

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051419\
 Data File : VL033691.D
 Acq On : 14 May 2019 14:59
 Operator : SY/AP
 Sample : K2730-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 5:41:04 AM

Quant Time: May 15 22:21:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 0
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	910849	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2254898	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2361268	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2164784	11.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	61787	0.289	ppbv	93
3) Chlorodifluoromethane	3.01	51	38821	0.295	ppbv	94
4) Chloromethane	3.17	50	18411	0.269	ppbv	98
9) Propene	3.04	41	1146200m	22.856	ppbv	
10) Heptane	8.25	43	357023	2.885	ppbv	94
11) Trichlorofluoromethane	4.00	101	38317	0.192	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	34578	0.258	ppbv	98
13) Ethanol	3.70	45	1083651	71.993	ppbv	98
15) Acetone	3.90	43	19181556	141.555	ppbv #	72
17) tert-Butyl alcohol	4.41	59	158232	1.537	ppbv #	72
19) Isopropyl Alcohol	4.07	45	1380583	16.584	ppbv #	93
20) Methylene Chloride	4.42	84	133242	2.590	ppbv	97
26) Hexane	5.78	57	466095	4.919	ppbv #	39
27) Carbon Disulfide	4.62	76	820454	6.330	ppbv	99
29) Chloroform	5.86	83	18402m	0.108	ppbv	
30) Cyclohexane	7.25	84	633646	7.962	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	12978m	0.074	ppbv	
34) 2-Butanone	5.33	43	1749036	12.113	ppbv	99
36) Benzene	7.01	78	509795	2.521	ppbv	99
41) Tetrahydrofuran	6.14	42	100053	1.341	ppbv #	48
52) Tetrachloroethene	11.37	164	15537m	0.217	ppbv	
53) Toluene	9.95	91	989269	4.528	ppbv	100
58) Ethyl Benzene	12.87	91	391789	1.272	ppbv	99
59) m/p-Xylene	13.12	91	1475128	5.439	ppbv	99
60) o-Xylene	13.85	91	821519	2.993	ppbv	99
62) Isopropylbenzene	14.82	105	163912	0.437	ppbv	99
67) sec-Butylbenzene	17.46	105	156127	0.325	ppbv	100
69) p-Isopropyltoluene	17.82	119	184867m	0.468	ppbv	
70) n-Butylbenzene	18.72	91	273193m	0.652	ppbv	
72) 4-Ethyltoluene	16.00	105	268986	0.834	ppbv #	88
73) 1,3,5-Trimethylbenzene	16.16	105	1187546	3.807	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3017148	8.701	ppbv #	77
79) Naphthalene	22.41	128	475369m	1.502	ppbv	
80) Naphthalene,2-methyl-	25.11	142	51865m	0.433	ppbv	

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

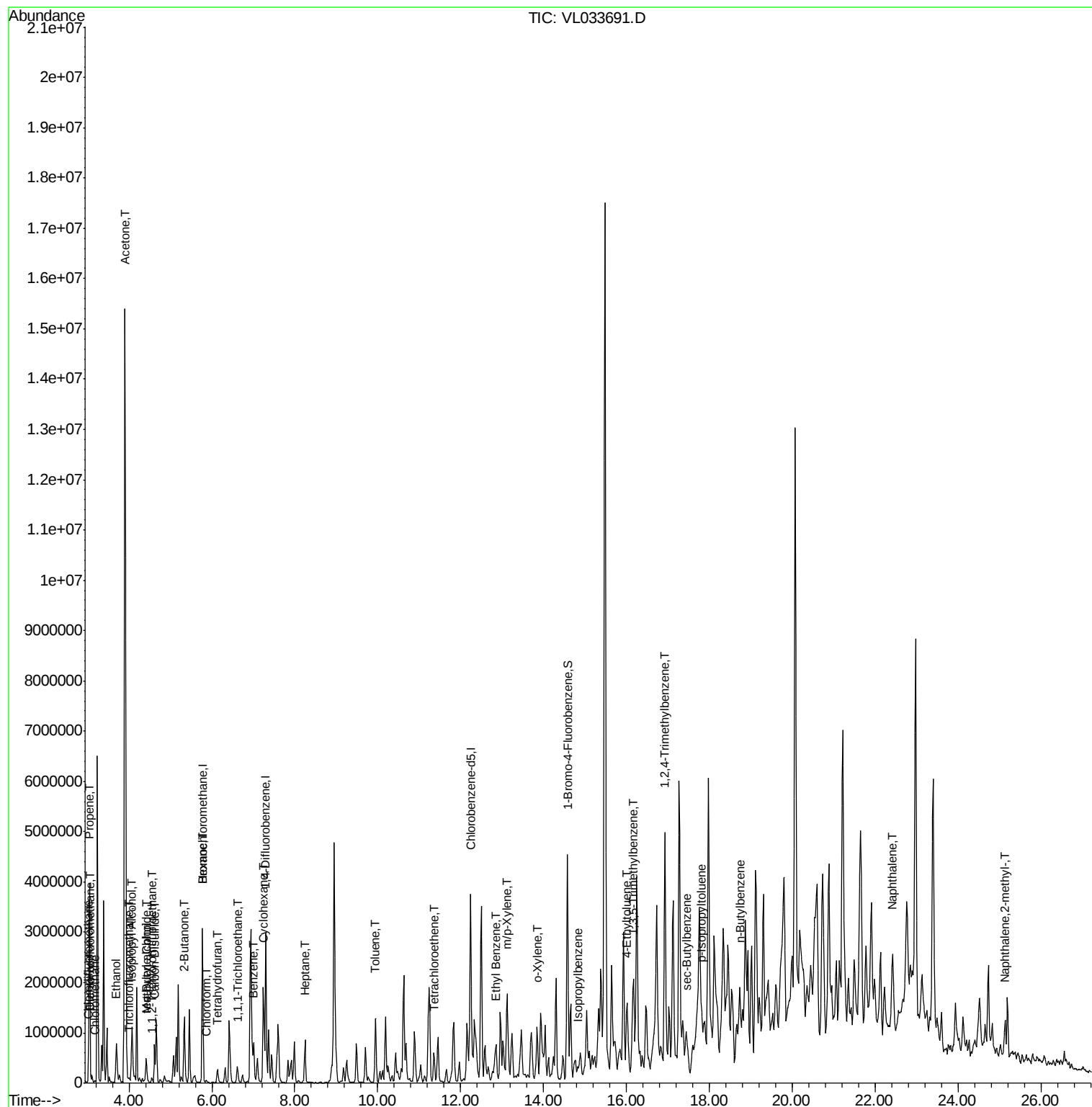
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051419\
Data File : VL033691.D
Acq On : 14 May 2019 14:59
Operator : SY/AP
Sample : K2730-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

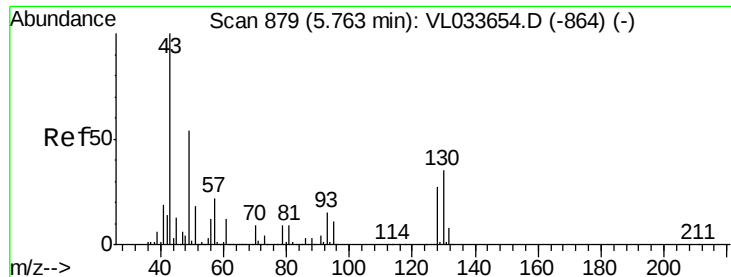
Instrument :
MSVOA_L
ClientSampled :
SS01

Manual Integrations
APPROVED

MMDadoda
5/16/2019 5:41:04 AM

Quant Time: May 15 22:21:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration





#1

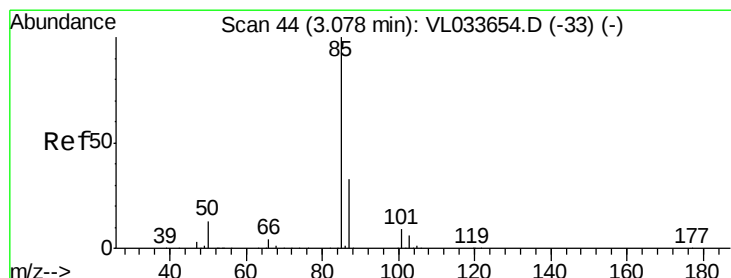
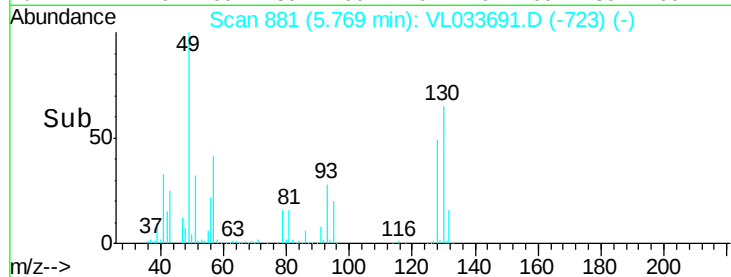
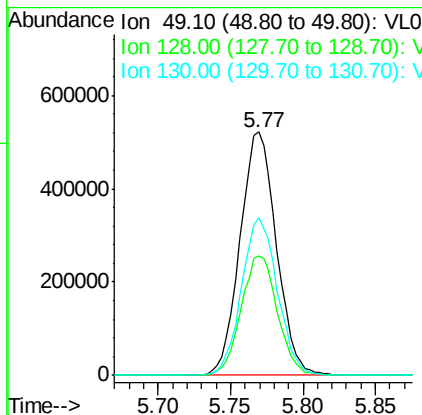
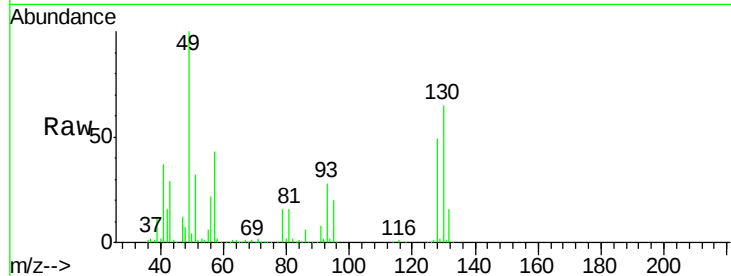
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.77 min Scan# 881
 Delta R.T. 0.01 min
 Lab File: VL033691.D
 Acq: 14 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	49.2	24.8	74.3
130	64.0	32.1	96.5

Manual Integrations
 APPROVED

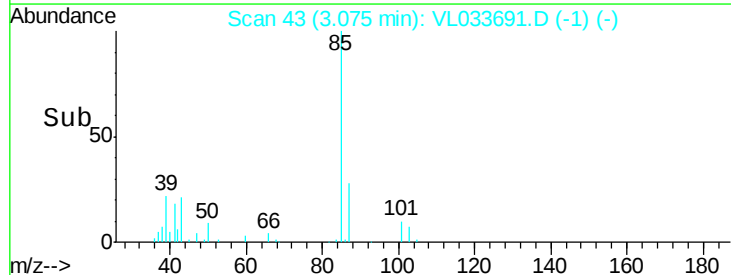
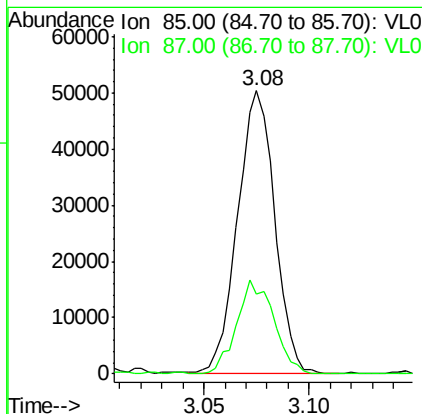
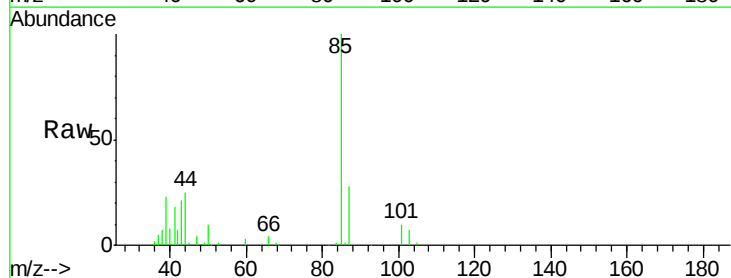
MMDadoda
 5/16/2019 5:41:04 AM

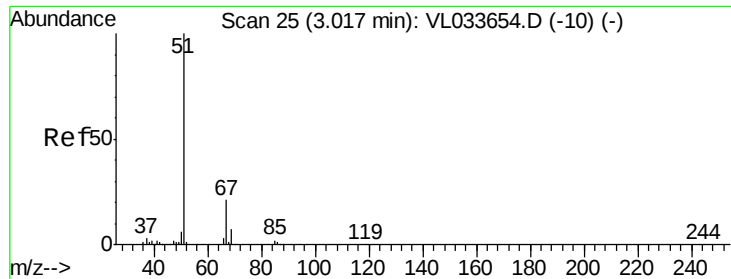


#2

Dichlorodifluoromethane
 Concen: 0.289 ppbv
 RT: 3.08 min Scan# 43
 Delta R.T. -0.00 min
 Lab File: VL033691.D
 Acq: 14 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.4	26.0	39.0





