

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036671.D
 Acq On : 3 Apr 2021 8:24
 Operator : SY/AP
 Sample : M1853-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SOFF-SG-01

Manual Integrations
 APPROVED

MMDadoda
 4/5/2021 6:46:46 PM

Quant Time: Apr 04 18:53:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 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	5.64	49	1060104	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2788672	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2571447	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2137656	10.43	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	32059	0.185	ppbv	93
3) Chlorodifluoromethane	2.97	51	177521m	0.896	ppbv	
4) Chloromethane	3.12	50	12694	0.181	ppbv	99
9) Propene	3.00	41	26296	0.416	ppbv	87
10) Heptane	8.10	43	70883m	0.441	ppbv	
11) Trichlorofluoromethane	3.93	101	37509	0.213	ppbv	84
13) Ethanol	3.60	45	2114429	281.202	ppbv	91
15) Acetone	3.82	43	3045919	29.193	ppbv	98
16) 1,3-Butadiene	3.30	39	3230	0.044	ppbv #	73
17) tert-Butyl alcohol	4.28	59	2650043	29.176	ppbv	99
19) Isopropyl Alcohol	3.96	45	3274879	57.057	ppbv #	91
20) Methylene Chloride	4.32	84	2220769	45.459	ppbv	97
26) Hexane	5.66	57	1926834	16.738	ppbv #	46
30) Cyclohexane	7.10	84	14464m	0.155	ppbv	
34) 2-Butanone	5.22	43	246936	1.814	ppbv	99
35) Carbon Tetrachloride	6.98	117	9371m	0.044	ppbv	
36) Benzene	6.86	78	37609	0.146	ppbv #	87
40) 1,4-Dioxane	7.80	88	46344	1.909	ppbv #	1
44) 2,2,4-Trimethylpentane	7.83	57	212559	0.470	ppbv #	93
50) 4-Methyl-2-Pentanone	8.72	43	63097m	0.320	ppbv	
51) 2-Hexanone	10.10	43	393903	3.963	ppbv #	96
52) Tetrachloroethene	11.19	164	30393m	0.321	ppbv	
53) Toluene	9.77	91	248016	0.906	ppbv	99
58) Ethyl Benzene	12.68	91	624495	1.669	ppbv	96
59) m/p-Xylene	12.93	91	3227462	9.891	ppbv	96
60) o-Xylene	13.66	91	1645610	5.216	ppbv	100
62) Isopropylbenzene	14.64	105	231752	0.545	ppbv	99
64) n-propylbenzene	15.54	120	136490m	1.314	ppbv	
65) tert-Butylbenzene	16.74	119	448127m	1.216	ppbv	
67) sec-Butylbenzene	17.28	105	797737	1.534	ppbv	100
69) p-Isopropyltoluene	17.63	119	638367	1.572	ppbv	98
70) n-Butylbenzene	18.54	91	1170426	2.780	ppbv #	40
72) 4-Ethyltoluene	15.82	105	692588	2.003	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	1290872	4.001	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	3623785	10.494	ppbv #	70
79) Naphthalene	22.18	128	209959	1.042	ppbv	97

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

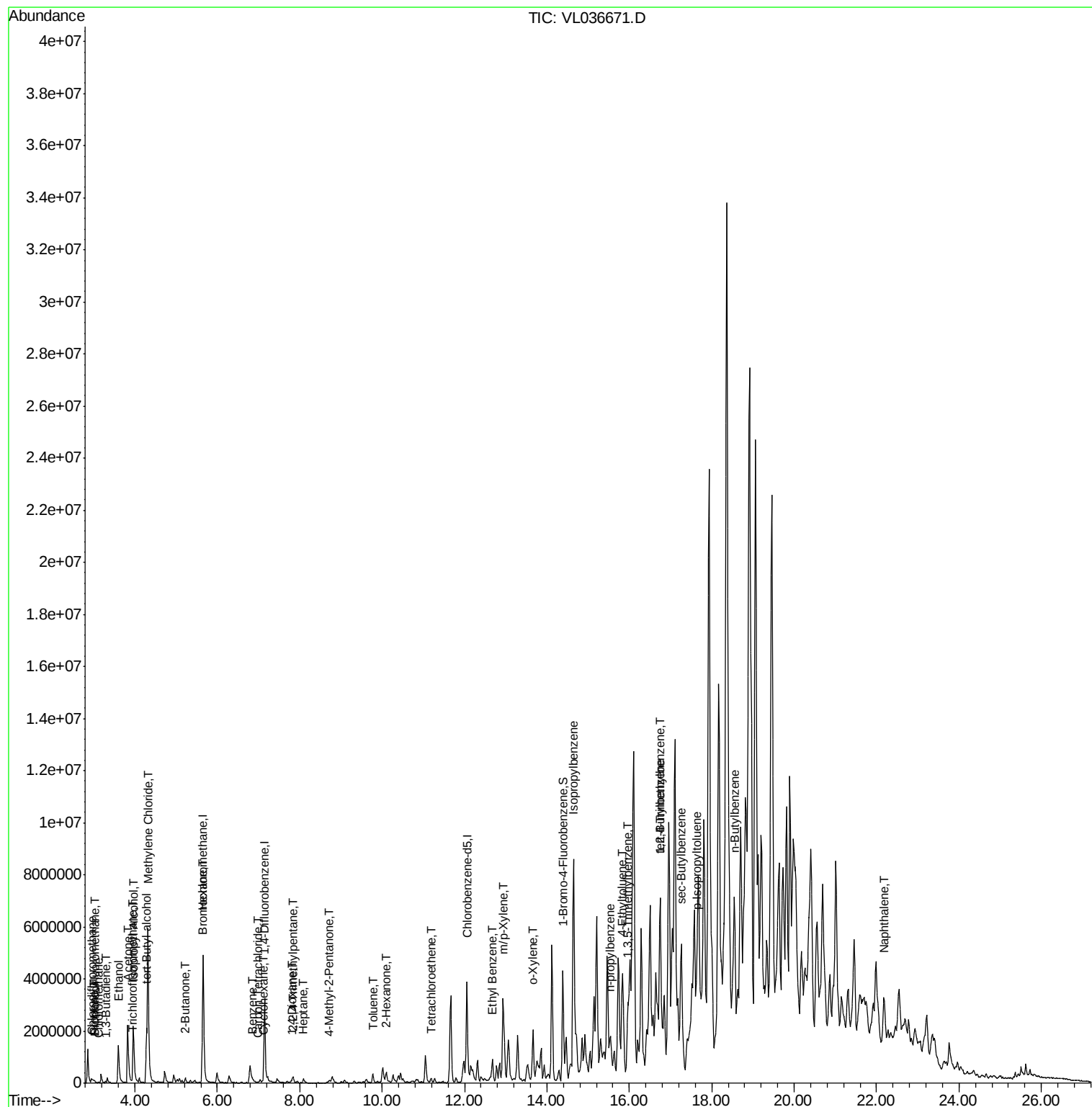
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
Data File : VL036671.D
Acq On : 3 Apr 2021 8:24
Operator : SY/AP
Sample : M1853-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SOFF-SG-01

Manual Integrations
APPROVED

MMDadoda
4/5/2021 6:46:46 PM

Quant Time: Apr 04 18:53:34 2021
Quant Method : Z:\VOASRV\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: 5.64 min Scan# 886

Delta R.T. -0.04 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

Instrument :

MSVOA_L

ClientSampleId :

