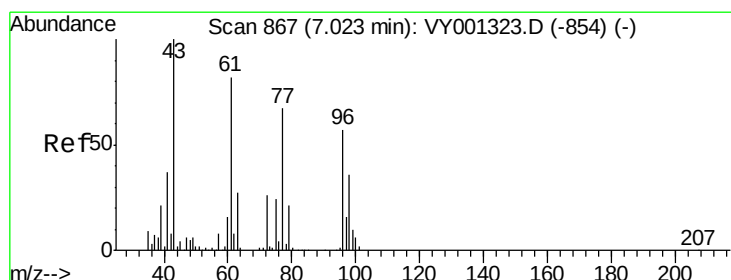
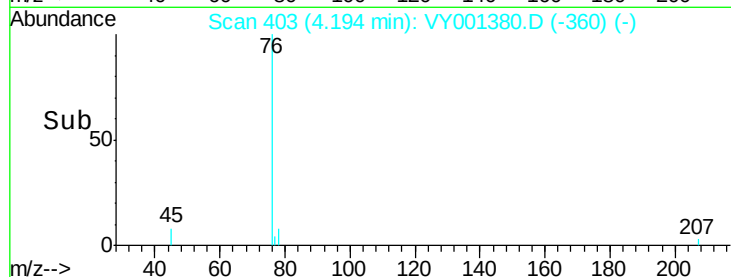
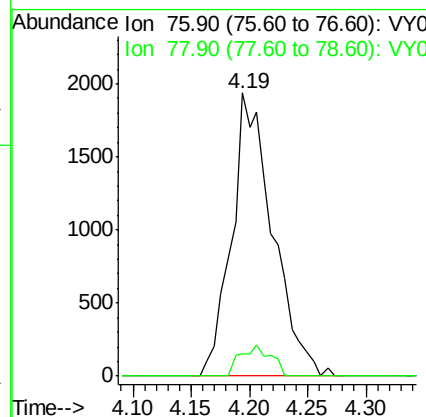
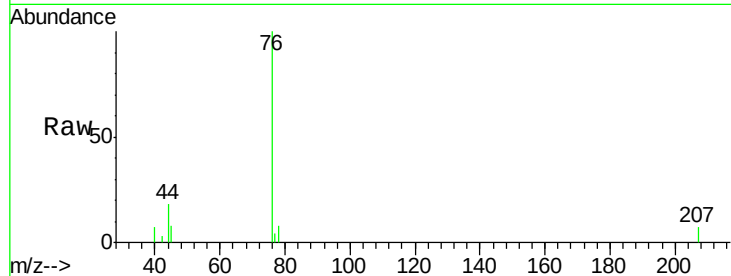
#17
Carbon Disulfide
Concen: 2.568 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.04 min
Lab File: VY001380.D
Acq: 24 Jan 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
CLIFTON-POLES

Tot Ion: 76 Resp: 4736
Ion Ratio Lower Upper
76 100
78 7.8 7.0 10.6

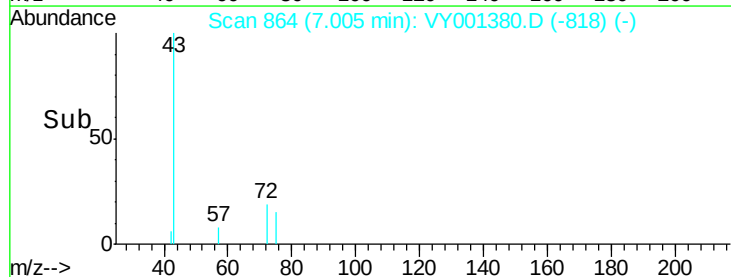
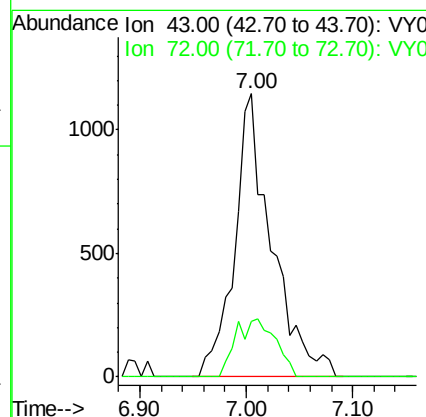
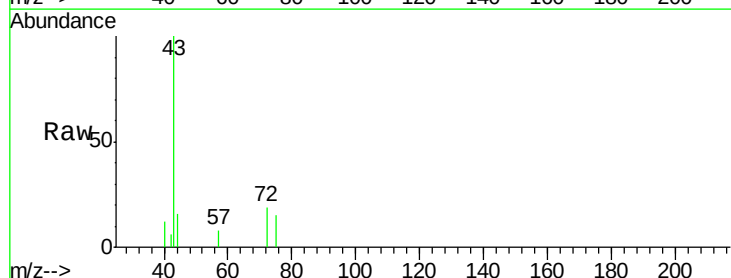
Manual Integrations
APPROVED

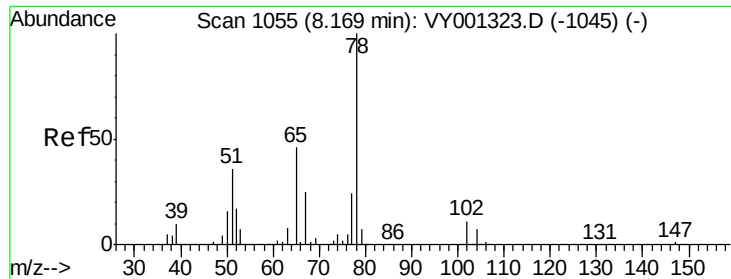
MMDadoda
1/27/2020 12:01:38 PM



#25
2-Butanone
Concen: 10.701 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.02 min
Lab File: VY001380.D
Acq: 24 Jan 2020 14:28

Tgt Ion: 43 Resp: 2799
Ion Ratio Lower Upper
43 100
72 19.5 20.6 31.0#





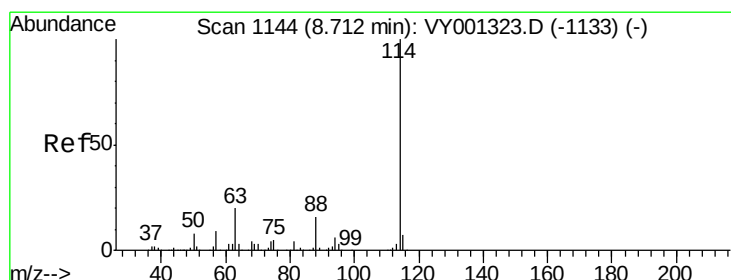
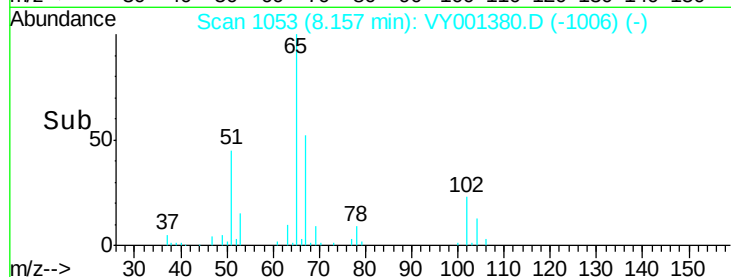
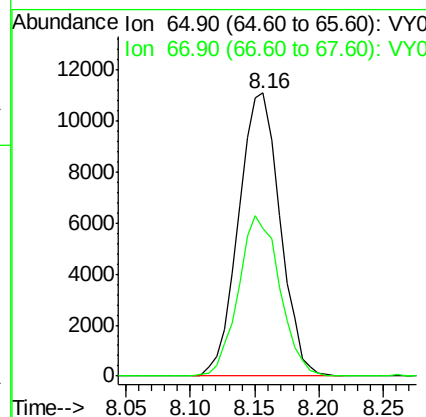
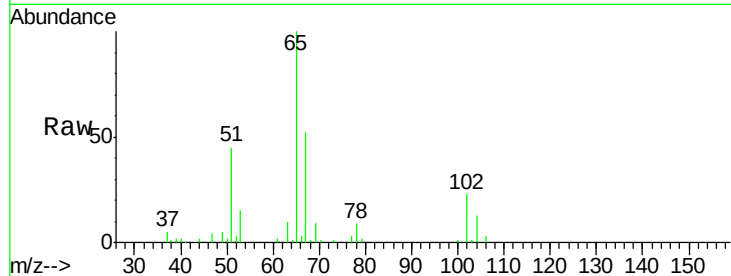
#33
 1,2-Dichloroethane-d4
 Concen: 41.235 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001380.D
 Acq: 24 Jan 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLIFTON-POLES

