

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001232.D
 Acq On : 15 Jan 2020 20:28
 Operator : SY/MD
 Sample : L1123-07
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-2.5-3.0

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:30 AM

Quant Time: Jan 16 09:24:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	163240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	332057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	261536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	132027	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	99334	57.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.22%	
35) Dibromofluoromethane	7.73	113	87575	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
50) Toluene-d8	10.18	98	628960	83.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.92%	
62) 4-Bromofluorobenzene	12.48	95	210254	68.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.30%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.21	76	5603	1.037	ug/l	98
31) Cyclohexane	7.78	56	381210m	114.323	ug/l	
39) Methylcyclohexane	9.19	83	2211616	539.012	ug/l #	64
40) Benzene	8.17	78	17635	1.996	ug/l	92
52) Toluene	10.25	92	26162	4.643	ug/l	86
67) Ethyl Benzene	11.60	91	107895	11.286	ug/l	99
68) m/p-Xylenes	11.70	106	103140	28.600	ug/l	93
69) o-Xylene	12.03	106	20213	5.846	ug/l	48
73) Isopropylbenzene	12.33	105	3227403	325.165	ug/l	99
76) 1,2,3-Trichloropropane	12.67	75	68238	48.281	ug/l #	100
78) n-propylbenzene	12.67	91	10359436	867.711	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	10930m	1.320	ug/l	
84) 1,2,4-Trimethylbenzene	13.12	105	62239m	7.568	ug/l	
85) sec-Butylbenzene	13.25	105	3355021	335.140	ug/l #	52
86) p-Isopropyltoluene	13.37	119	46045m	5.298	ug/l	
89) n-Butylbenzene	13.70	91	4050527	462.696	ug/l #	85
95) Naphthalene	15.23	128	175564	29.692	ug/l #	61

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

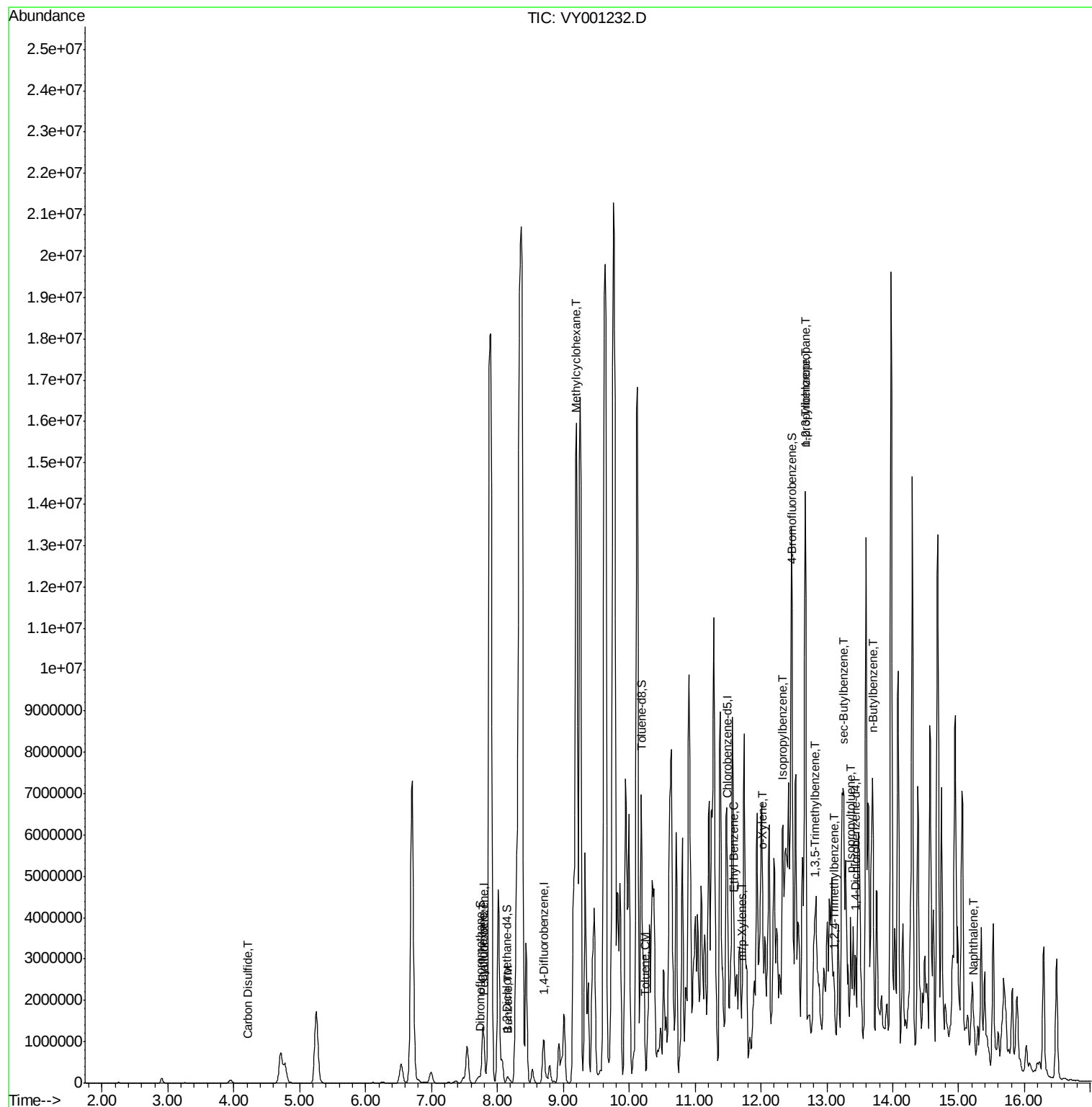
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
Data File : VY001232.D
Acq On : 15 Jan 2020 20:28
Operator : SY/MD
Sample : L1123-07
Misc : 5.03G/5ML/MSVOA Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

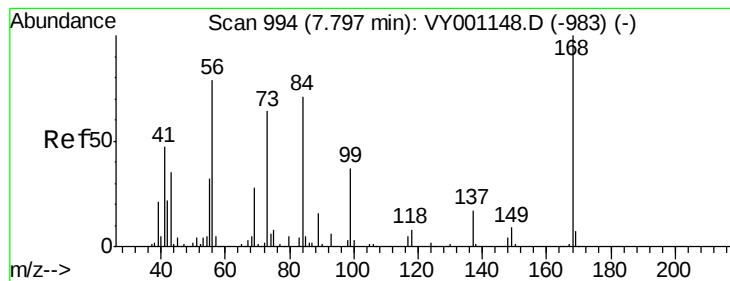
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-2.5-3.0

Quant Time: Jan 16 09:24:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:30 AM





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001232.D

Acq: 15 Jan 2020 20:28

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-2.5-3.0

Tot Ion:168 Resp: 163240

Ion Ratio Lower Upper

168 100

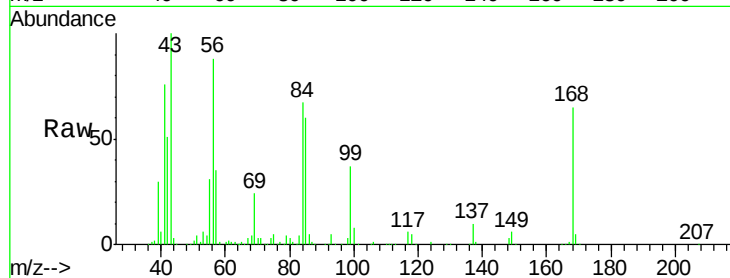
99 56.4 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

1/16/2020 9:36:30 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

60000

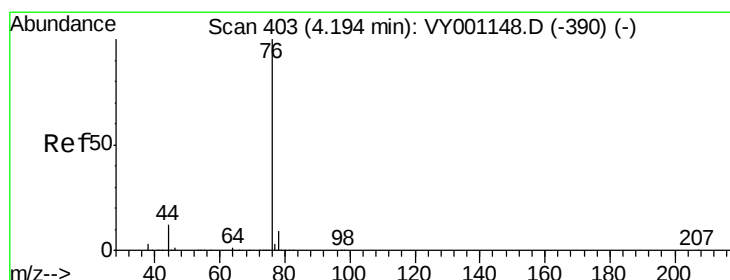
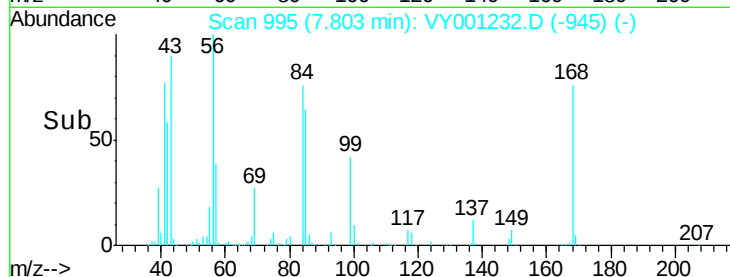
40000