SOFF-SG-01

Tot Ion: 49 Resp: 1060104

Ion Ratio Lower Upper

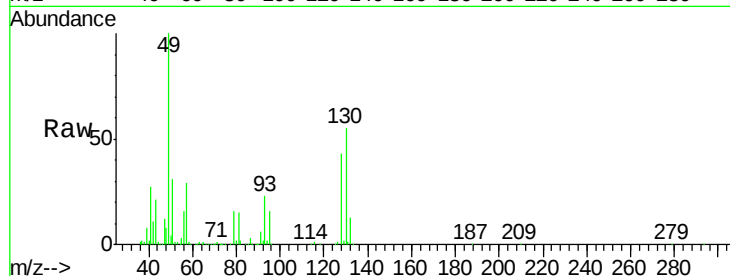
49 100

128 48.4 23.5 70.6

130 62.0 29.1 87.4

Manual Integrations
APPROVED

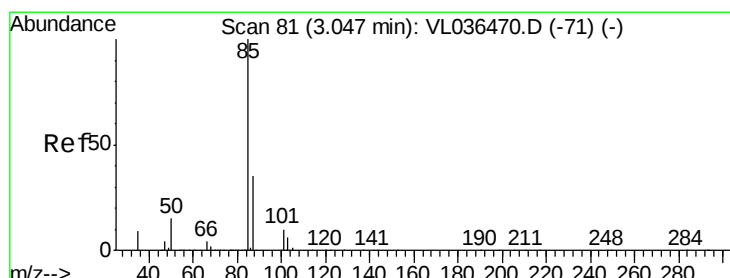
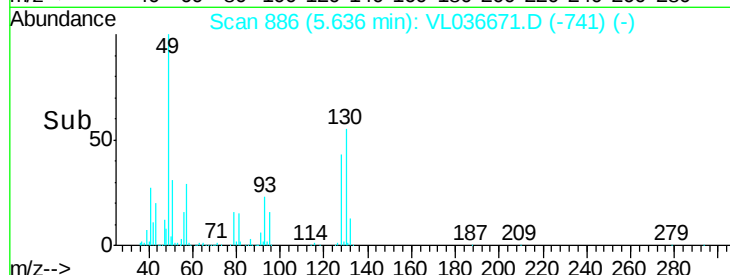
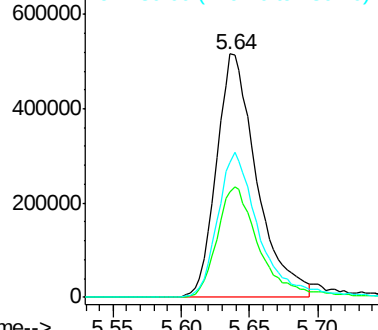
MMDadoda
4/5/2021 6:46:46 PM



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: 0.185 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL036671.D

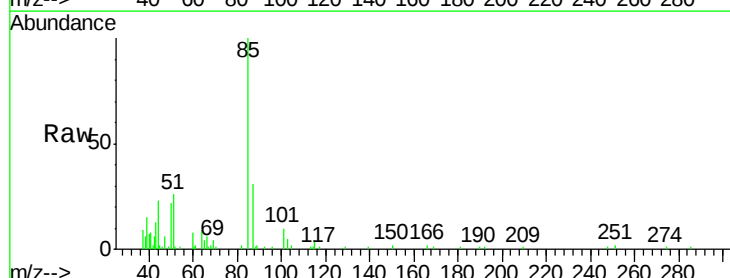
Acq: 3 Apr 2021 8:24

Tgt Ion: 85 Resp: 32059

Ion Ratio Lower Upper

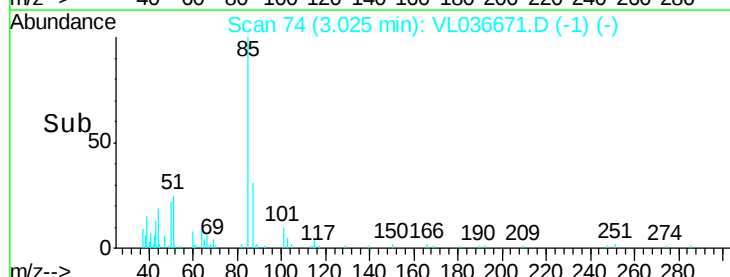
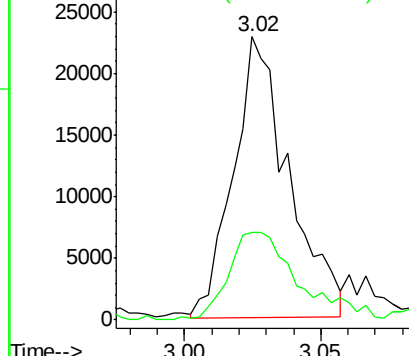
85 100

87 30.6 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





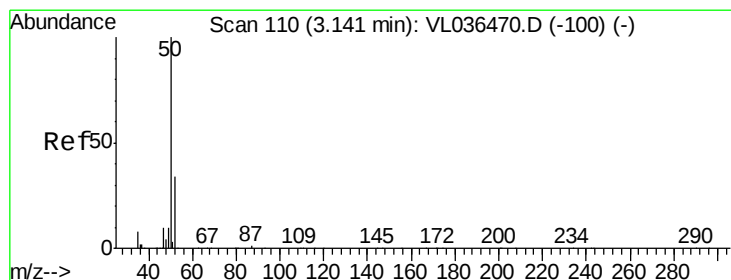
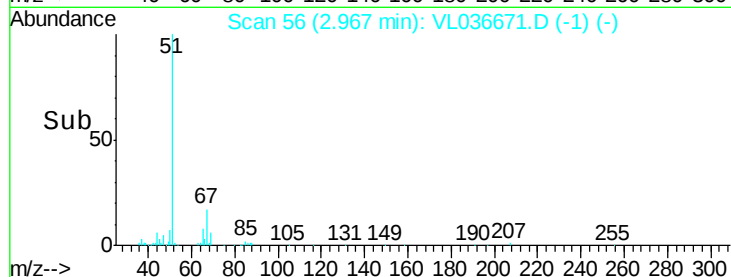
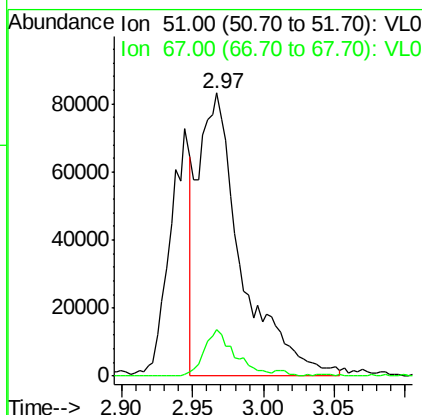
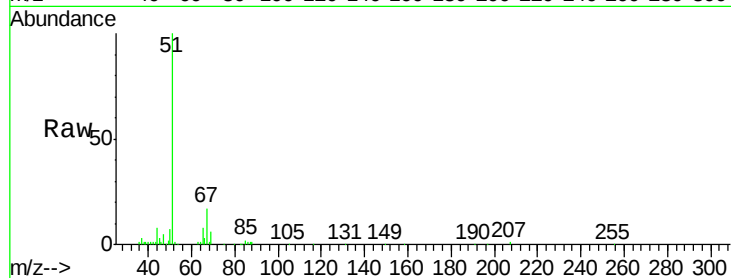
#3
Chlorodifluoromethane
Concen: 0.896 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.02 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Instrument :
MSVOA_L
ClientSampleId :
SOFF-SG-01

Tot Ion: 51 Resp: 177521
Ion Ratio Lower Upper
51 100
67 12.7 14.7 22.1#

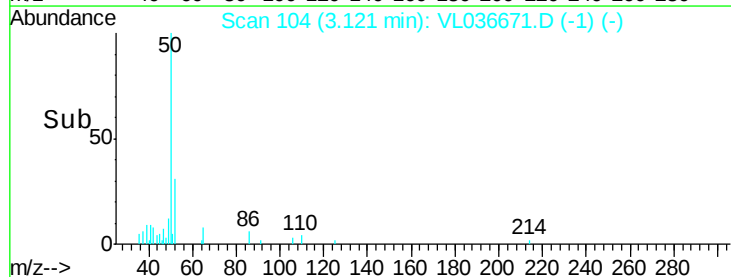
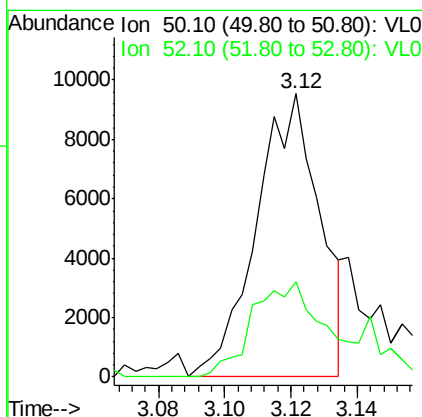
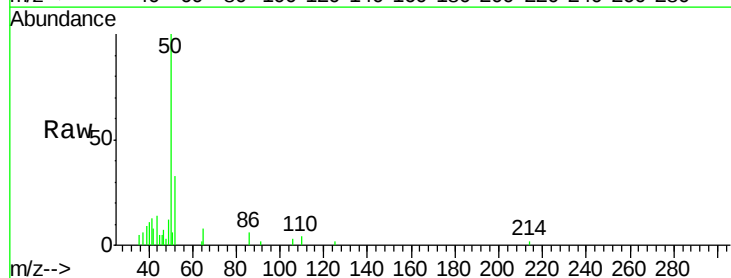
Manual Integrations
APPROVED

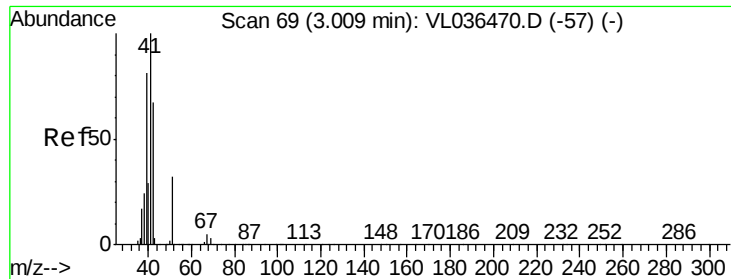
MMDadoda
4/5/2021 6:46:46 PM



#4
Chloromethane
Concen: 0.181 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Tgt Ion: 50 Resp: 12694
Ion Ratio Lower Upper
50 100
52 33.5 27.0 40.6





