

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036617.D
 Acq On : 1 Apr 2021 1:28
 Operator : SY/AP
 Sample : M1841-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-1

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:06 PM

Quant Time: Apr 02 15:45:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1460296	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3403878	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3344565	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2653481	9.95	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	44313	0.186	ppbv	# 87
4) Chloromethane	3.14	50	24777m	0.257	ppbv	
9) Propene	3.02	41	201214	2.313	ppbv	89
10) Heptane	8.14	43	365743	1.651	ppbv	98
11) Trichlorofluoromethane	3.96	101	80168	0.330	ppbv	95
13) Ethanol	3.62	45	5219493	503.920	ppbv	93
15) Acetone	3.85	43	19853794	138.135	ppbv	# 71
17) tert-Butyl alcohol	4.31	59	1550237	12.390	ppbv	98
19) Isopropyl Alcohol	3.99	45	10963454	138.666	ppbv	# 1
20) Methylene Chloride	4.36	84	104755	1.557	ppbv	94
26) Hexane	5.70	57	1311561	8.271	ppbv	# 50
27) Carbon Disulfide	4.56	76	37533	0.240	ppbv	# 57
28) Methyl tert-Butyl Ether	5.05	73	23170	0.124	ppbv	# 52
29) Chloroform	5.77	83	26588m	0.105	ppbv	
30) Cyclohexane	7.15	84	60155m	0.468	ppbv	
32) 1,1,1-Trichloroethane	6.54	97	40475	0.158	ppbv	97
34) 2-Butanone	5.26	43	3442308	20.718	ppbv	98
35) Carbon Tetrachloride	7.04	117	13440m	0.051	ppbv	
36) Benzene	6.91	78	460344	1.466	ppbv	94
44) 2,2,4-Trimethylpentane	7.88	57	699785m	1.267	ppbv	
52) Tetrachloroethene	11.24	164	61852m	0.535	ppbv	
53) Toluene	9.83	91	2634448	7.880	ppbv	99
58) Ethyl Benzene	12.73	91	1749305	3.595	ppbv	97
59) m/p-Xylene	12.99	91	5843338	13.768	ppbv	96
60) o-Xylene	13.72	91	2737180	6.670	ppbv	100
61) Styrene	13.55	104	111797	0.542	ppbv	94
62) Isopropylbenzene	14.69	105	221197	0.400	ppbv	99
64) n-propylbenzene	15.59	120	160651	1.189	ppbv	79
65) tert-Butylbenzene	16.79	119	388574	0.811	ppbv	# 72
67) sec-Butylbenzene	17.32	105	159437m	0.236	ppbv	
69) p-Isopropyltoluene	17.68	119	117659	0.223	ppbv	95
70) n-Butylbenzene	18.59	91	255941	0.467	ppbv	# 45
72) 4-Ethyltoluene	15.86	105	1085553	2.414	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	1160723	2.766	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	3419705	7.614	ppbv	# 70
79) Naphthalene	22.24	128	86579m	0.330	ppbv	

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

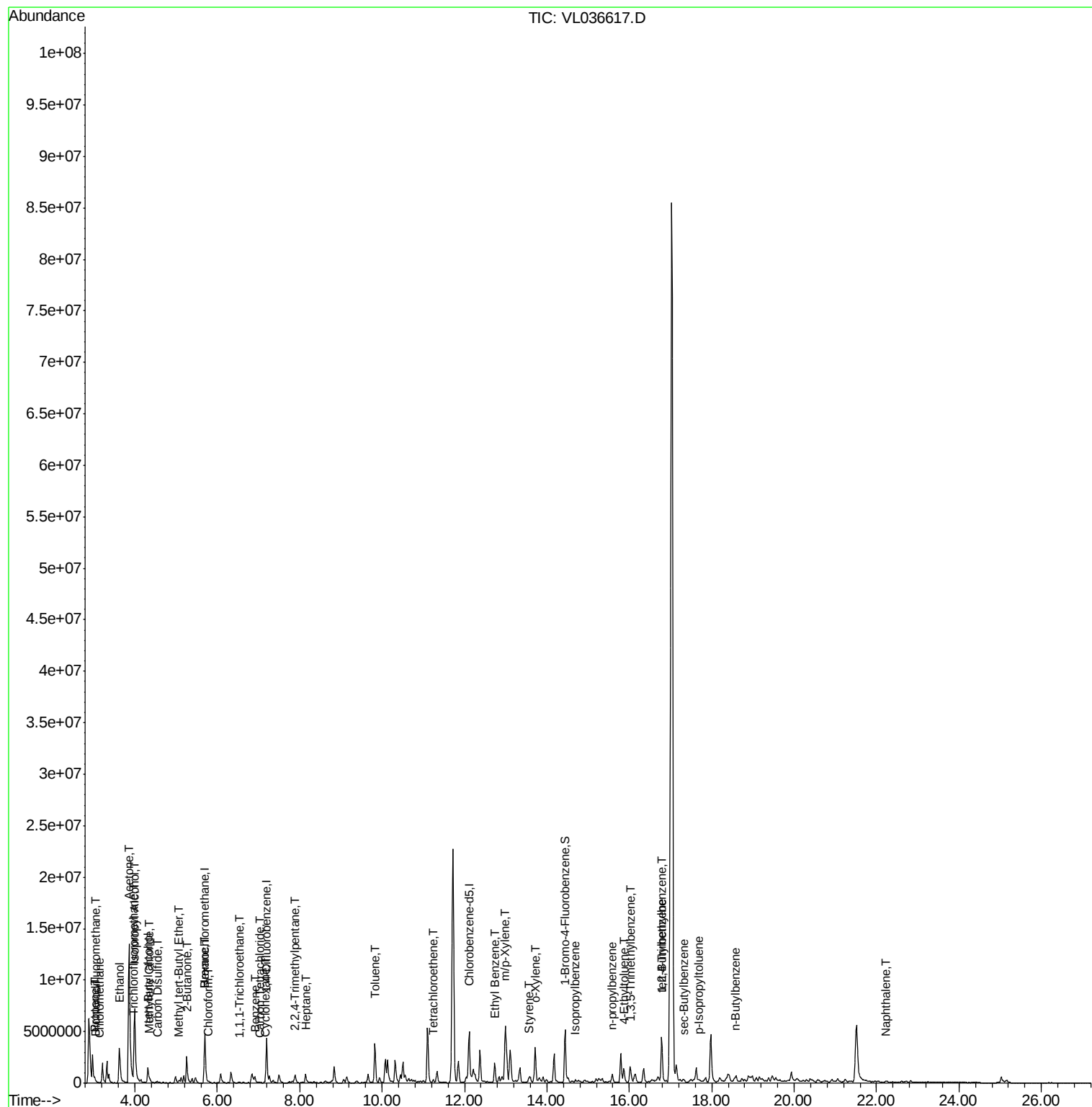
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033121\
Data File : VL036617.D
Acq On : 1 Apr 2021 1:28
Operator : SY/AP
Sample : M1841-04
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:54:06 PM

Quant Time: Apr 02 15:45:09 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-1

Tot Ion: 49 Resp: 1460296

Ion Ratio Lower Upper

49 100

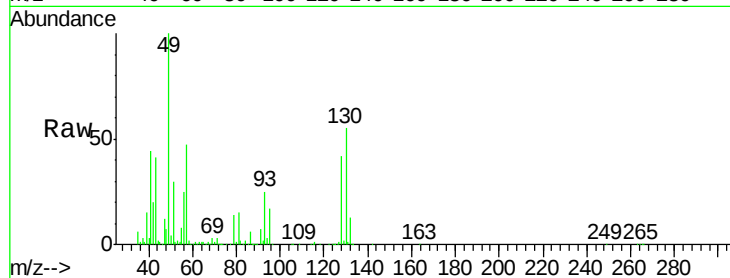
128 44.5 23.5 70.6

130 56.8 29.1 87.4

Manual Integrations
APPROVED

MMDadoda

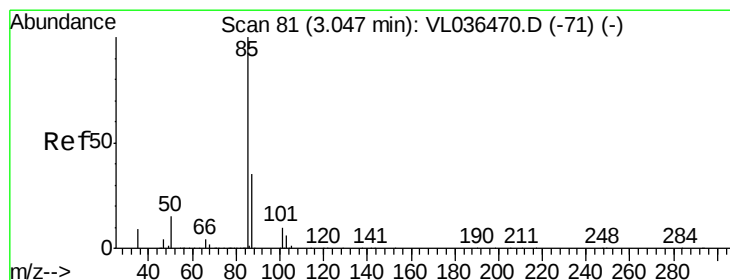
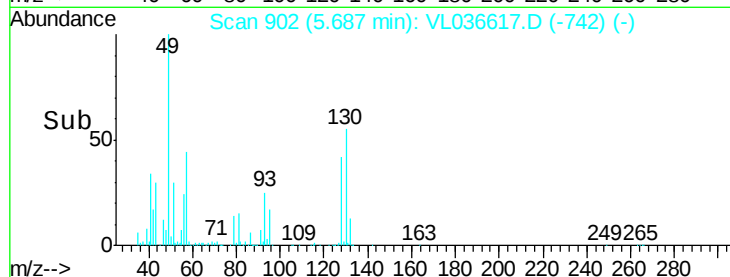
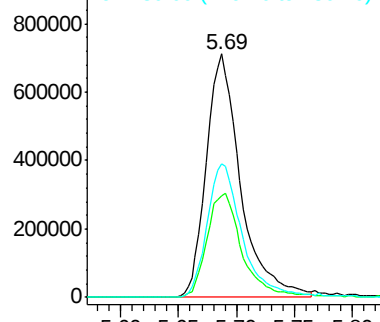
4/2/2021 6:54:06 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.186 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036617.D

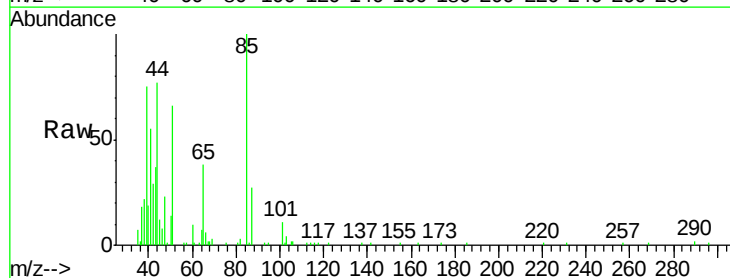
Acq: 1 Apr 2021 1:28

Tgt Ion: 85 Resp: 44313

Ion Ratio Lower Upper

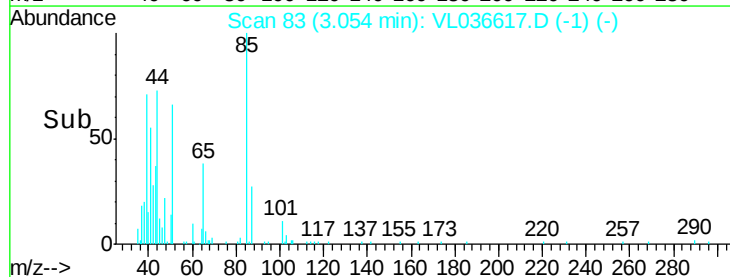
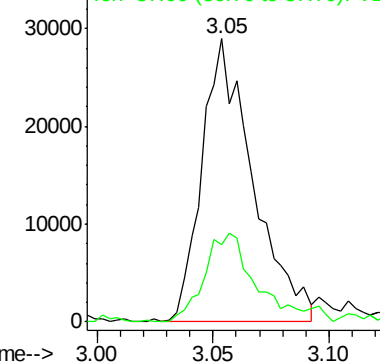
85 100

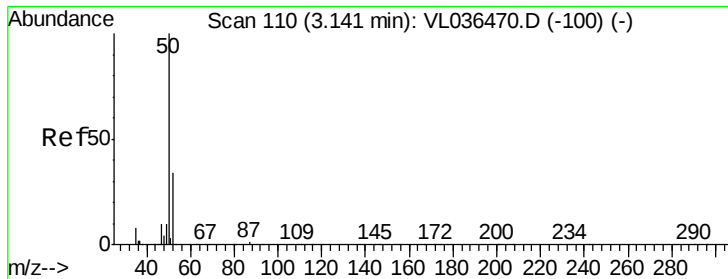
87 27.3 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.257 ppbv m

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-1

Tot Ion: 50 Resp: 24777

Ion Ratio Lower Upper

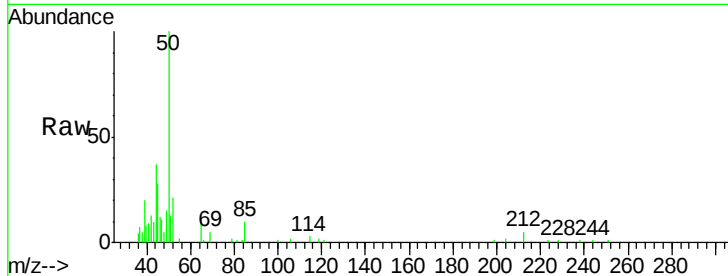
50 100

52 21.4 27.0 40.6#

Manual Integrations
APPROVED

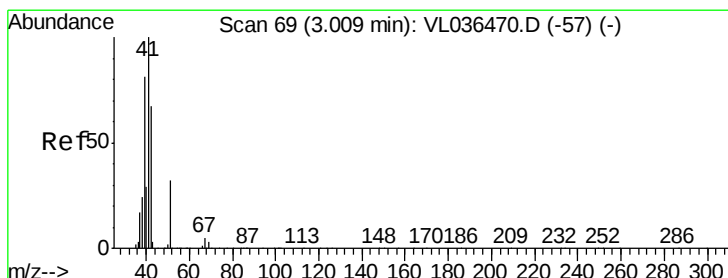
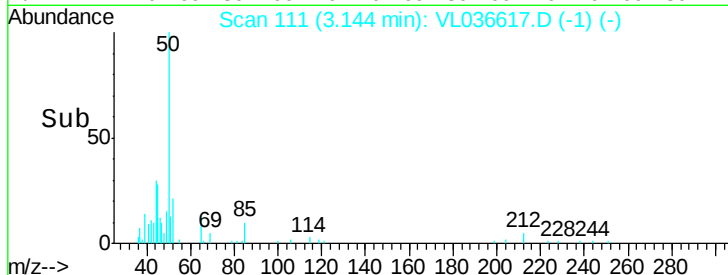
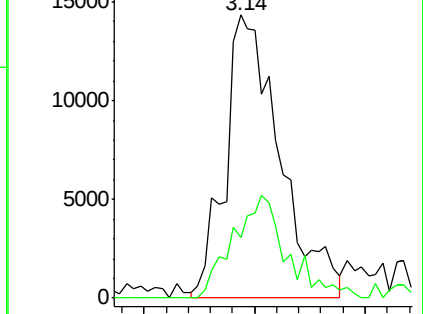
MMDadoda