#3

Chlorodifluoromethane

Concen: 0.295 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.01 min

Lab File: VL033691.D

Acq: 14 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

SS01

Tot Ion: 51 Resp: 38821

Ion Ratio Lower Upper

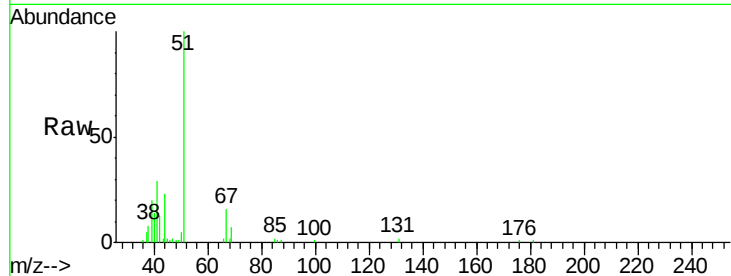
51 100

67 17.1 15.7 23.5

Manual Integrations
APPROVED

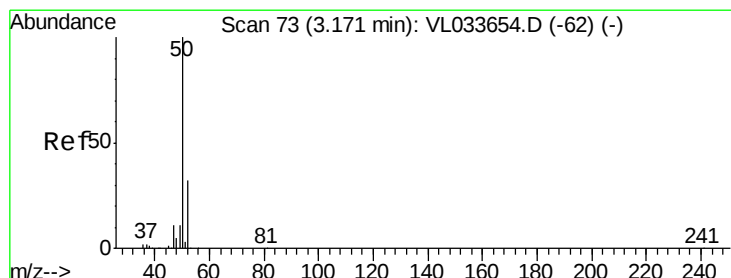
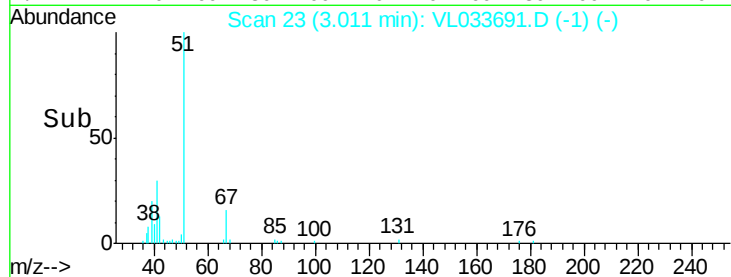
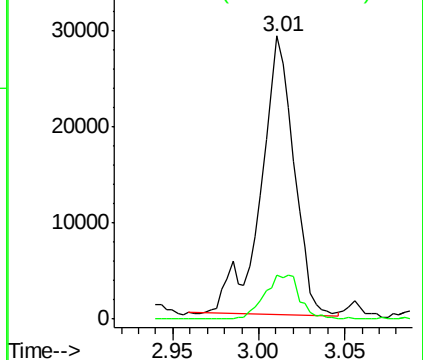
MMDadoda

5/16/2019 5:41:04 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.269 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033691.D

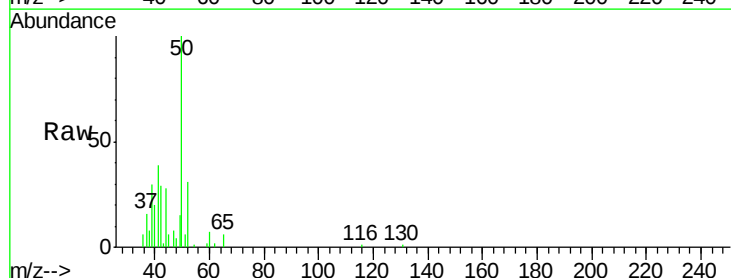
Acq: 14 May 2019 14:59

Tgt Ion: 50 Resp: 18411

Ion Ratio Lower Upper

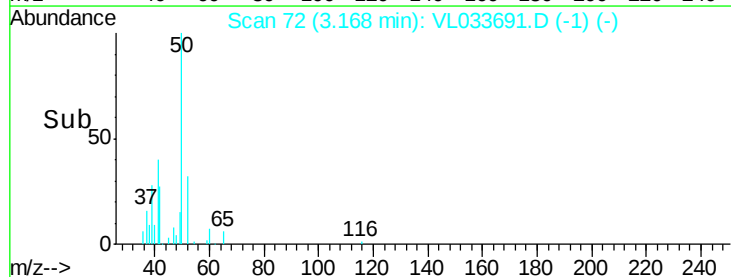
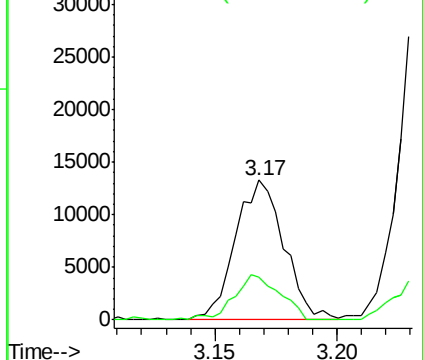
50 100

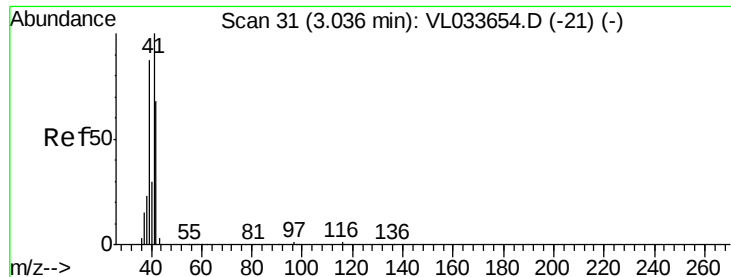
52 31.4 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 22.856 ppbv m

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033691.D

Acq: 14 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

SS01

Tot Ion: 41 Resp: 1146200

Ion Ratio Lower Upper

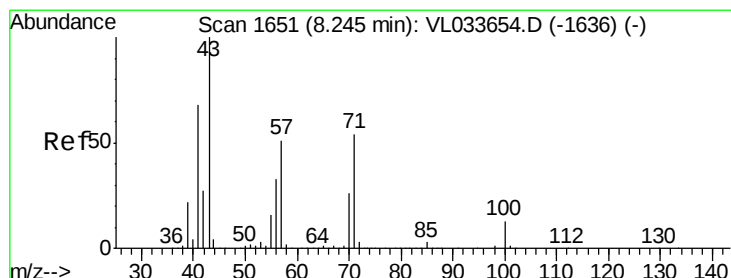
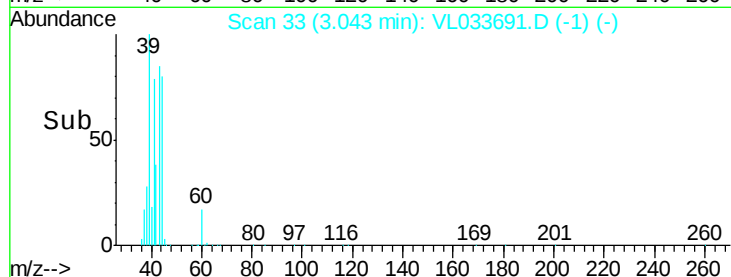
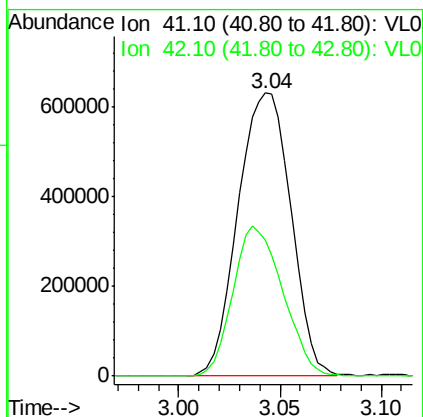
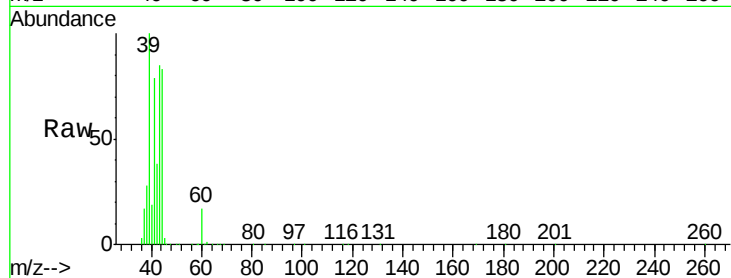
41 100

42 105.4 55.6 83.4#

Manual Integrations
APPROVED

MMDadoda

5/16/2019 5:41:04 AM



#10

Heptane

Concen: 2.885 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033691.D

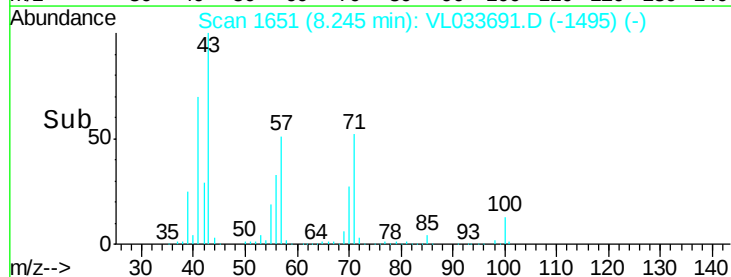
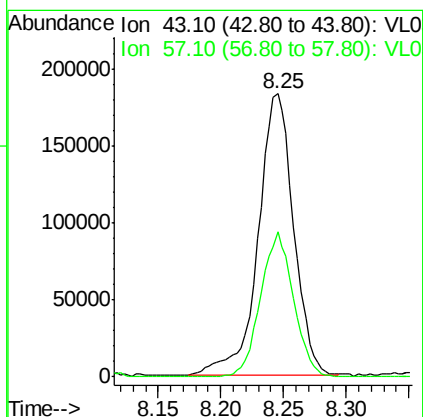
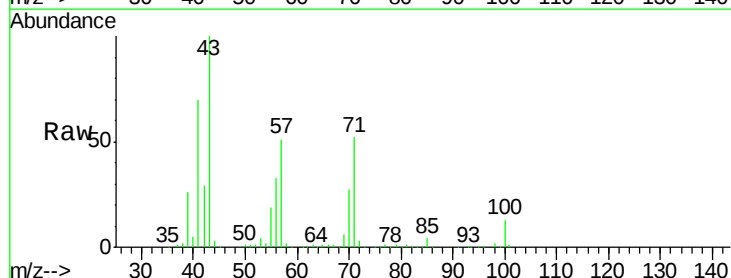
Acq: 14 May 2019 14:59

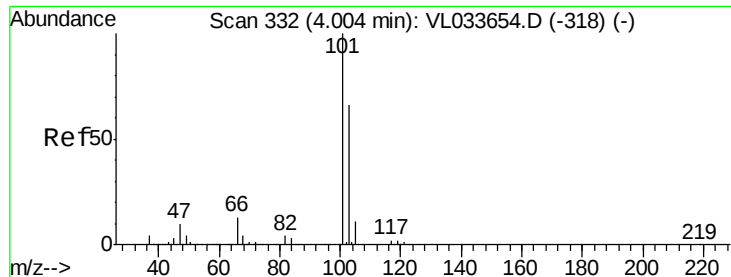
Tgt Ion: 43 Resp: 357023

Ion Ratio Lower Upper

43 100

57 48.2 41.8 62.6





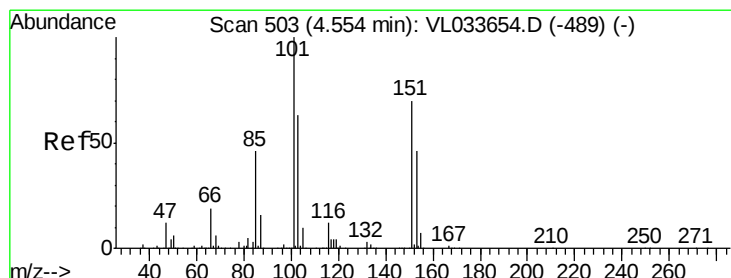
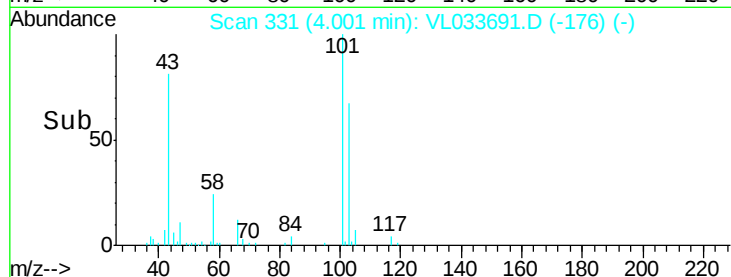
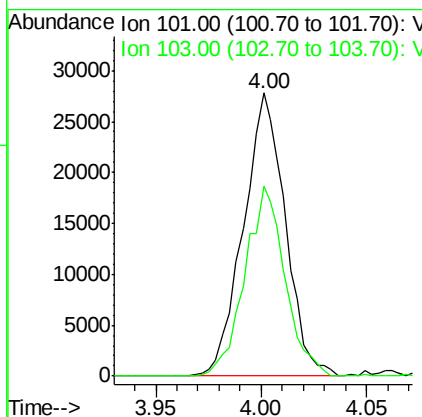
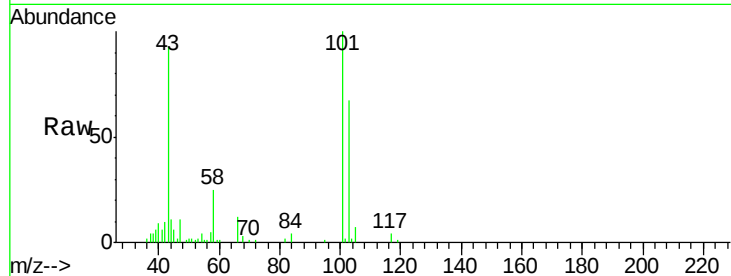
#11
 Trichlorofluoromethane
 Concen: 0.192 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033691.D
 Acq: 14 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SS01

Tot Ion:101 Resp: 38317
 Ion Ratio Lower Upper
 101 100
 103 67.2 52.7 79.1

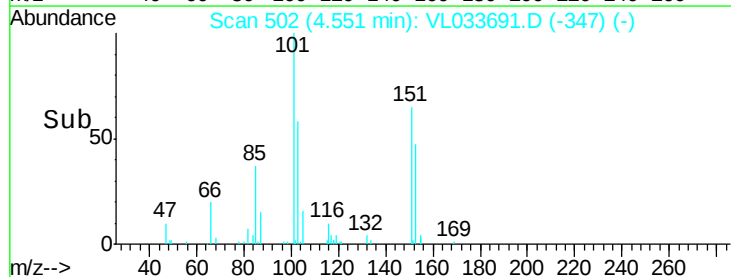
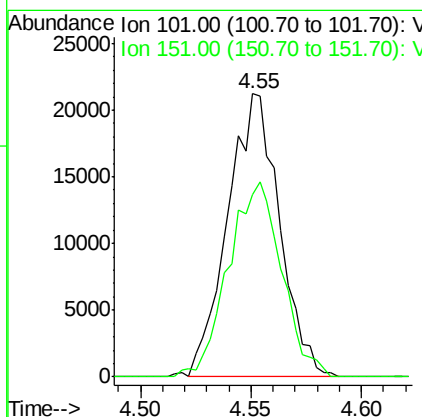
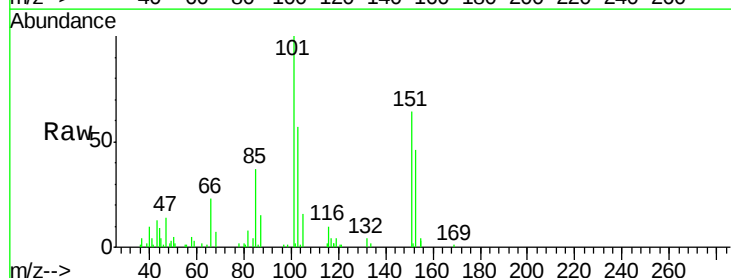
Manual Integrations
 APPROVED