Tot Ion: 65 Resp: 24781
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 108.6

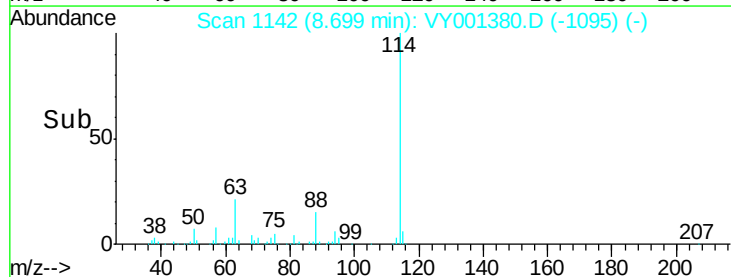
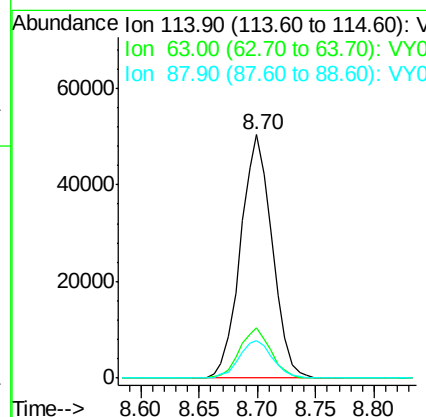
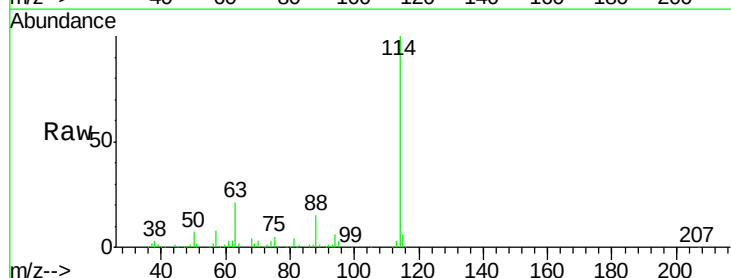
Manual Integrations
 APPROVED

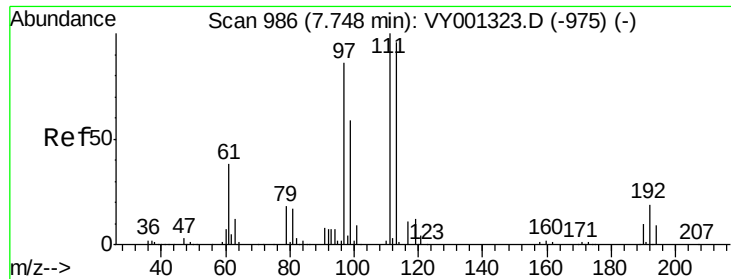
MMDadoda
 1/27/2020 12:01:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001380.D
 Acq: 24 Jan 2020 14:28

Tgt Ion: 114 Resp: 95227
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 15.3 0.0 31.0





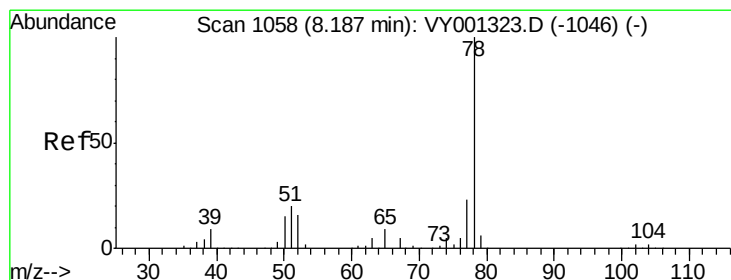
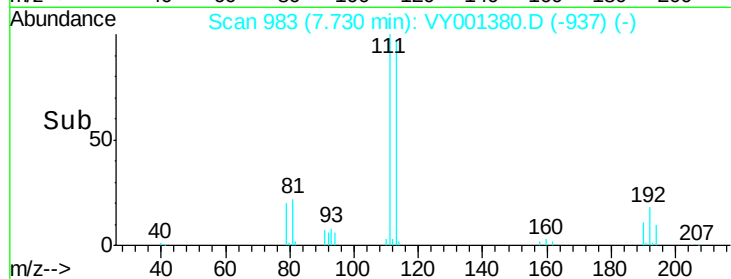
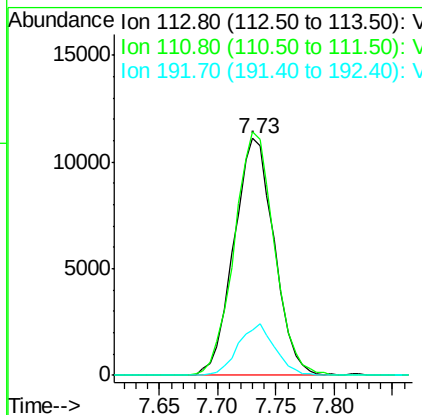
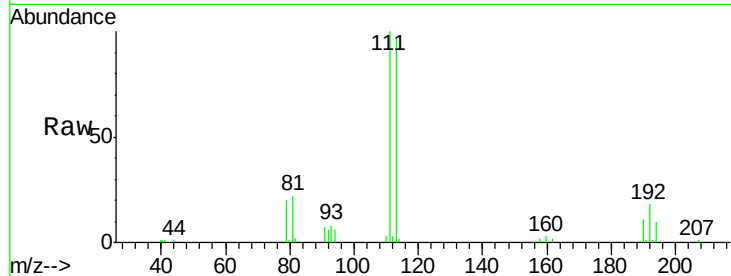
#35
 Dibromofluoromethane
 Concen: 47.755 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001380.D
 Acq: 24 Jan 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLIFTON-POLES

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.8	124.2
192	19.9	15.5	23.3

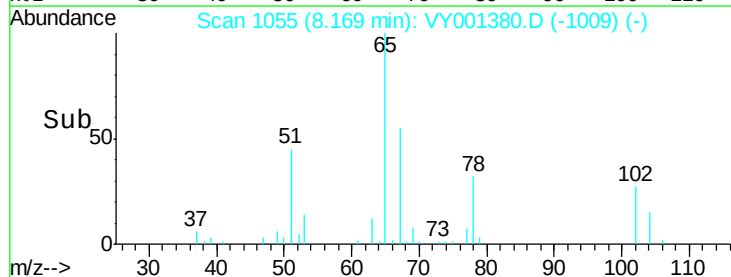
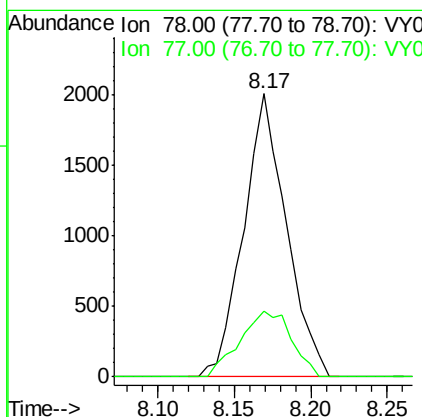
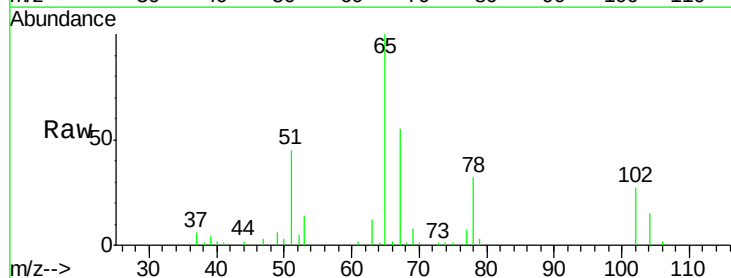
Manual Integrations
 APPROVED