#9

Propene

Concen: 0.416 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

Instrument :

MSVOA_L

ClientSampleId :

SOFF-SG-01

Tot Ion: 41 Resp: 26296

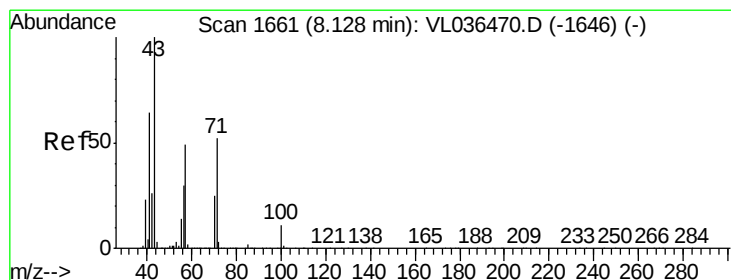
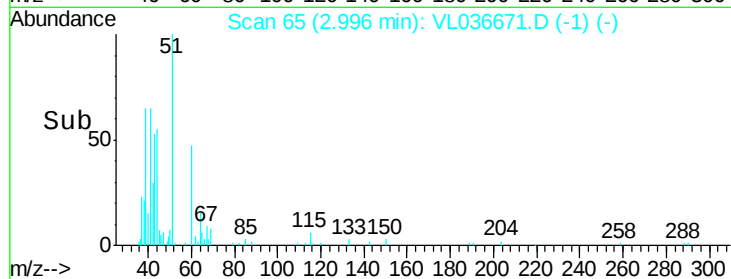
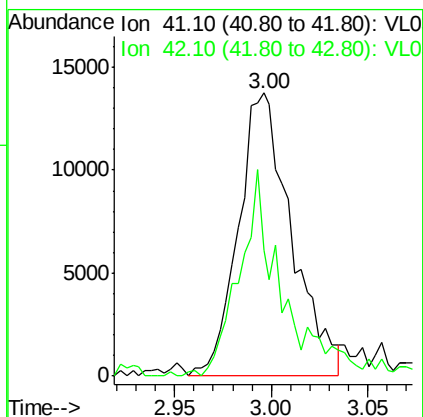
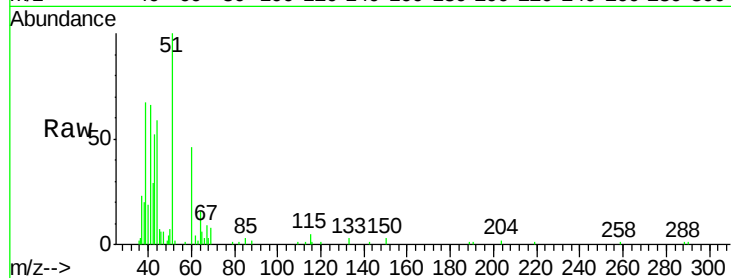
Ion Ratio Lower Upper

41 100

42 60.4 57.0 85.4

Manual Integrations
APPROVED

MMDadoda
4/5/2021 6:46:46 PM



#10

Heptane

Concen: 0.441 ppbv m

RT: 8.10 min Scan# 1651

Delta R.T. -0.03 min

Lab File: VL036671.D

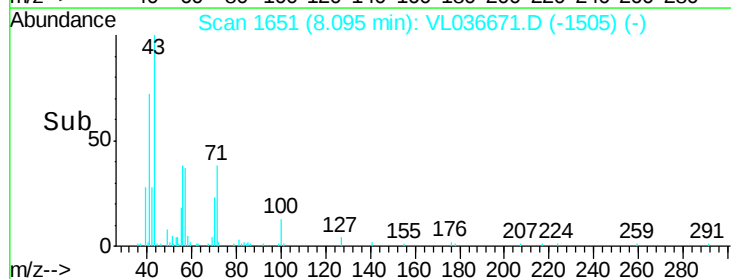
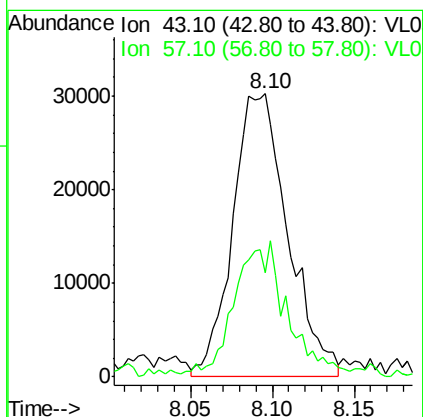
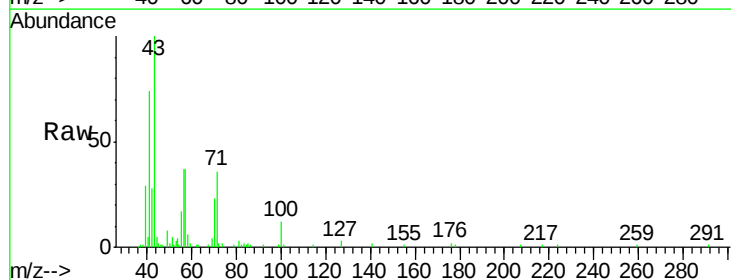
Acq: 3 Apr 2021 8:24

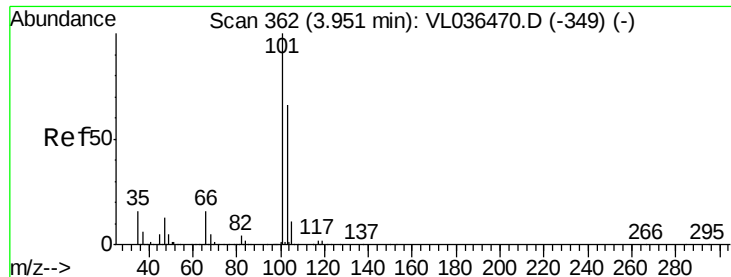
Tgt Ion: 43 Resp: 70883

Ion Ratio Lower Upper

43 100

57 0.0 39.0 58.6#





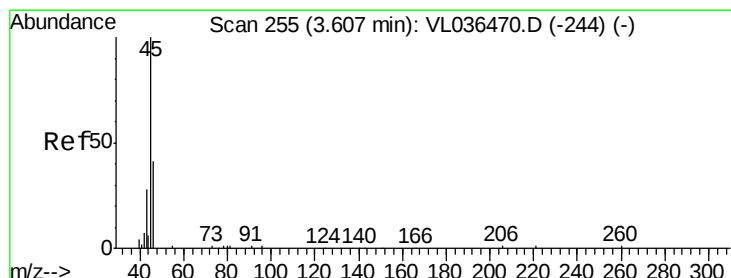
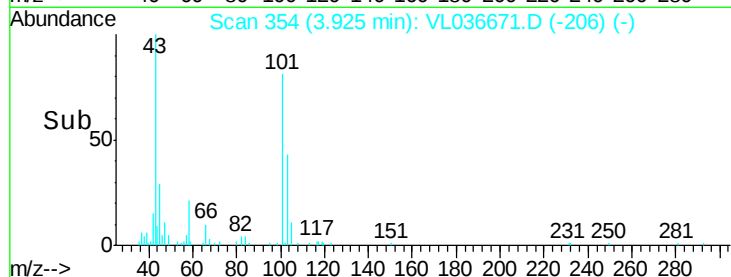
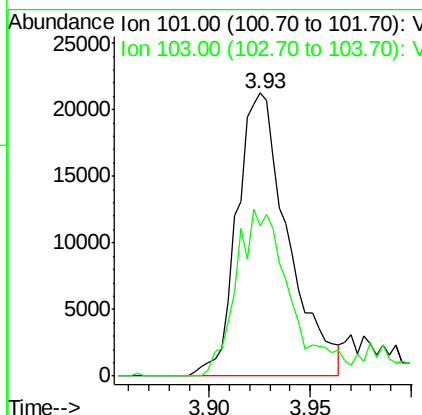
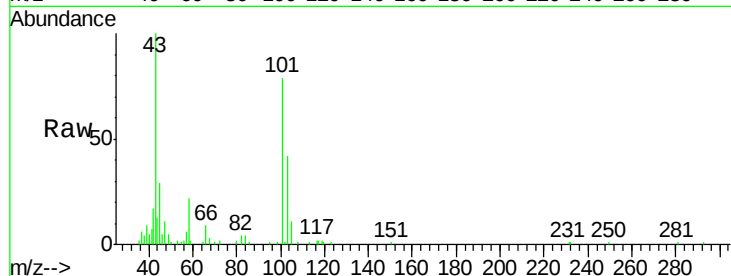
#11
 Trichlorofluoromethane
 Concen: 0.213 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: VL036671.D
 Acq: 3 Apr 2021 8:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SOFF-SG-01