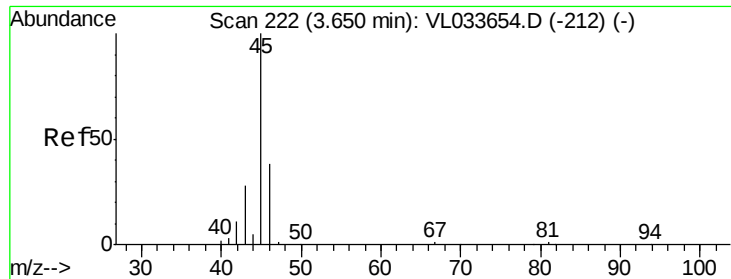
MMDadoda
 5/16/2019 5:41:04 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.258 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033691.D
 Acq: 14 May 2019 14:59

Tgt Ion:101 Resp: 34578
 Ion Ratio Lower Upper
 101 100
 151 70.8 58.0 87.0





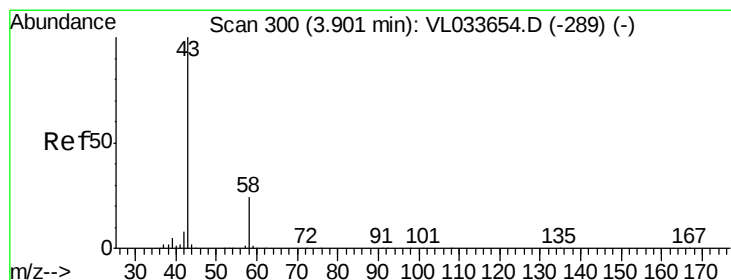
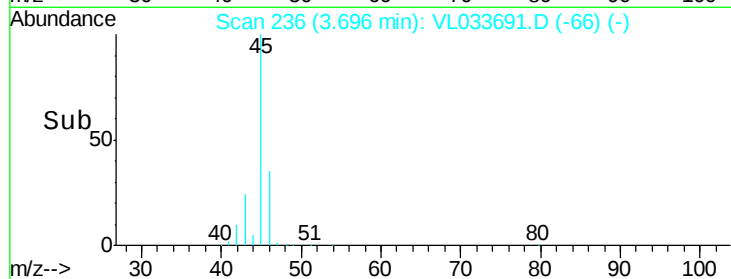
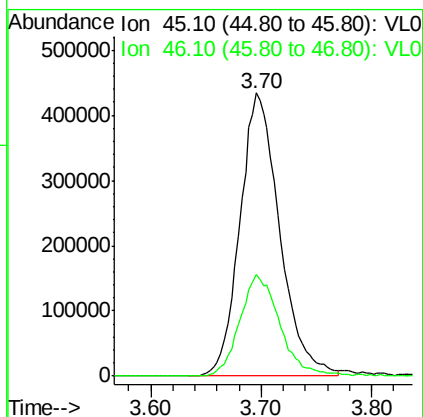
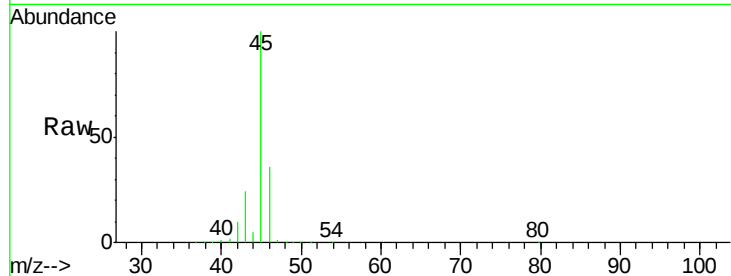
#13
Ethanol
Concen: 71.993 ppbv
RT: 3.70 min Scan# 236
Delta R.T. 0.05 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Instrument :
MSVOA_L
ClientSampled :
SS01

Tot Ion: 45 Resp: 1083651
Ion Ratio Lower Upper
45 100
46 36.4 14.9 59.7

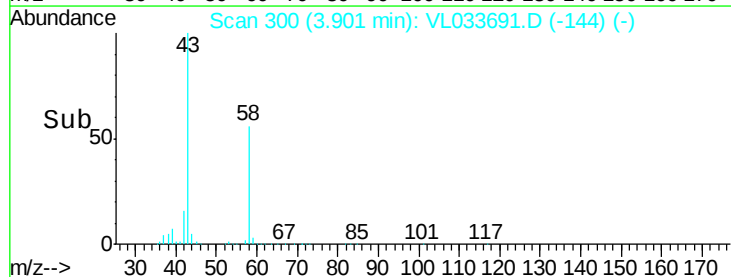
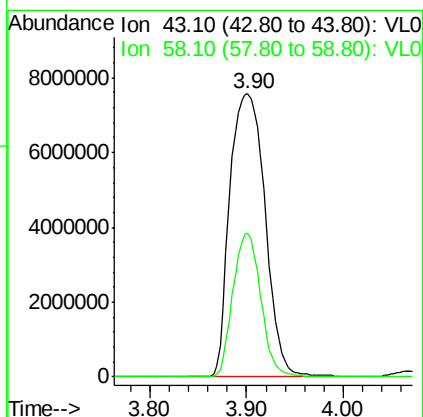
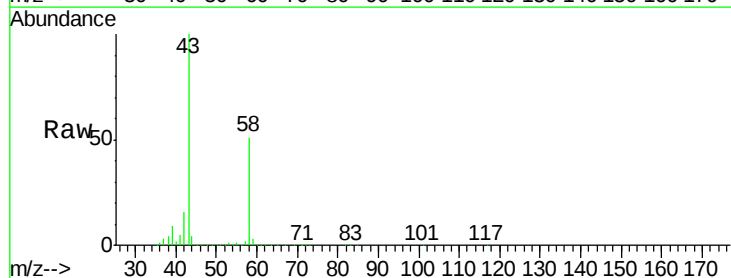
Manual Integrations
APPROVED

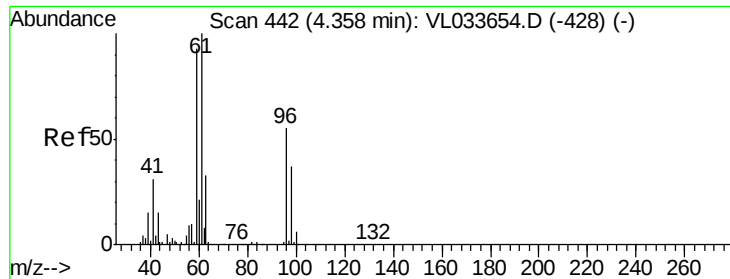
MMDadoda
5/16/2019 5:41:04 AM



#15
Acetone
Concen: 141.555 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Tgt Ion: 43 Resp: 19181556
Ion Ratio Lower Upper
43 100
58 40.3 20.9 31.3#





#17

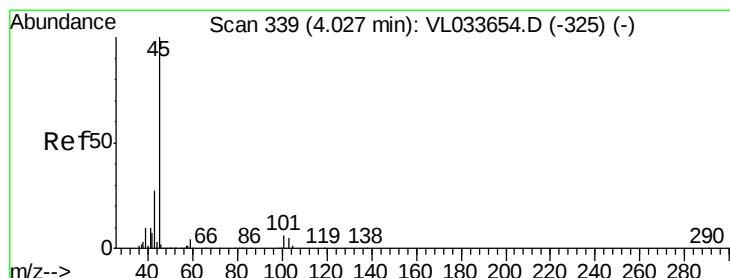
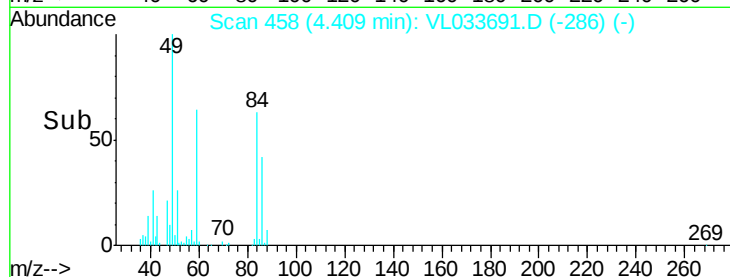
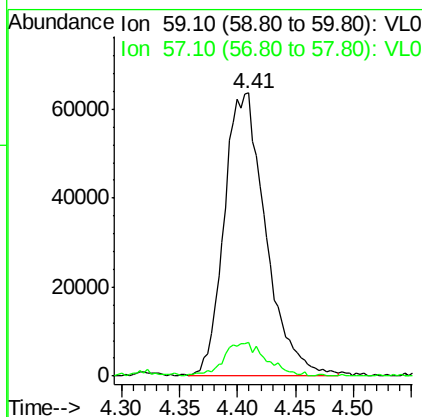
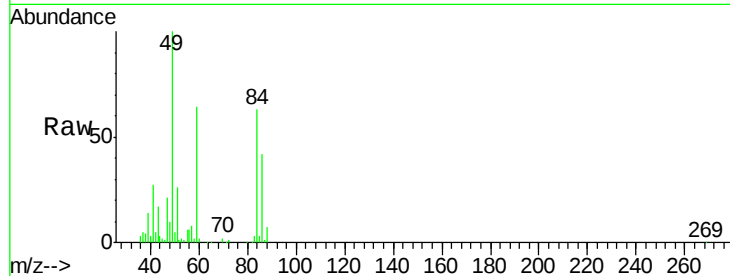
tert-Butyl alcohol
 Concen: 1.537 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. 0.05 min
 Lab File: VL033691.D
 Acq: 14 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampled :
 SS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

Manual Integrations
 APPROVED

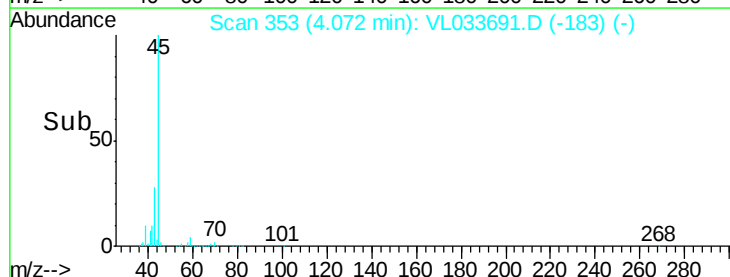
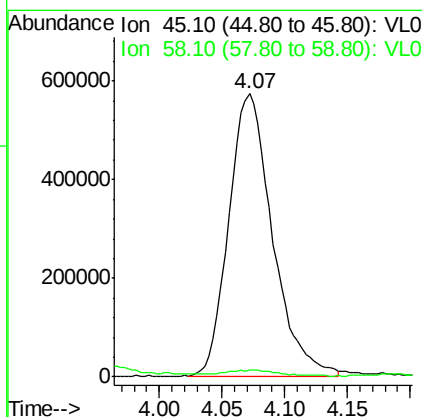
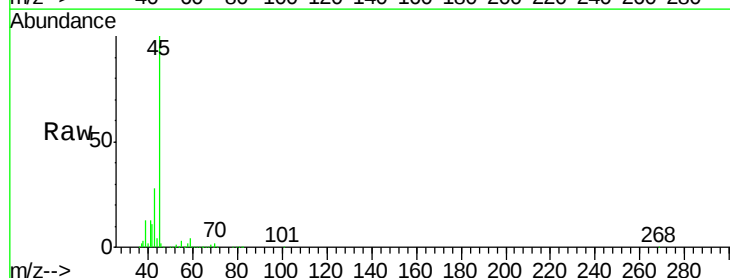
MMDadoda
 5/16/2019 5:41:04 AM

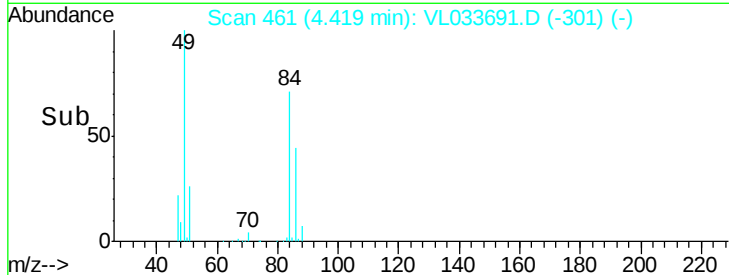
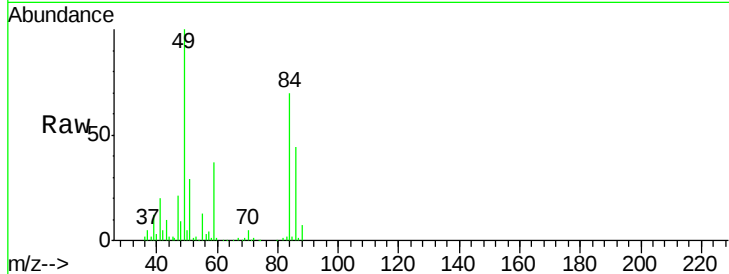
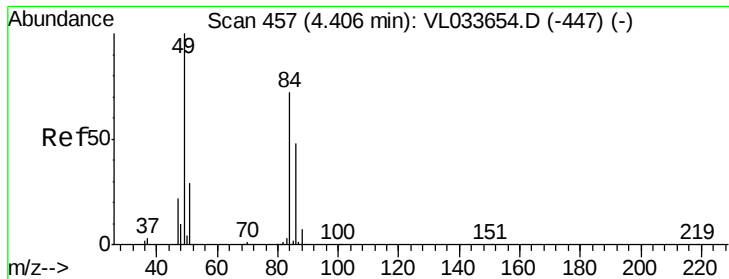