4/2/2021 6:54:06 PM



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 2.313 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL036617.D

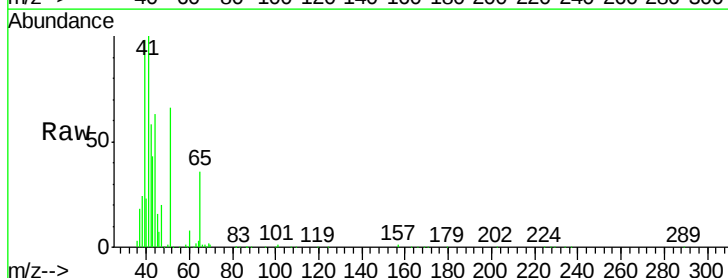
Acq: 1 Apr 2021 1:28

Tgt Ion: 41 Resp: 201214

Ion Ratio Lower Upper

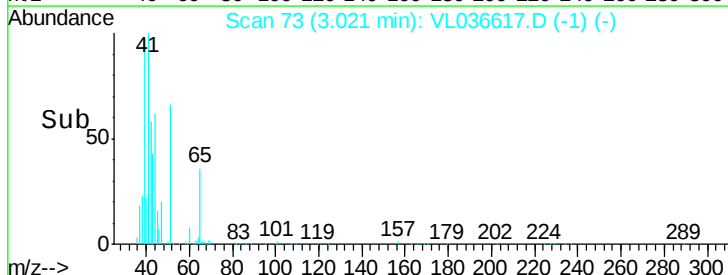
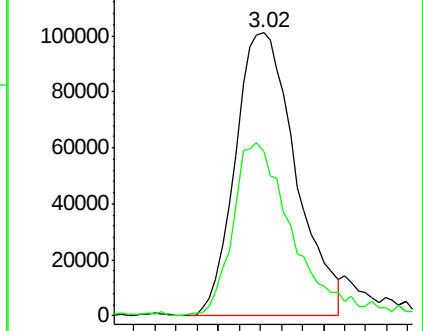
41 100

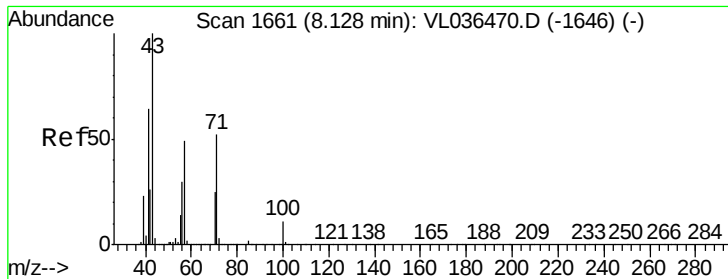
42 61.9 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





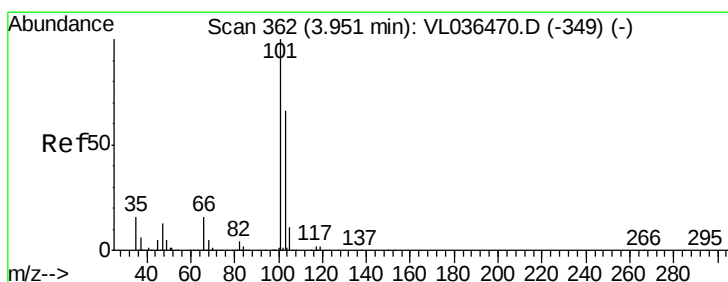
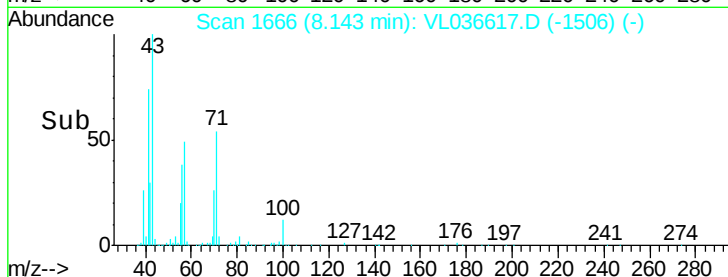
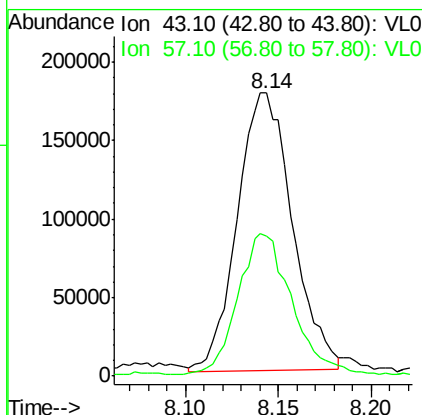
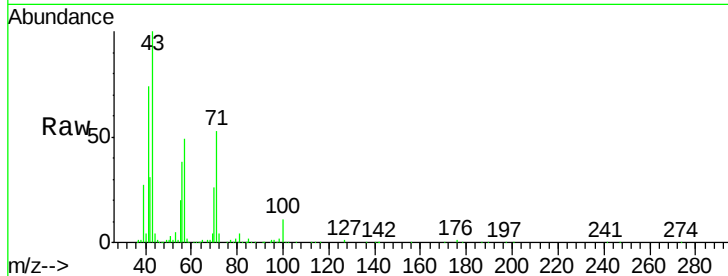
#10
Heptane
Concen: 1.651 ppbv
RT: 8.14 min Scan# 1666
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1

Tot Ion: 43 Resp: 365743
Ion Ratio Lower Upper
43 100
57 50.3 39.0 58.6

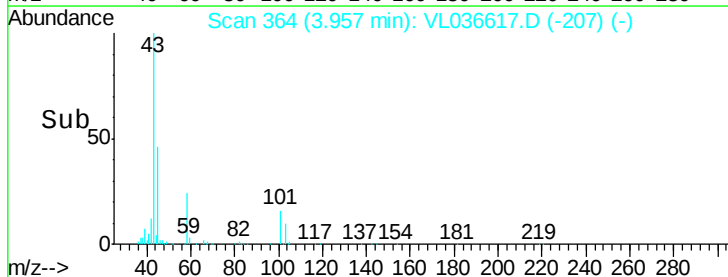
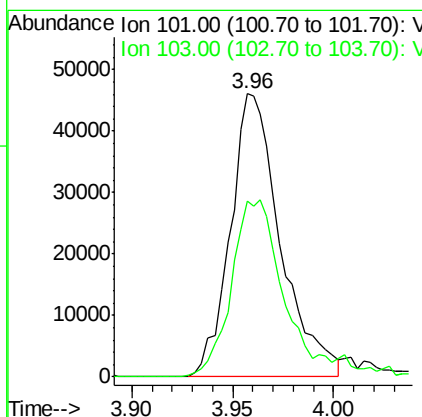
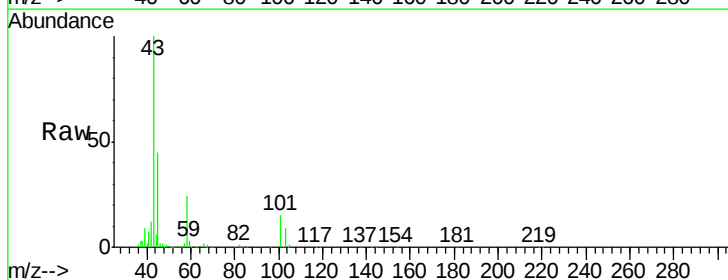
Manual Integrations
APPROVED

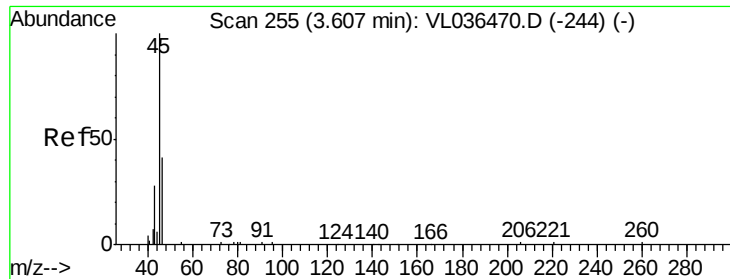
MMDadoda
4/2/2021 6:54:06 PM



#11
Trichlorofluoromethane
Concen: 0.330 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Tgt Ion: 101 Resp: 80168
Ion Ratio Lower Upper
101 100
103 61.7 52.5 78.7





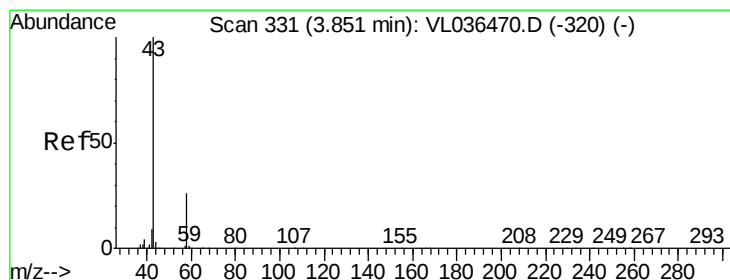
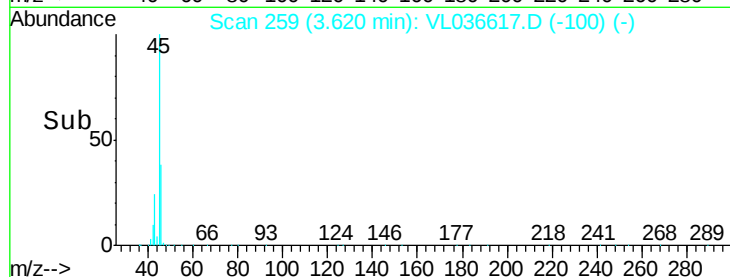
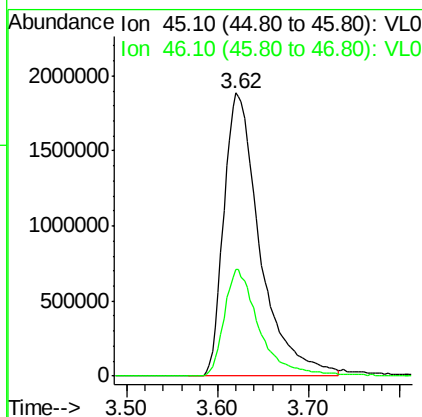
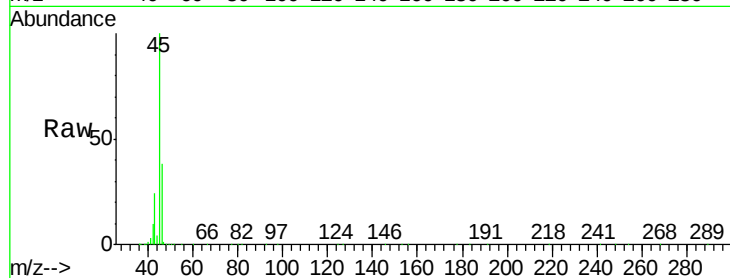
#13
Ethanol
Concen: 503.920 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1

Tot Ion: 45 Resp: 5219493
Ion Ratio Lower Upper
45 100
46 36.9 16.6 66.2

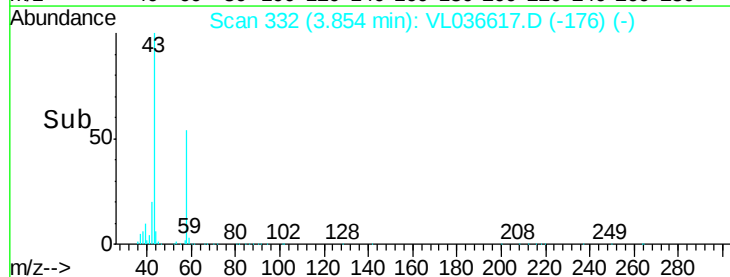
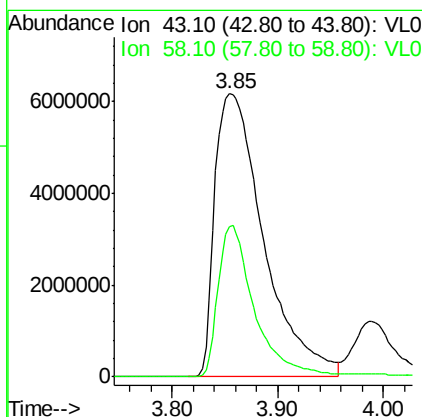
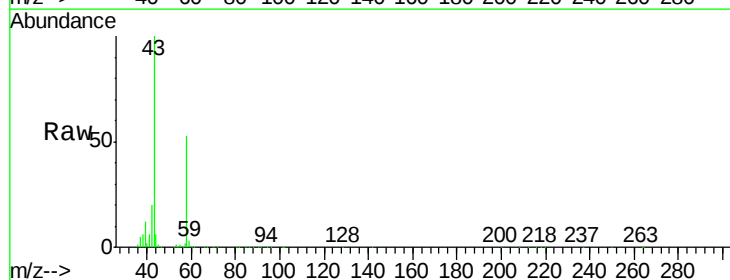
Manual Integrations
APPROVED

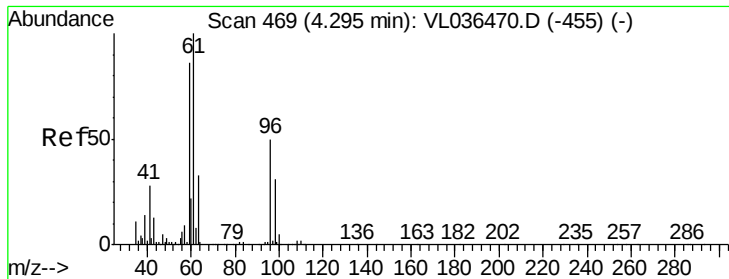
MMDadoda
4/2/2021 6:54:06 PM



#15
Acetone
Concen: 138.135 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Tgt Ion: 43 Resp: 19853794
Ion Ratio Lower Upper
43 100
58 41.2 21.2 31.8#