Tot Ion	Ratio	Lower	Upper
101	100		
103	52.9	52.5	78.7

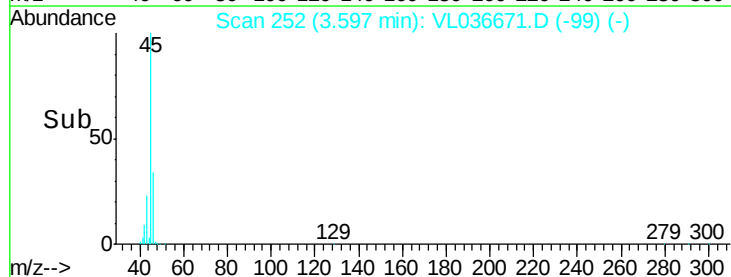
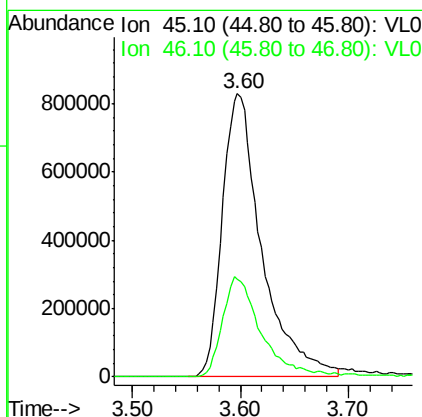
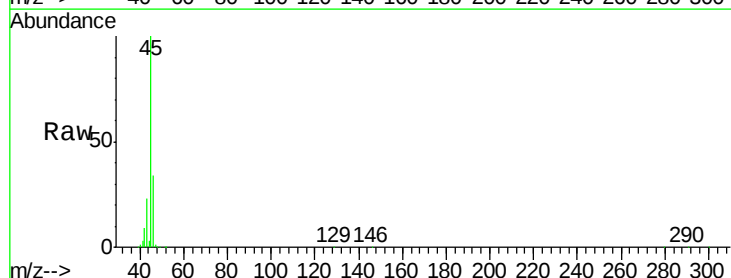
Manual Integrations
 APPROVED

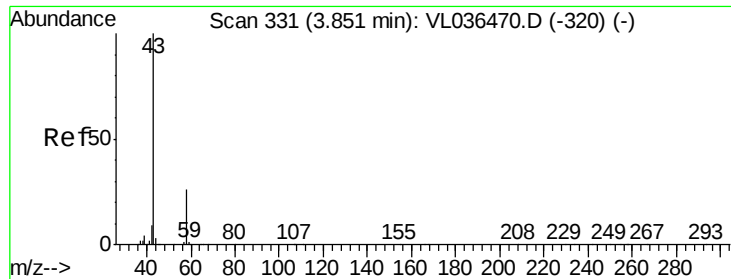
MMDadoda
 4/5/2021 6:46:46 PM



#13
 Ethanol
 Concen: 281.202 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL036671.D
 Acq: 3 Apr 2021 8:24

Tgt Ion	Ratio	Lower	Upper
45	100		
46	35.8	16.6	66.2





#15

Acetone

Concen: 29.193 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

Instrument :

MSVOA_L

ClientSampleId :

SOFF-SG-01

Tot Ion: 43 Resp: 3045919

Ion Ratio Lower Upper

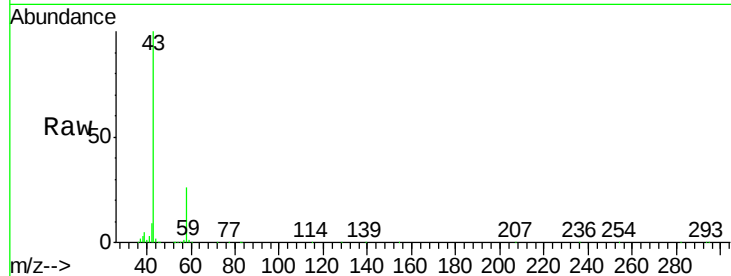
43 100

58 25.6 21.2 31.8

Manual Integrations
APPROVED

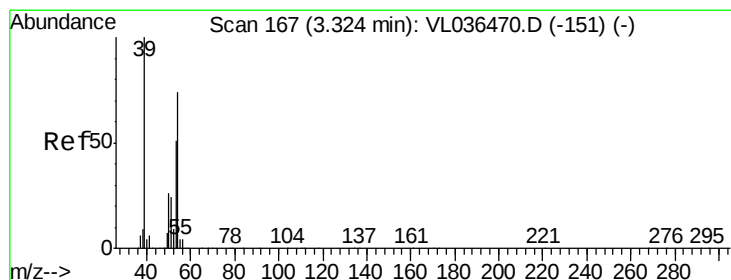
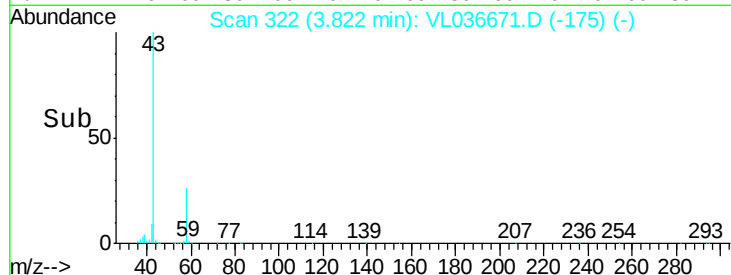
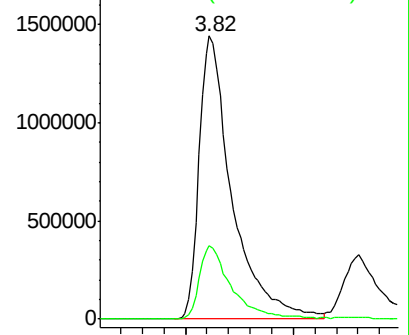
MMDadoda

4/5/2021 6:46:46 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.044 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL036671.D

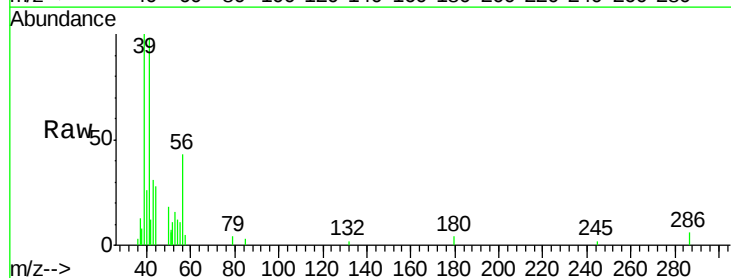
Acq: 3 Apr 2021 8:24

Tgt Ion: 39 Resp: 3230

Ion Ratio Lower Upper

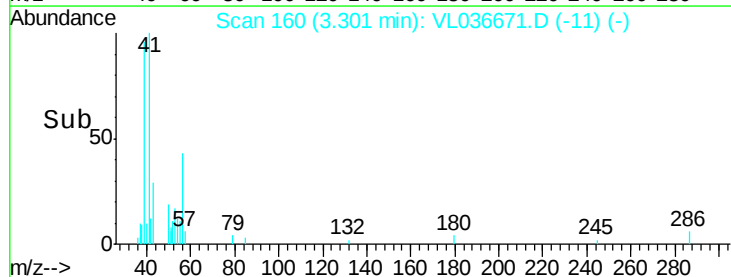
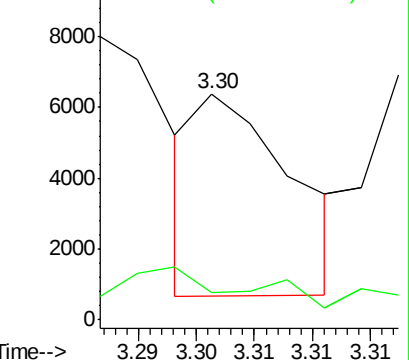
39 100

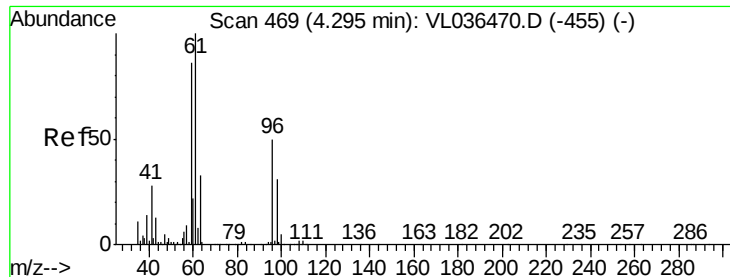
54 96.2 58.8 88.2#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