#19

Isopropyl Alcohol
 Concen: 16.584 ppbv
 RT: 4.07 min Scan# 353
 Delta R.T. 0.05 min
 Lab File: VL033691.D
 Acq: 14 May 2019 14:59

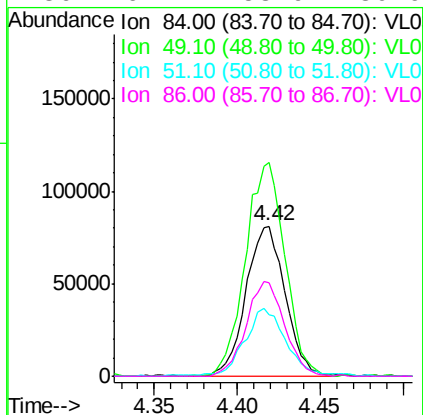
Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#





#20
Methvlene Chloride
Concen: 2.590 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

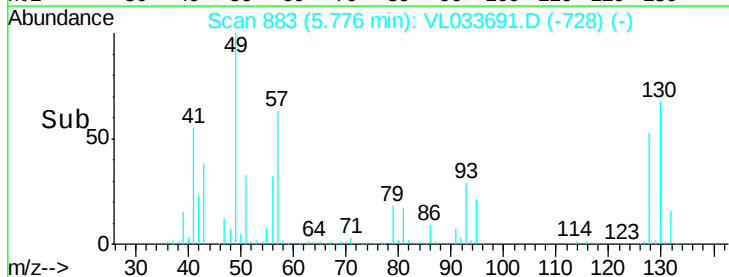
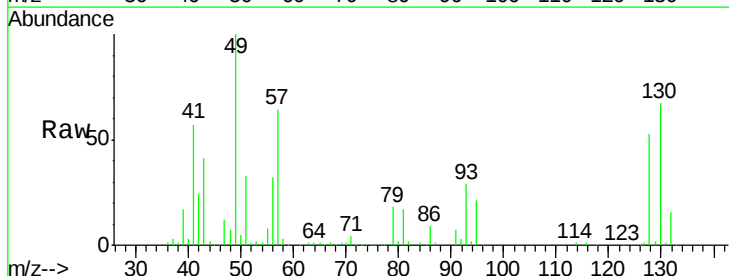
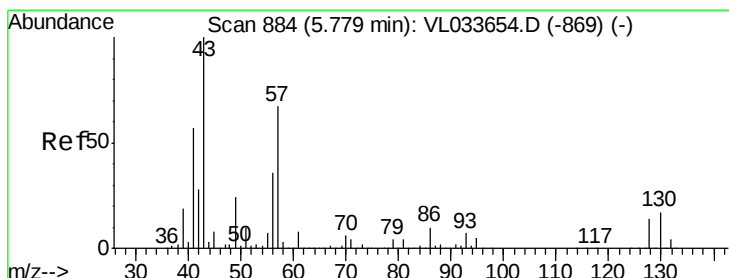
Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	141.8	111.8	167.6		
51	39.9	32.3	48.5		
86	62.2	53.9	80.9		



Instrument :
MSVOA_L
ClientSampleId :
SS01

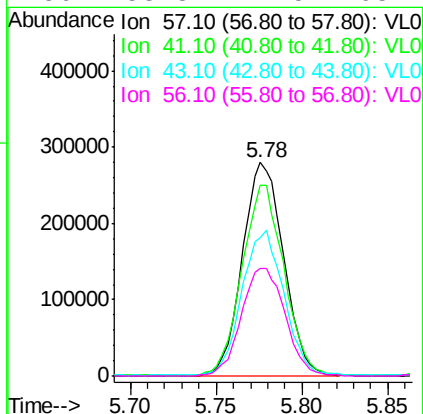
Manual Integrations
APPROVED

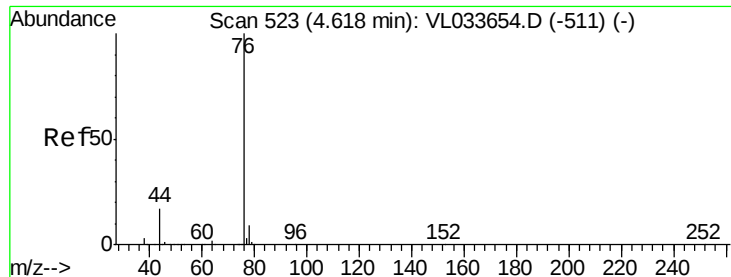
MMDadoda
5/16/2019 5:41:04 AM



#26
Hexane
Concen: 4.919 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	91.0	69.7	104.5		
43	69.4	181.9	272.9		
56	53.8	42.5	63.7		





#27

Carbon Disulfide

Concen: 6.330 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033691.D

Acq: 14 May 2019 14:59

Instrument :

MSVOA_L

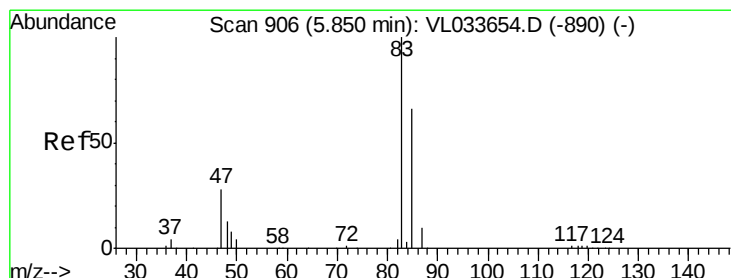
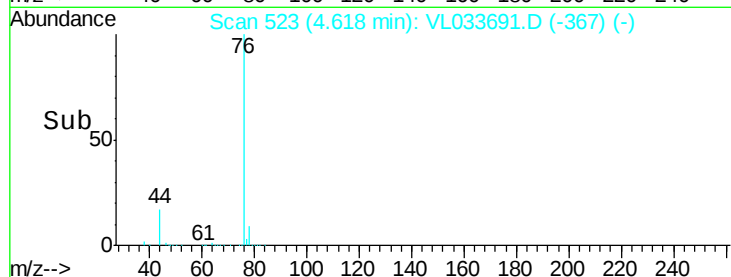
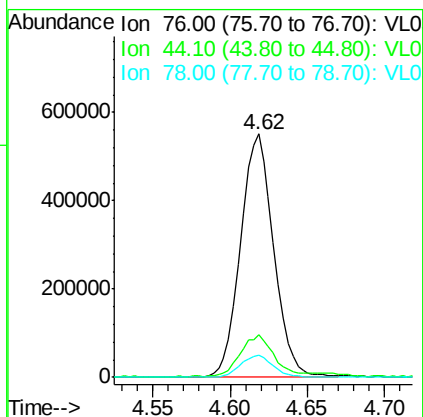
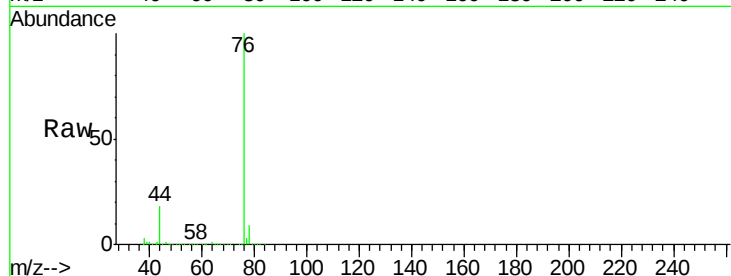
ClientSampleId :

SS01

Tot Ion:	76	Resp:	820454
Ion Ratio	Lower	Upper	
76	100		
44	18.9	14.4	21.6
78	9.1	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
5/16/2019 5:41:04 AM



#29

Chloroform

Concen: 0.108 ppbv m

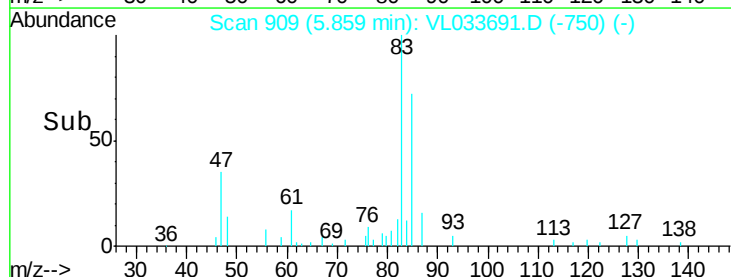
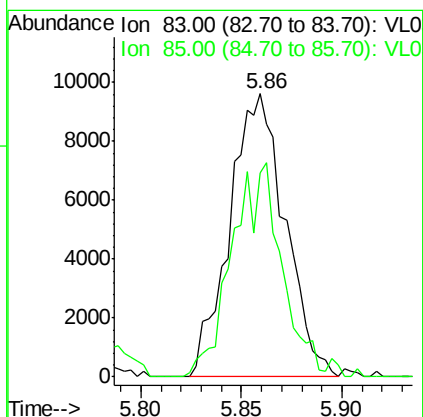
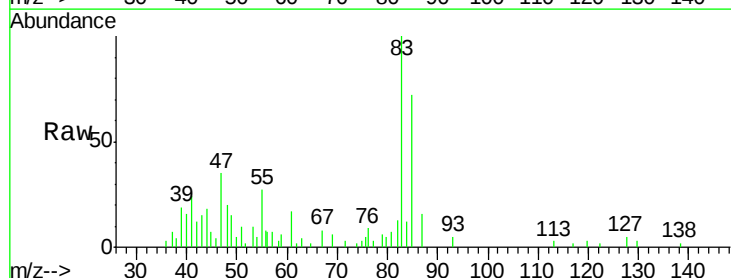
RT: 5.86 min Scan# 909

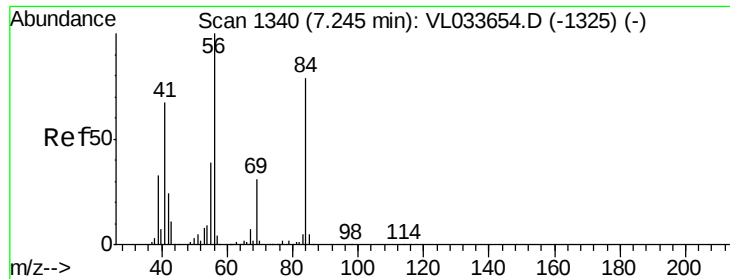
Delta R.T. 0.01 min

Lab File: VL033691.D

Acq: 14 May 2019 14:59

Tgt Ion:	83	Resp:	18402
Ion Ratio	Lower	Upper	
83	100		
85	71.9	52.6	78.8





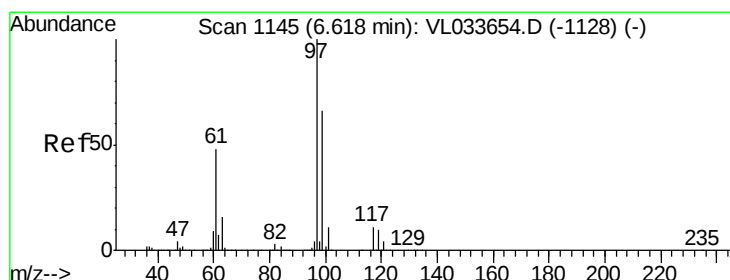
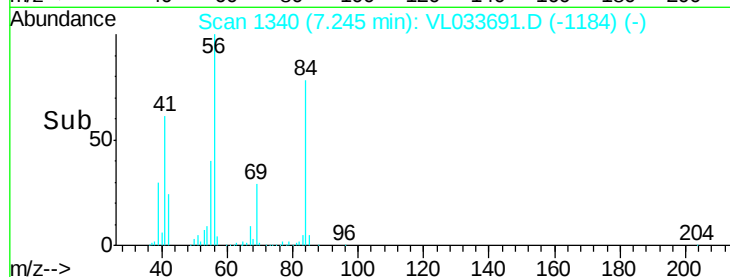
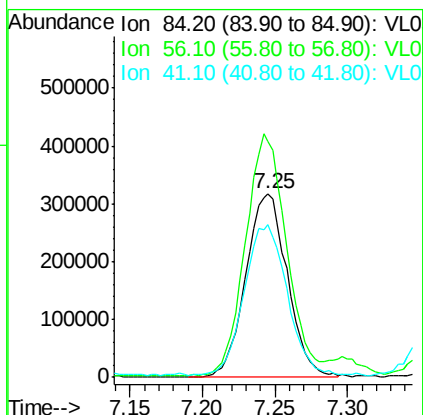
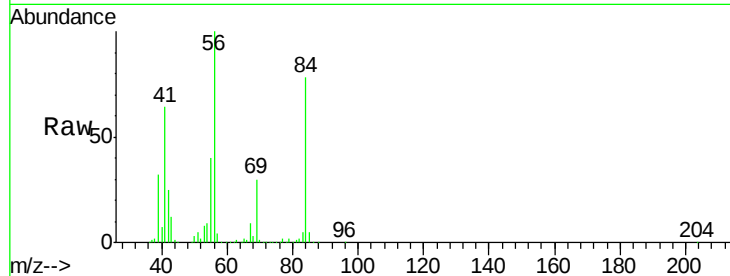
#30
Cvclohexane
Concen: 7.962 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Instrument :
MSVOA_L
ClientSampled :
SS01