20000

0

7.70 7.80 7.90

Time-->



#17

Carbon Disulfide

Concen: 1.037 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY001232.D

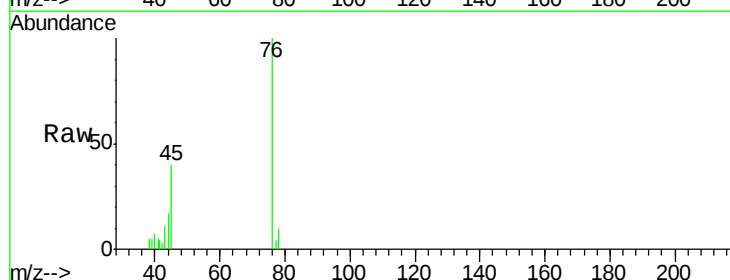
Acq: 15 Jan 2020 20:28

Tgt Ion: 76 Resp: 5603

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

2500

2000

1500

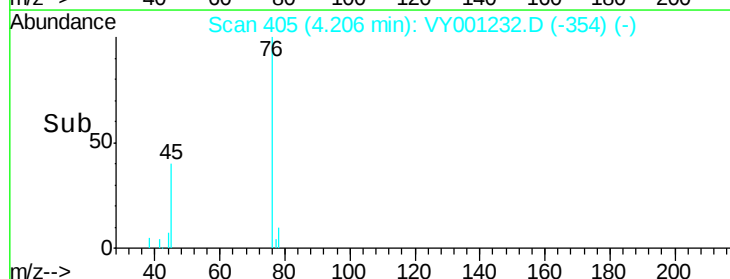
1000

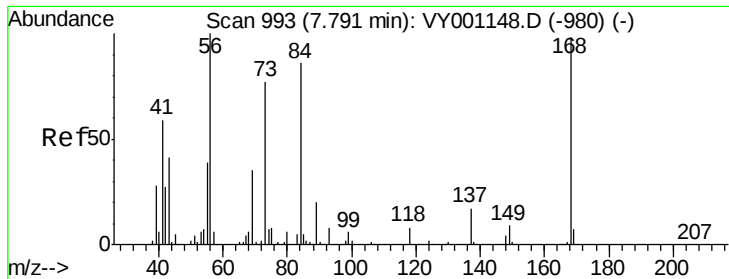
500

0

4.10 4.15 4.20 4.25 4.30

Time-->





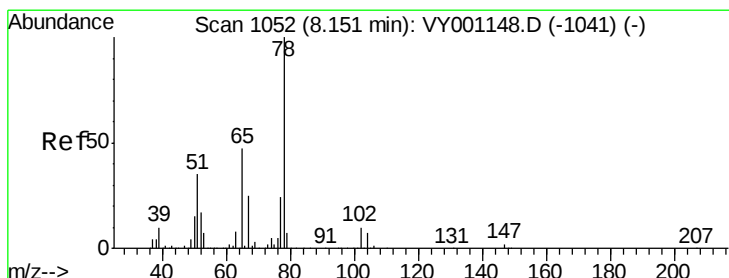
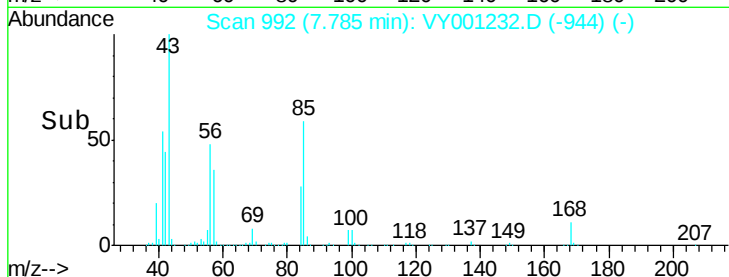
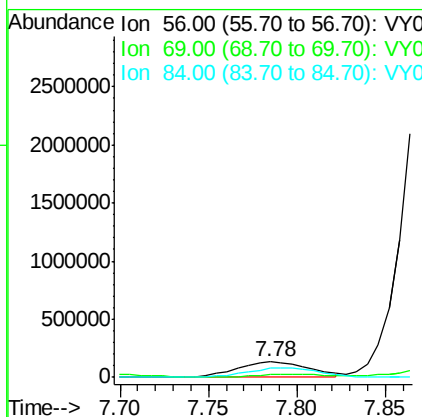
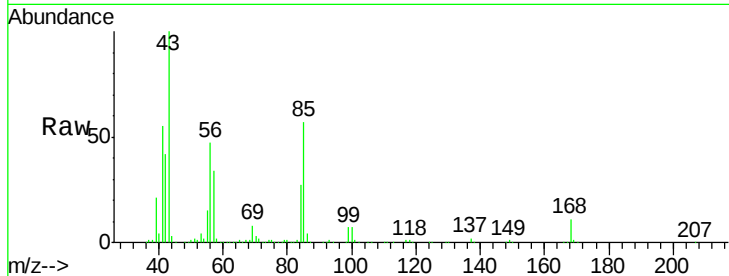
#31
Cyclohexane
Concen: 114.323 ug/l m
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-2.5-3.0

Tot Ion	Ratio	Lower	Upper
56	100		
69	17.5	27.8	41.8#
84	57.7	68.9	103.3#

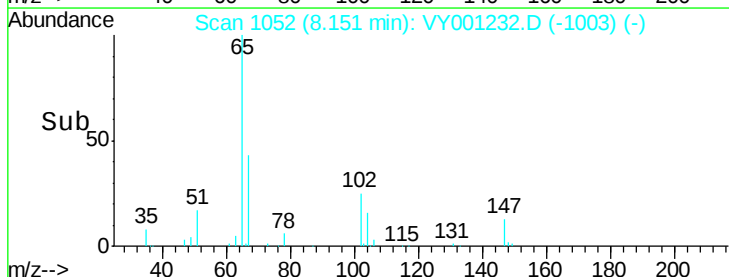
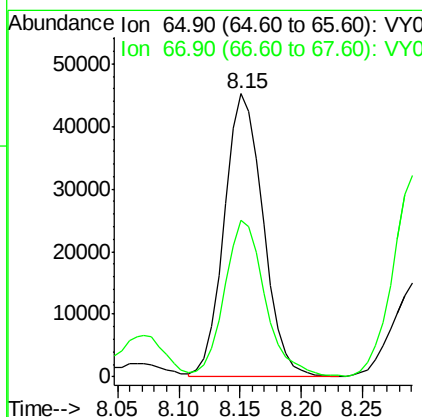
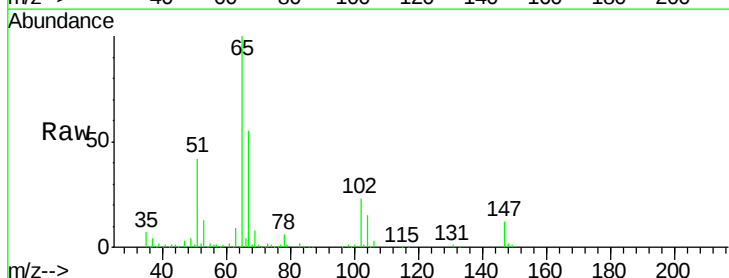
Manual Integrations
APPROVED

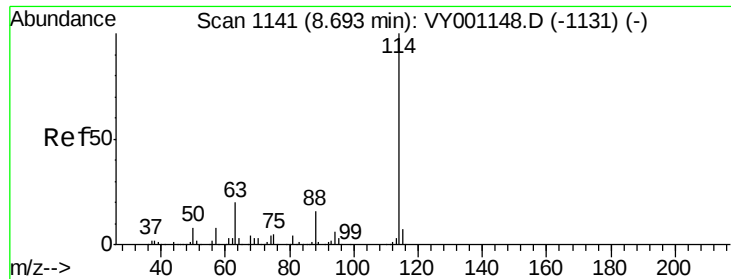
MMDadoda
1/16/2020 9:36:30 AM



#33
1,2-Dichloroethane-d4
Concen: 57.615 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Tgt Ion	Ratio	Lower	Upper
65	100		
67	57.2	0.0	105.2





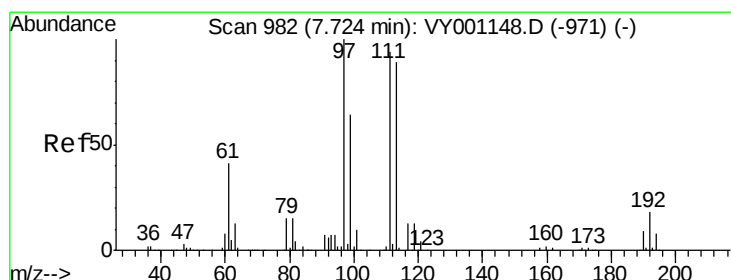
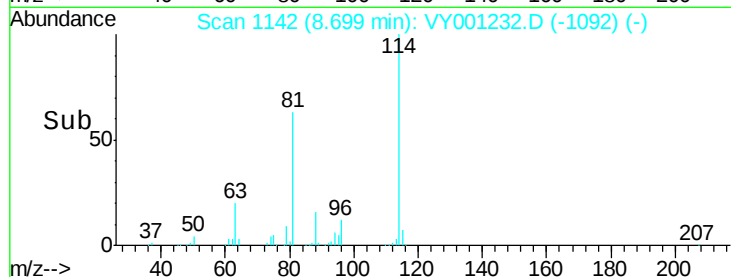
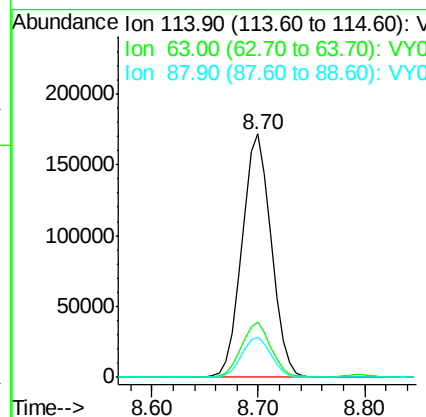
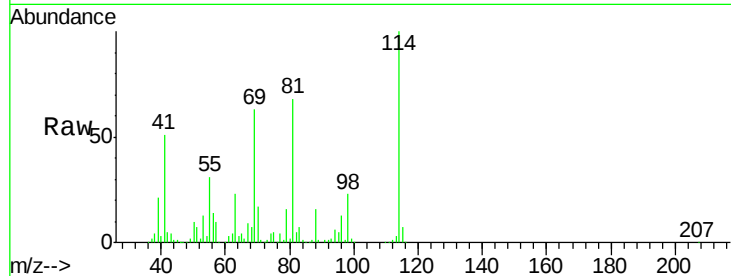
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001232.D
 Acq: 15 Jan 2020 20:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-2.5-3.0