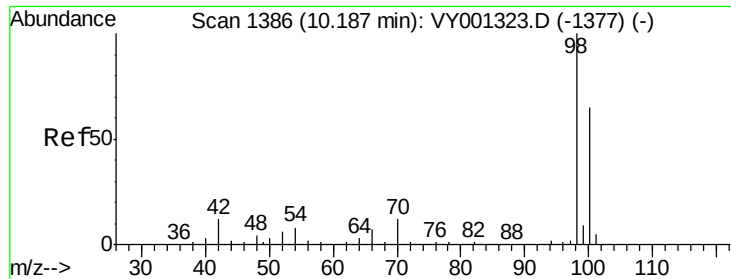
MMDadoda
 1/27/2020 12:01:38 PM



#40
 Benzene
 Concen: 1.443 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.02 min
 Lab File: VY001380.D
 Acq: 24 Jan 2020 14:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	27.8





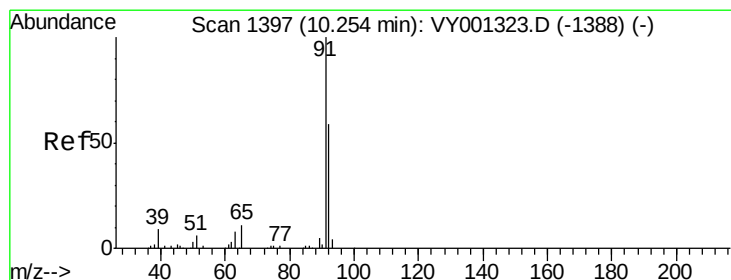
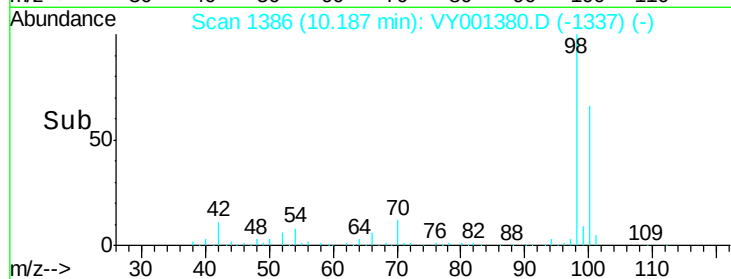
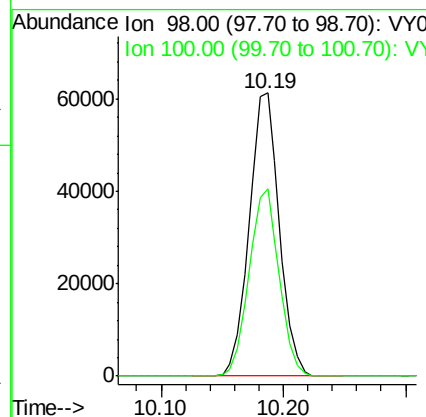
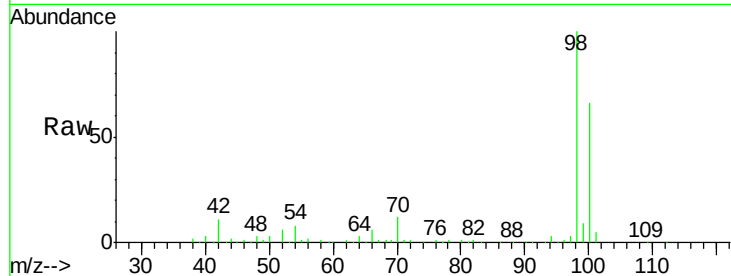
#50
Toluene-d8
Concen: 48.174 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY001380.D
Acq: 24 Jan 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
CLIFTON-POLES

Tot Ion: 98 Resp: 104606
Ion Ratio Lower Upper
98 100
100 65.7 52.6 79.0

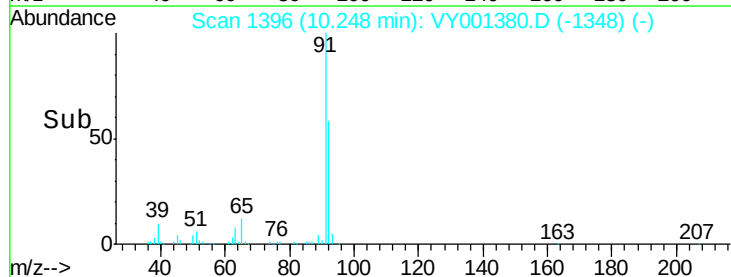
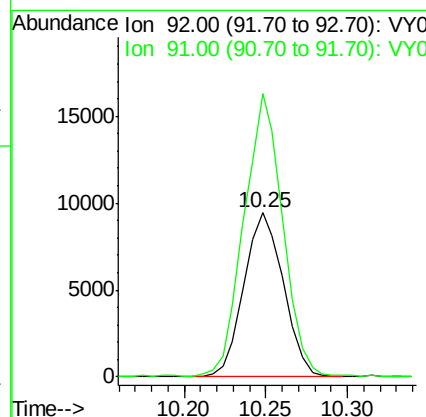
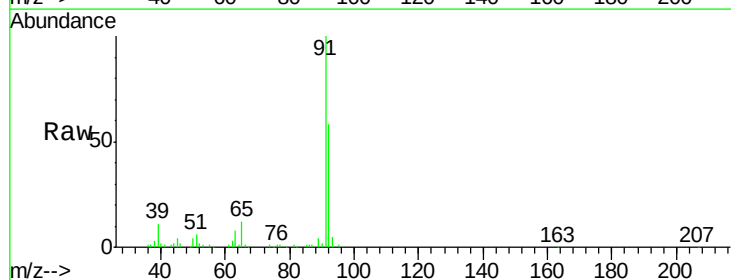
Manual Integrations
APPROVED

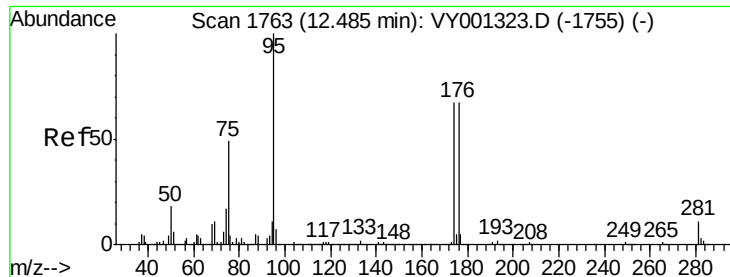
MMDadoda
1/27/2020 12:01:38 PM



#52
Toluene
Concen: 9.289 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY001380.D
Acq: 24 Jan 2020 14:28