Tot Ion	Ratio	Lower	Upper
84	100		
56	141.1	107.0	160.4
41	86.7	66.6	99.8

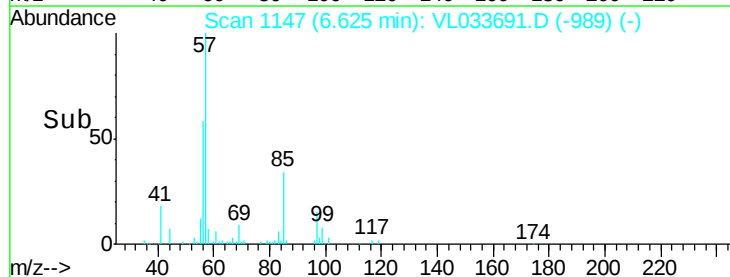
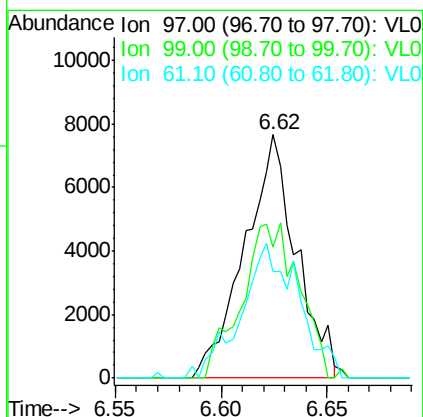
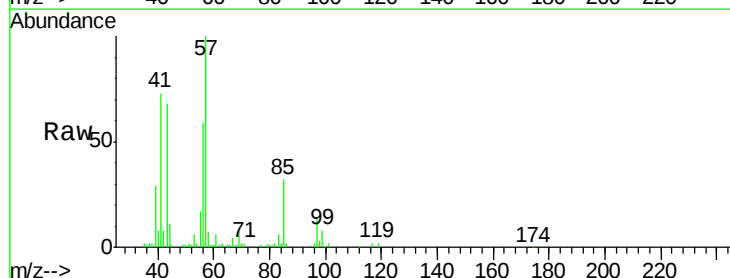
Manual Integrations
APPROVED

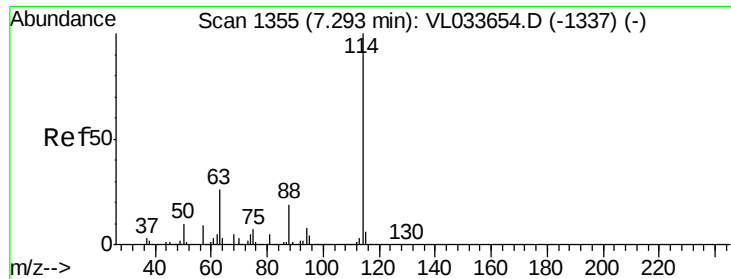
MMDadoda
5/16/2019 5:41:04 AM



#32
1,1,1-Trichloroethane
Concen: 0.074 ppbv m
RT: 6.62 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	71.0	51.4	77.2
61	62.2	38.5	57.7#





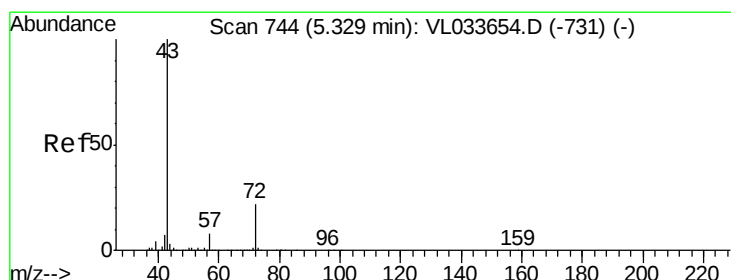
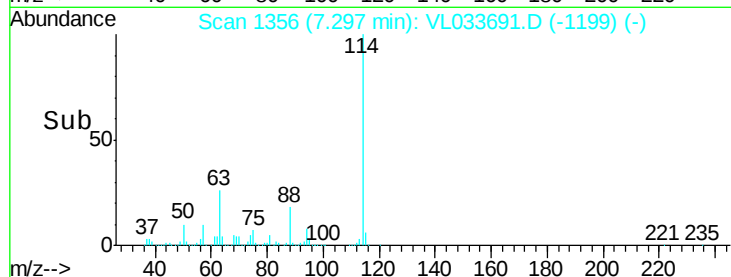
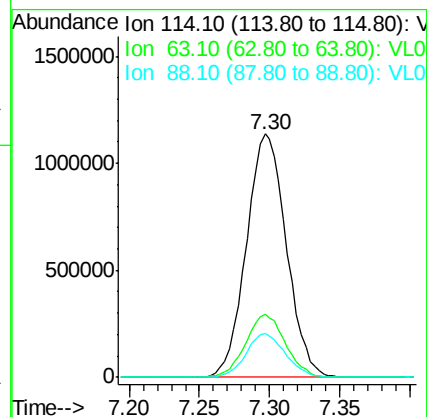
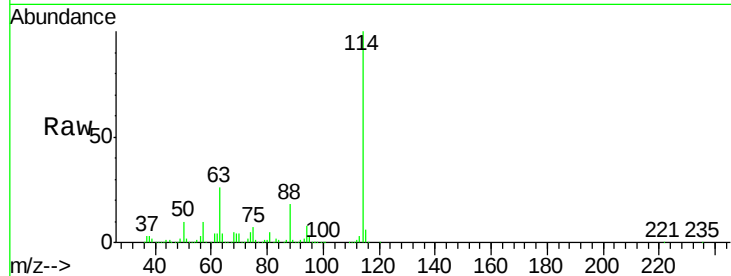
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VL033691.D
 Acq: 14 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.3	31.9
88	17.8	14.4	21.6

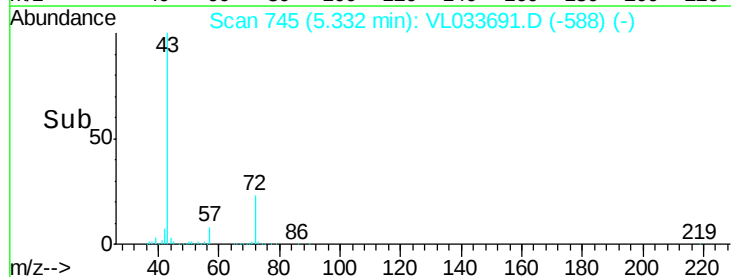
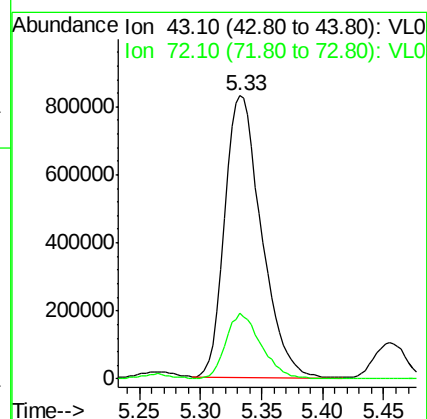
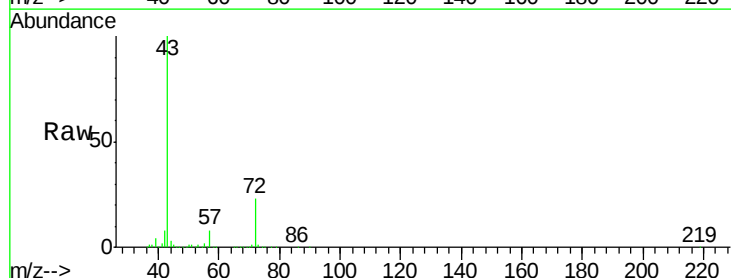
Manual Integrations
 APPROVED

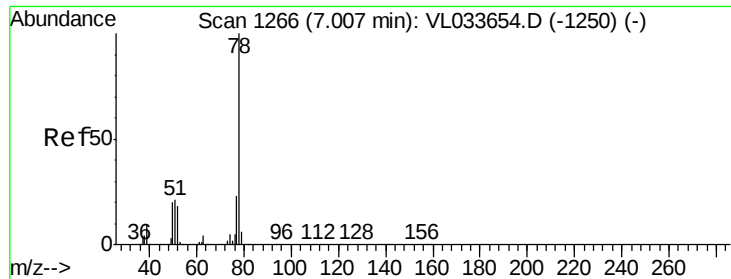
MMDadoda
 5/16/2019 5:41:04 AM



#34
 2-Butanone
 Concen: 12.113 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033691.D
 Acq: 14 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.5	26.3





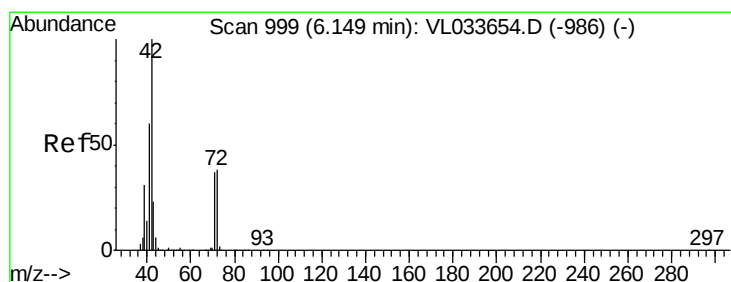
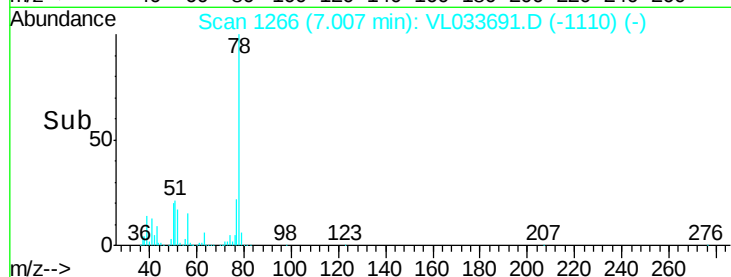
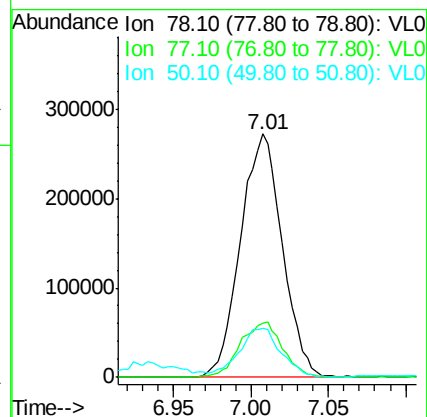
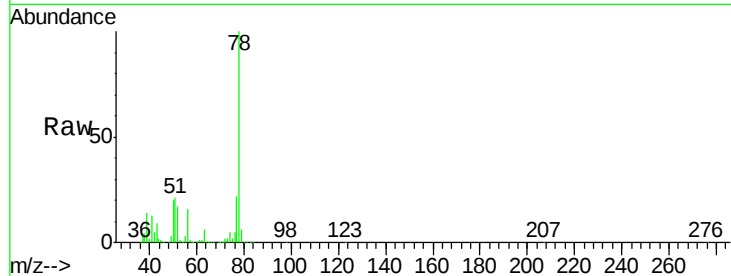
#36
Benzene
Concen: 2.521 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
SS01

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.2	27.2
50	20.1	15.8	23.6

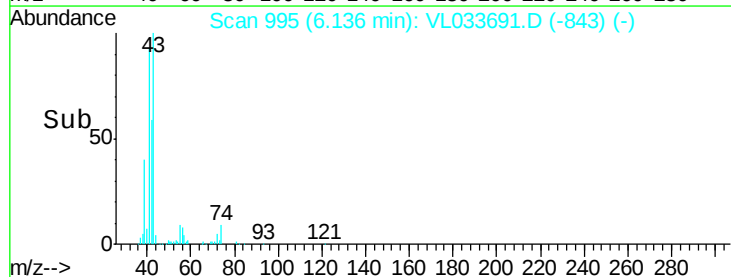
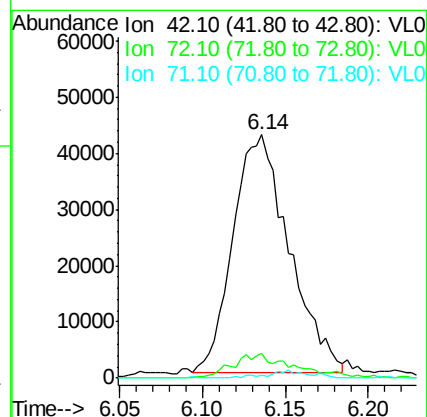
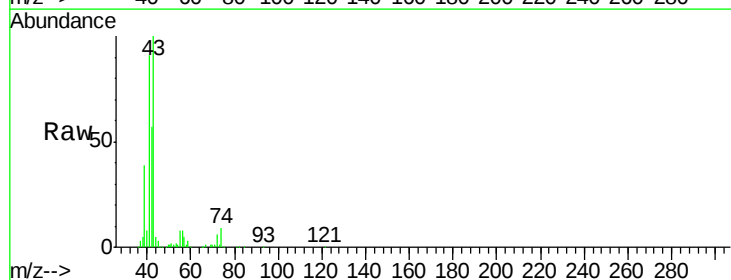
Manual Integrations
APPROVED

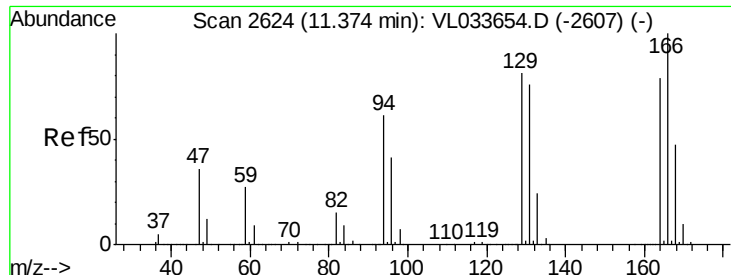
MMDadoda
5/16/2019 5:41:04 AM



#41
Tetrahydrofuran
Concen: 1.341 ppbv
RT: 6.14 min Scan# 995
Delta R.T. -0.01 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
42	100		
72	11.4	31.6	47.4#
71	2.4	30.6	46.0#