Tot Ion	Ratio	Resp	Lower	Upper
114	100	332057		
63	22.9	0.0	40.8	
88	16.3	0.0	32.4	

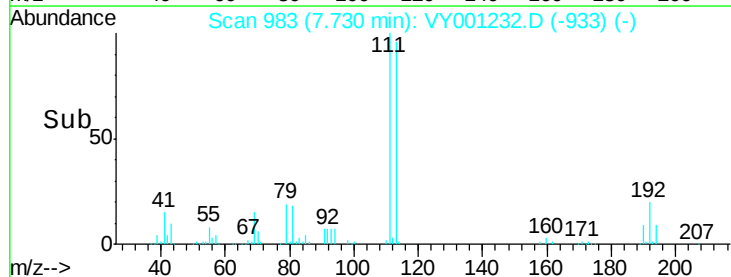
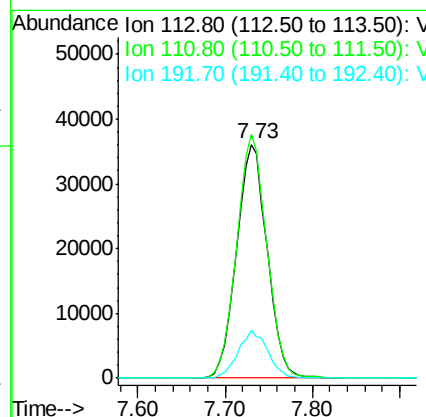
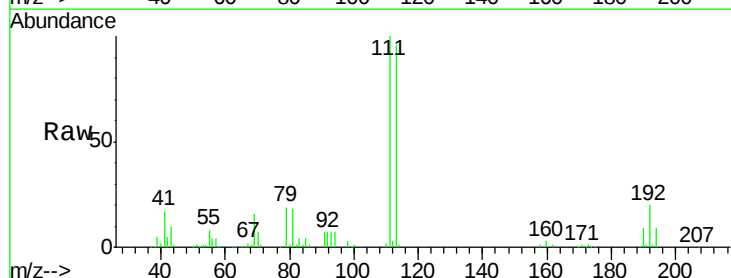
Manual Integrations
 APPROVED

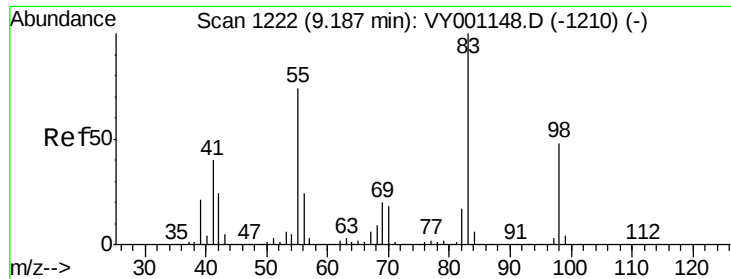
MMDadoda
 1/16/2020 9:36:30 AM



#35
 Dibromofluoromethane
 Concen: 45.044 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001232.D
 Acq: 15 Jan 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	87575		
111	102.8	82.9	124.3	
192	19.6	15.4	23.2	





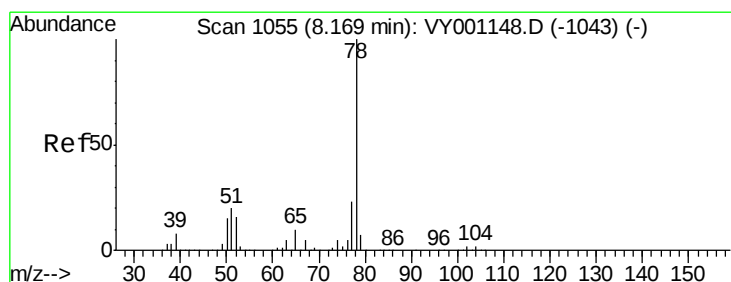
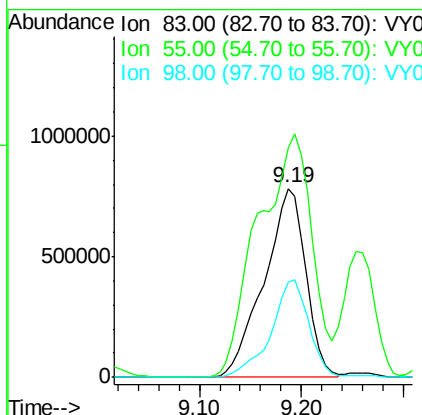
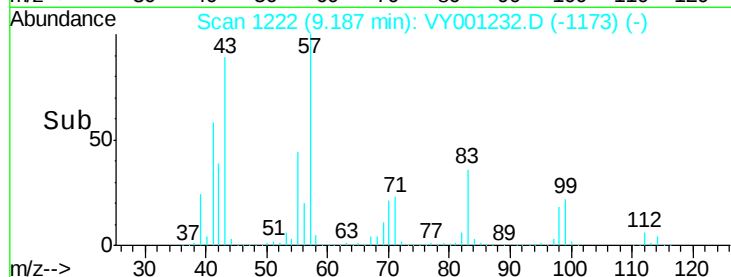
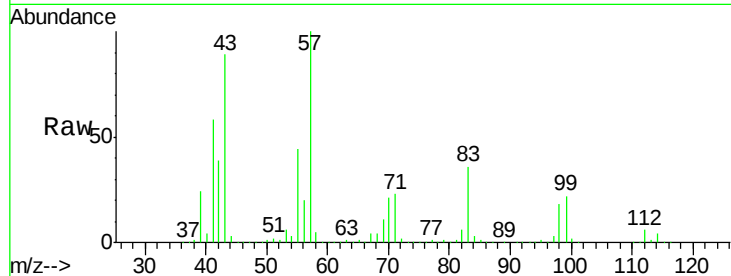
#39
Methvlcvclohexane
Concen: 539.012 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-2.5-3.0

Tot Ion: 83 Resp: 2211616
Ion Ratio Lower Upper
83 100
55 121.8 58.9 88.3#
98 50.4 38.4 57.6

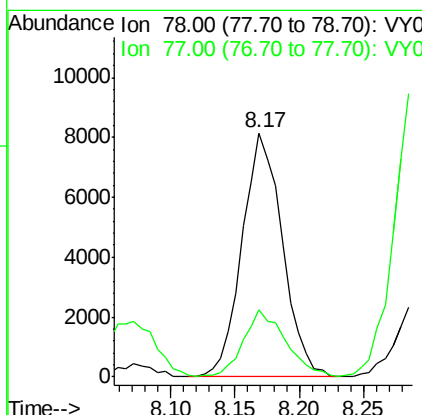
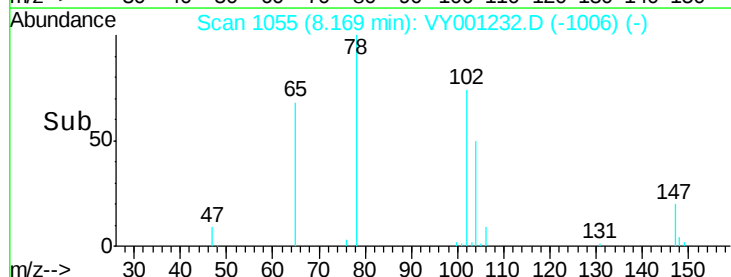
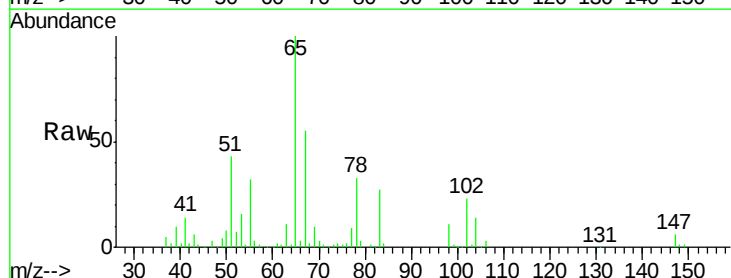
Manual Integrations
APPROVED

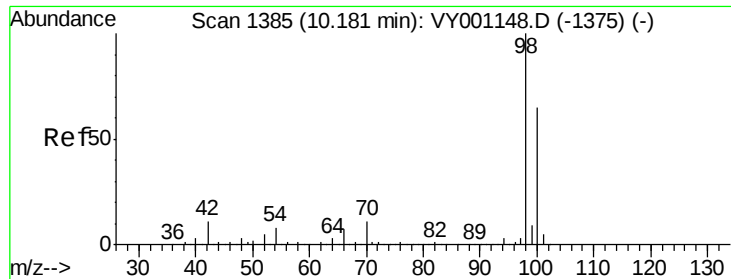
MMDadoda
1/16/2020 9:36:30 AM



#40
Benzene
Concen: 1.996 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Tgt Ion: 78 Resp: 17635
Ion Ratio Lower Upper
78 100
77 27.4 18.8 28.2