Tgt Ion: 92 Resp: 15884
Ion Ratio Lower Upper
92 100
91 170.4 136.4 204.6





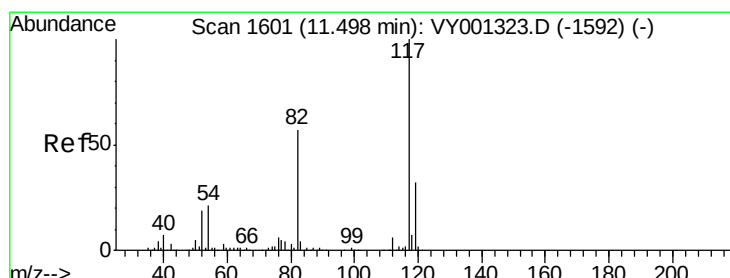
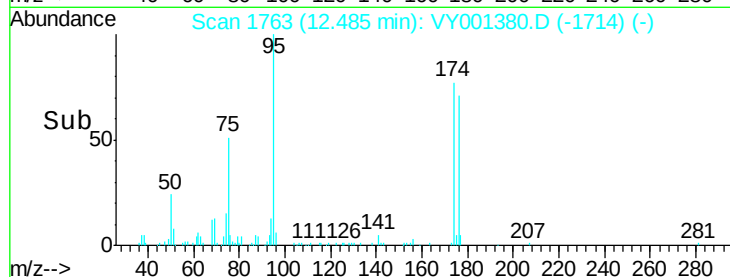
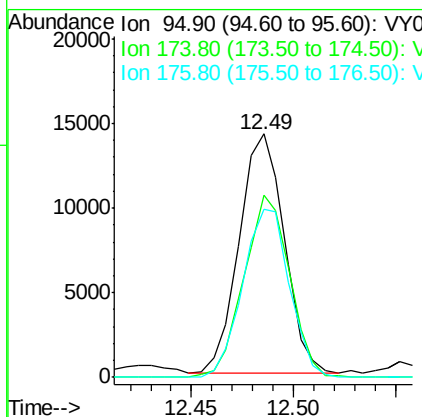
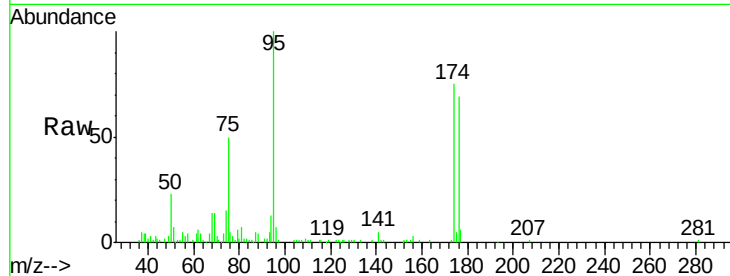
#62
4-Bromofluorobenzene
Concen: 24.997 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY001380.D
Acq: 24 Jan 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
CLIFTON-POLES

Tot Ion	Ratio	Resp	Lower	Upper
95	100	21616		
174	77.1	0.0	142.0	
176	73.2	0.0	138.6	

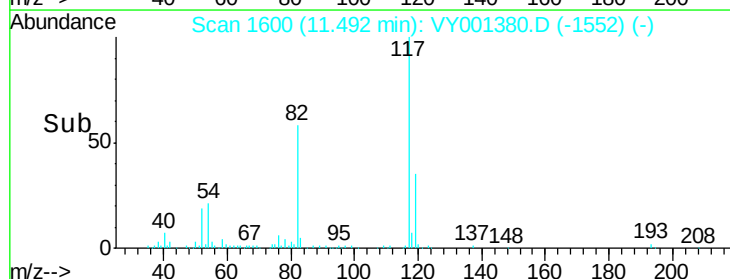
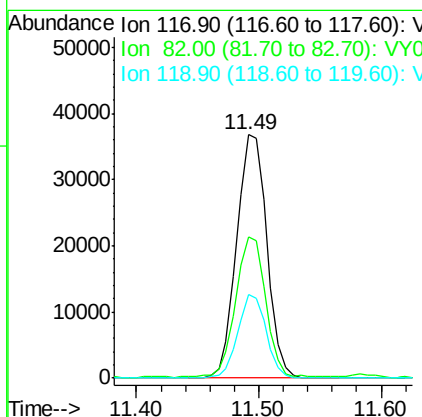
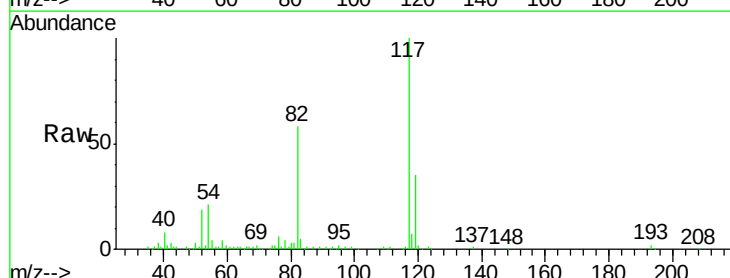
Manual Integrations
APPROVED

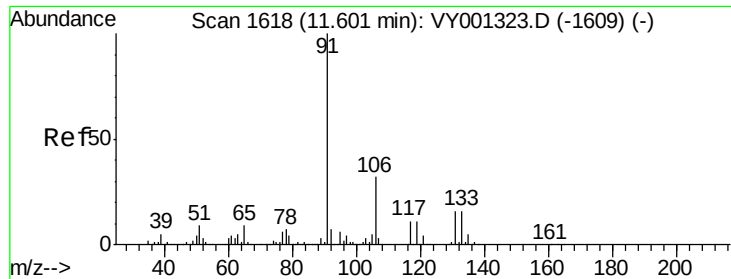
MMDadoda
1/27/2020 12:01:38 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001380.D
Acq: 24 Jan 2020 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62657		
82	57.2	45.5	68.3	
119	34.5	25.8	38.6	





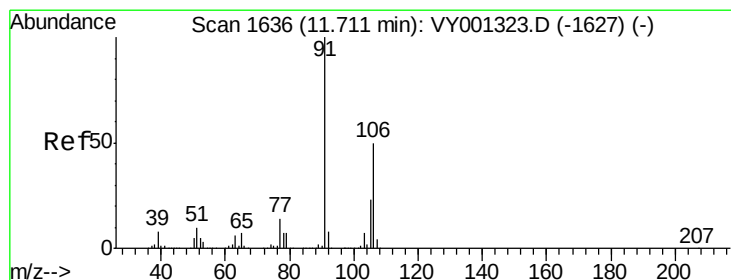
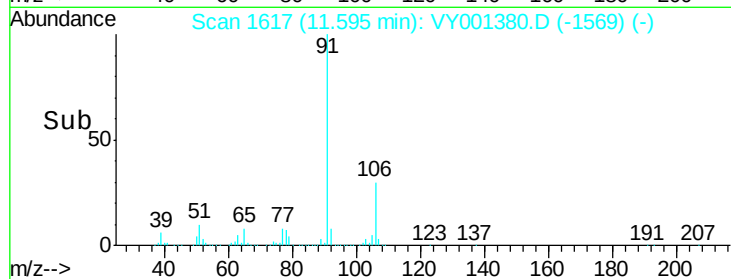
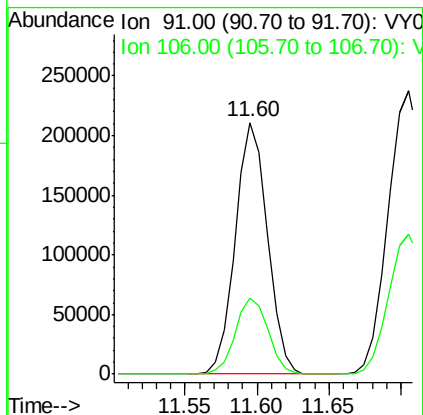
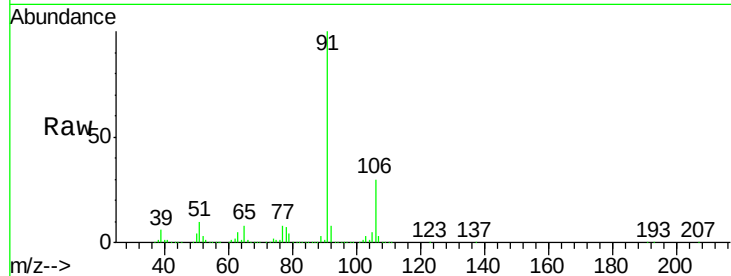
#67
Ethyl Benzene
Concen: 134.252 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001380.D
Acq: 24 Jan 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
CLIFTON-POLES