#52

Tetrachloroethene

Concen: 0.217 ppbv m

RT: 11.37 min Scan# 2624

Delta R.T. 0.00 min

Lab File: VL033691.D

Acq: 14 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

SS01

Tot Ion:164 Resp: 15537

Ion Ratio Lower Upper

164 100

166 120.7 100.6 151.0

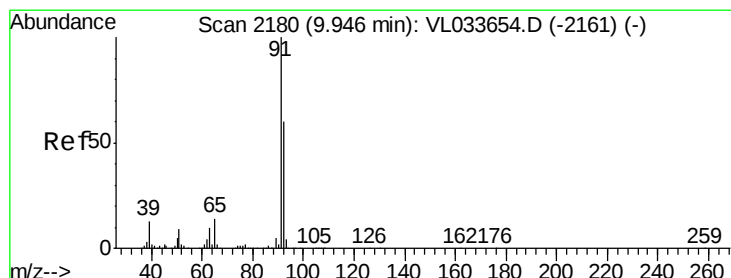
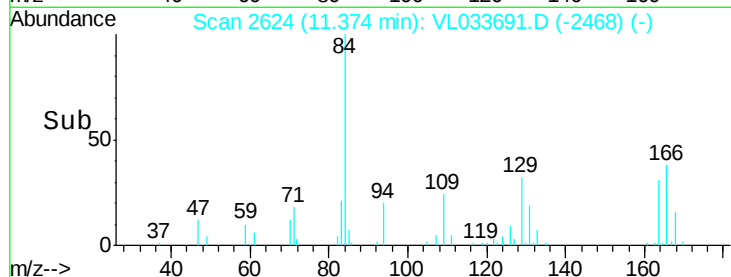
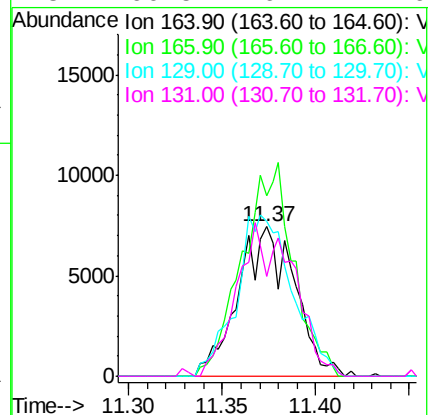
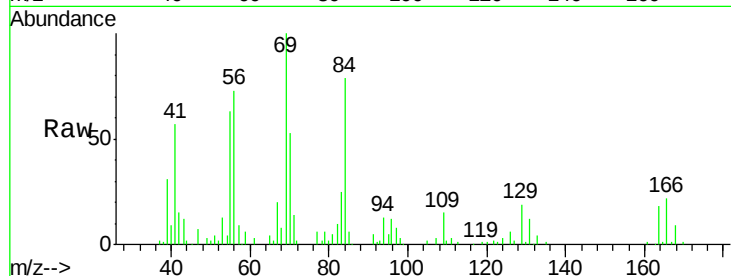
129 103.2 81.0 121.6

131 66.5 76.4 114.6#

Manual Integrations
APPROVED

MMDadoda

5/16/2019 5:41:04 AM



#53

Toluene

Concen: 4.528 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033691.D

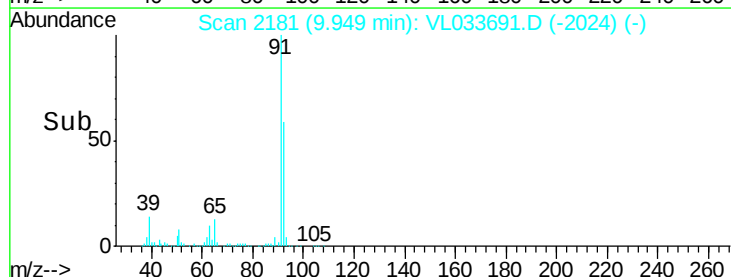
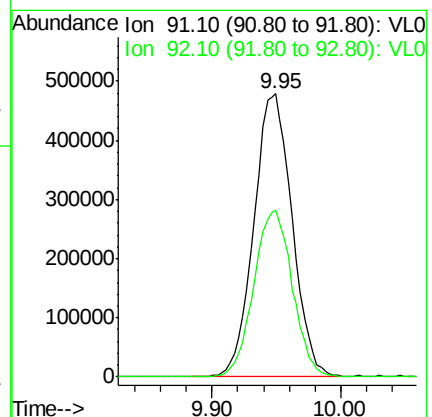
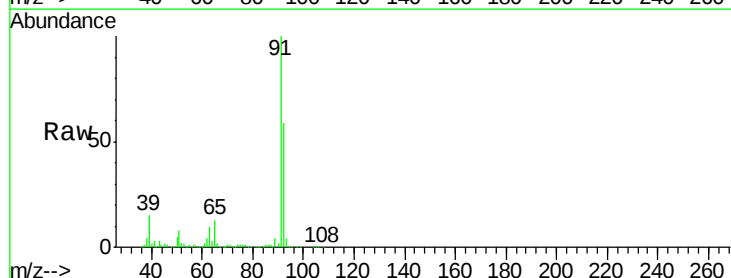
Acq: 14 May 2019 14:59

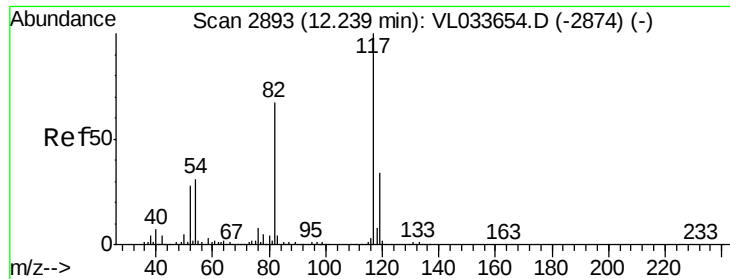
Tgt Ion: 91 Resp: 989269

Ion Ratio Lower Upper

91 100

92 59.5 47.7 71.5





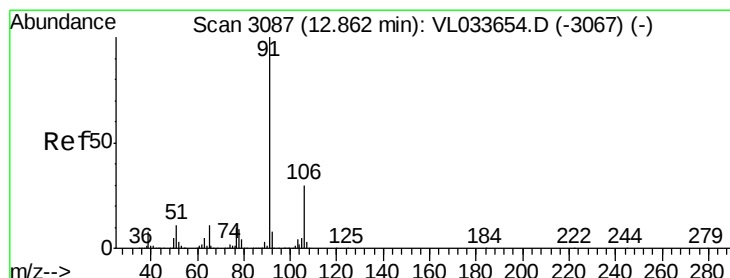
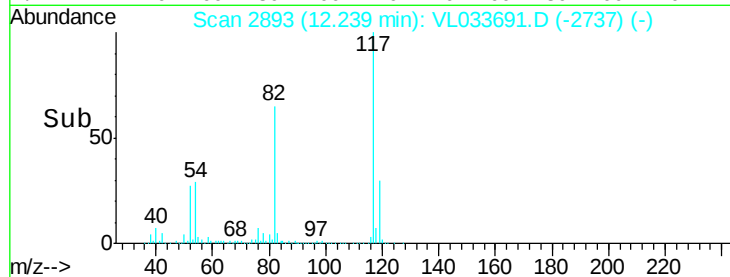
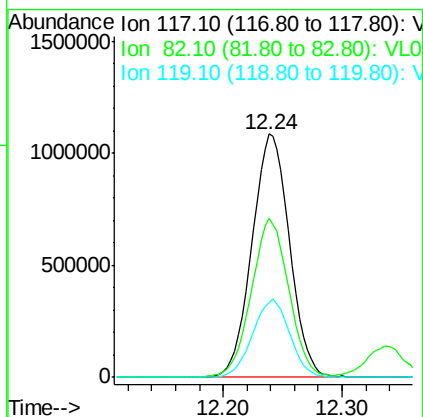
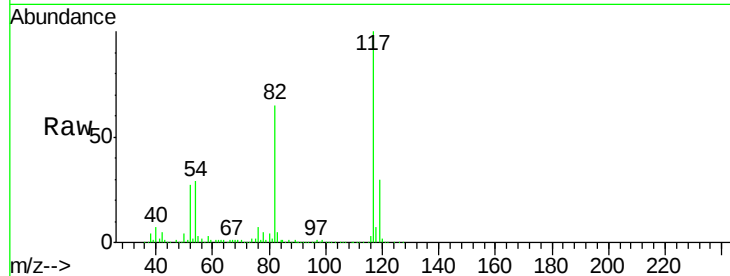
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Instrument :
MSVOA_L
ClientSampled :
SS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.2	49.7	74.5
119	31.8	24.8	37.2

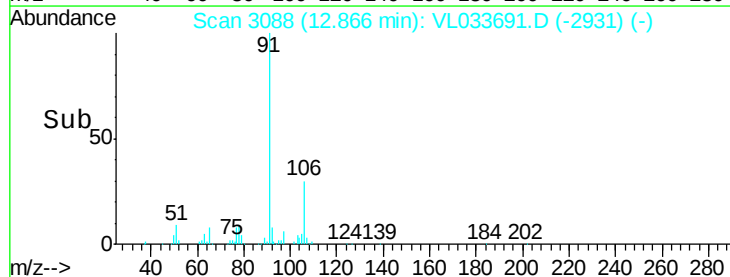
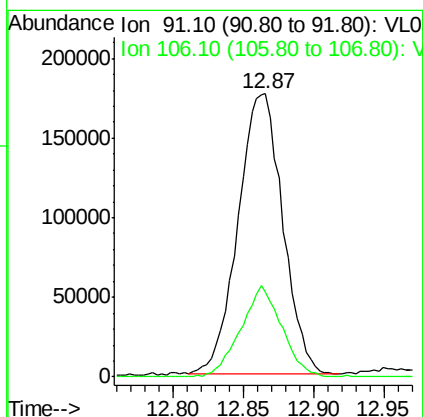
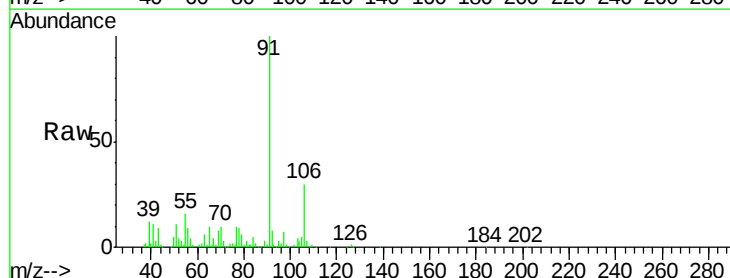
Manual Integrations
APPROVED

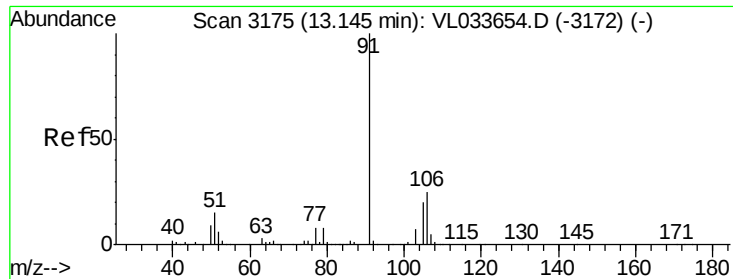
MMDadoda
5/16/2019 5:41:04 AM



#58
Ethyl Benzene
Concen: 1.272 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.7	35.5





#59

m/p-Xylene

Concen: 5.439 ppbv

RT: 13.12 min Scan# 3166

Delta R.T. -0.03 min

Lab File: VL033691.D

Acq: 14 May 2019 14:59

Instrument :

MSVOA_L

ClientSampled :

SS01

Tot Ion: 91 Resp: 1475128

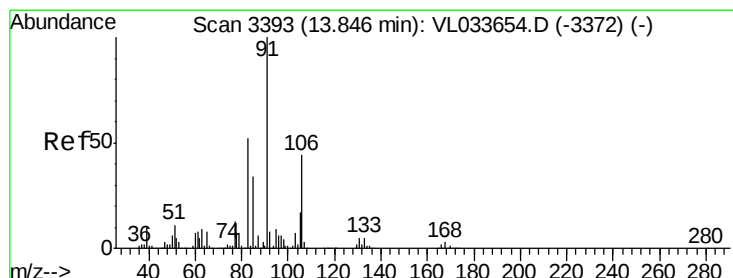
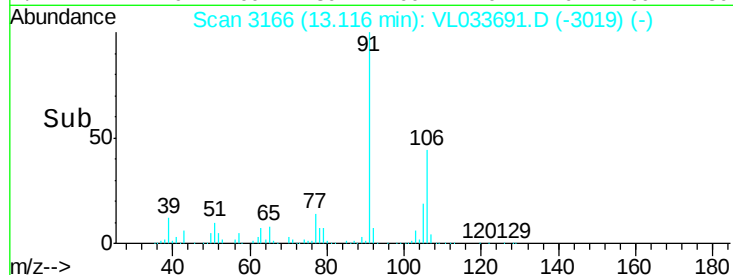
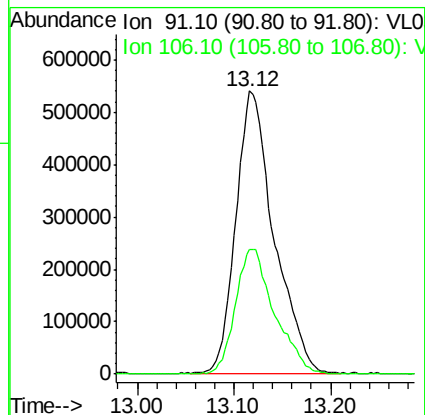
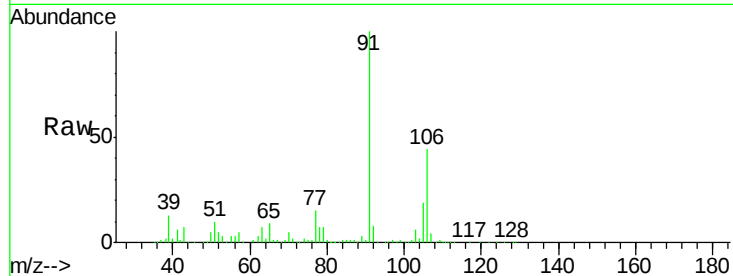
Ion Ratio Lower Upper