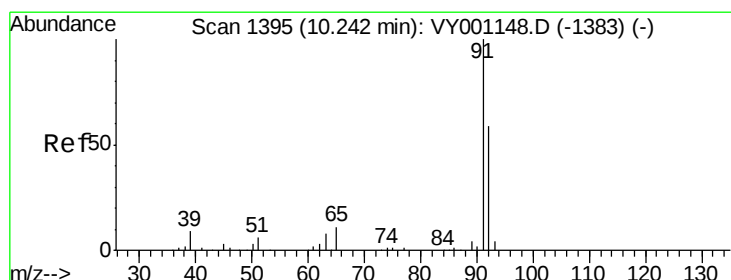
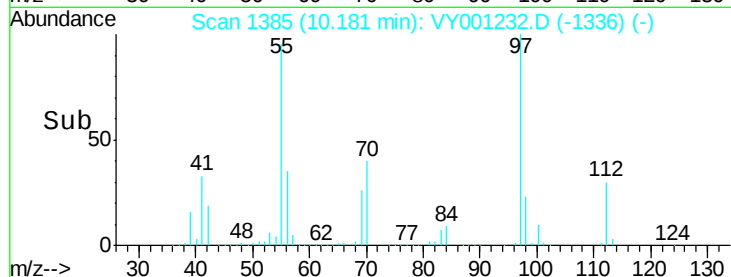
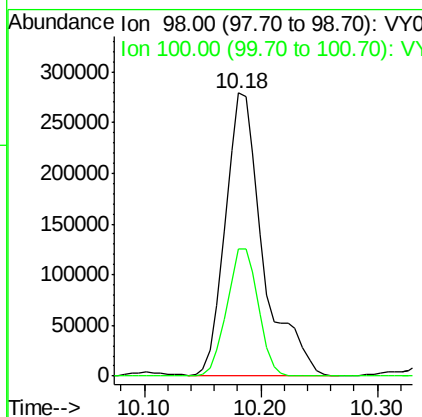
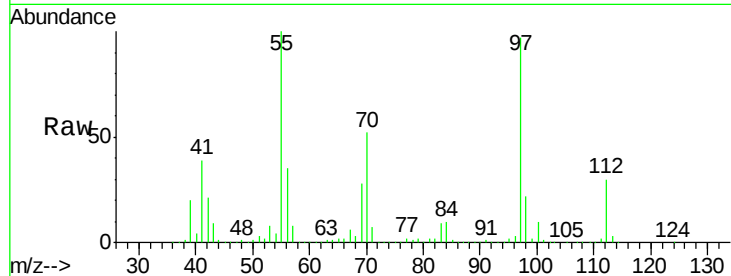
#50
Toluene-d8
Concen: 83.959 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-2.5-3.0

Tot Ion: 98 Resp: 628960
Ion Ratio Lower Upper
98 100
100 37.5 53.1 79.7#

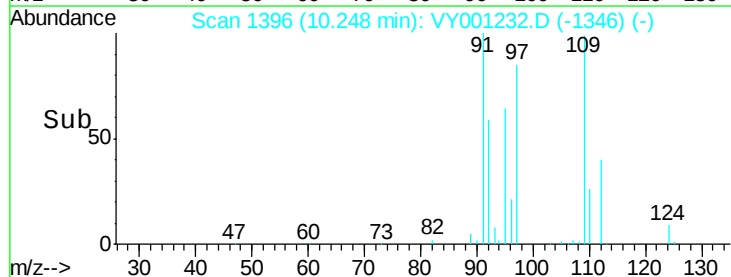
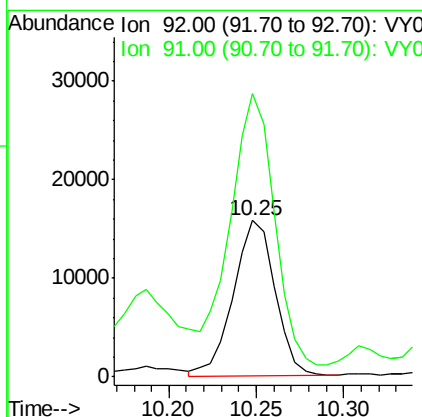
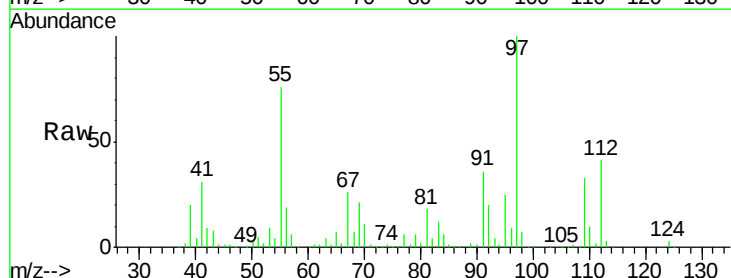
Manual Integrations
APPROVED

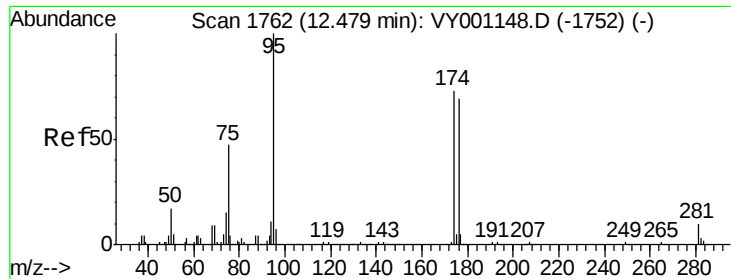
MMDadoda
1/16/2020 9:36:30 AM



#52
Toluene
Concen: 4.643 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Tgt Ion: 92 Resp: 26162
Ion Ratio Lower Upper
92 100
91 189.3 136.6 204.8





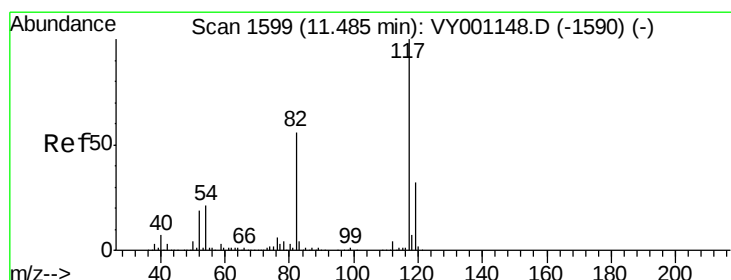
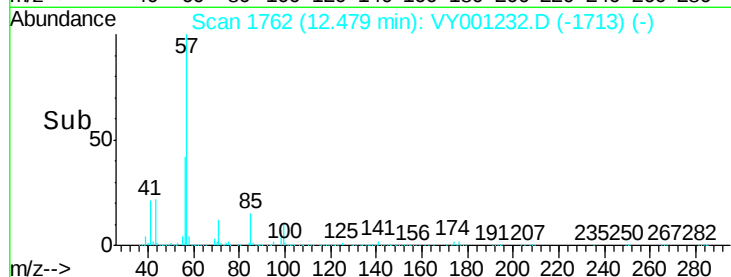
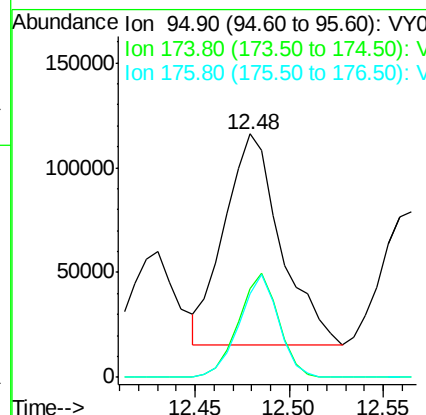
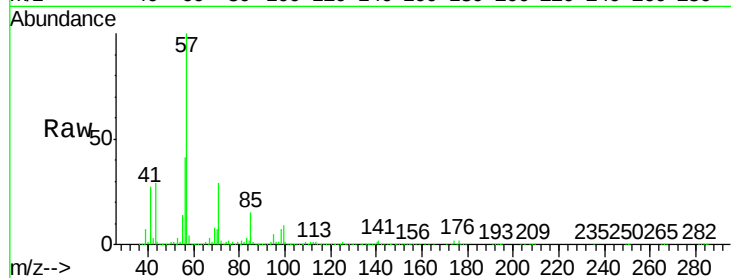
#62
4-Bromofluorobenzene
Concen: 68.651 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-2.5-3.0

Tot Ion	Ratio	Resp	Lower	Upper
95	100	210254		
174	34.9	0.0	143.2	
176	33.6	0.0	136.0	