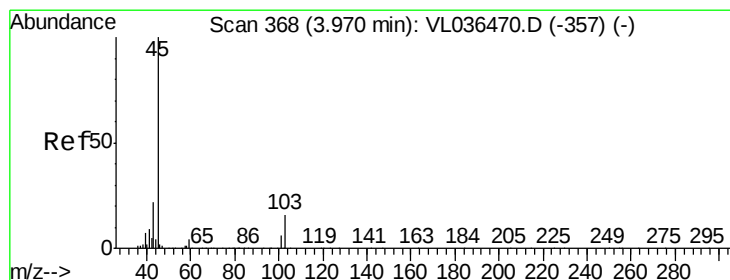
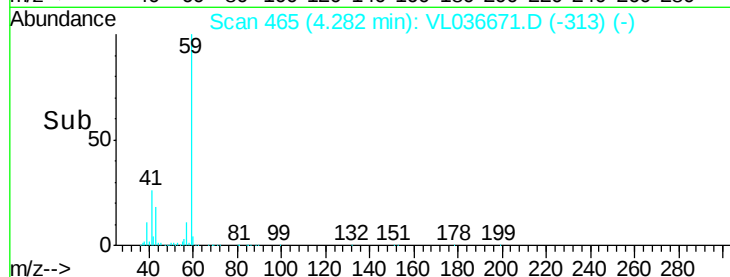
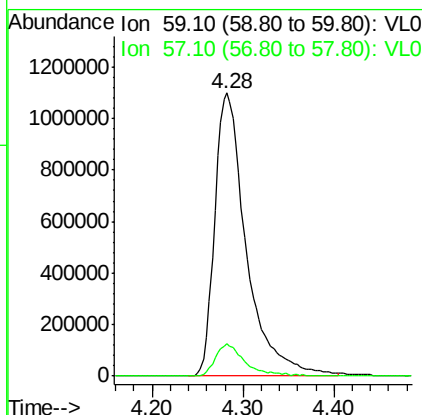
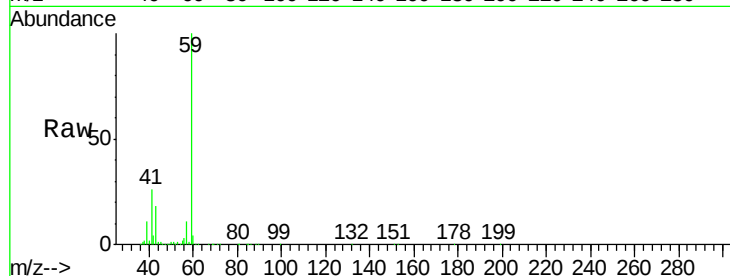
tert-Butyl alcohol
Concen: 29.176 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Instrument :
MSVOA_L
ClientSampleId :
SOFF-SG-01

Tot Ion: 59 Resp: 2650043
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8

Manual Integrations
APPROVED

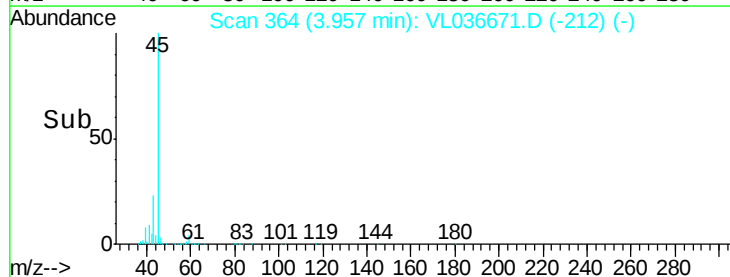
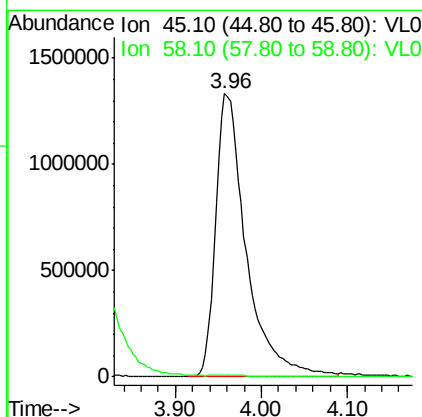
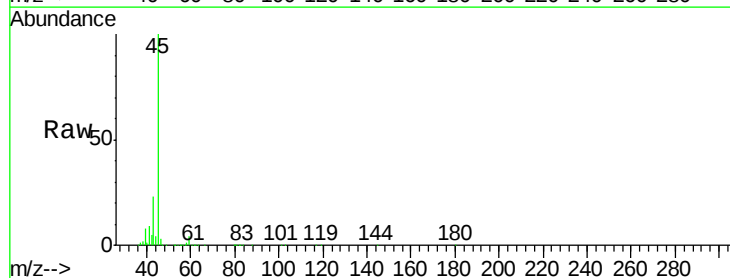
MMDadoda
4/5/2021 6:46:46 PM

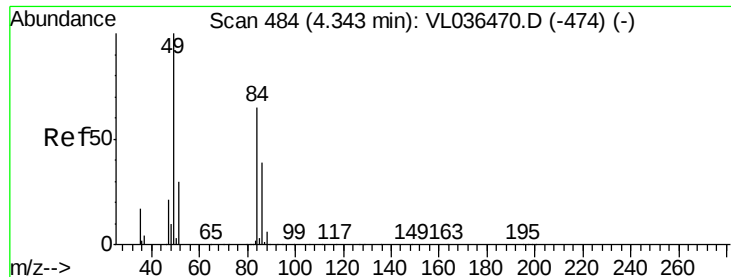


#19

Isopropyl Alcohol
Concen: 57.057 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.01 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Tgt Ion: 45 Resp: 3274879
Ion Ratio Lower Upper
45 100
58 0.8 2.9 4.3#





#20
Methvlene Chloride
Concen: 45.459 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

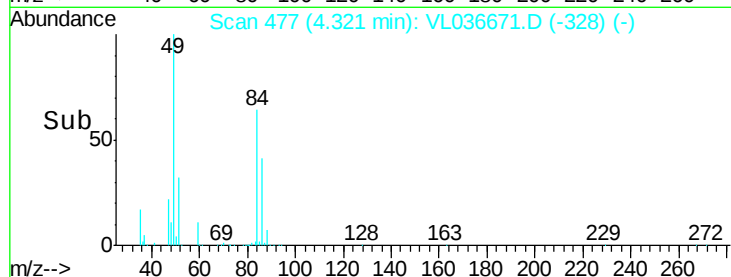
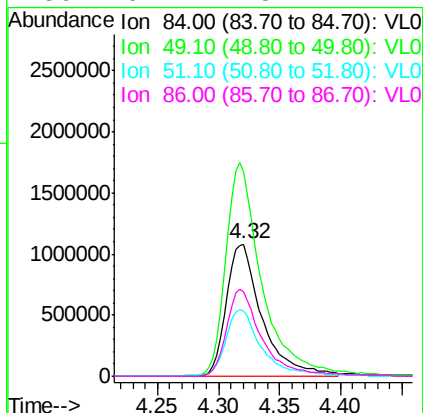
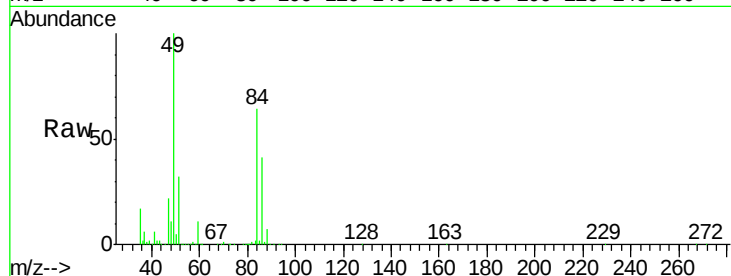
Instrument :
MSVOA_L
ClientSampled :
SOFF-SG-01

Tot Ion: 84 Resp: 2220769

Ion	Ratio	Lower	Upper
84	100		
49	155.4	122.9	184.3
51	49.0	36.9	55.3
86	64.2	48.2	72.4