#17

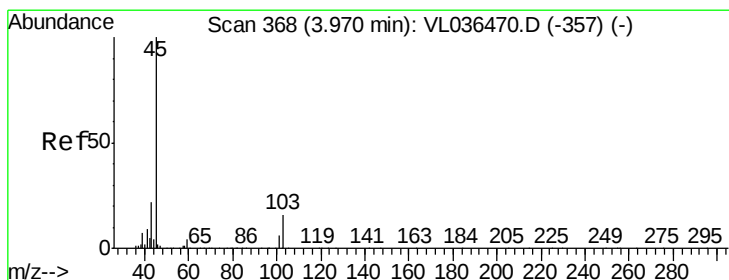
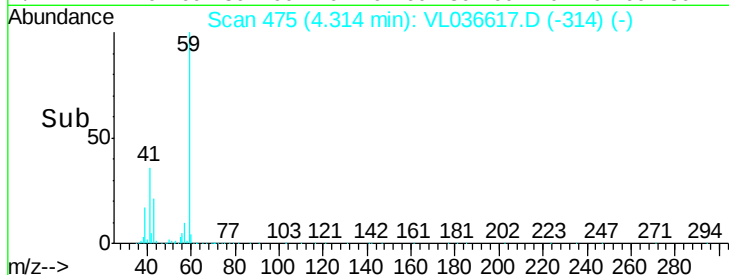
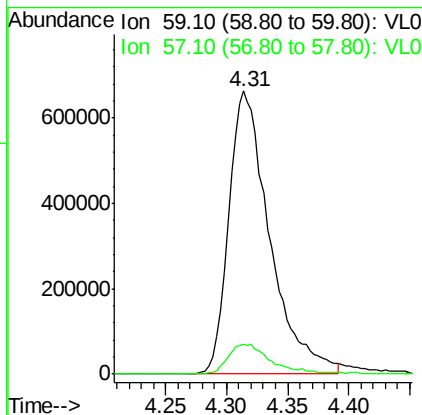
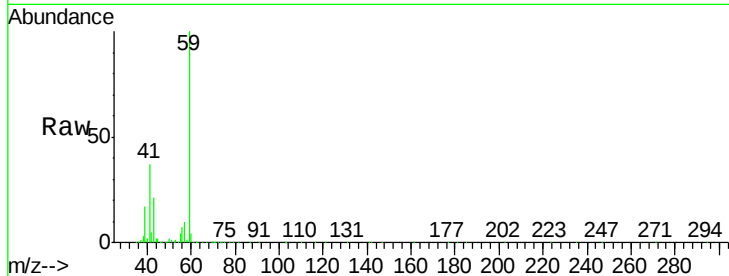
tert-Butyl alcohol
Concen: 12.390 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1

Tot Ion: 59 Resp: 1550237
Ion Ratio Lower Upper
59 100
57 11.6 8.6 12.8

Manual Integrations
APPROVED

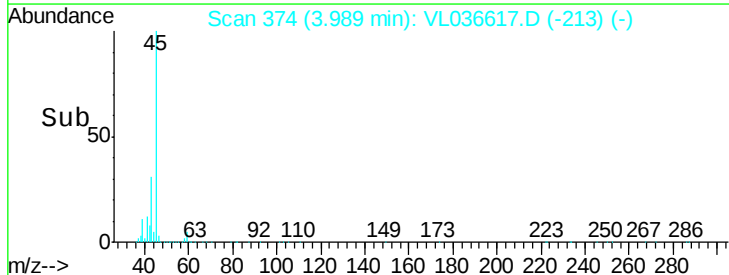
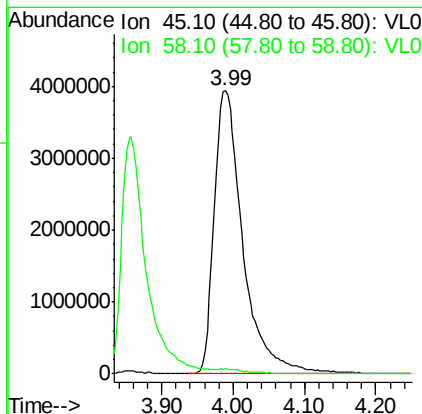
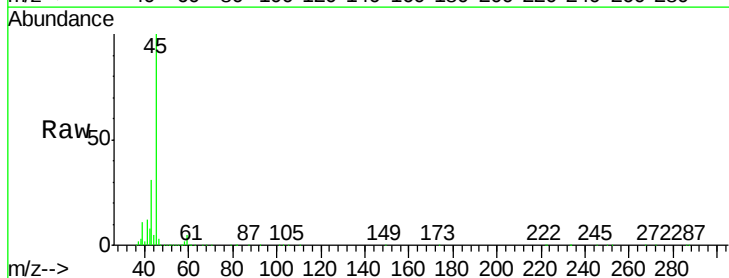
MMDadoda
4/2/2021 6:54:06 PM

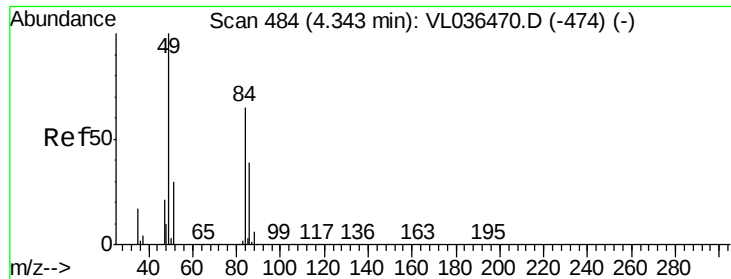


#19

Isopropyl Alcohol
Concen: 138.666 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Tgt Ion: 45 Resp: 10963454
Ion Ratio Lower Upper
45 100
58 74.7 2.9 4.3#





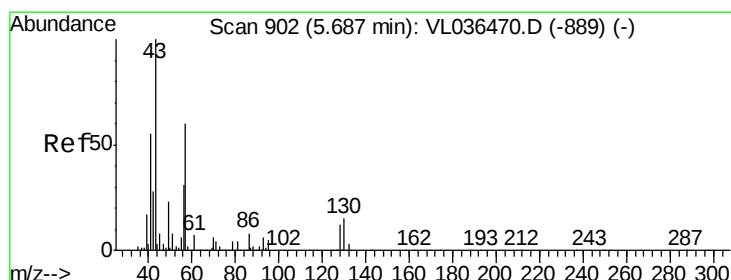
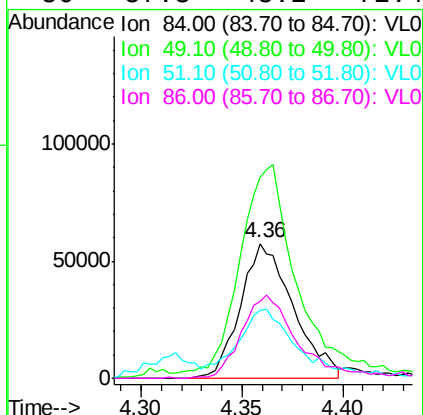
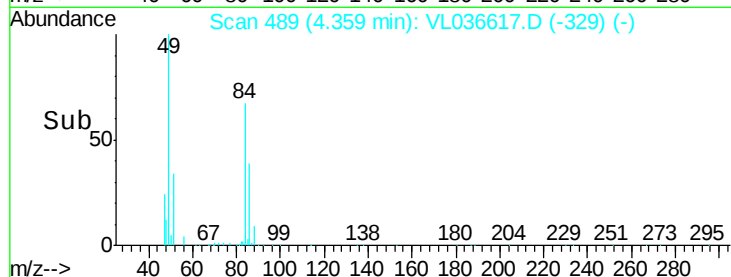
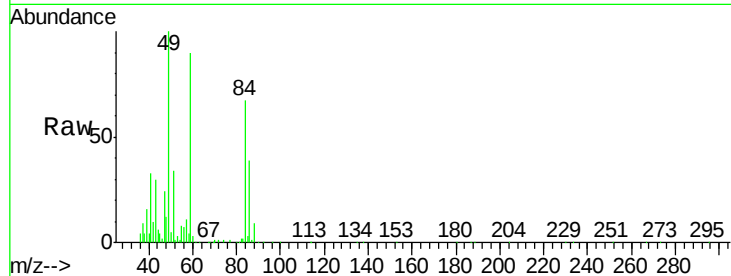
#20
Methvlene Chloride
Concen: 1.557 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1

Tot Ion	84	Resp	104755
Ion	Ratio	Lower	Upper
84	100		
49	143.2	122.9	184.3
51	43.7	36.9	55.3
86	57.3	48.2	72.4

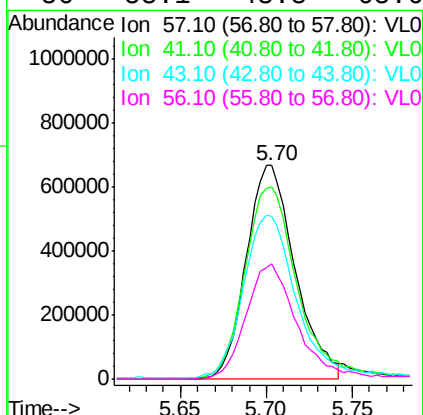
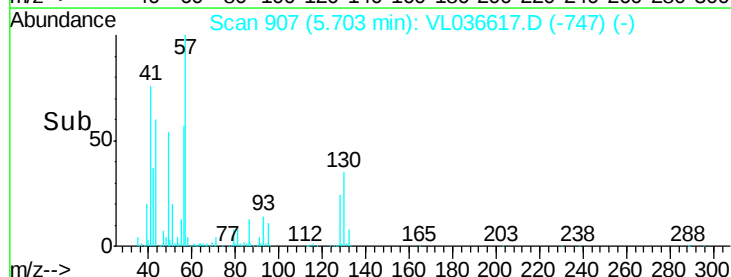
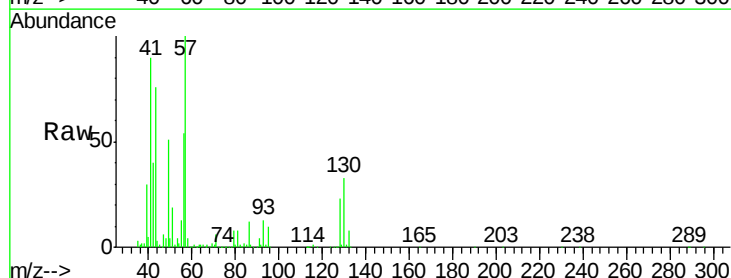
Manual Integrations
APPROVED

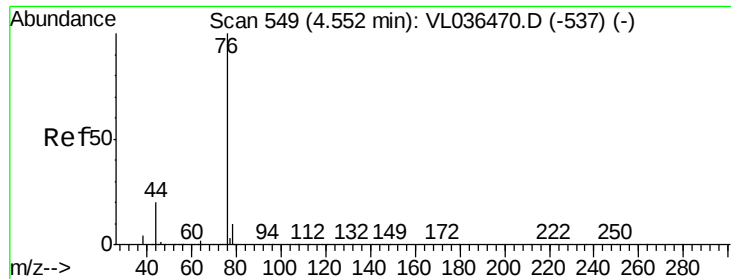
MMDadoda
4/2/2021 6:54:06 PM



#26
Hexane
Concen: 8.271 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Tgt Ion	57	Resp	1311561
Ion	Ratio	Lower	Upper
57	100		
41	100.9	77.2	115.8
43	86.3	173.8	260.6#
56	58.1	43.8	65.6





#27

Carbon Disulfide

Concen: 0.240 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Instrument :

MSVOA_L

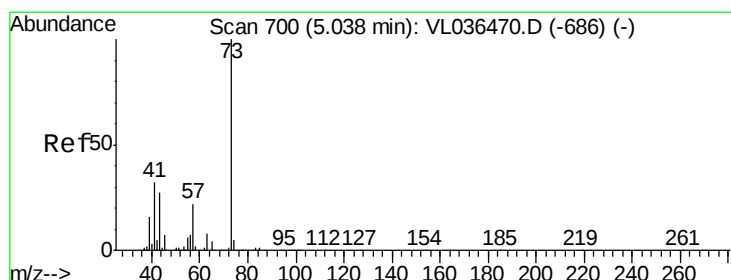
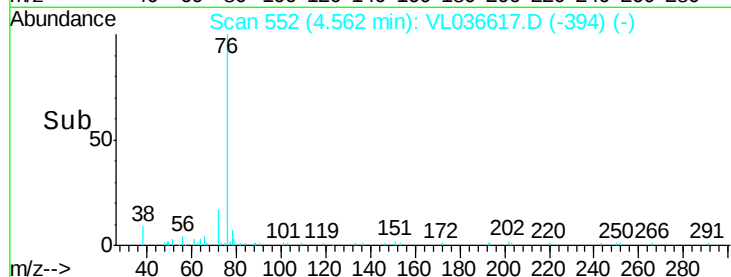
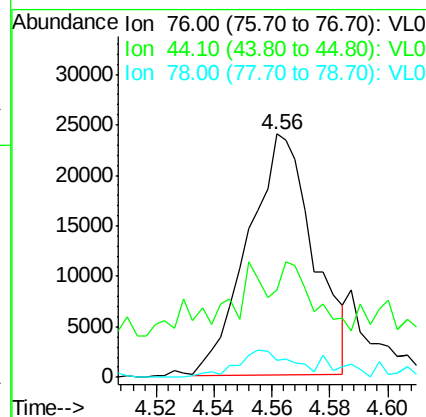
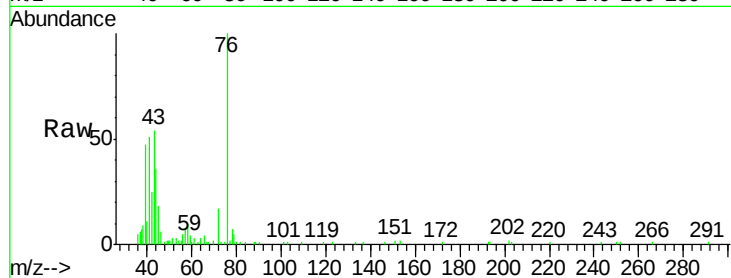
ClientSampleId :

PBS-SS-1

Tot Ion:	76	Resp:	37533
Ion	Ratio	Lower	Upper
76	100		
44	50.4	17.5	26.3#
78	14.4	8.6	13.0#