91 100

106 45.6 36.2 54.2

Manual Integrations
APPROVED

MMDadoda
5/16/2019 5:41:04 AM



#60

o-Xylene

Concen: 2.993 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VL033691.D

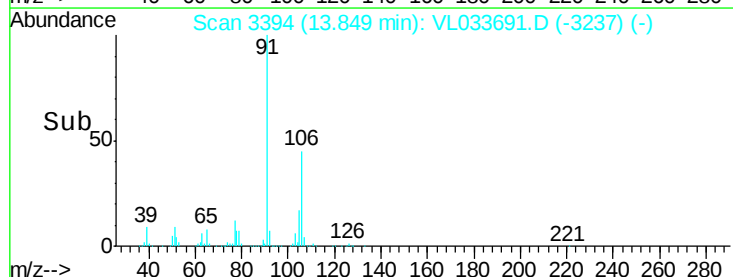
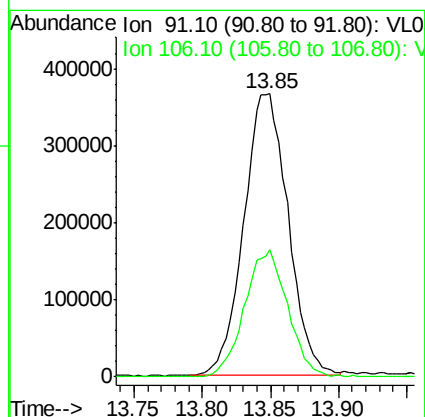
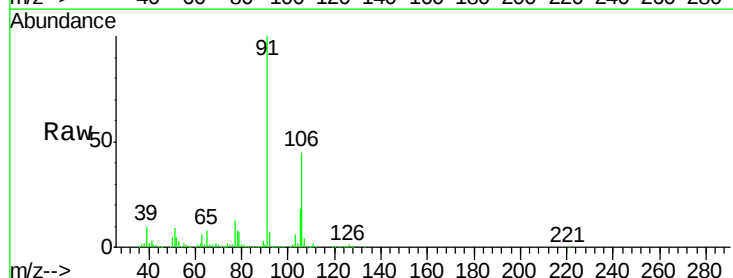
Acq: 14 May 2019 14:59

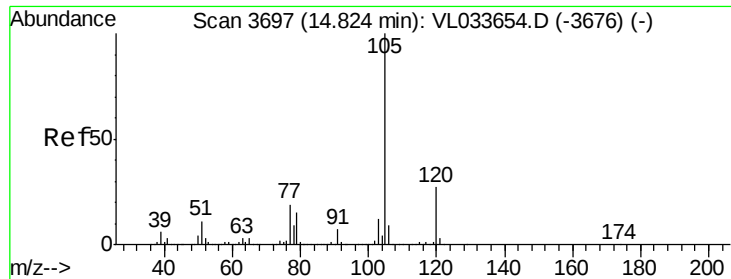
Tgt Ion: 91 Resp: 821519

Ion Ratio Lower Upper

91 100

106 44.0 21.7 65.1





#62

Isopropylbenzene

Concen: 0.437 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033691.D

Acq: 14 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

SS01

Tot Ion:105 Resp: 163912

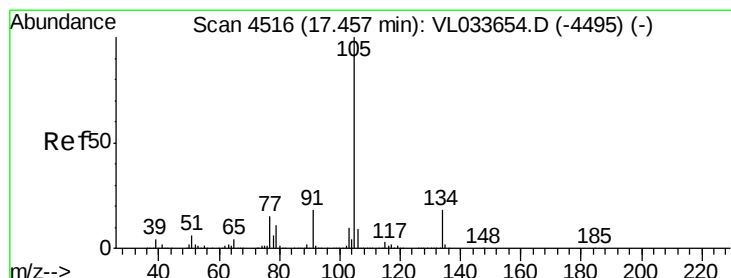
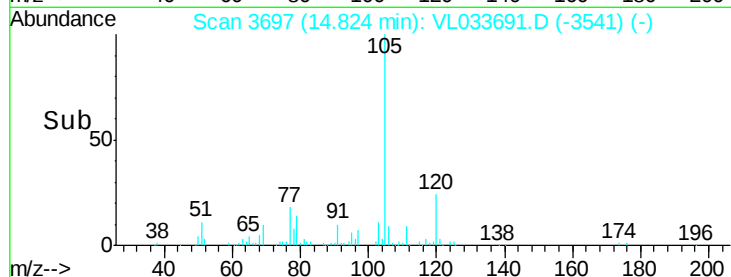
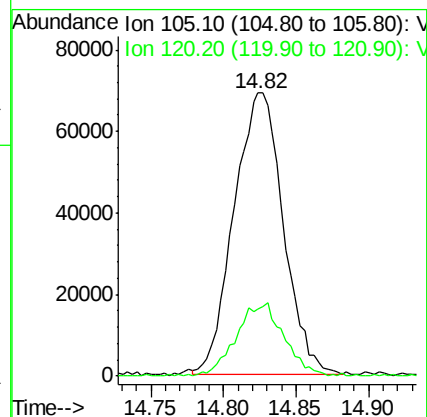
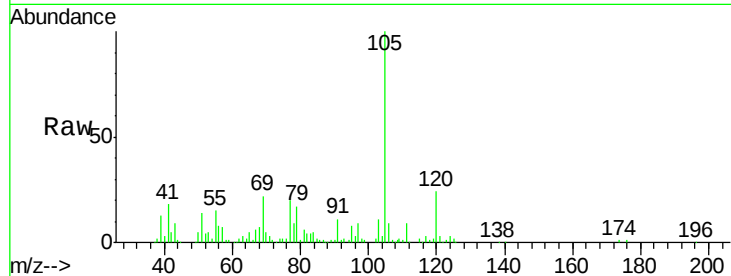
Ion Ratio Lower Upper

105 100

120 25.2 20.5 30.7

Manual Integrations
APPROVED

MMDadoda
5/16/2019 5:41:04 AM



#67

sec-Butylbenzene

Concen: 0.325 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL033691.D

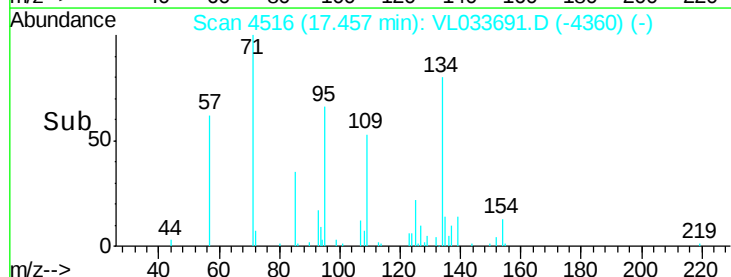
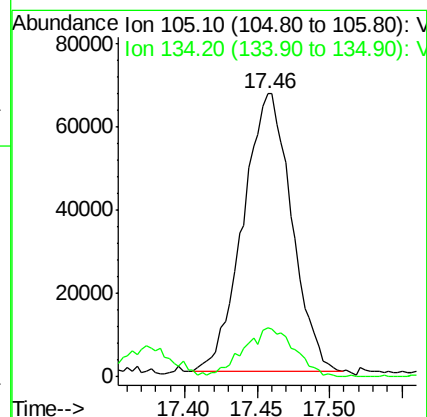
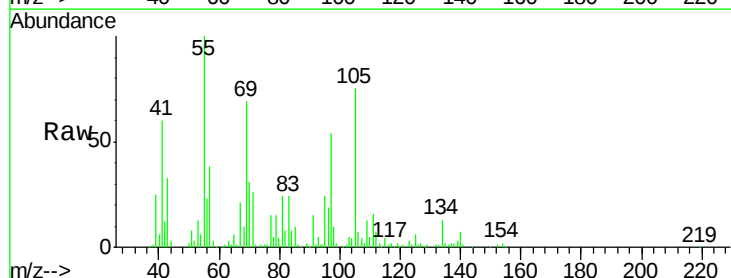
Acq: 14 May 2019 14:59

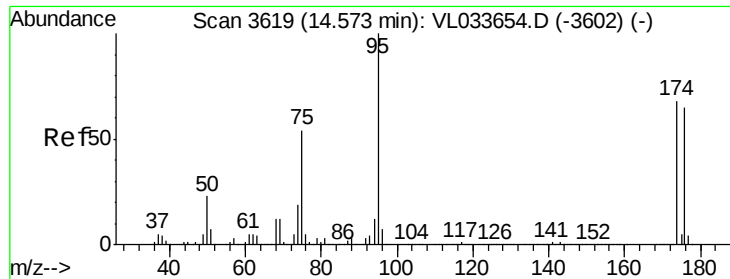
Tgt Ion:105 Resp: 156127

Ion Ratio Lower Upper

105 100

134 18.5 14.6 22.0





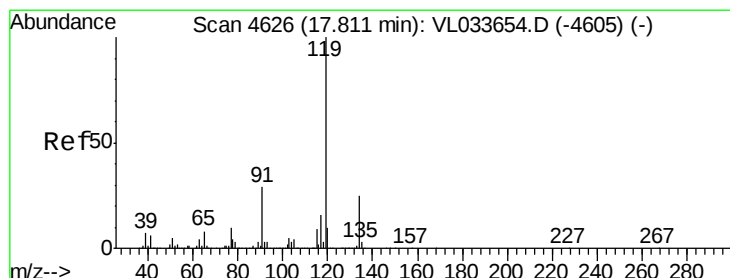
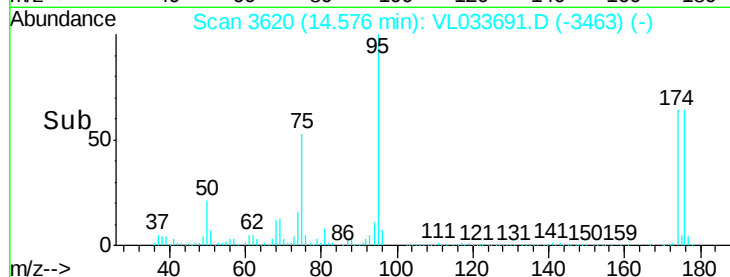
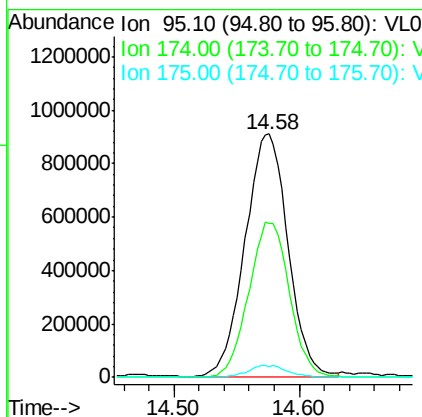
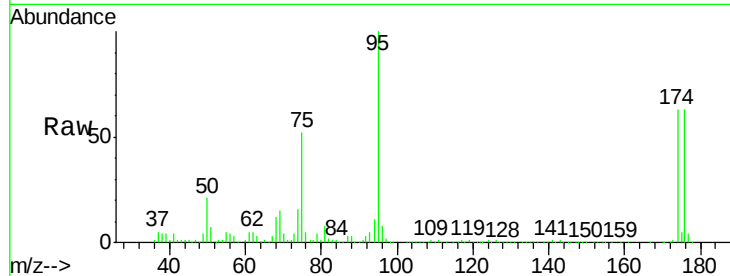
#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.184 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL033691.D
 Acq: 14 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleID :
 SS01

Tot Ion: 95 Resp: 2164784
 Ion Ratio Lower Upper
 95 100
 174 60.7 54.0 81.0
 175 4.6 3.8 5.8

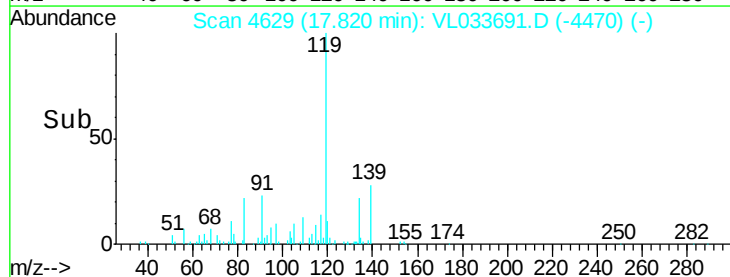
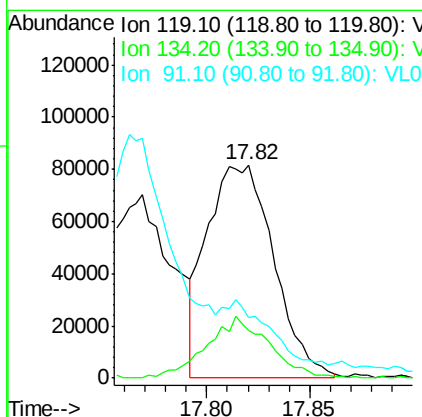
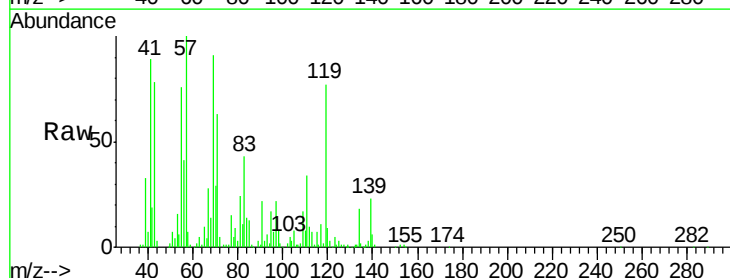
Manual Integrations
 APPROVED

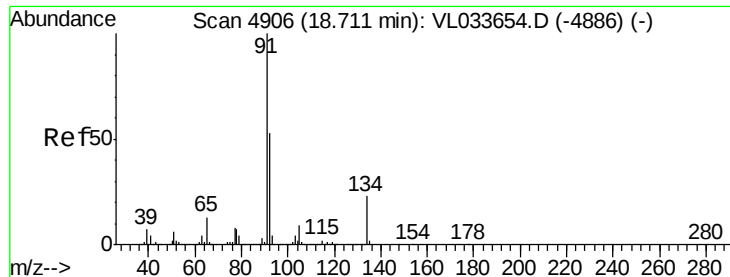
MMDadoda
 5/16/2019 5:41:04 AM



#69
 p-Isopropyltoluene
 Concen: 0.468 ppbv m
 RT: 17.82 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL033691.D
 Acq: 14 May 2019 14:59

Tgt Ion: 119 Resp: 184867
 Ion Ratio Lower Upper
 119 100
 134 27.4 20.2 30.2
 91 0.0 23.4 35.2#