Manual Integrations
APPROVED

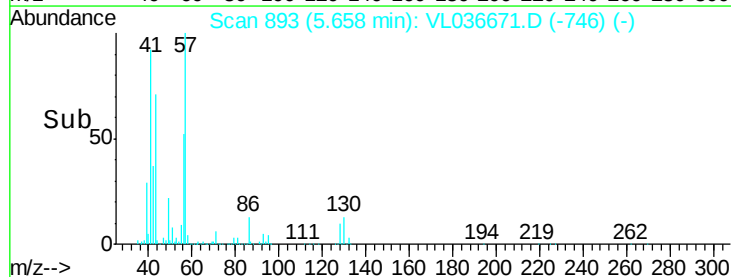
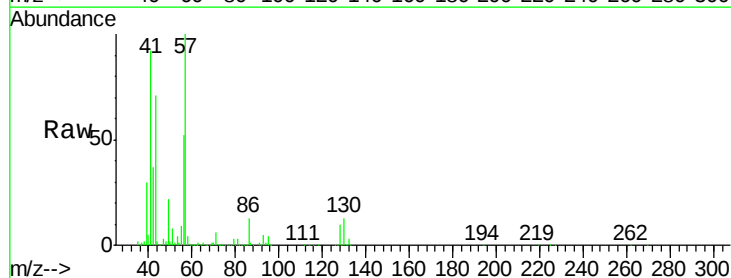
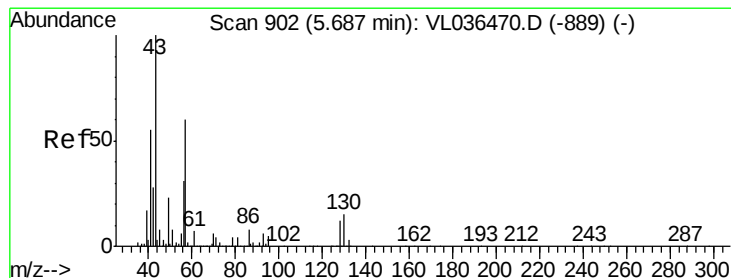
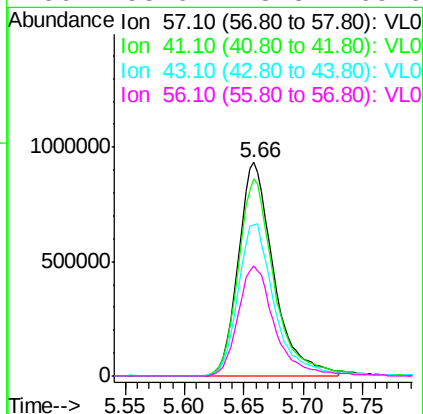
MMDadoda
4/5/2021 6:46:46 PM

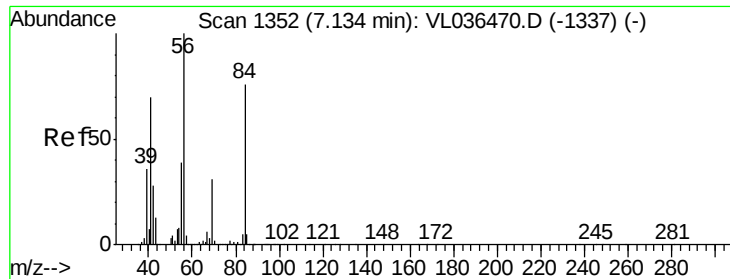


#26
Hexane
Concen: 16.738 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Tgt Ion: 57 Resp: 1926834

Ion	Ratio	Lower	Upper
57	100		
41	95.0	77.2	115.8
43	73.4	173.8	260.6#
56	53.6	43.8	65.6





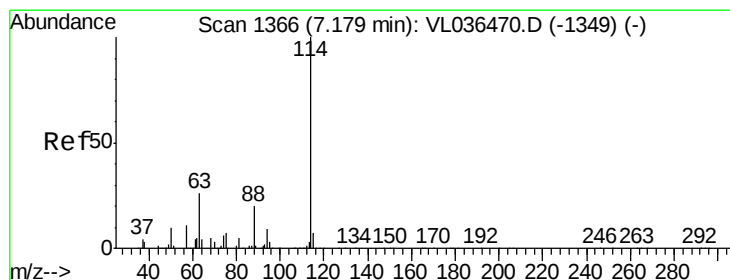
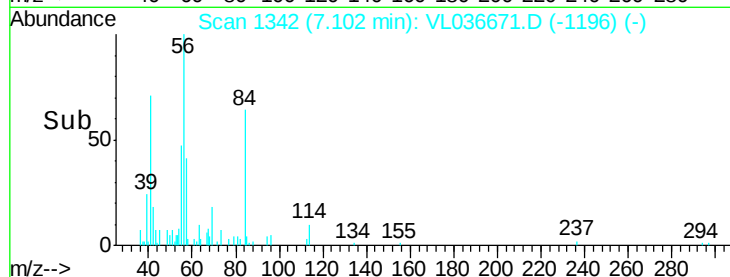
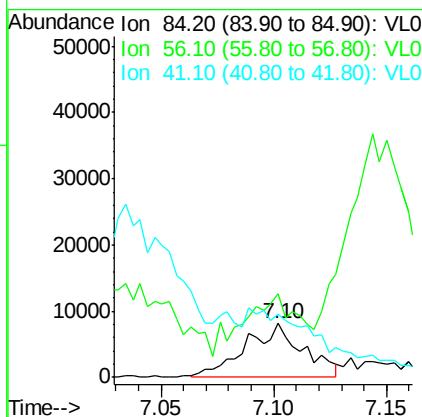
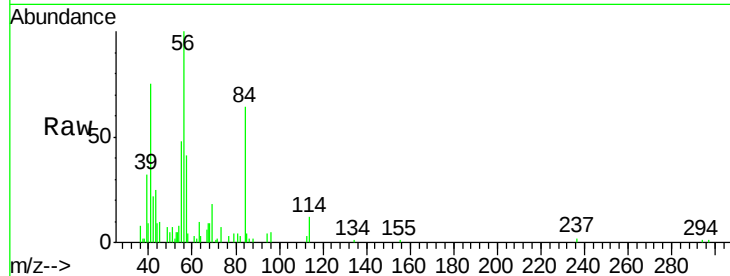
#30
Cyclohexane
Concen: 0.155 ppbv m
RT: 7.10 min Scan# 1342
Delta R.T. -0.03 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Instrument :
MSVOA_L
ClientSampleId :
SOFF-SG-01

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	0.0	75.3	112.9#

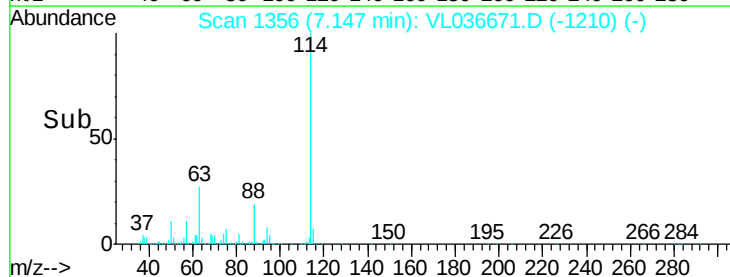
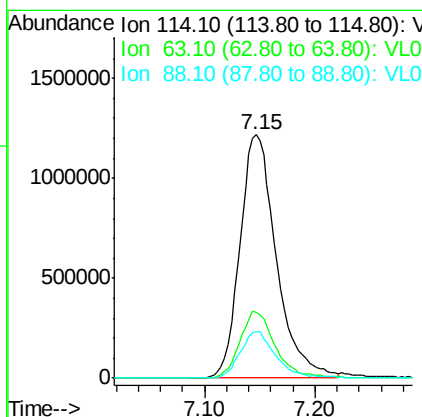
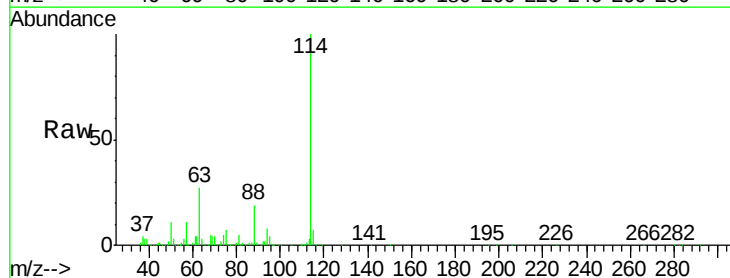
Manual Integrations
APPROVED

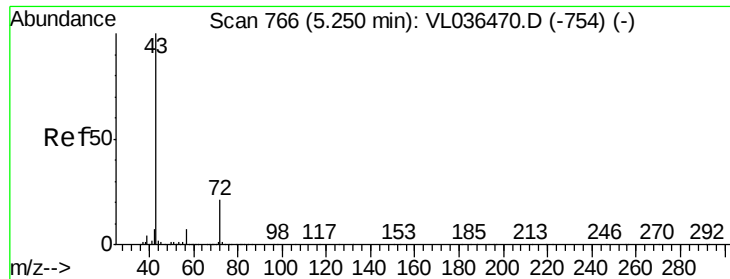
MMDadoda
4/5/2021 6:46:46 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.7	22.4	33.6
88	18.8	15.4	23.0