Tot Ion	91	Resp	326760
Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.0

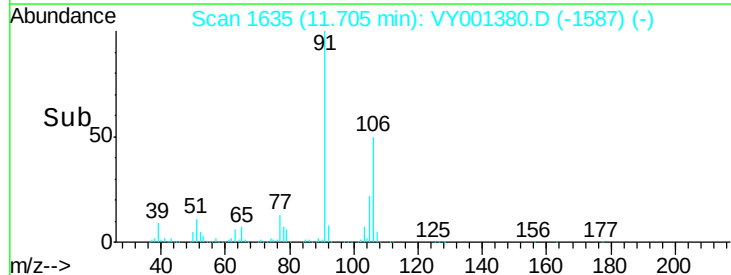
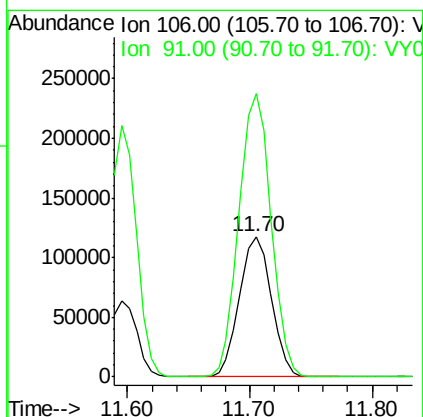
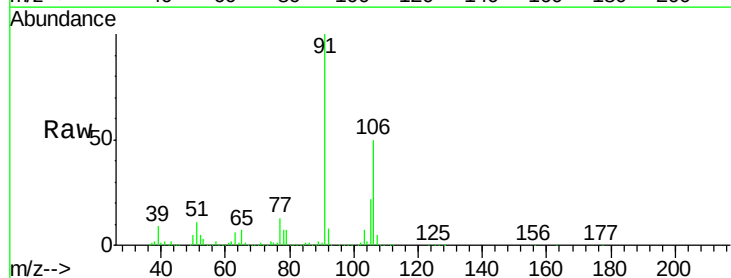
Manual Integrations
APPROVED

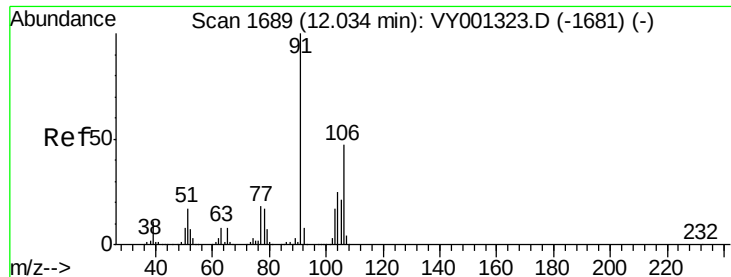
MMDadoda
1/27/2020 12:01:38 PM



#68
m/p-Xylenes
Concen: 236.885 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001380.D
Acq: 24 Jan 2020 14:28

Tgt Ion	106	Resp	215340
Ion	Ratio	Lower	Upper
106	100		
91	201.6	162.8	244.2





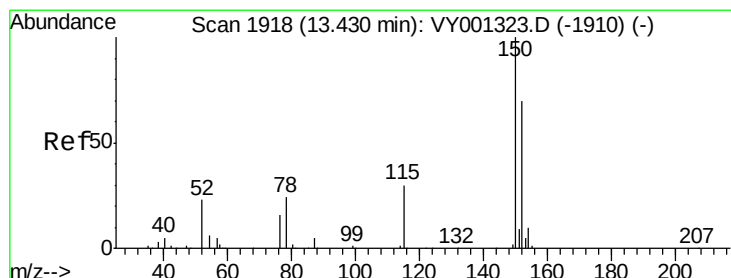
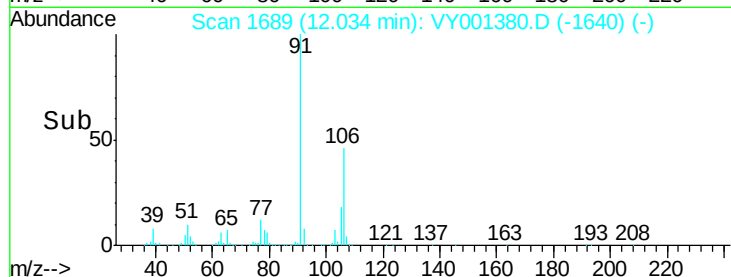
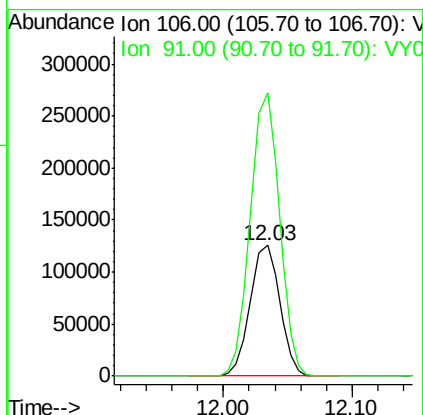
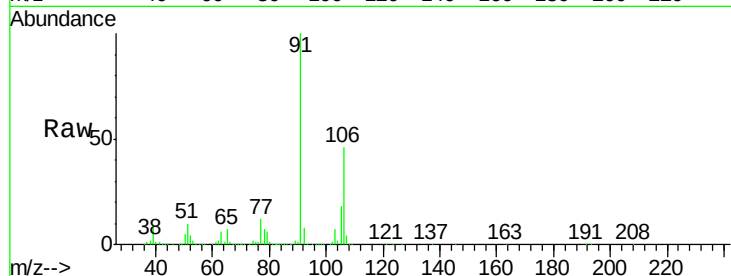
#69
o-Xylene
Concen: 228.511 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY001380.D
Acq: 24 Jan 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
CLIFTON-POLES

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	214.0	106.3	199834	319.0	

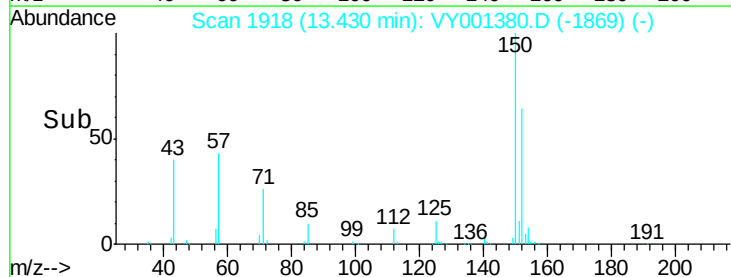
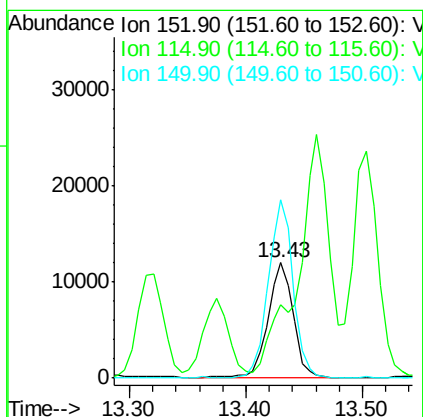
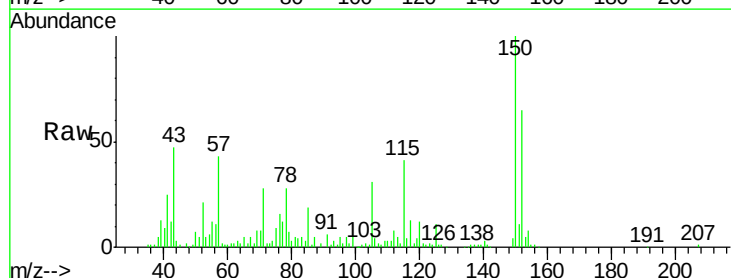
Manual Integrations
APPROVED