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:54:06 PM



#28

Methyl tert-Butyl Ether

Concen: 0.124 ppbv

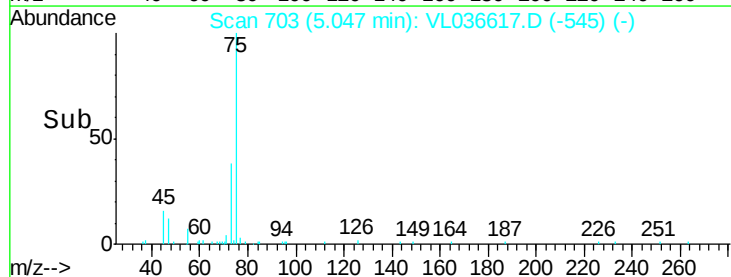
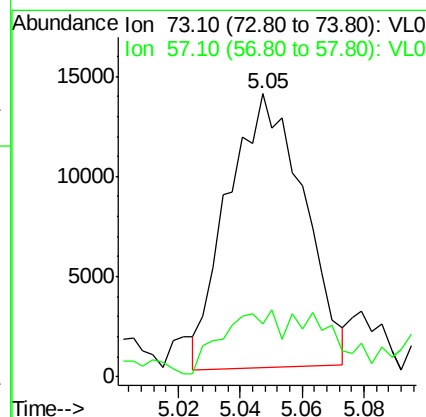
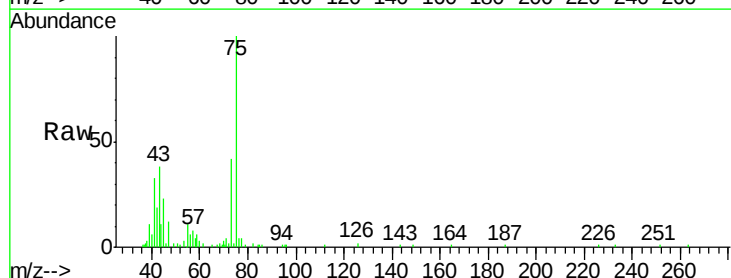
RT: 5.05 min Scan# 703

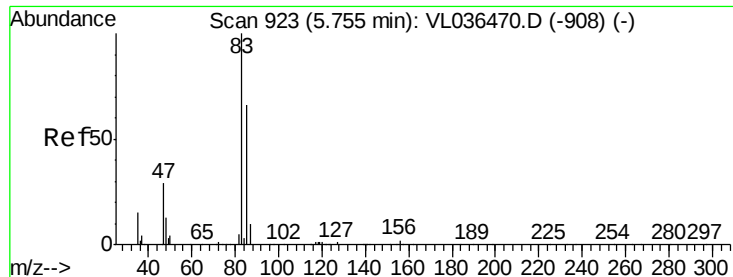
Delta R.T. 0.01 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Tgt Ion:	73	Resp:	23170
Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.5	27.7#





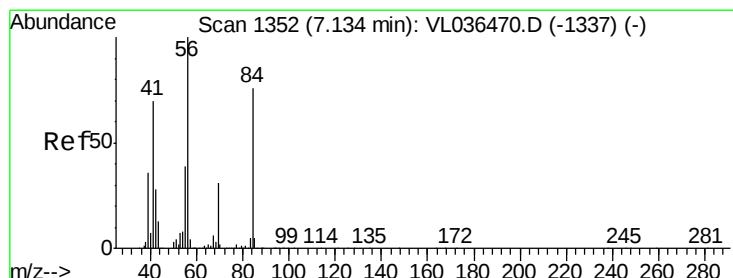
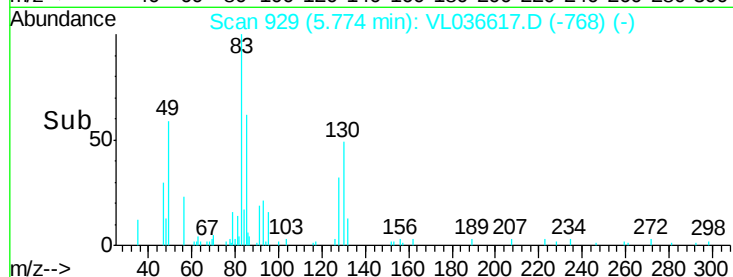
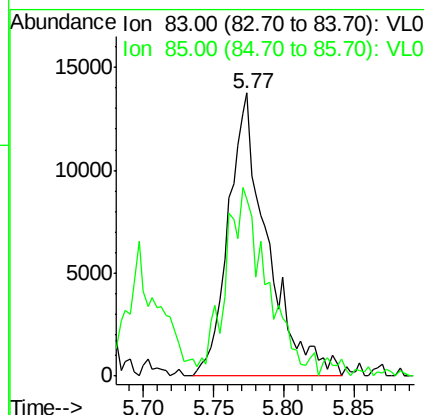
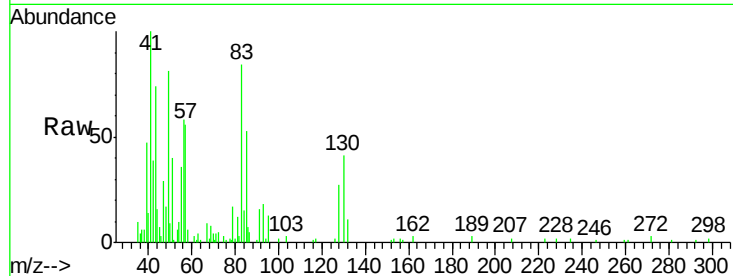
#29
Chloroform
Concen: 0.105 ppbv m
RT: 5.77 min Scan# 929
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1

Tot Ion	83	Resp	26588
Ion Ratio	100	Lower	Upper
85	62.4	52.6	78.8

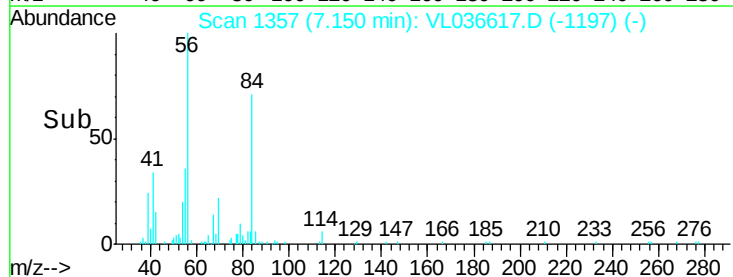
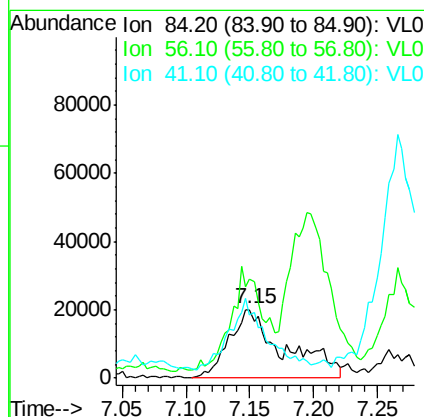
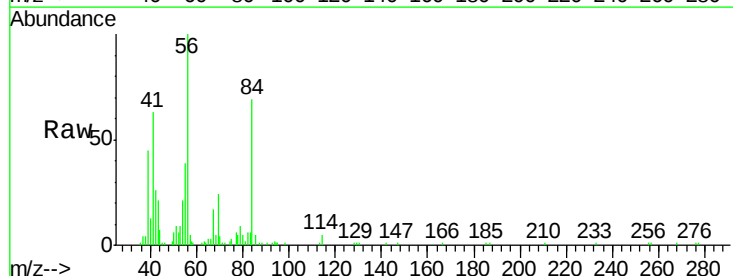
Manual Integrations
APPROVED

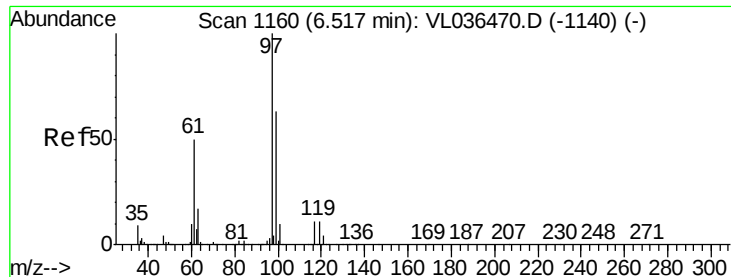
MMDadoda
4/2/2021 6:54:06 PM



#30
Cyclohexane
Concen: 0.468 ppbv m
RT: 7.15 min Scan# 1357
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Tgt Ion	84	Resp	60155
Ion Ratio	100	Lower	Upper
56	90.9	114.6	171.8#
41	75.3	75.3	112.9





#32

1,1,1-Trichloroethane

Concen: 0.158 ppbv

RT: 6.54 min Scan# 1166

Delta R.T. 0.02 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Instrument :

MSVOA_L

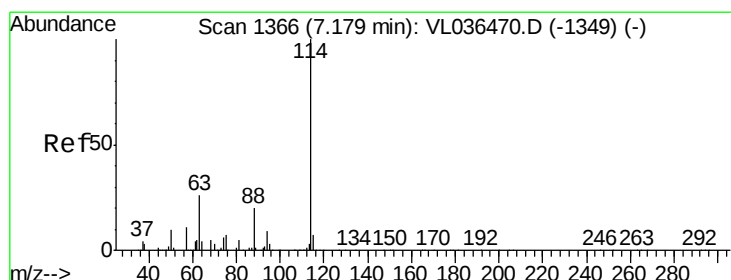
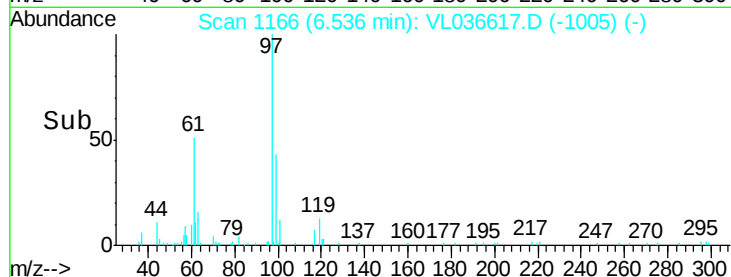
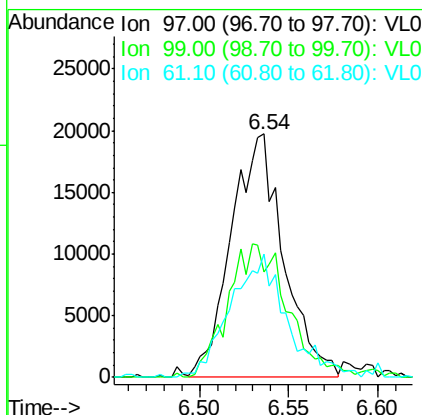
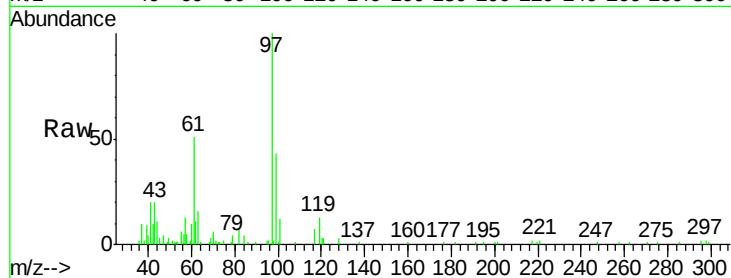
ClientSampled :

PBS-SS-1

Tot Ion:	97	Resp:	40475
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.4	77.0
61	55.1	40.6	60.8

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:54:06 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

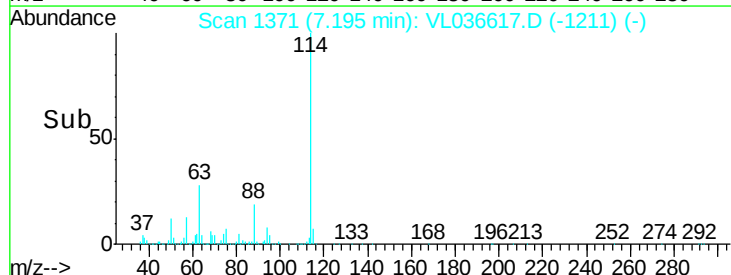
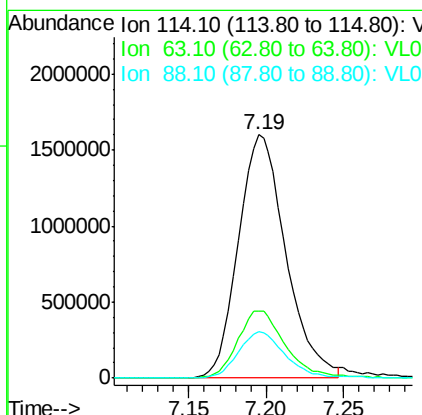
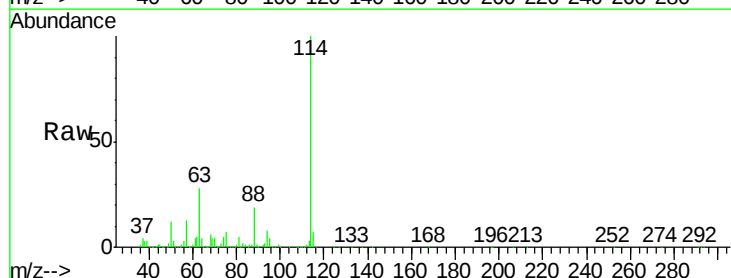
RT: 7.19 min Scan# 1371

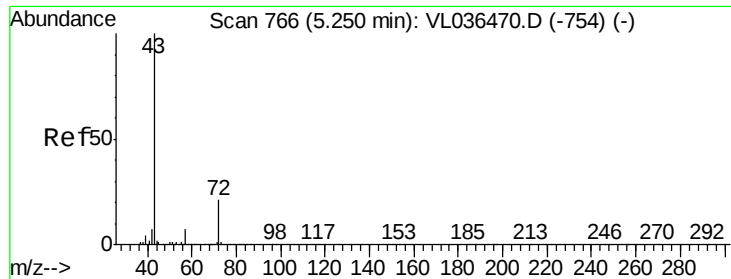
Delta R.T. 0.02 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Tgt Ion:	114	Resp:	3403878
Ion Ratio	Lower	Upper	
114	100		
63	28.3	22.4	33.6
88	19.3	15.4	23.0