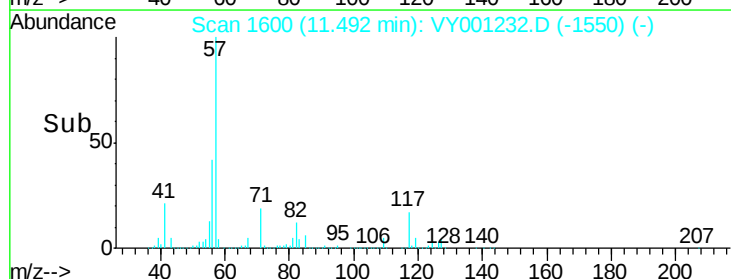
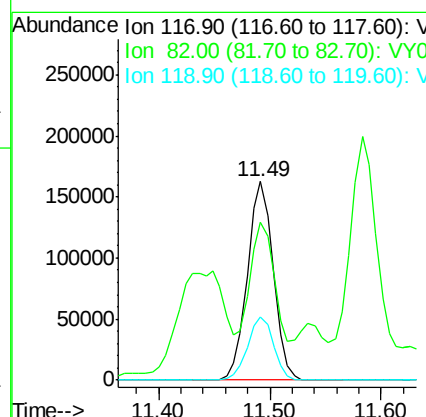
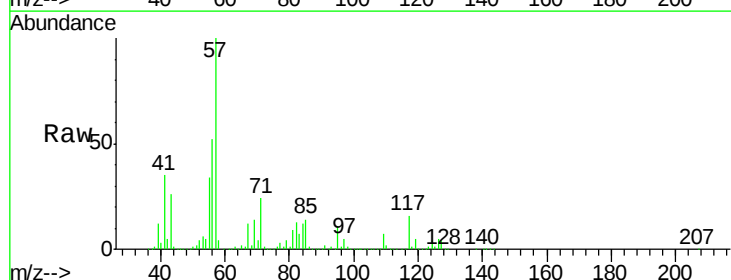
Manual Integrations
APPROVED

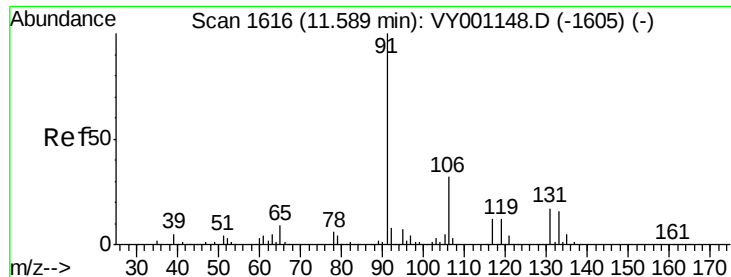
MMDadoda
1/16/2020 9:36:30 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	261536		
82	45.0	44.9	67.3	
119	31.8	25.7	38.5	





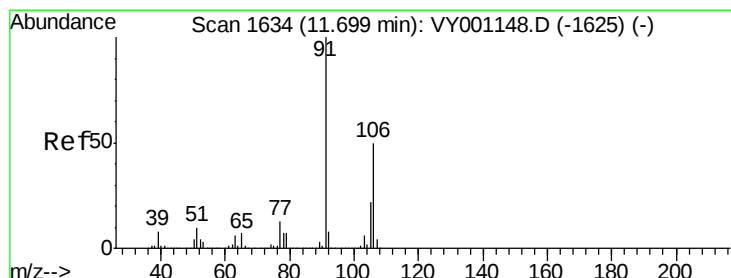
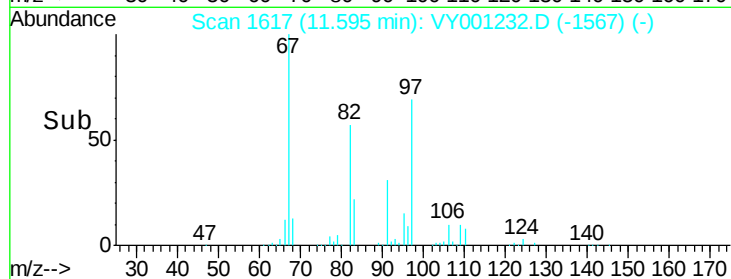
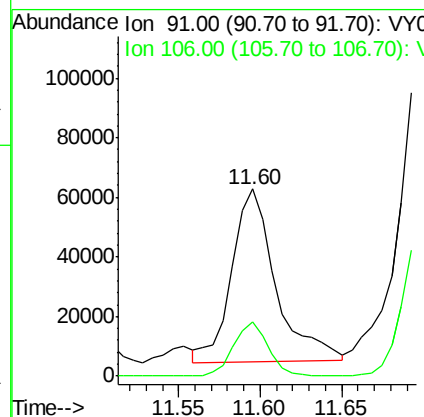
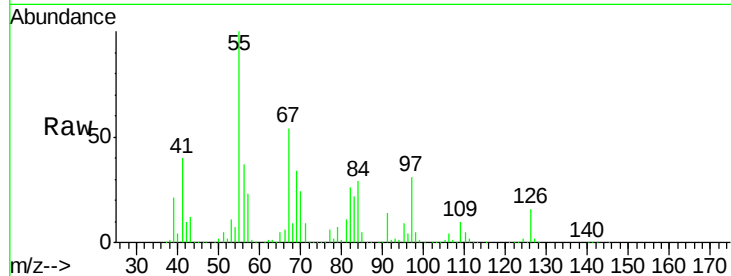
#67
Ethyl Benzene
Concen: 11.286 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Instrument :
MSVOA_Y
ClientSampled :
SB-04-2.5-3.0

Tot Ion: 91 Resp: 107895
Ion Ratio Lower Upper
91 100
106 32.1 25.3 37.9

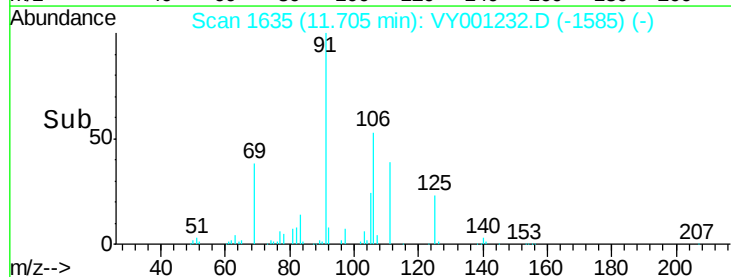
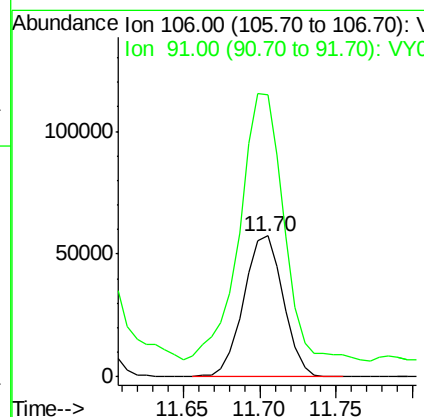
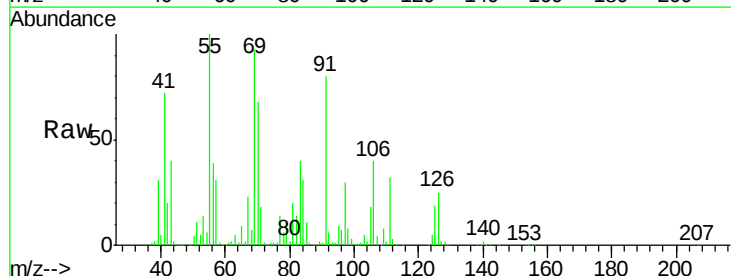
Manual Integrations
APPROVED

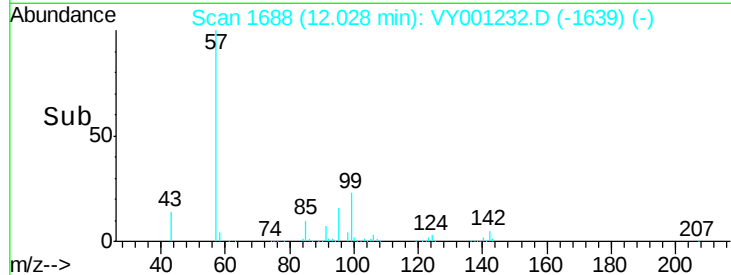
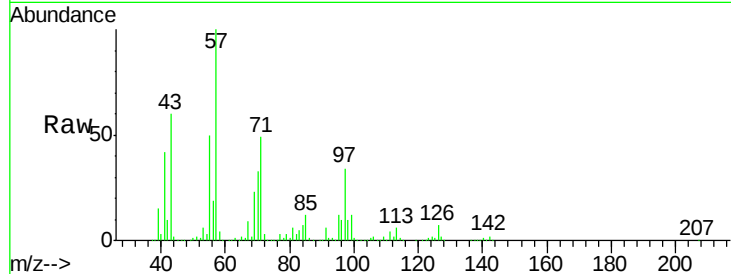
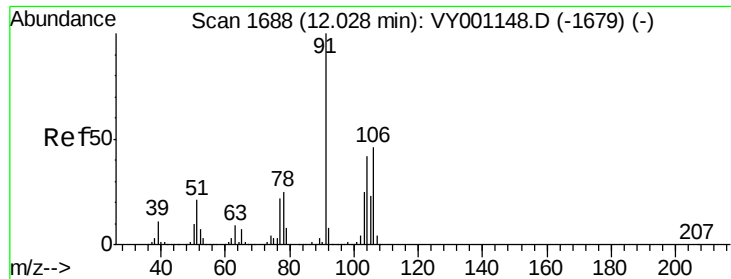
MMDadoda
1/16/2020 9:36:30 AM