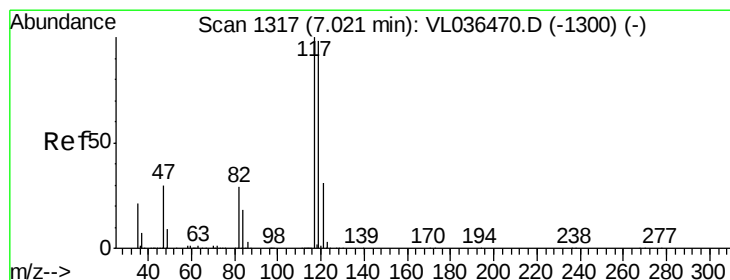
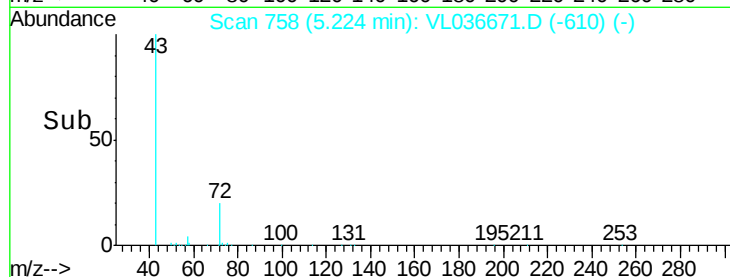
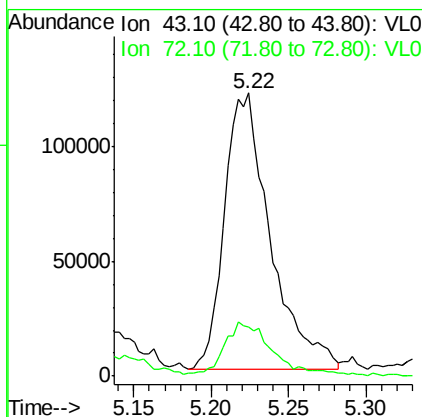
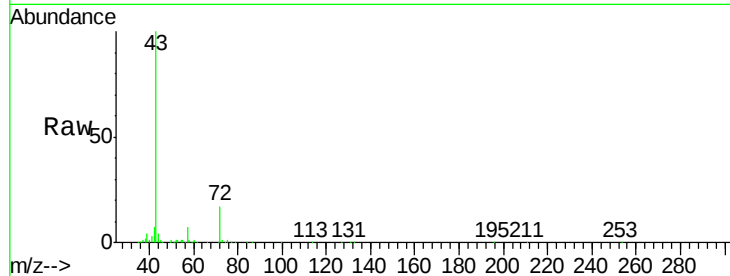
#34
2-Butanone
Concen: 1.814 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.03 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Instrument :
MSVOA_L
ClientSampleId :
SOFF-SG-01

Tot Ion	Ratio	Lower	Upper
43	100		
72	21.0	17.0	25.6

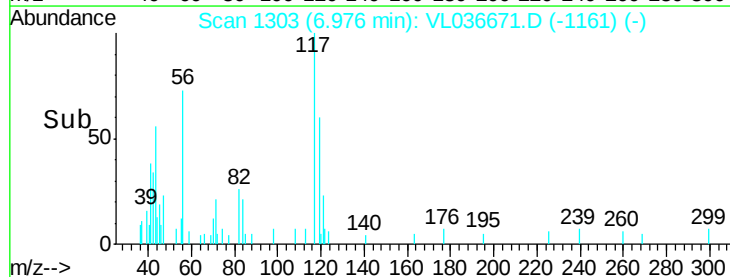
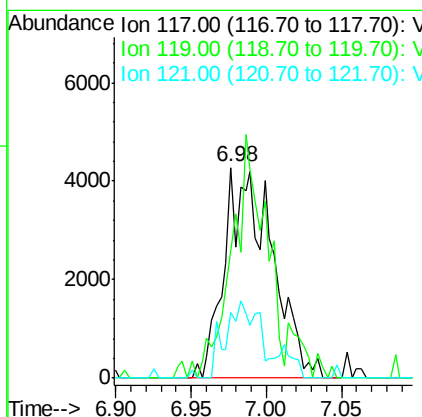
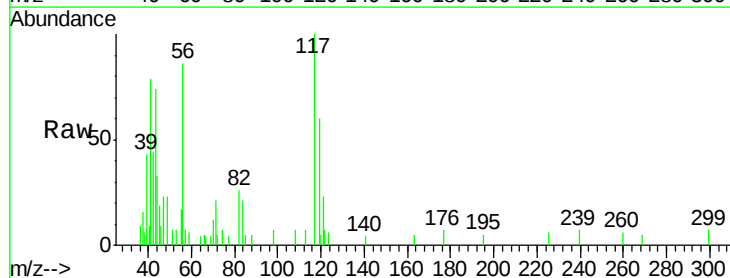
Manual Integrations
APPROVED

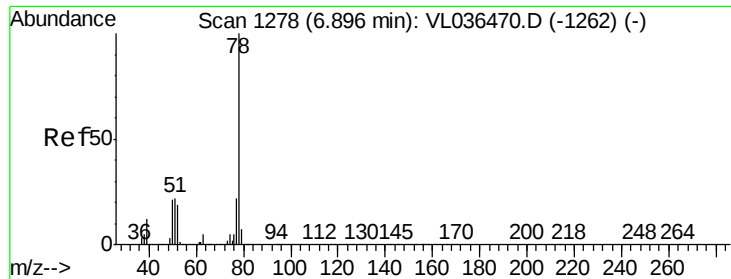
MMDadoda
4/5/2021 6:46:46 PM



#35
Carbon Tetrachloride
Concen: 0.044 ppbv m
RT: 6.98 min Scan# 1303
Delta R.T. -0.04 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	60.3	78.2	117.2#
121	23.4	24.5	36.7#





#36

Benzene

Concen: 0.146 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

Instrument :

MSVOA_L

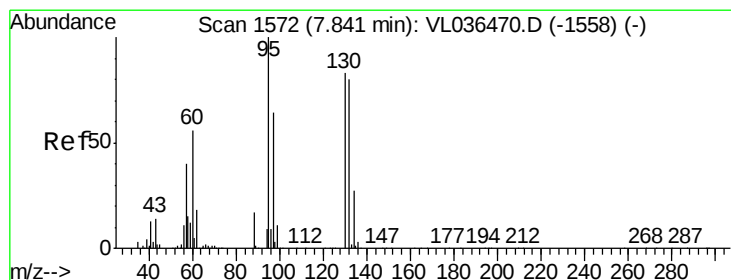
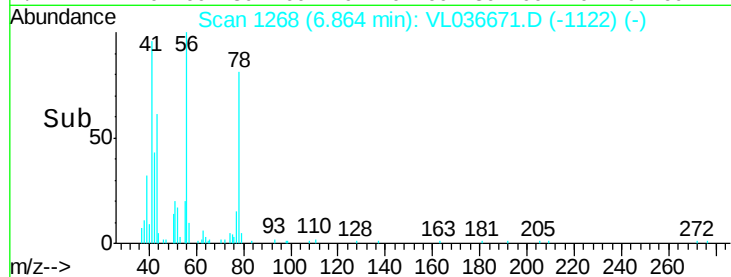
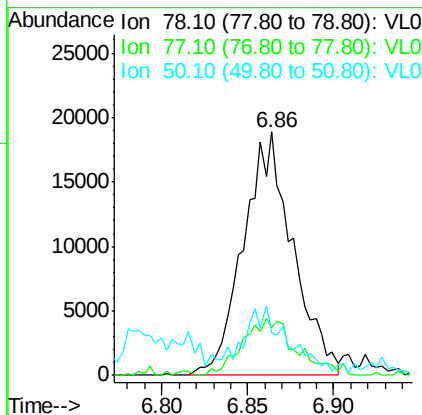
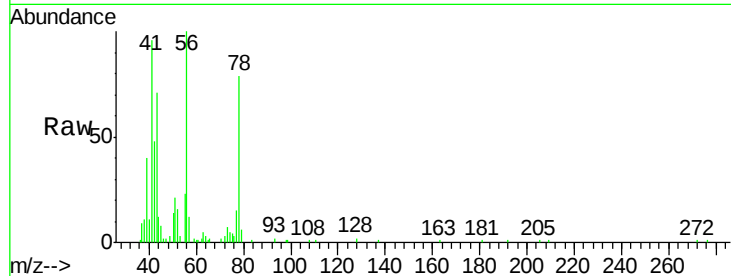
ClientSampleId :

SOFF-SG-01

Tot Ion:	78	Resp:	37609
Ion	Ratio	Lower	Upper
78	100		
77	17.6	18.0	27.0#
50	12.9	16.5	24.7#