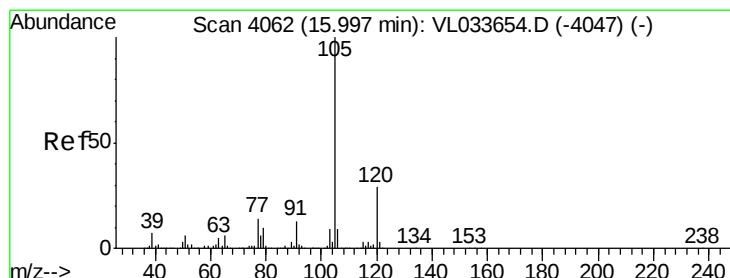
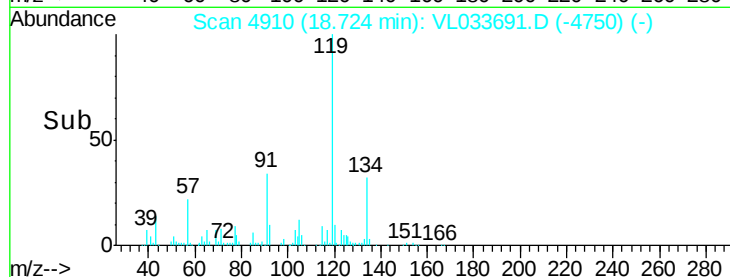
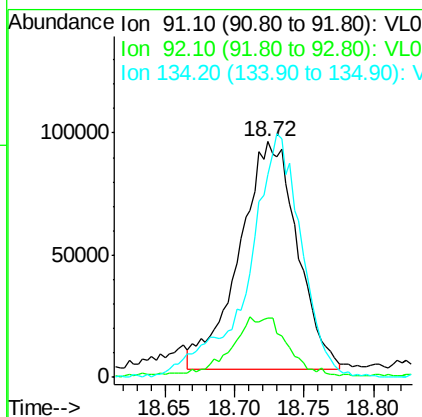
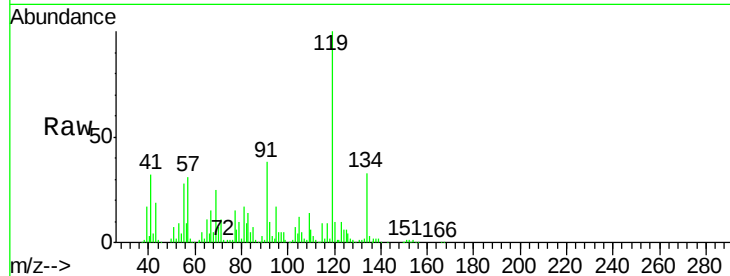
#70
n-Butylbenzene
Concen: 0.652 ppbv m
RT: 18.72 min Scan# 4910
Delta R.T. 0.01 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Instrument :
MSVOA_L
ClientSampled :
SS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	273193		
92	25.5	42.5	63.7#	
134	0.0	18.0	27.0#	

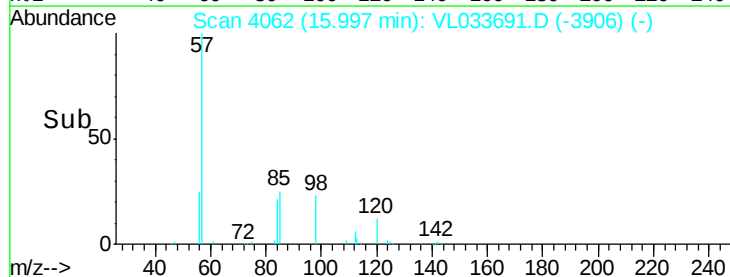
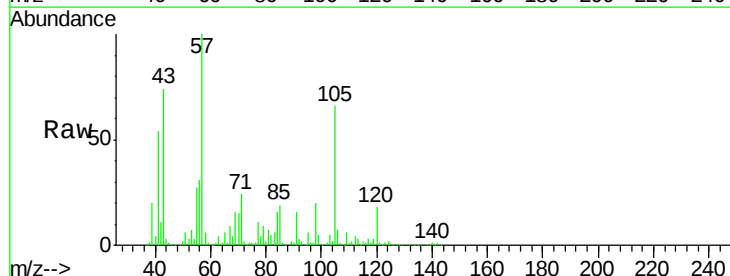
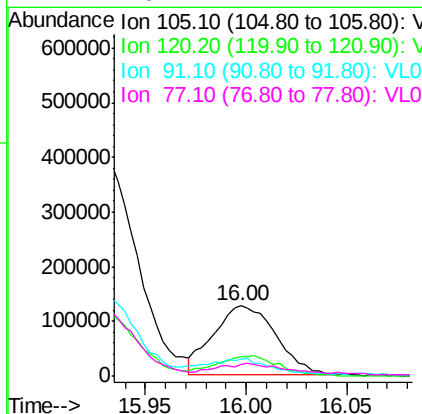
Manual Integrations
APPROVED

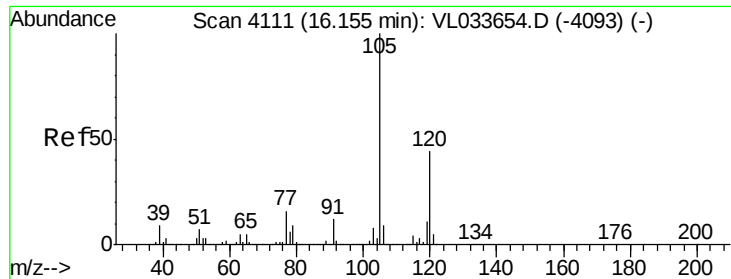
MMDadoda
5/16/2019 5:41:04 AM



#72
4-Ethyltoluene
Concen: 0.834 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	268986		
120	31.0	23.0	34.6	
91	24.4	10.5	15.7#	
77	20.2	11.4	17.2#	





#73

1,3,5-Trimethylbenzene

Concen: 3.807 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. 0.00 min

Lab File: VL033691.D

Acq: 14 May 2019 14:59

Instrument :

MSVOA_L

ClientSampled :

SS01

Tot Ion:105 Resp: 1187546

Ion Ratio Lower Upper

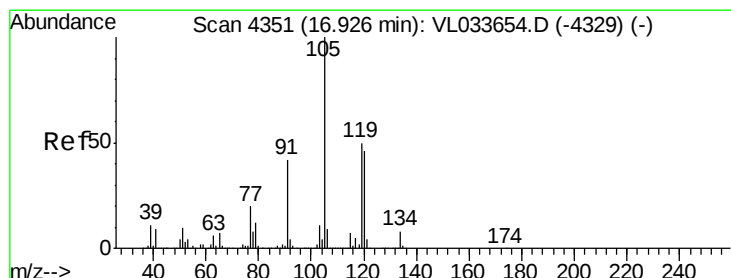
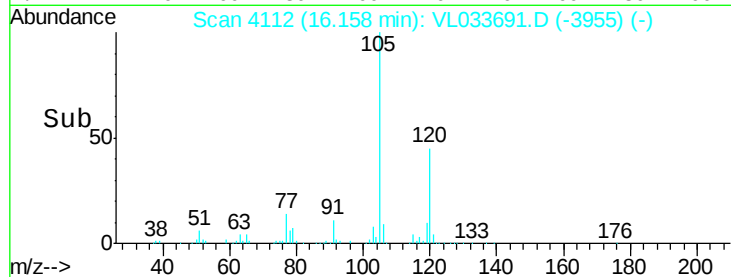
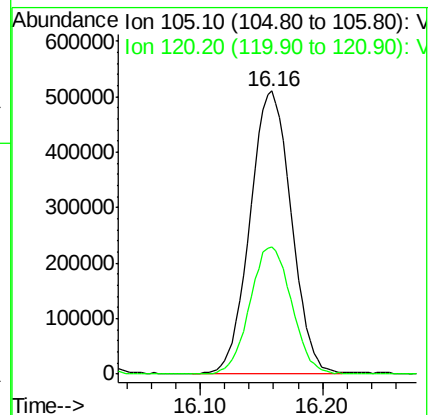
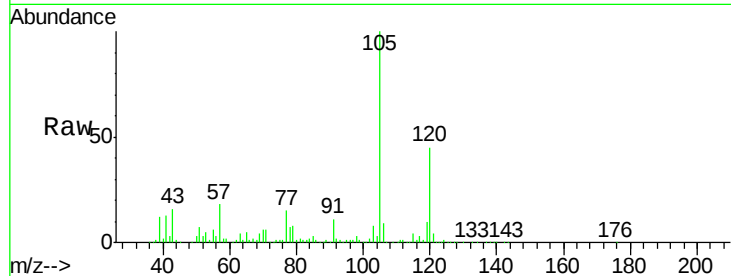
105 100

120 44.9 35.5 53.3

Manual Integrations
APPROVED

MMDadoda

5/16/2019 5:41:04 AM



#74

1,2,4-Trimethylbenzene

Concen: 8.701 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033691.D

Acq: 14 May 2019 14:59

Tgt Ion:105 Resp: 3017148

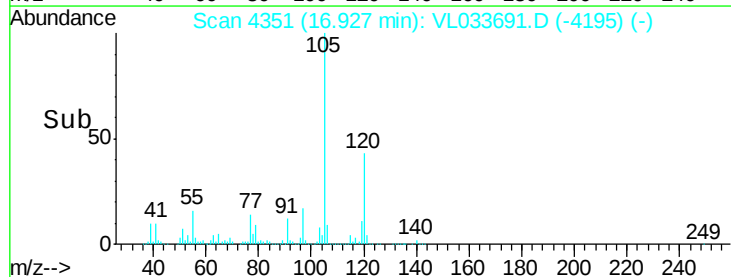
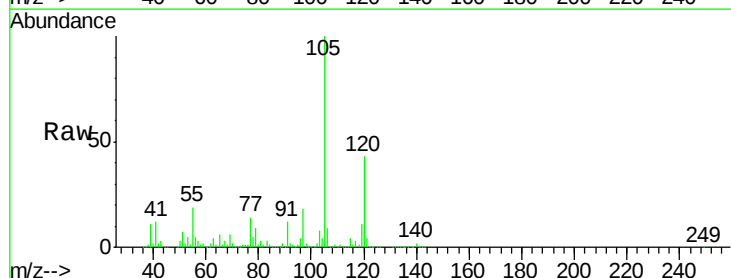
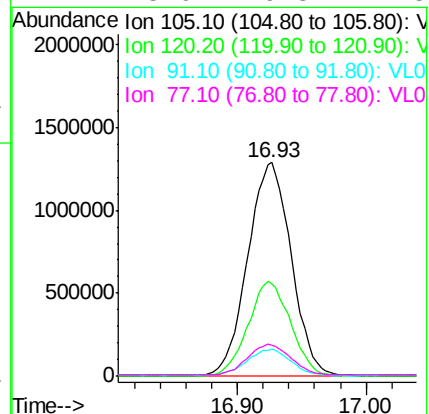
Ion Ratio Lower Upper

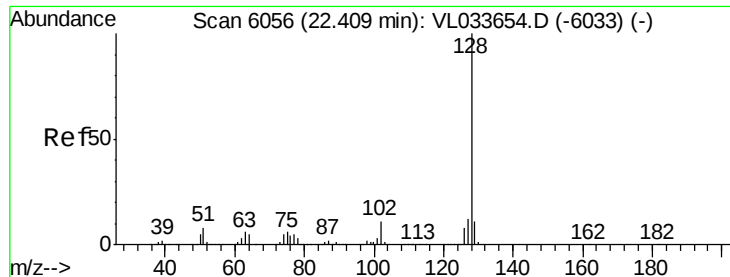
105 100

120 43.3 36.5 54.7

91 12.0 33.7 50.5#

77 13.9 16.3 24.5#





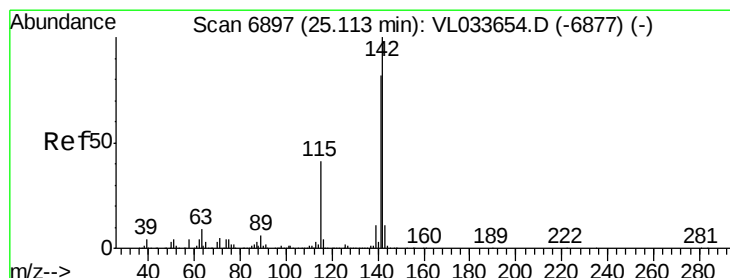
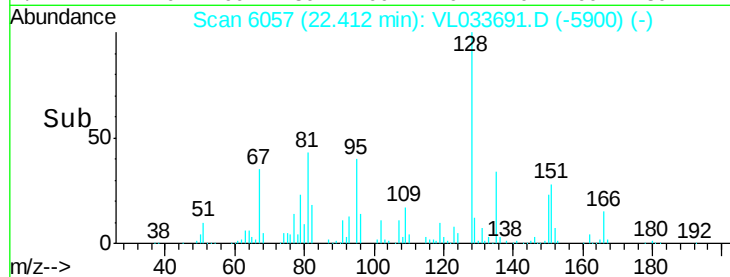
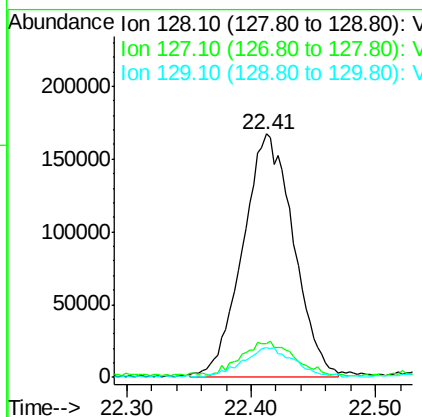
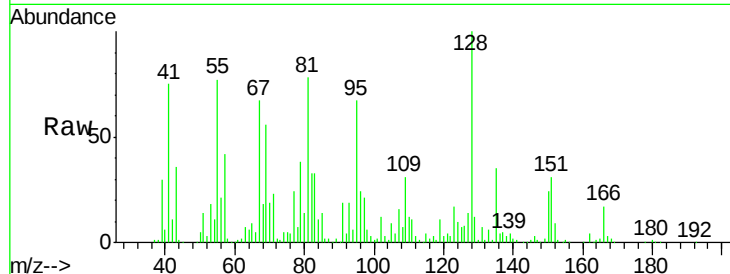
#79
Naphthalene
Concen: 1.502 ppbv m
RT: 22.41 min Scan# 6057
Delta R.T. 0.00 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Instrument :
MSVOA_L
ClientSampled :
SS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	475369		
127	13.7		9.8	14.8
129	12.0		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/16/2019 5:41:04 AM



#80
Naphthalene, 2-methyl-
Concen: 0.433 ppbv m
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033691.D
Acq: 14 May 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	51865		
141	79.7		67.9	101.9
115	38.6		34.2	51.4