#68
m/p-Xylenes
Concen: 28.600 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Tgt Ion: 106 Resp: 103140
Ion Ratio Lower Upper
106 100
91 212.7 161.4 242.2





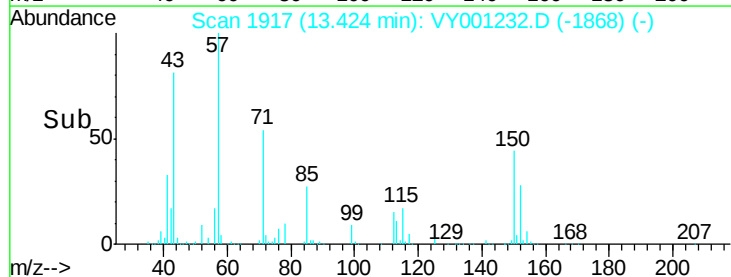
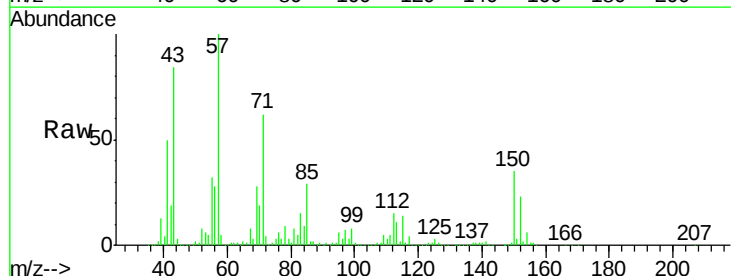
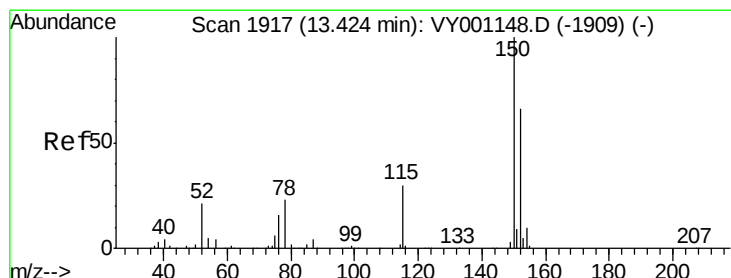
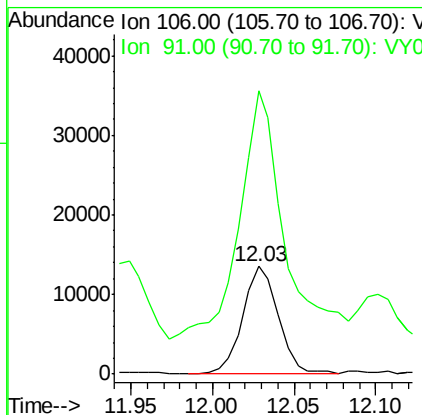
#69
o-Xylene
Concen: 5.846 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Tot Ion:106 Resp: 20213
Ion Ratio Lower Upper
106 100
91 293.7 106.3 318.8

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-2.5-3.0

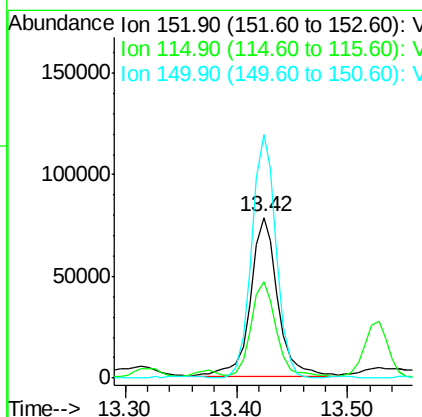
Manual Integrations
APPROVED

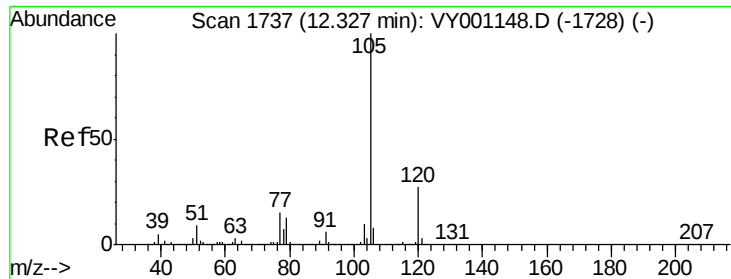
MMDadoda
1/16/2020 9:36:30 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Tgt Ion:152 Resp: 132027
Ion Ratio Lower Upper
152 100
115 54.3 30.9 92.5
150 137.5 0.0 346.8





#73

Isopropylbenzene

Concen: 325.165 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY001232.D

Acq: 15 Jan 2020 20:28

Instrument :

MSVOA_Y

ClientSampled :

SB-04-2.5-3.0

Tot Ion:105 Resp: 3227403

Ion Ratio Lower Upper

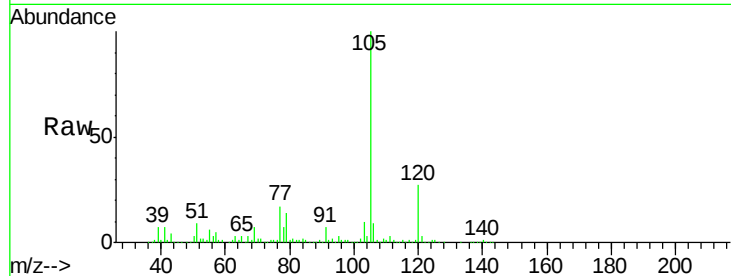
105 100

120 27.1 13.4 40.2

Manual Integrations
APPROVED

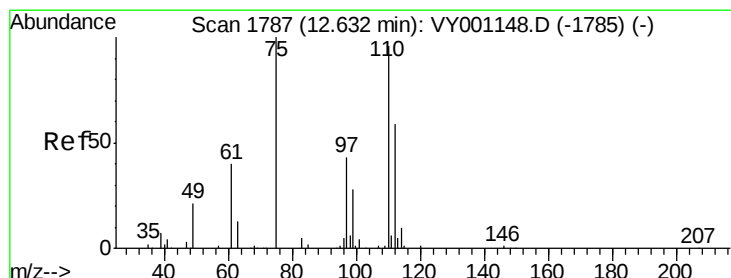
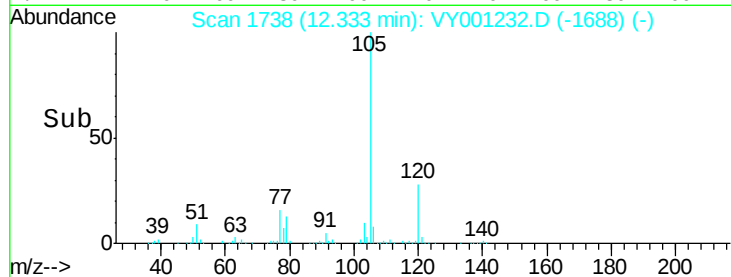
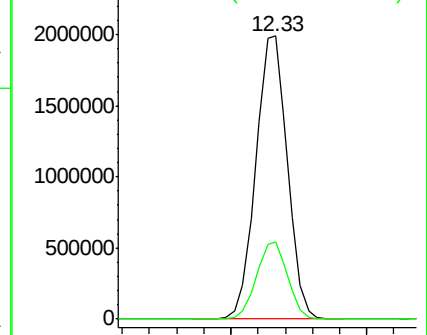
MMDadoda

1/16/2020 9:36:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 48.281 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.04 min

Lab File: VY001232.D

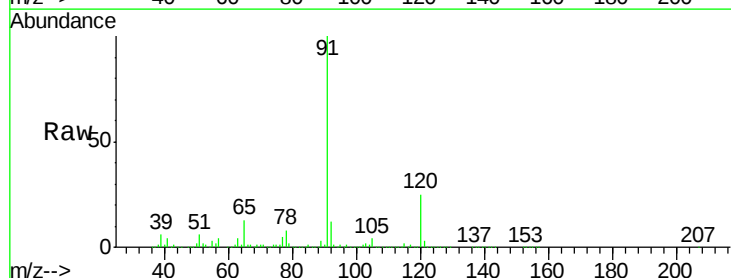
Acq: 15 Jan 2020 20:28

Tgt Ion: 75 Resp: 68238

Ion Ratio Lower Upper

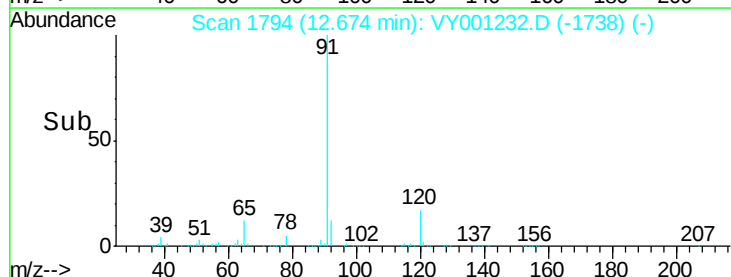
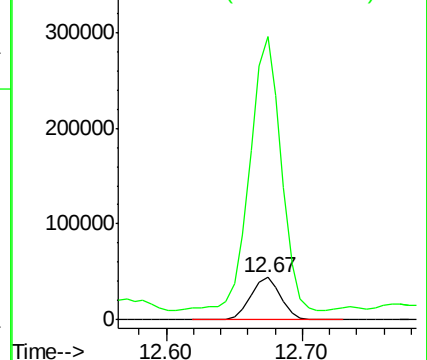
75 100