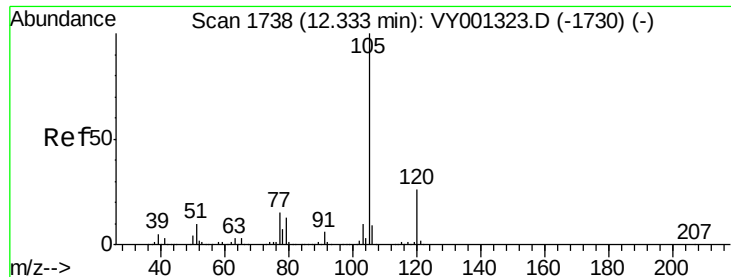
MMDadoda
1/27/2020 12:01:38 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001380.D
Acq: 24 Jan 2020 14:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	0.0	30.9	18342	92.8#	
150	150.0	0.0	349.2		





#73

Isopropylbenzene

Concen: 135.068 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY001380.D

Acq: 24 Jan 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

CLIFTON-POLES

Tot Ion:105 Resp: 195488

Ion Ratio Lower Upper

105 100

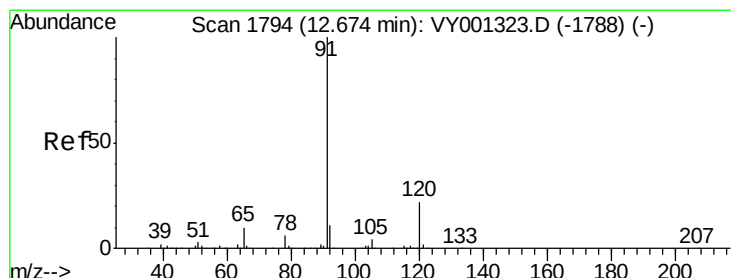
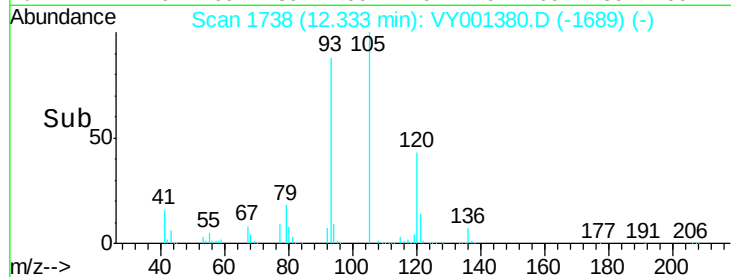
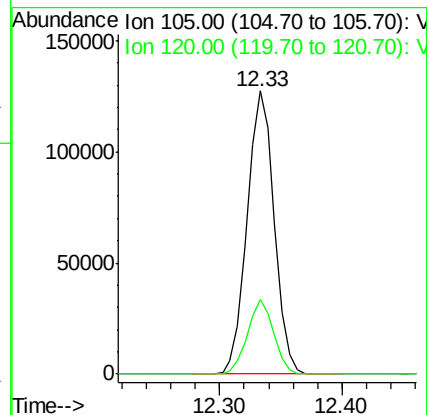
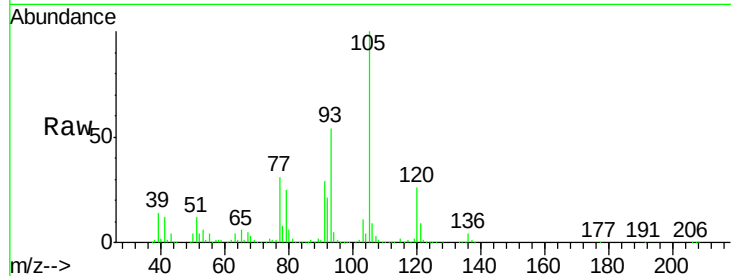
120 25.3 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

1/27/2020 12:01:38 PM



#78

n-propylbenzene

Concen: 38.331 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY001380.D

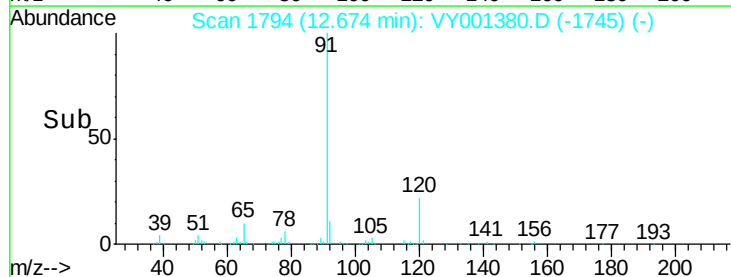
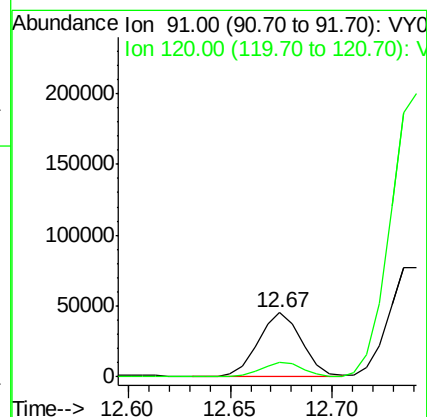
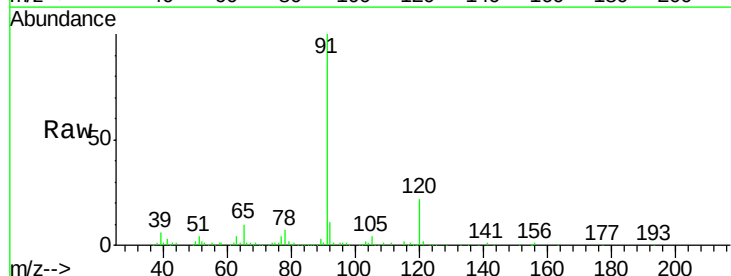
Acq: 24 Jan 2020 14:28