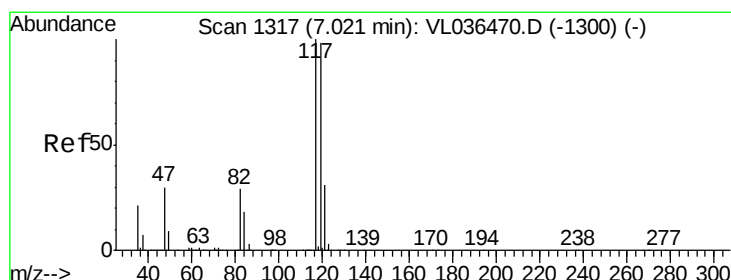
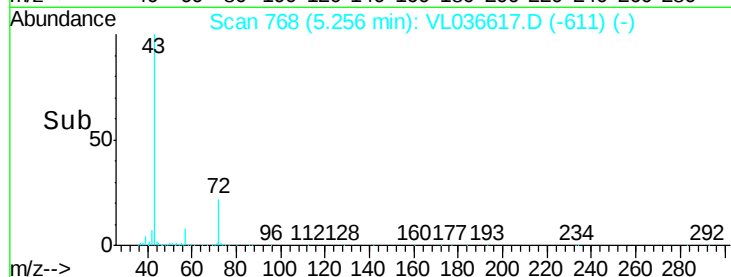
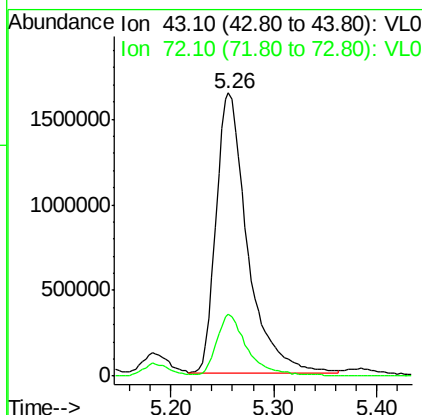
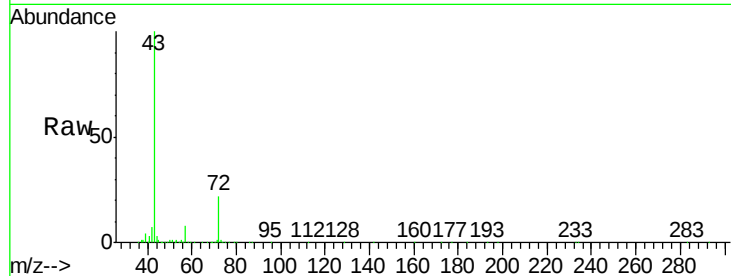
#34
2-Butanone
Concen: 20.718 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1

Tot Ion: 43 Resp: 3442308
Ion Ratio Lower Upper
43 100
72 22.2 17.0 25.6

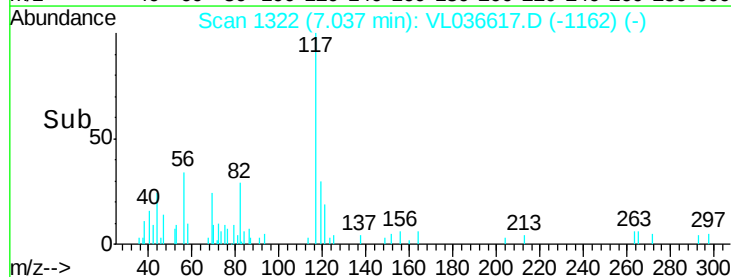
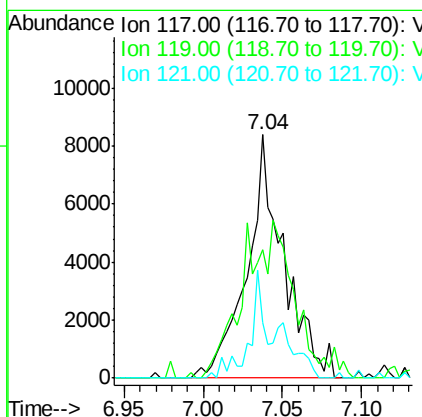
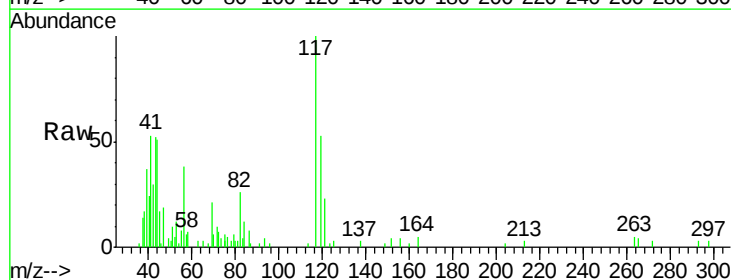
Manual Integrations
APPROVED

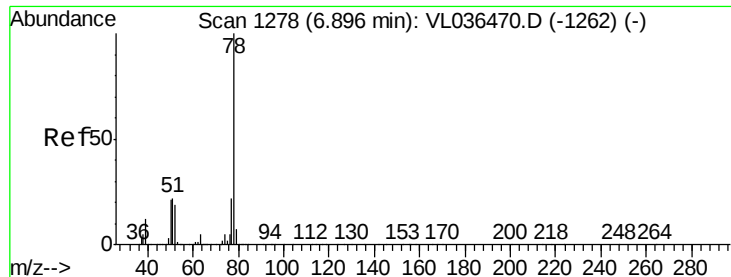
MMDadoda
4/2/2021 6:54:06 PM



#35
Carbon Tetrachloride
Concen: 0.051 ppbv m
RT: 7.04 min Scan# 1322
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Tgt Ion: 117 Resp: 13440
Ion Ratio Lower Upper
117 100
119 52.8 78.2 117.2#
121 22.6 24.5 36.7#





#36

Benzene

Concen: 1.466 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.02 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Instrument :

MSVOA_L

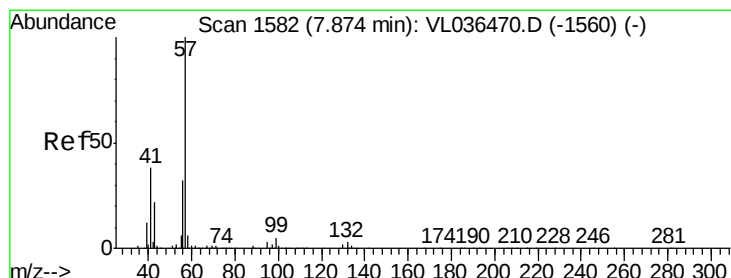
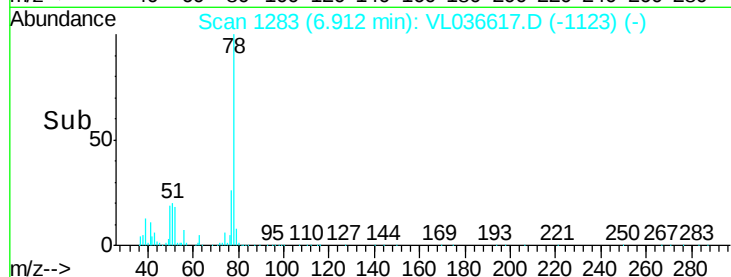
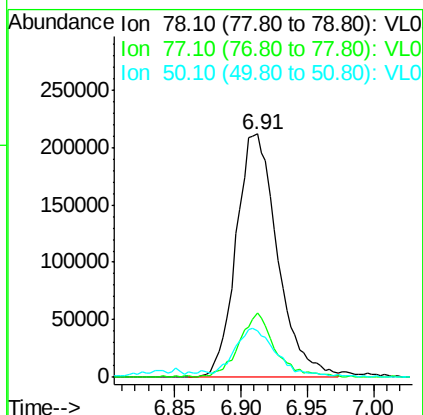
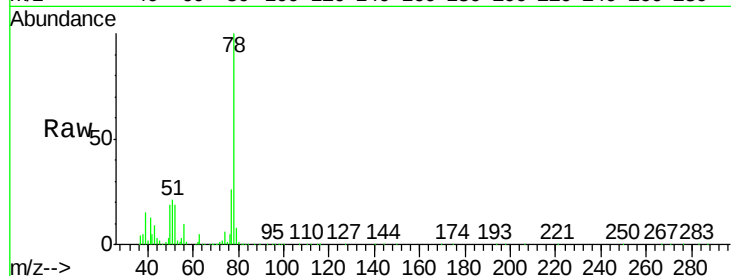
ClientSampled :

PBS-SS-1

Tot Ion:	78	Resp:	460344
Ion	Ratio	Lower	Upper
78	100		
77	25.6	18.0	27.0
50	18.2	16.5	24.7

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:54:06 PM



#44

2,2,4-Trimethylpentane

Concen: 1.267 ppbv m

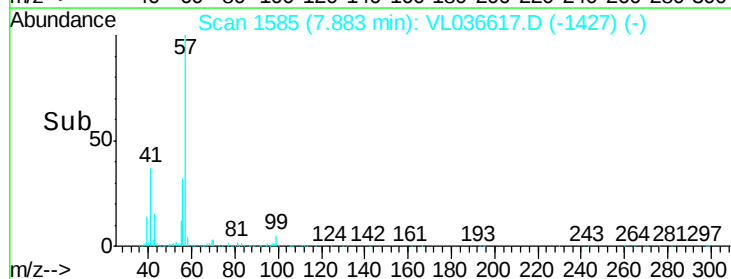
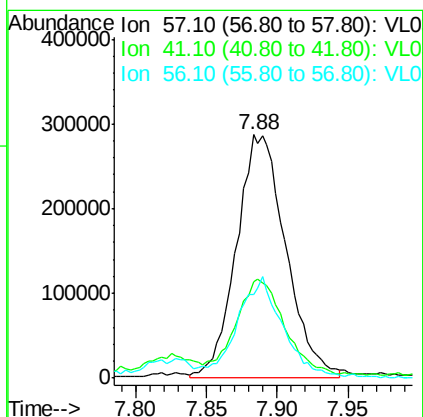
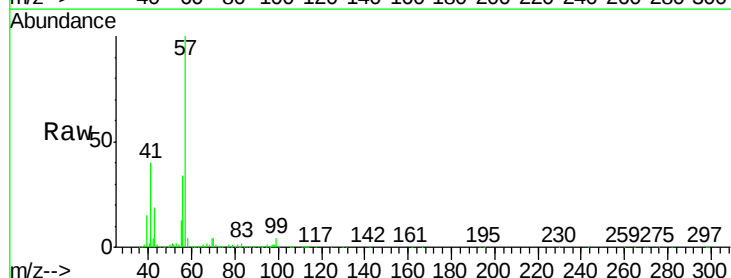
RT: 7.88 min Scan# 1585

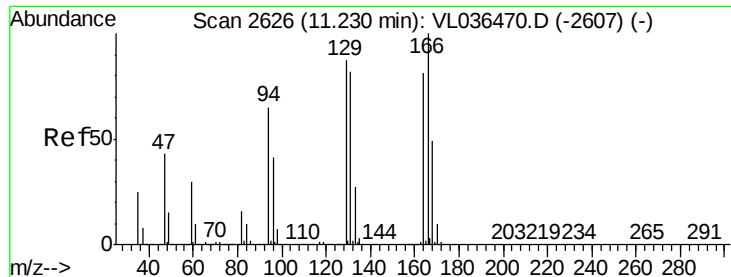
Delta R.T. 0.01 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Tgt Ion:	57	Resp:	699785
Ion	Ratio	Lower	Upper
57	100		
41	38.7	28.8	43.2
56	38.0	26.1	39.1





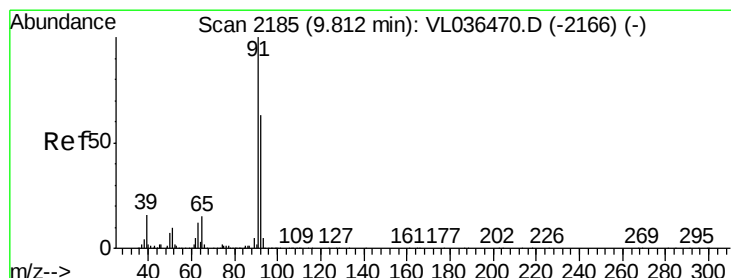
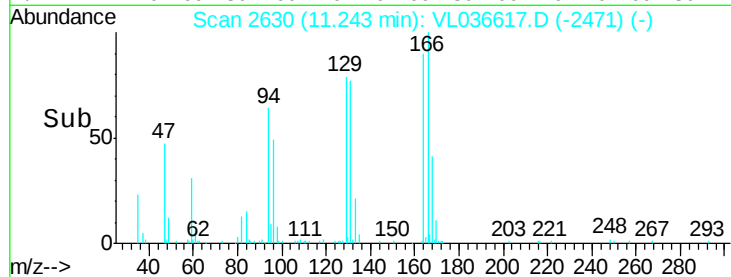
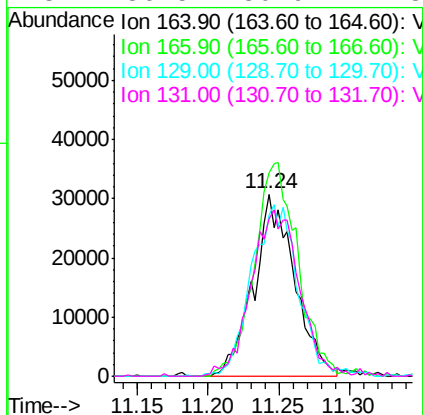
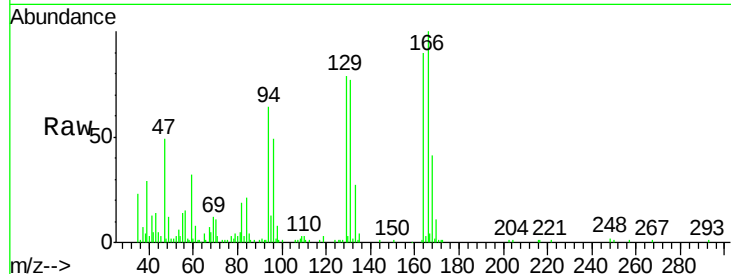
#52
Tetrachloroethene
Concen: 0.535 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1

Tot Ion	Ratio	Lower	Upper
164	100		
166	111.7	98.3	147.5
129	88.5	85.8	128.8
131	86.5	80.9	121.3

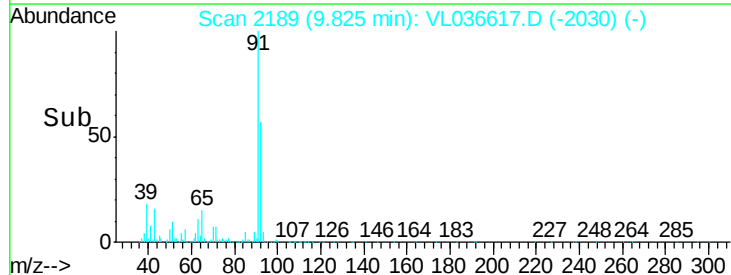
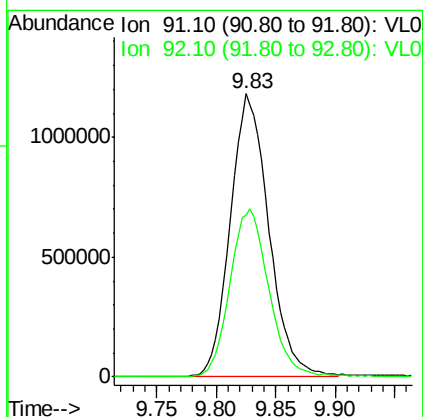
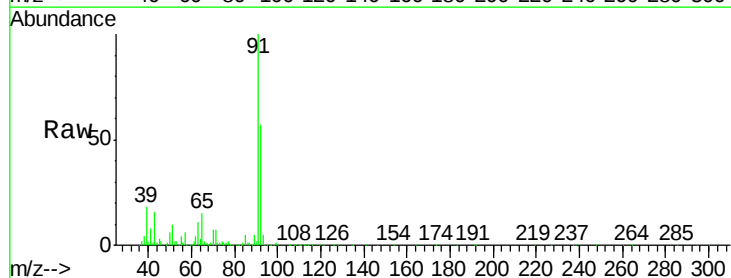
Manual Integrations
APPROVED