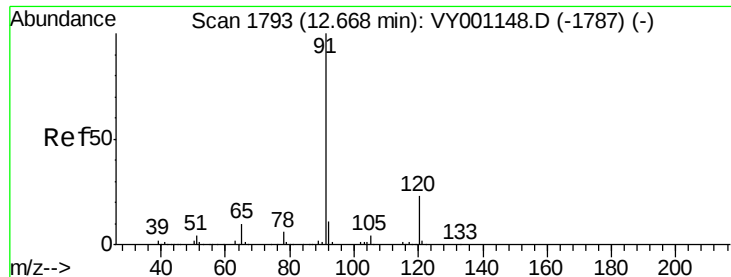
77 672.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#78

n-propylbenzene

Concen: 867.711 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY001232.D

Acq: 15 Jan 2020 20:28

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-2.5-3.0

Tot Ion: 91 Resp: 10359436

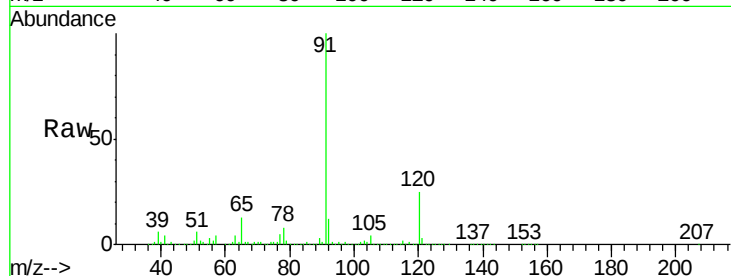
Ion Ratio Lower Upper

91 100

120 23.9 11.5 34.4

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VY001148.D (-1787) (-)

12.67

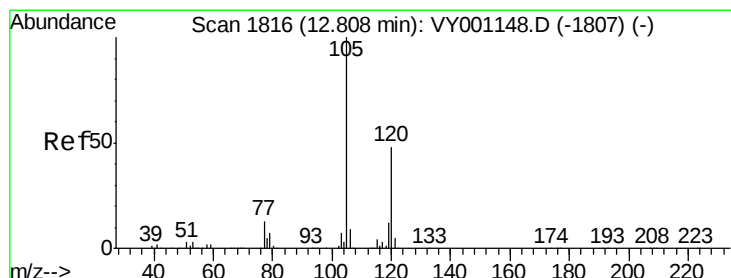
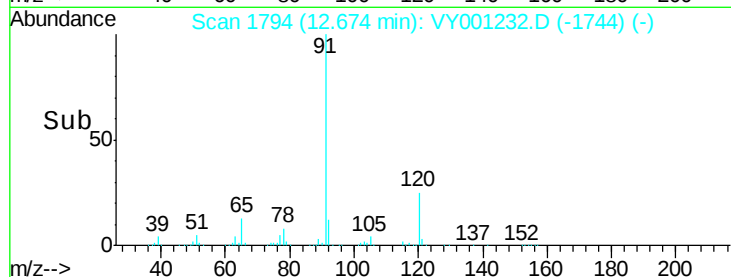
6000000

4000000

2000000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.320 ug/l m

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001232.D

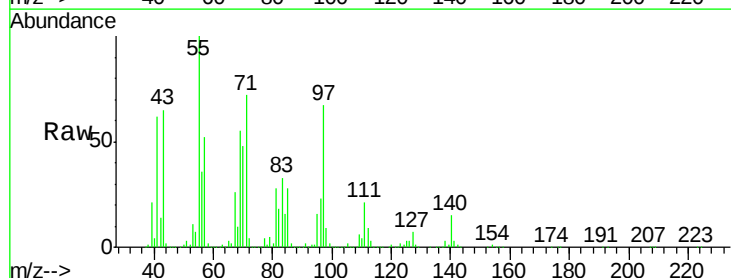
Acq: 15 Jan 2020 20:28

Tgt Ion: 105 Resp: 10930

Ion Ratio Lower Upper

105 100

120 772.2 24.2 72.6#



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY001148.D (-1807) (-)

12.81

60000

50000

40000

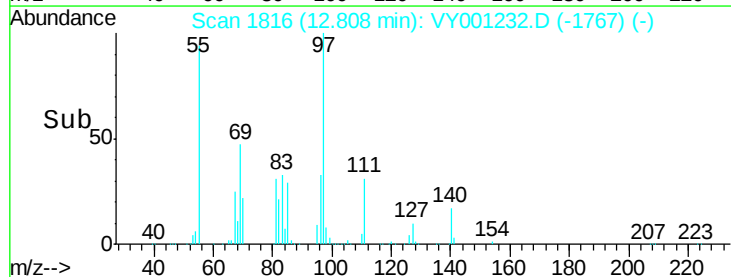
30000

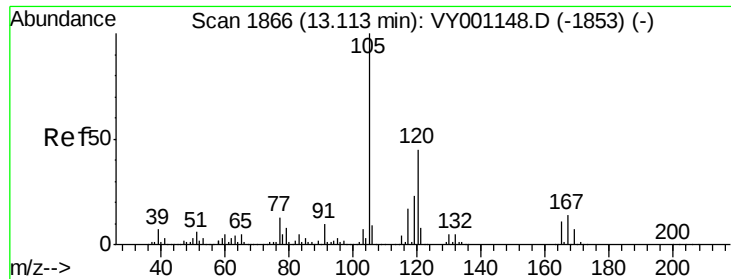
20000

10000

0

Time-->





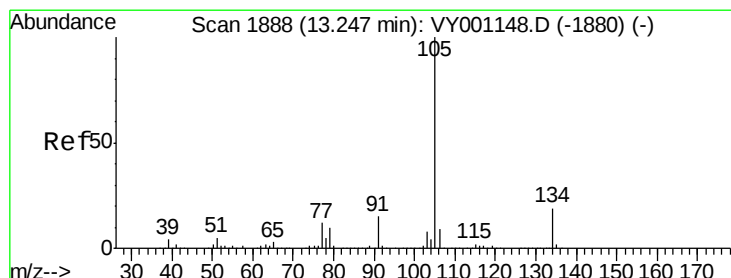
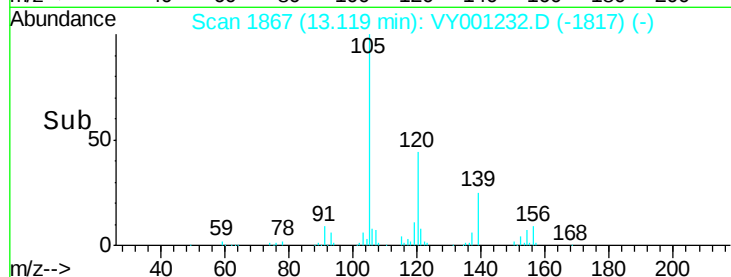
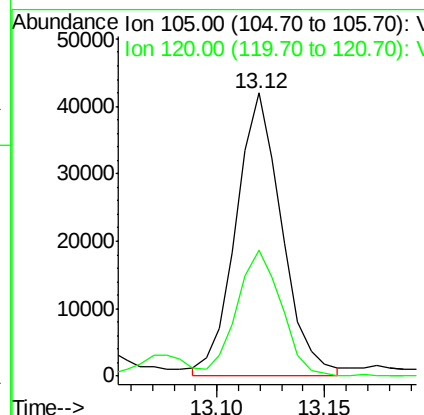
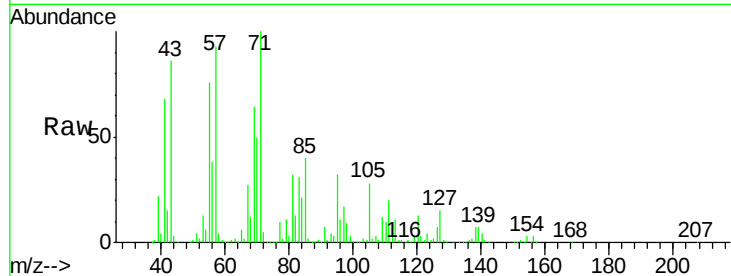
#84
 1,2,4-Trimethylbenzene
 Concen: 7.568 ug/l m
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001232.D
 Acq: 15 Jan 2020 20:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-2.5-3.0

Tot Ion:105 Resp: 62239
 Ion Ratio Lower Upper
 105 100
 120 135.6 22.8 68.3#

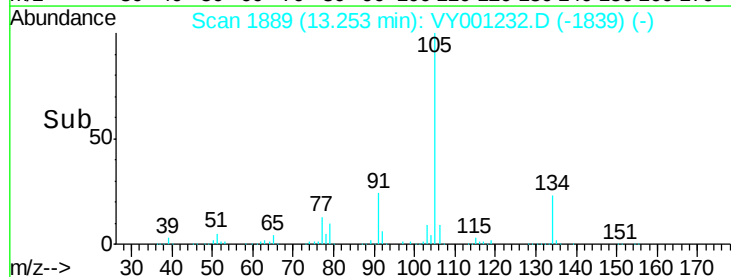
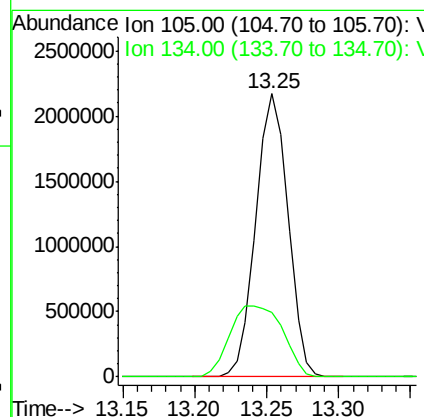
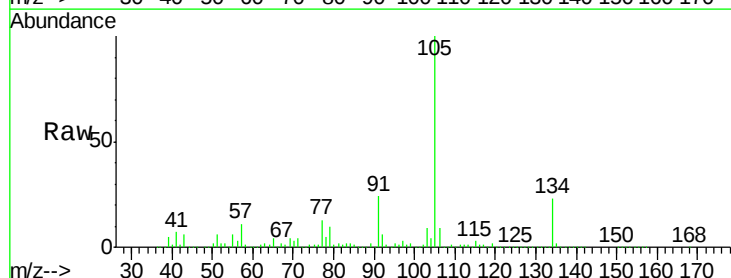
Manual Integrations
 APPROVED