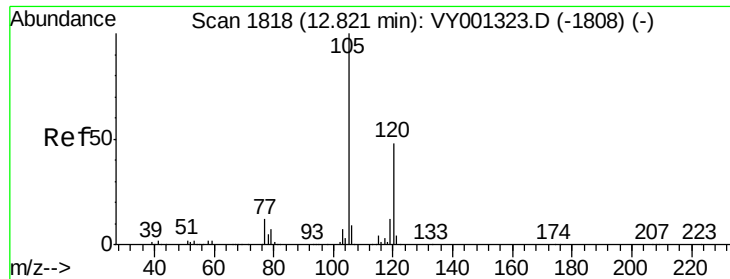
Tgt Ion: 91 Resp: 66776

Ion Ratio Lower Upper

91 100

120 0.0 11.3 33.8#





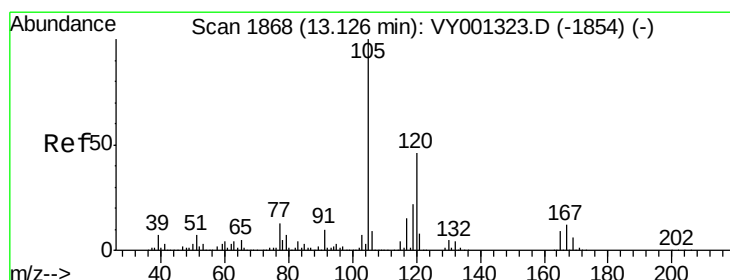
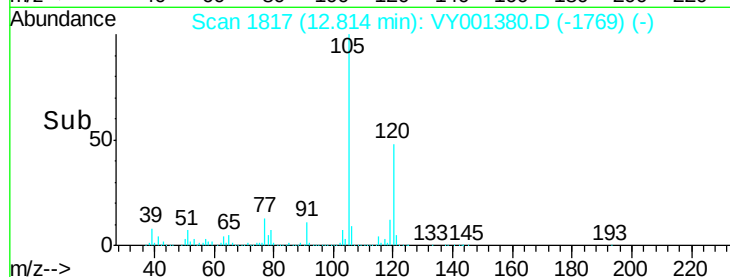
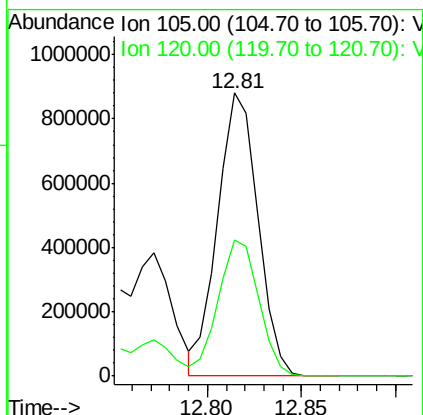
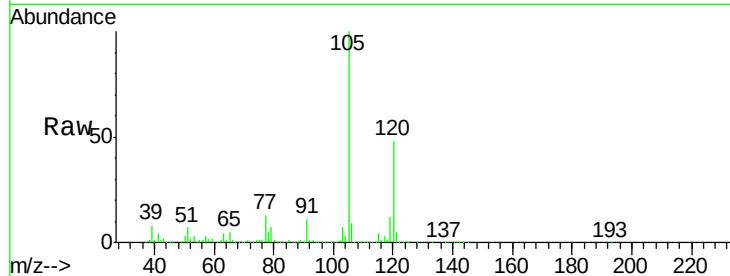
#80
 1,3,5-Trimethylbenzene
 Concen: 1080.579 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY001380.D
 Acq: 24 Jan 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLIFTON-POLES

Tot Ion:105 Resp: 1305477
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.9

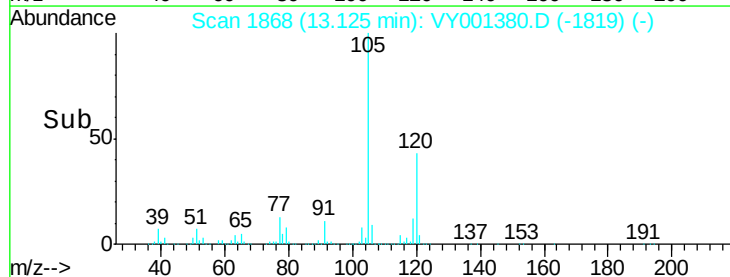
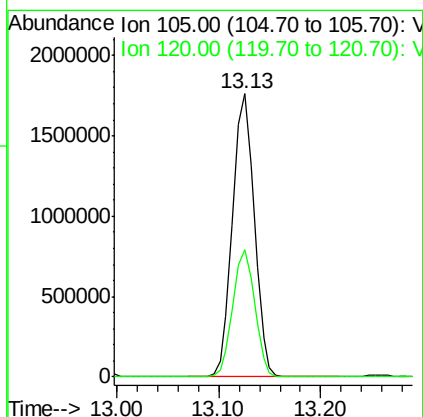
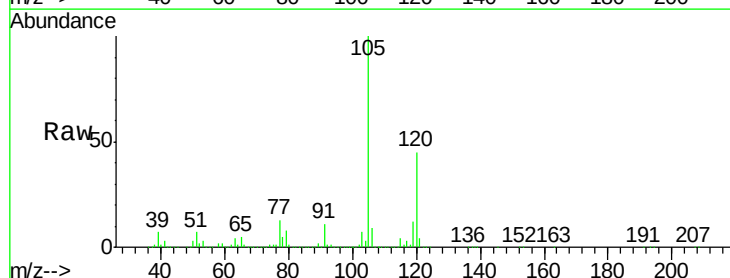
Manual Integrations
 APPROVED

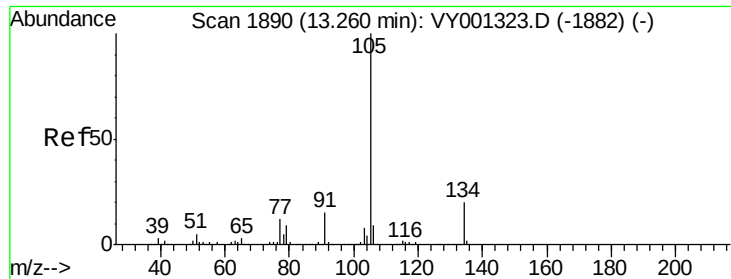
MMDadoda
 1/27/2020 12:01:38 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 2138.529 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY001380.D
 Acq: 24 Jan 2020 14:28

Tgt Ion:105 Resp: 2593874
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.4 67.3





#85

sec-Butylbenzene

Concen: 13.432 ug/l m

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001380.D

Acq: 24 Jan 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

CLIFTON-POLES

Tot Ion:105 Resp: 19434

Ion Ratio Lower Upper

105 100

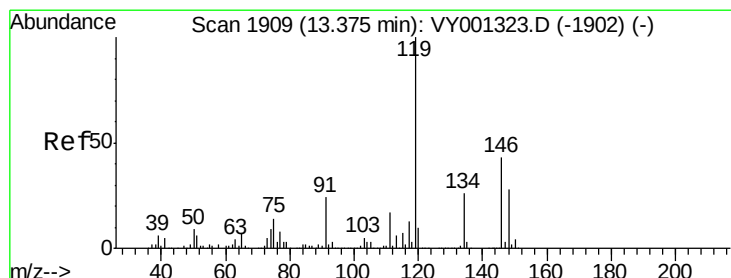
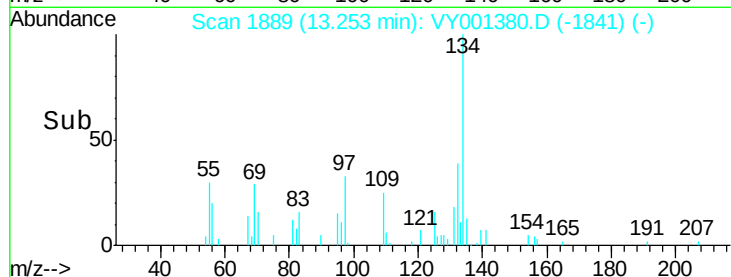
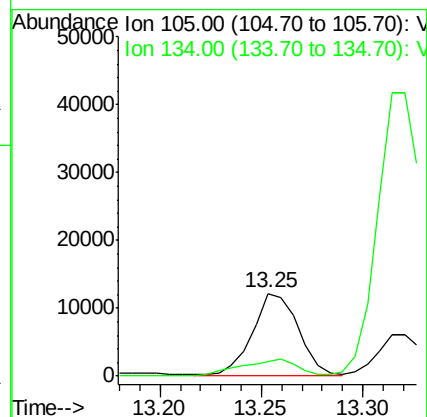
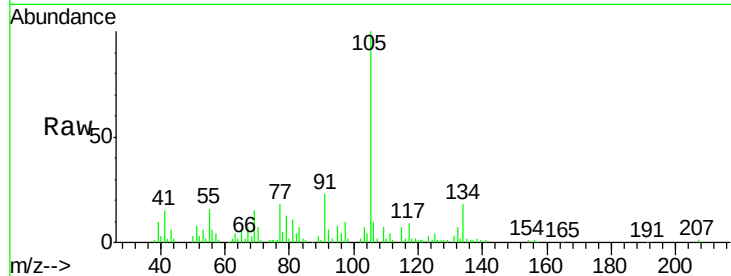
134 0.0 9.8 29.4#