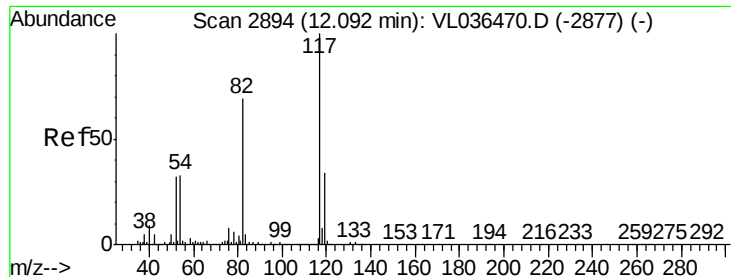
MMDadoda
4/2/2021 6:54:06 PM



#53
Toluene
Concen: 7.880 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. 0.01 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.8	73.2





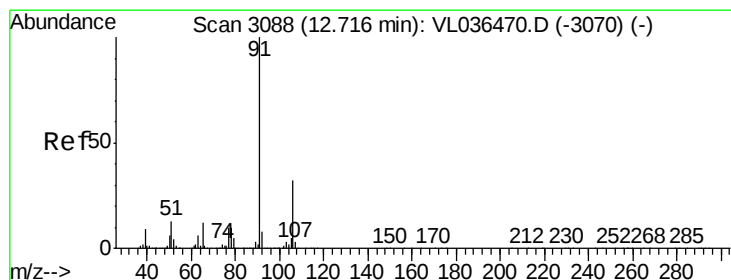
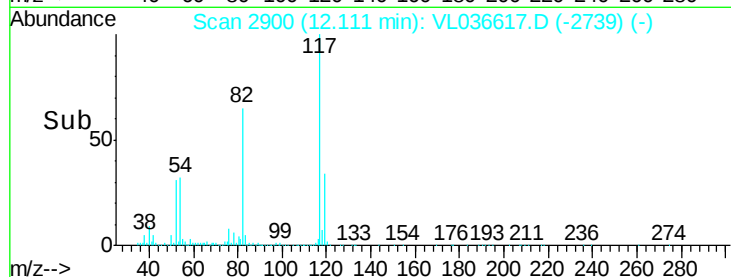
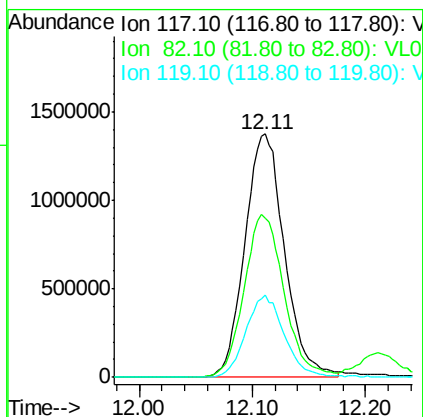
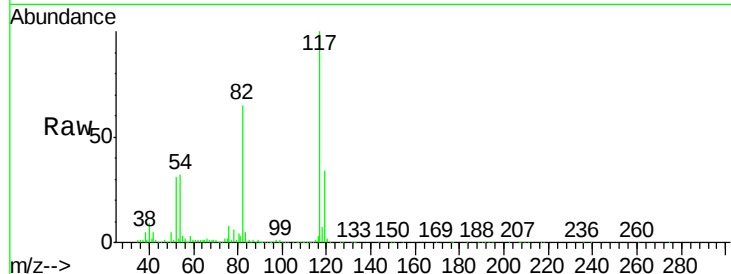
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.2	57.4	86.0
119	33.5	47.4	71.0

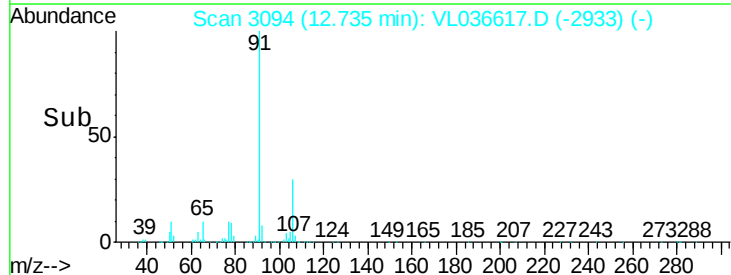
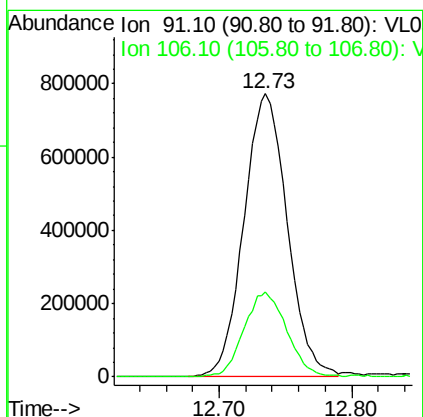
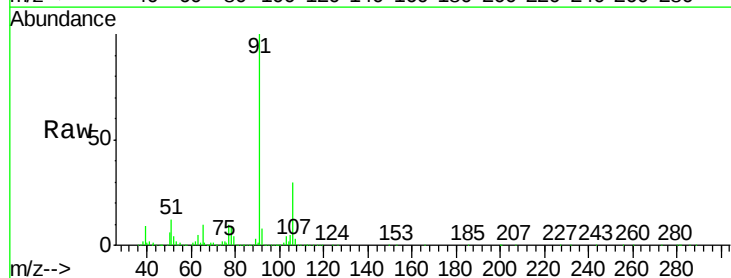
Manual Integrations
APPROVED

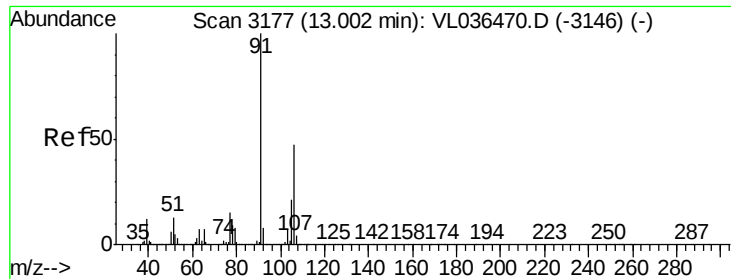
MMDadoda
4/2/2021 6:54:06 PM



#58
Ethyl Benzene
Concen: 3.595 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.3	37.9





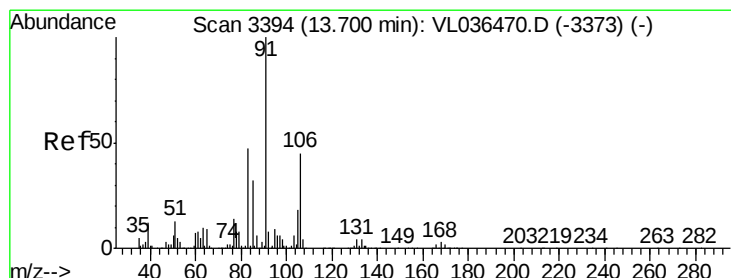
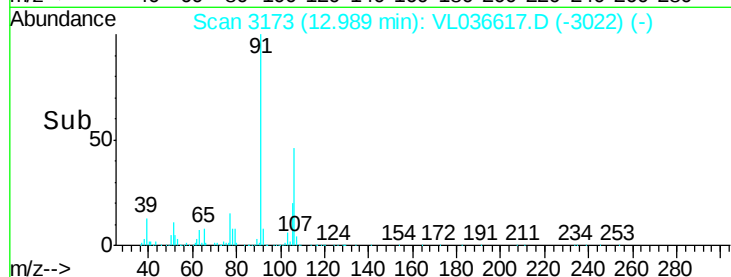
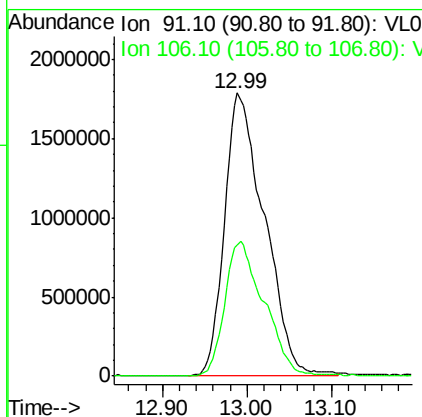
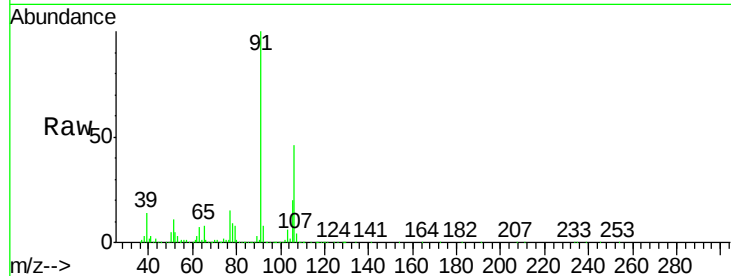
#59
m/p-Xylene
Concen: 13.768 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1

Tot Ion: 91 Resp: 5843338
Ion Ratio Lower Upper
91 100
106 46.9 35.3 52.9

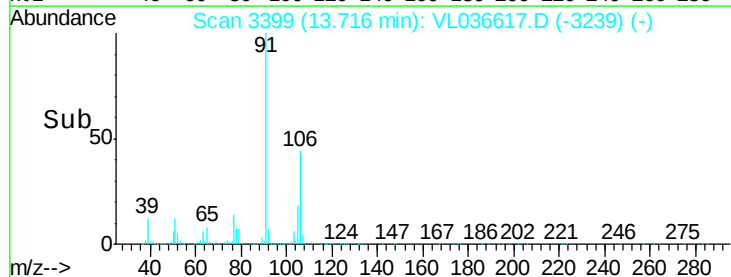
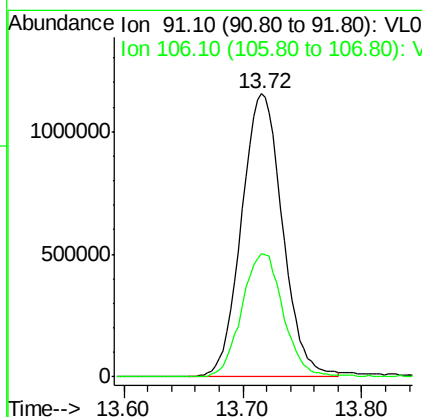
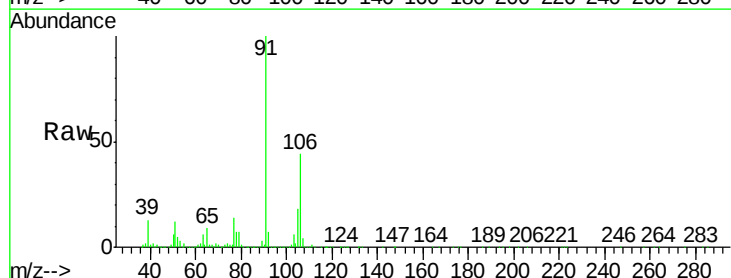
Manual Integrations
APPROVED

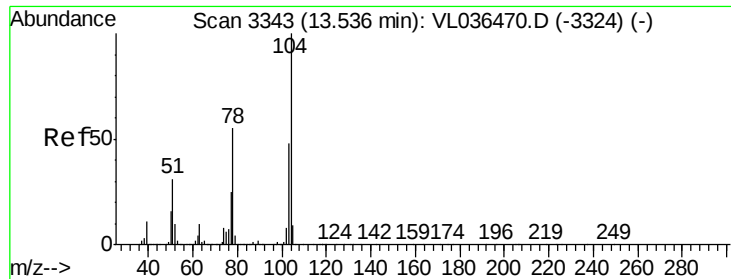
MMDadoda
4/2/2021 6:54:06 PM



#60
o-Xylene
Concen: 6.670 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.02 min
Lab File: VL036617.D
Acq: 1 Apr 2021 1:28

Tgt Ion: 91 Resp: 2737180
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





#61

Stvrene

Concen: 0.542 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. 0.02 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Instrument :

MSVOA_L

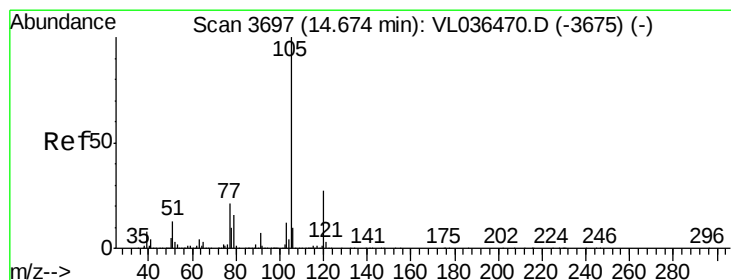
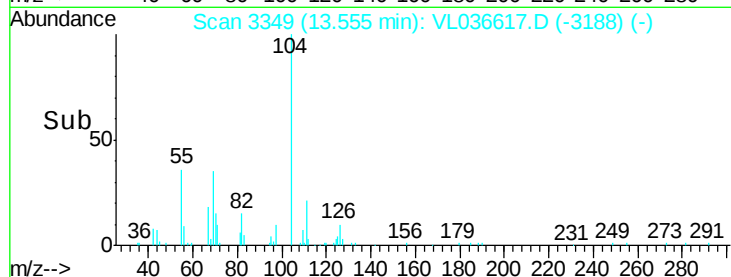
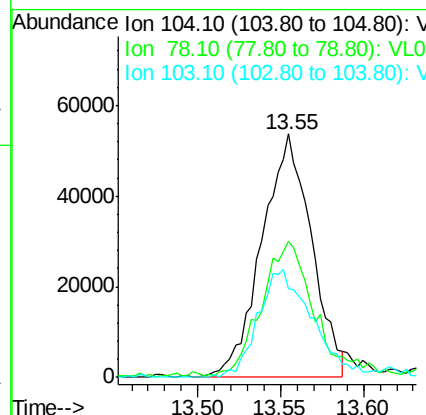
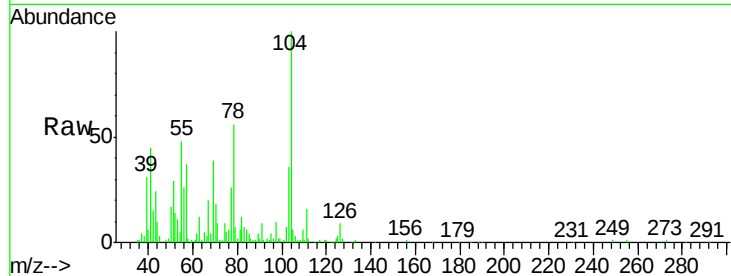
ClientSampleId :