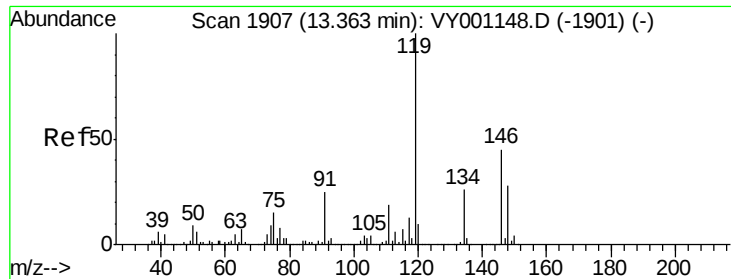
MMDadoda
 1/16/2020 9:36:30 AM



#85
 sec-Butylbenzene
 Concen: 335.140 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001232.D
 Acq: 15 Jan 2020 20:28

Tgt Ion:105 Resp: 3355021
 Ion Ratio Lower Upper
 105 100
 134 41.7 9.8 29.5#





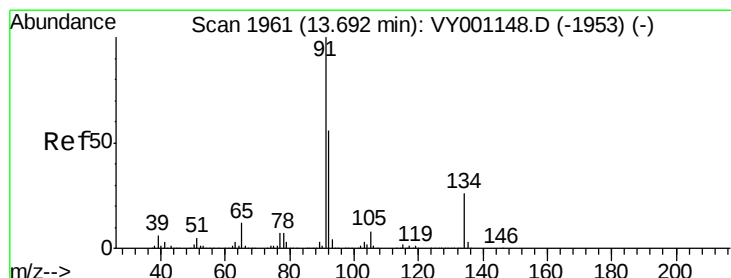
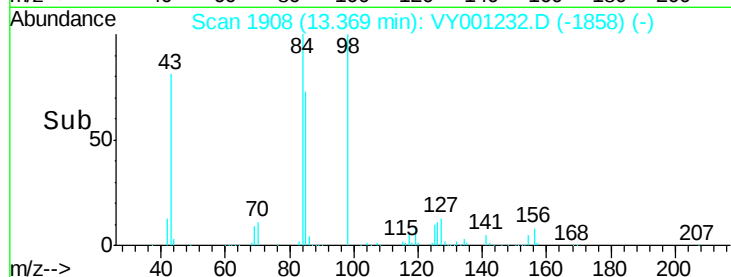
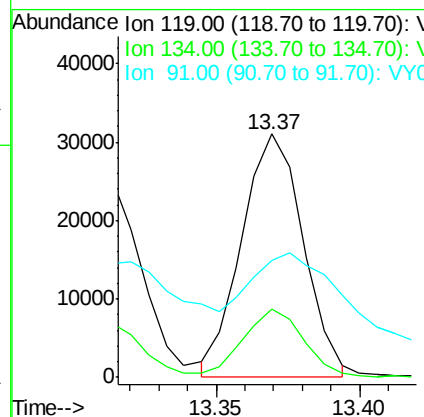
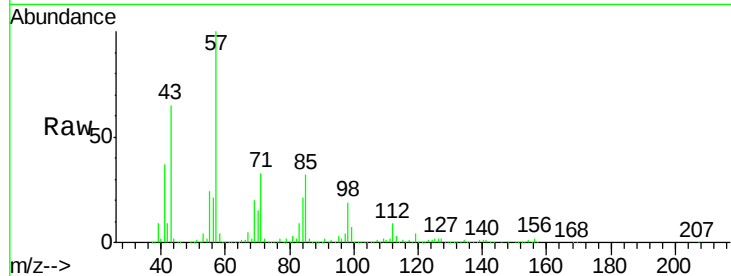
#86
p-Isopropyltoluene
Concen: 5.298 ug/l m
RT: 13.37 min Scan# 1908
Delta R.T. 0.01 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-2.5-3.0

Tot Ion	Ratio	Lower	Upper
119	100		
134	324.9	13.4	40.2#
91	282.9	12.4	37.2#

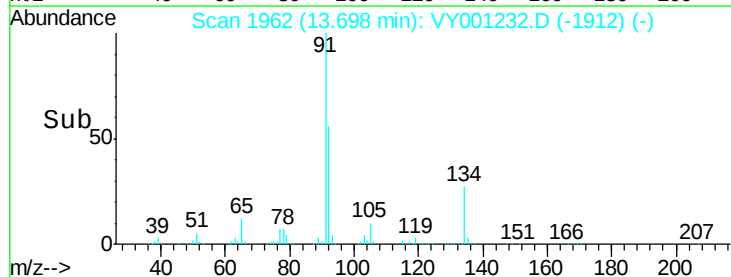
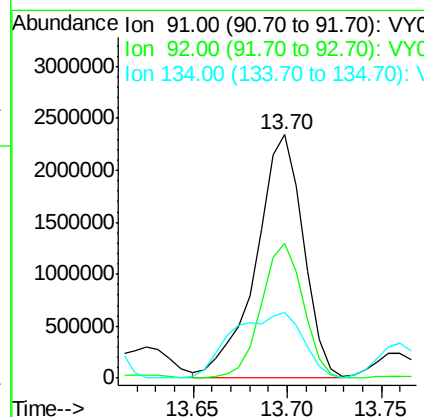
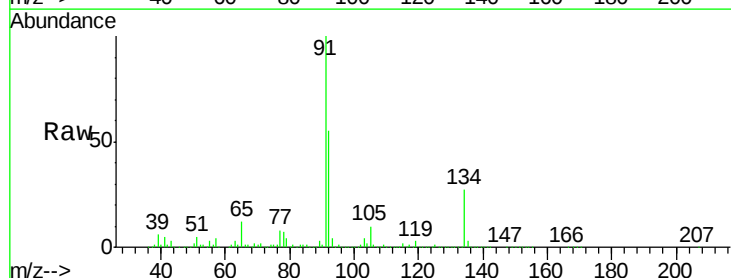
Manual Integrations
APPROVED

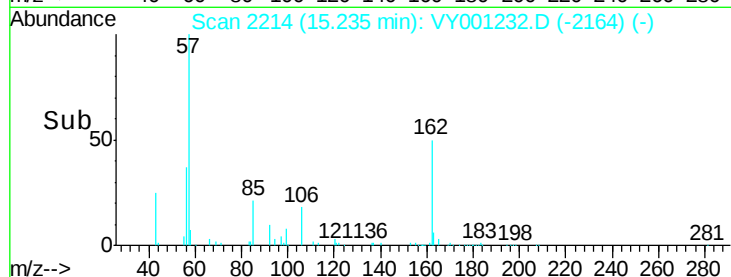
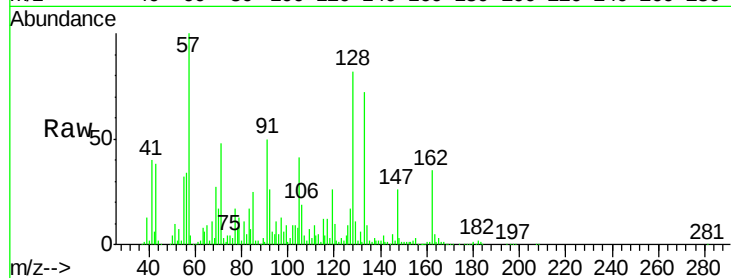
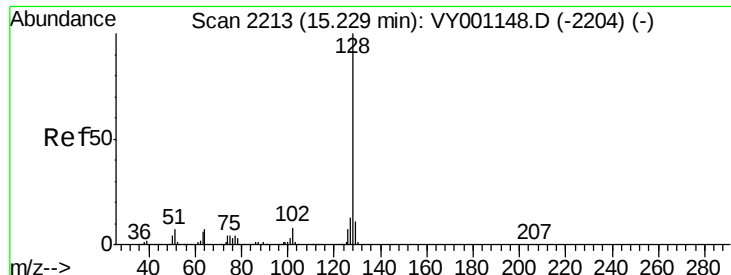
MMDadoda
1/16/2020 9:36:30 AM



#89
n-Butylbenzene
Concen: 462.696 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.1	27.7	83.1
134	40.5	12.9	38.6#





#95
Naphthalene
Concen: 29.692 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001232.D
Acq: 15 Jan 2020 20:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-2.5-3.0

Tot Ion	Ratio	Lower	Upper
128	100		
127	32.0	10.2	15.4#
129	0.0	8.5	12.7#

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:30 AM