Manual Integrations

APPROVED

MMDadoda

1/27/2020 12:01:38 PM



#86

p-Isopropyltoluene

Concen: 126.200 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001380.D

Acq: 24 Jan 2020 14:28

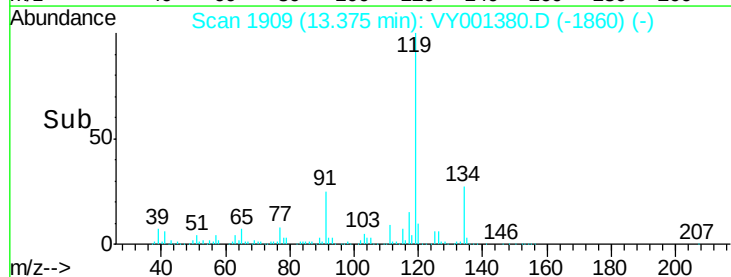
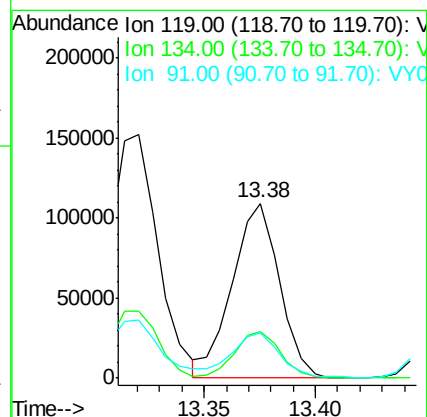
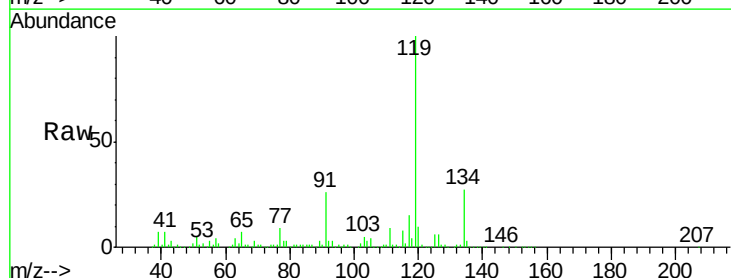
Tgt Ion:119 Resp: 160910

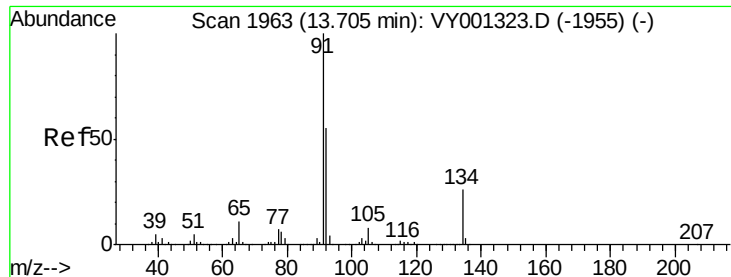
Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.4

91 24.9 12.2 36.6





#89

n-Butylbenzene

Concen: 21.684 ug/l m

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY001380.D

Acq: 24 Jan 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

CLIFTON-POLES

Tot Ion: 91 Resp: 27826

Ion Ratio Lower Upper

91 100

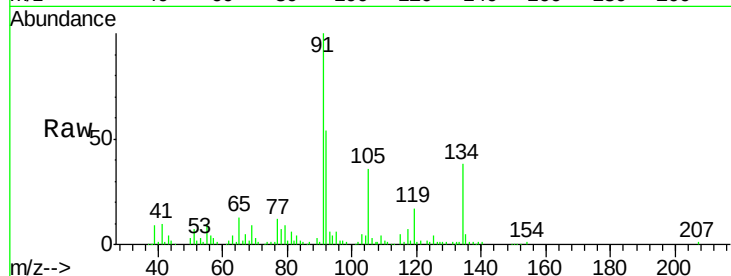
92 499.0 27.6 82.8#

134 0.0 12.9 38.6#

Manual Integrations
APPROVED

MMDadoda

1/27/2020 12:01:38 PM



Abundance Ion 91.00 (90.70 to 91.70): VY001323.D (-1955) (-)

Ion 92.00 (91.70 to 92.70): VY001323.D (-1955) (-)

Ion 134.00 (133.70 to 134.70): VY001323.D (-1955) (-)

Time-->

13.68 13.70 13.72

150000

100000

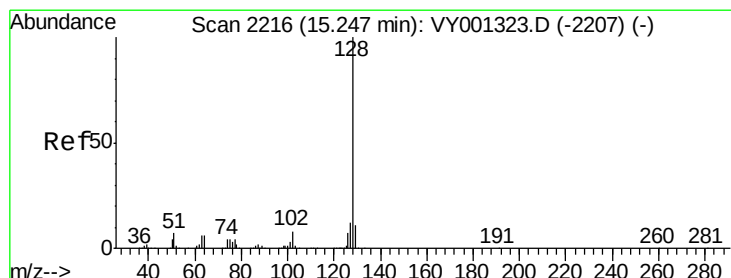
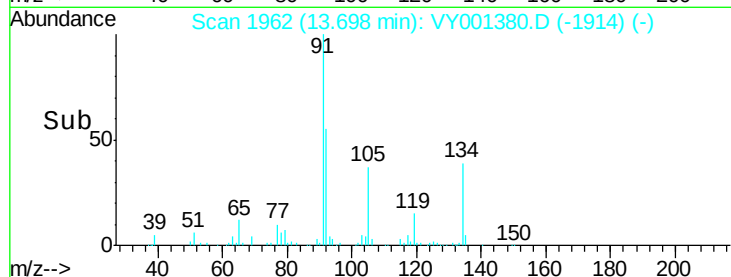
50000

0

13.68 13.70 13.72

13.70

Time-->



#95

Naphthalene

Concen: 27144.897 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001380.D

Acq: 24 Jan 2020 14:28

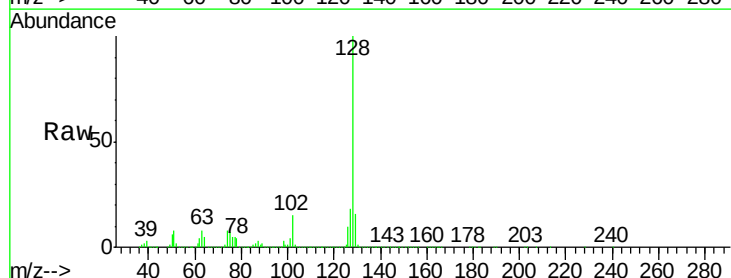
Tgt Ion: 128 Resp: 23719673

Ion Ratio Lower Upper

128 100

127 17.6 10.2 15.2#

129 15.1 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VY001323.D (-2207) (-)

Ion 127.00 (126.70 to 127.70): VY001323.D (-2207) (-)

Ion 129.00 (128.70 to 129.70): VY001323.D (-2207) (-)

Time-->

15.20 15.24 15.28

1e+07

8000000

6000000

4000000

2000000

0

15.20 15.24 15.28

Time-->