PBS-SS-1

Tot Ion:	104	Resp:	111797
Ion Ratio	Lower	Upper	
104	100		
78	60.2	43.8	65.8
103	50.8	38.3	57.5

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:54:06 PM



#62

Isopropylbenzene

Concen: 0.400 ppbv

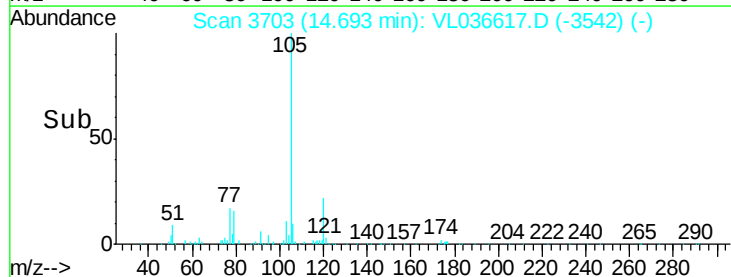
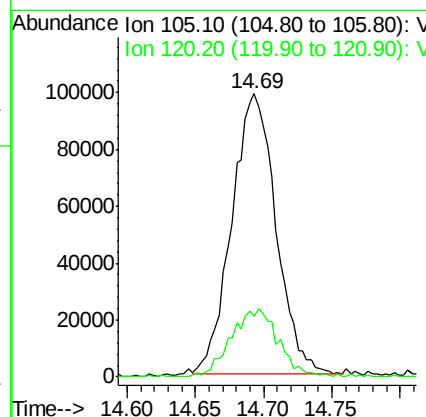
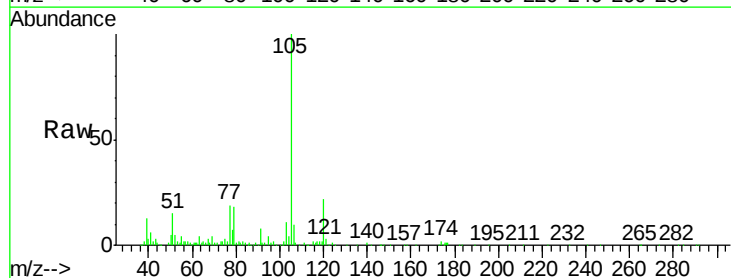
RT: 14.69 min Scan# 3703

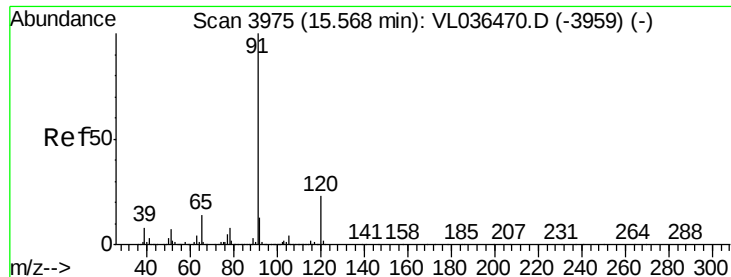
Delta R.T. 0.02 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Tgt Ion:	105	Resp:	221197
Ion Ratio	Lower	Upper	
105	100		
120	26.2	20.6	31.0





#64

n-propylbenzene

Concen: 1.189 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. 0.02 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-1

Tot Ion:120 Resp: 160651

Ion Ratio Lower Upper

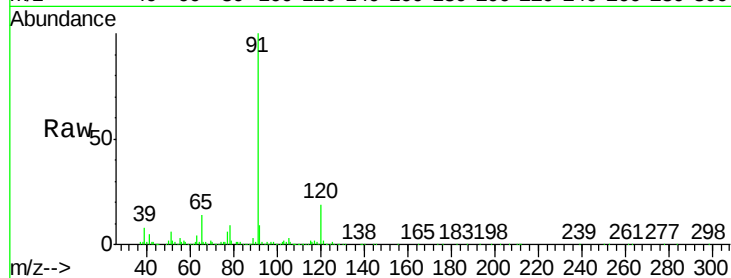
120 100

91 526.9 377.4 566.2

Manual Integrations
APPROVED

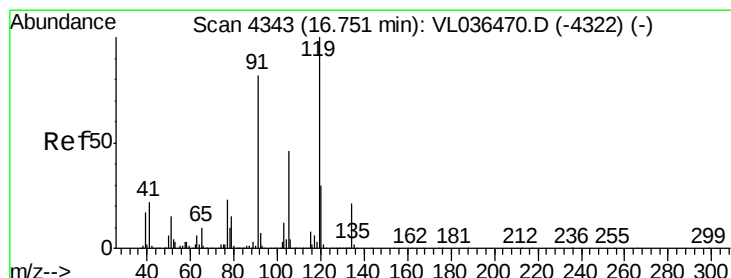
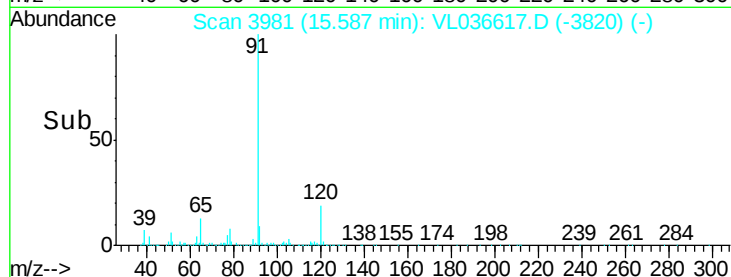
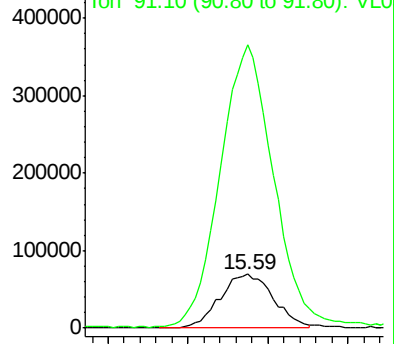
MMDadoda

4/2/2021 6:54:06 PM



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.811 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.04 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

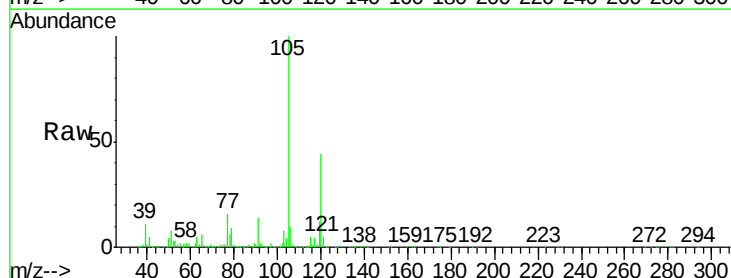
Tgt Ion:119 Resp: 388574

Ion Ratio Lower Upper

119 100

91 114.4 67.5 101.3#

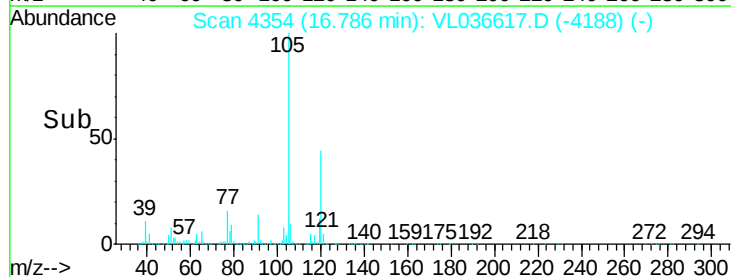
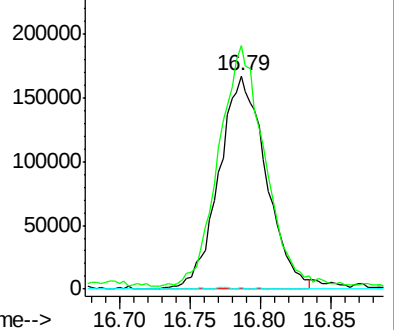
134 16.2 15.8 23.8

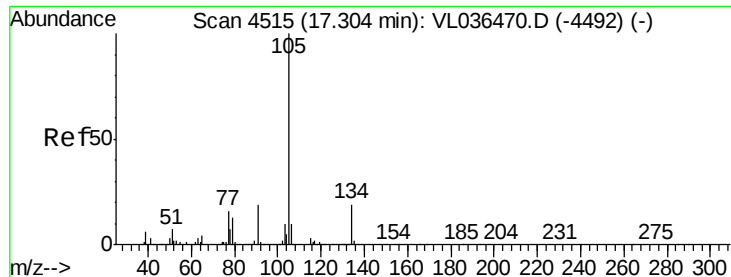


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.236 ppbv m

RT: 17.32 min Scan# 4521

Delta R.T. 0.02 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-1

Tot Ion: 105 Resp: 159437

Ion Ratio Lower Upper

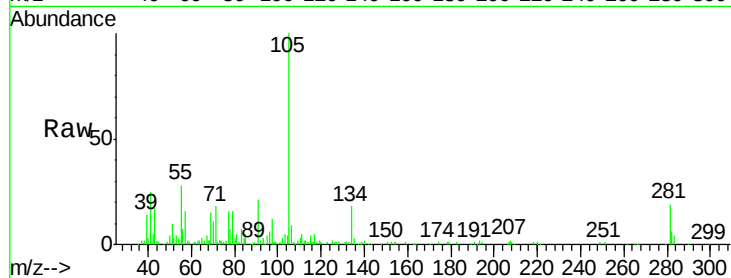
105 100

134 0.0 14.7 22.1#

Manual Integrations
APPROVED

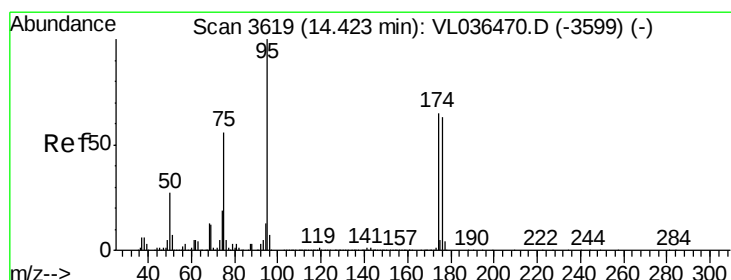
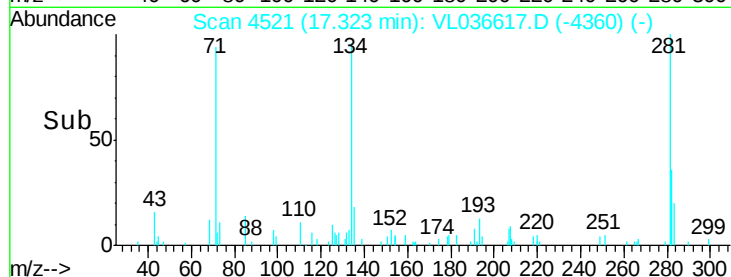
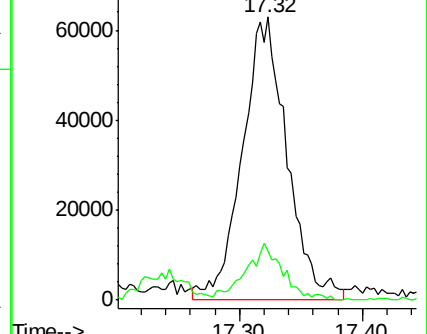
MMDadoda

4/2/2021 6:54:06 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.954 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.02 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

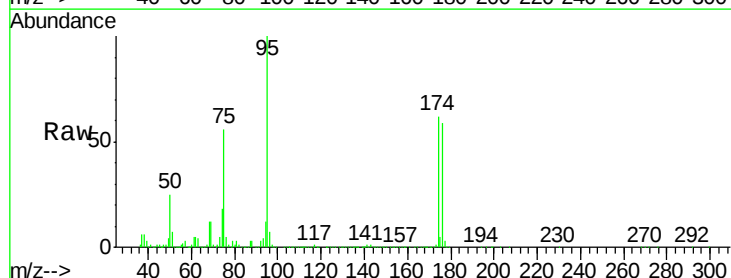
Tgt Ion: 95 Resp: 2653481

Ion Ratio Lower Upper

95 100

174 64.7 51.0 76.6

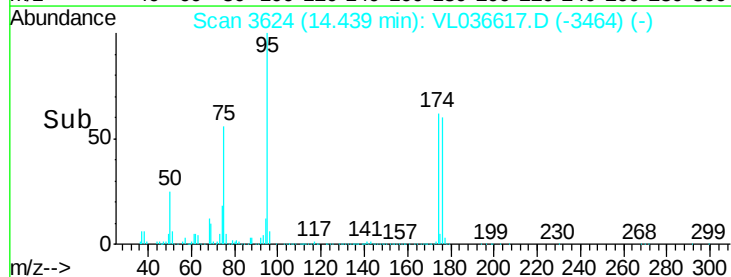
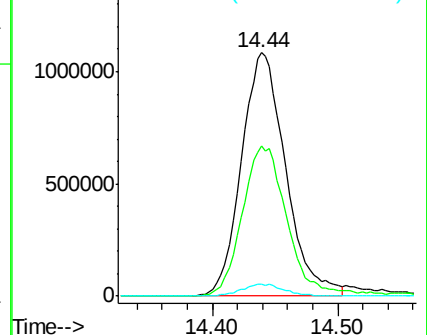
175 5.0 3.9 5.9

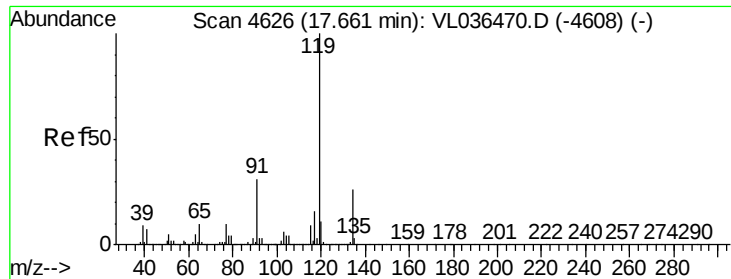


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





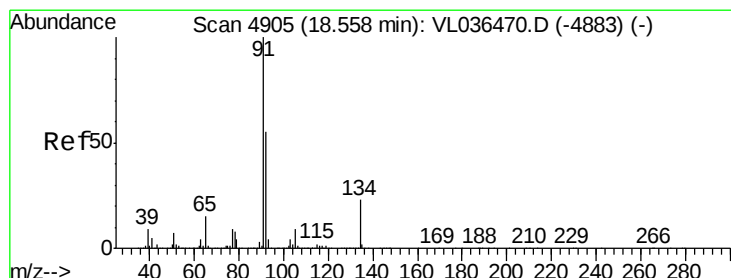
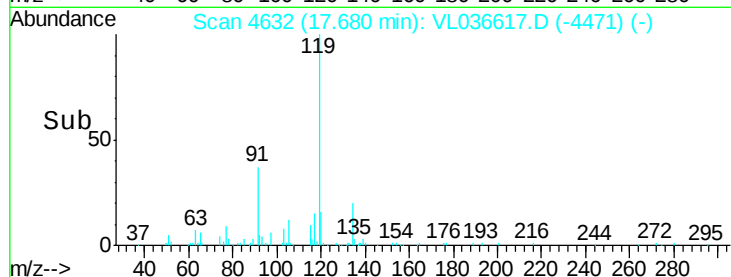
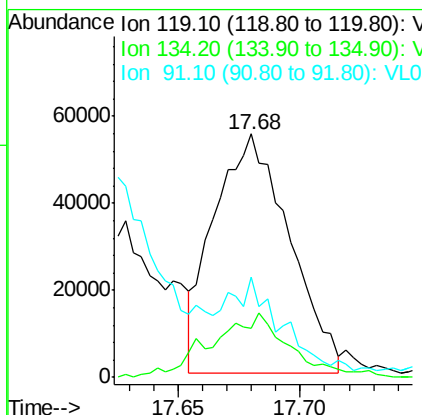
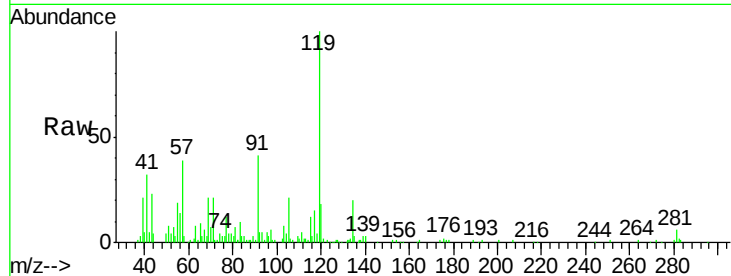
#69
 p-Isopropyltoluene
 Concen: 0.223 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. 0.02 min
 Lab File: VL036617.D
 Acq: 1 Apr 2021 1:28

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-1

Tot Ion:	119	Resp:	117659
Ion Ratio	Lower	Upper	
119	100		
134	28.0	20.6	30.8
91	34.3	25.0	37.6

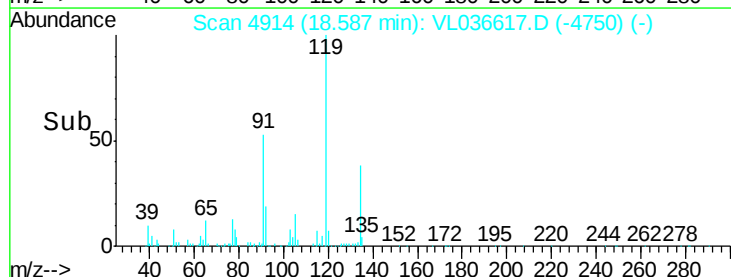
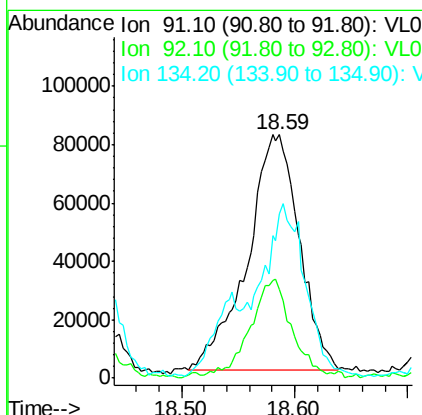
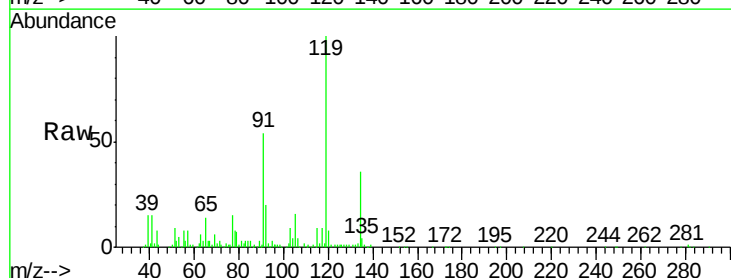
Manual Integrations
 APPROVED

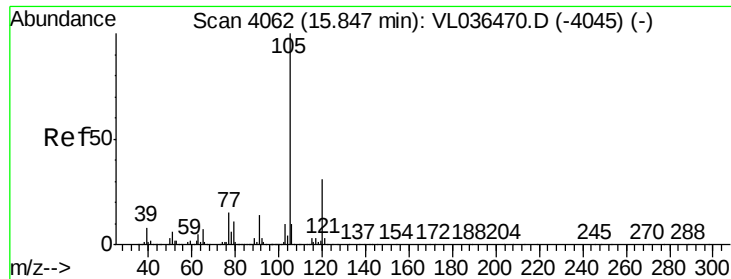
MMDadoda
 4/2/2021 6:54:06 PM



#70
 n-Butylbenzene
 Concen: 0.467 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.03 min
 Lab File: VL036617.D
 Acq: 1 Apr 2021 1:28

Tgt Ion:	91	Resp:	255941
Ion Ratio	Lower	Upper	
91	100		
92	35.4	43.8	65.8#
134	81.4	18.0	27.0#





#72

4-Ethyltoluene

Concen: 2.414 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. 0.02 min

Lab File: VL036617.D

Acq: 1 Apr 2021 1:28

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-1

Tot Ion:105 Resp: 1085553

Ion Ratio Lower Upper

105 100

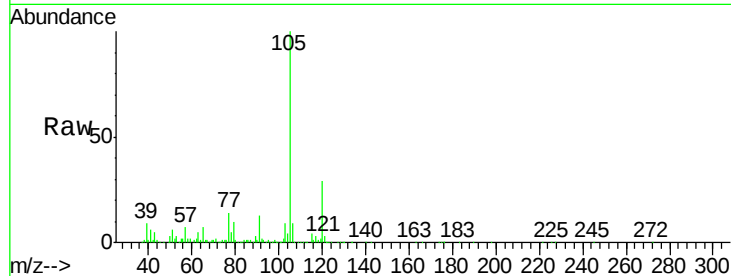
120 30.4 24.0 36.0

91 14.0 11.0 16.4

77 13.9 11.7 17.5

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:54:06 PM

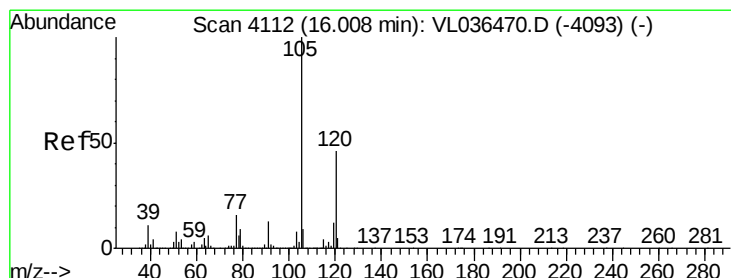
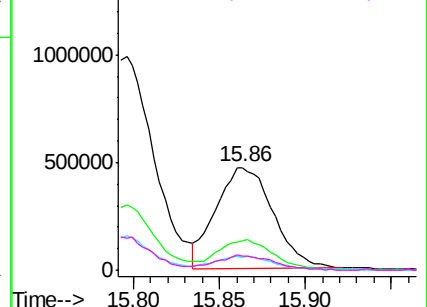
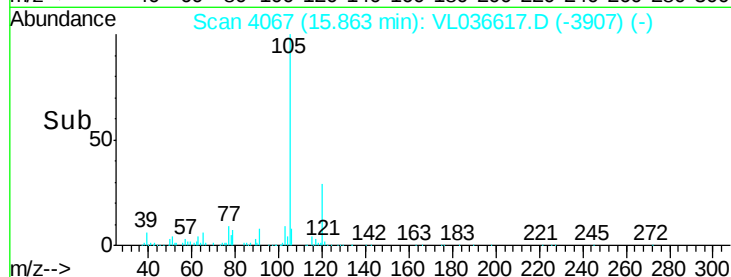


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 2.766 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.01 min

Lab File: VL036617.D

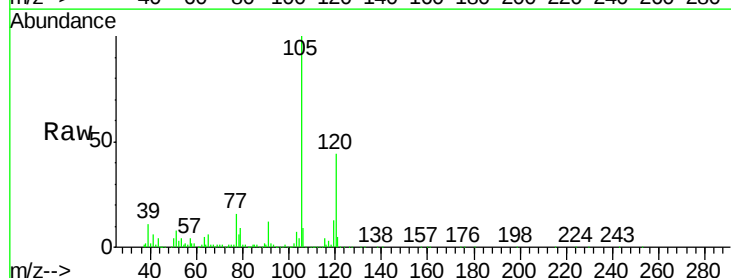
Acq: 1 Apr 2021 1:28

Tgt Ion:105 Resp: 1160723

Ion Ratio Lower Upper

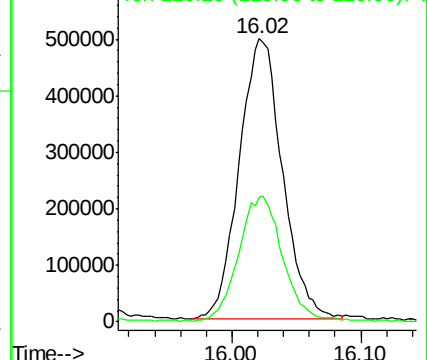
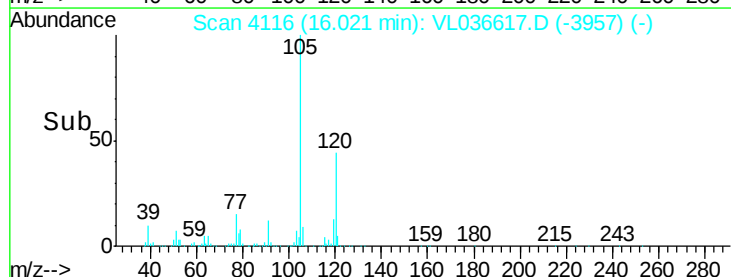
105 100

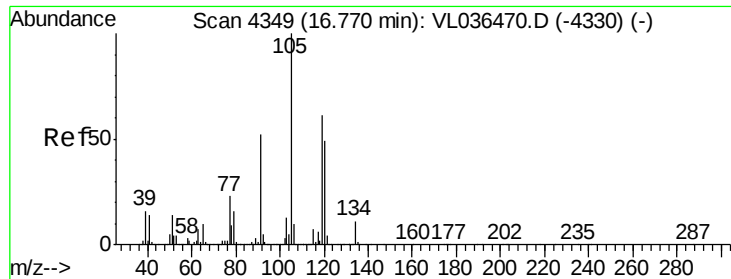
120 44.0 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





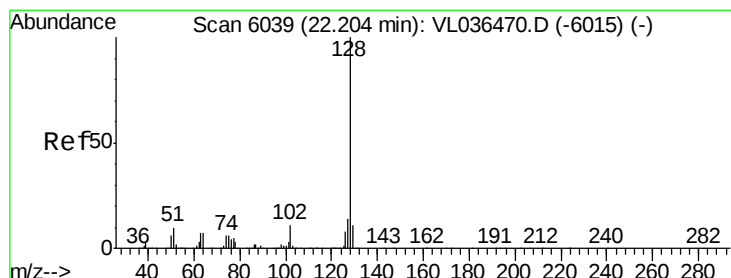
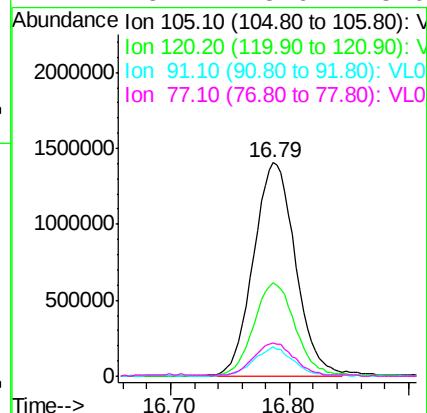
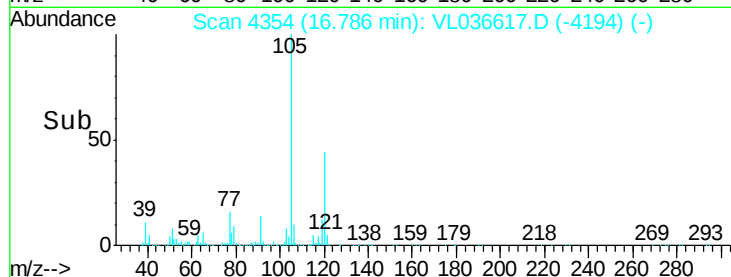
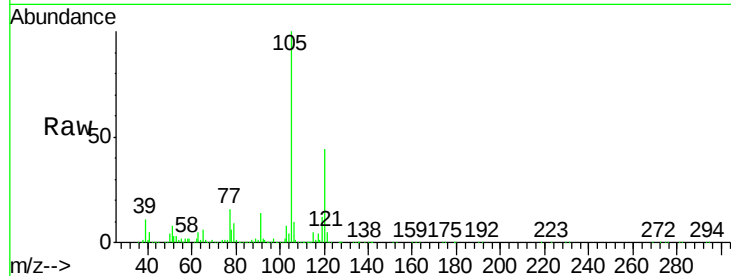
#74
 1,2,4-Trimethylbenzene
 Concen: 7.614 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. 0.02 min
 Lab File: VL036617.D
 Acq: 1 Apr 2021 1:28

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-1

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.7	39.2	58.8
91	13.3	42.6	64.0#
77	15.1	18.6	28.0#

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:06 PM



#79
 Naphthalene
 Concen: 0.330 ppbv m
 RT: 22.24 min Scan# 6050
 Delta R.T. 0.04 min
 Lab File: VL036617.D
 Acq: 1 Apr 2021 1:28

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.9	16.3#
129	14.3	9.0	13.4#