Manual Integrations
APPROVED

MMDadoda
4/5/2021 6:46:46 PM



#40

1,4-Dioxane

Concen: 1.909 ppbv

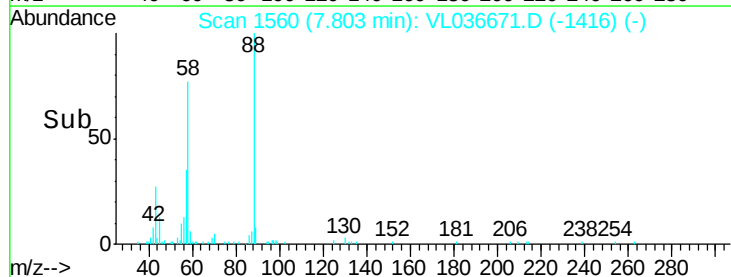
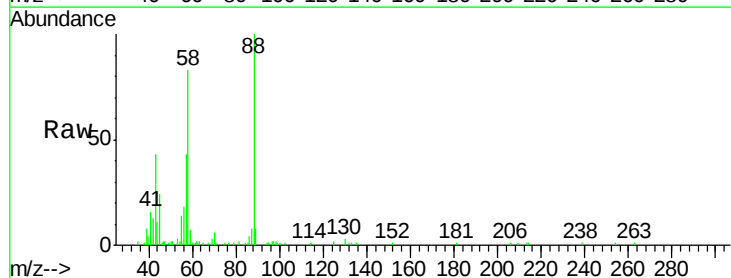
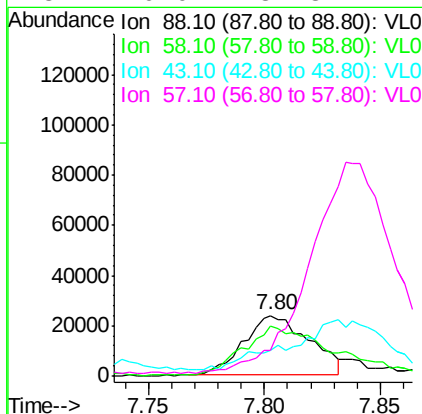
RT: 7.80 min Scan# 1560

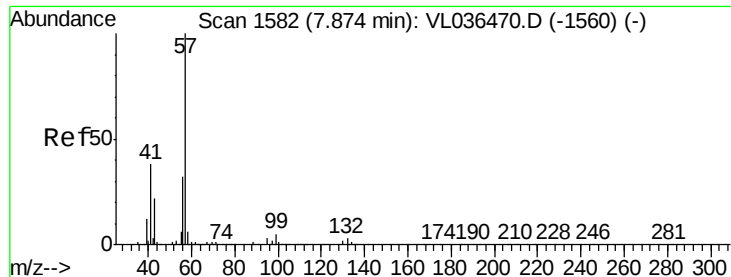
Delta R.T. -0.04 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

Tgt Ion:	88	Resp:	46344
Ion	Ratio	Lower	Upper
88	100		
58	123.5	134.1	201.1#
43	14.8	346.6	520.0#
57	0.0	1481.8	2222.8#





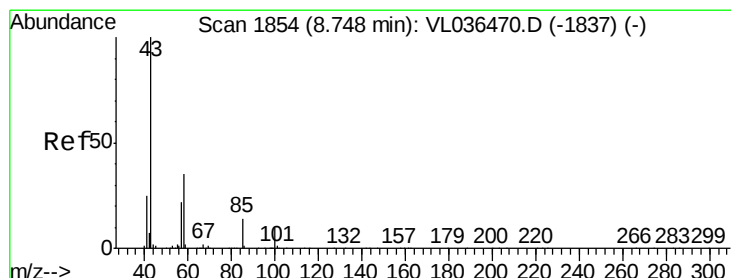
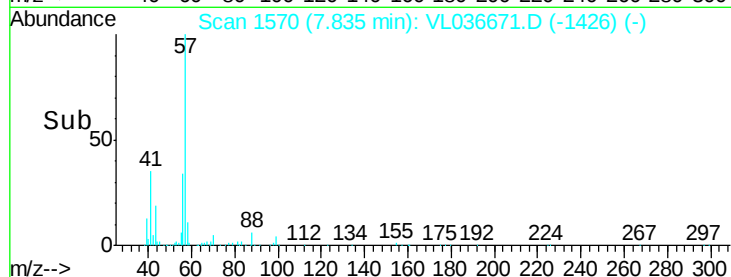
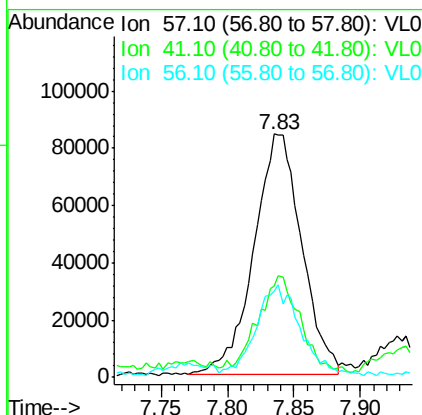
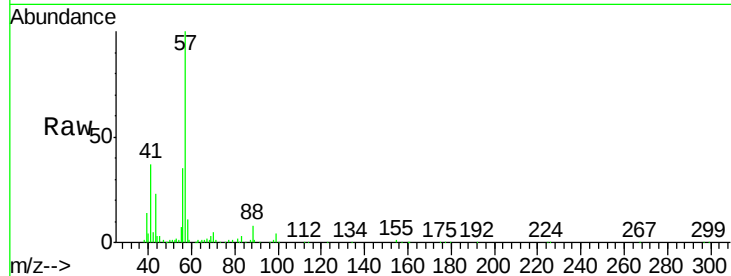
#44
 2,2,4-Trimethylpentane
 Concen: 0.470 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.04 min
 Lab File: VL036671.D
 Acq: 3 Apr 2021 8:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SOFF-SG-01

Tot Ion	57	Resp	212559
Ion Ratio	Lower	Upper	
57	100		
41	38.1	28.8	43.2
56	39.1	26.1	39.1#

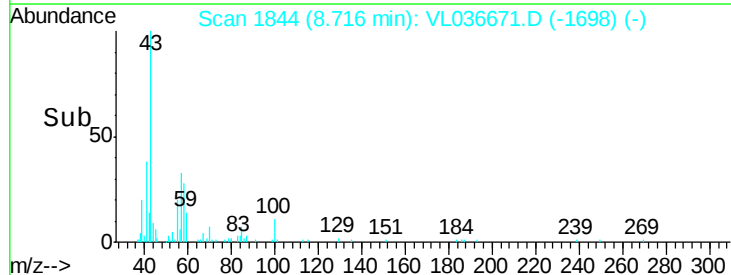
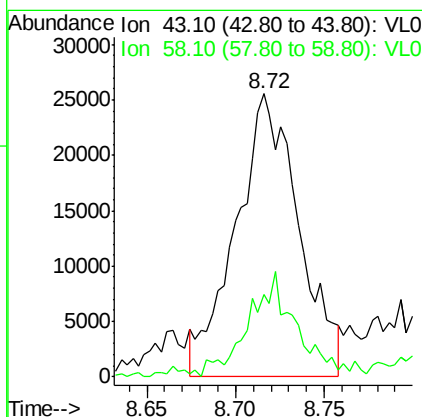
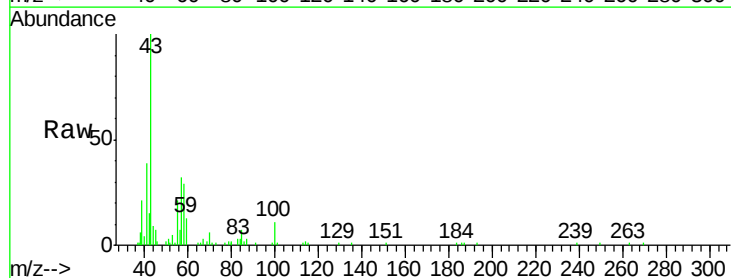
Manual Integrations
 APPROVED

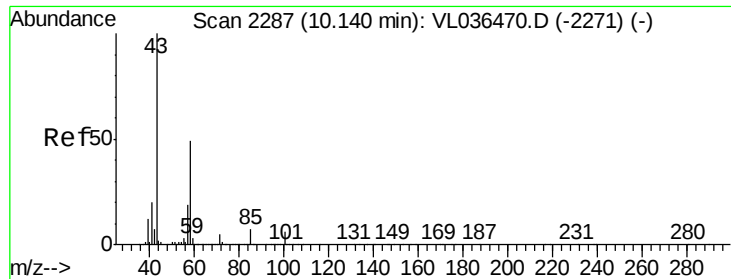
MMDadoda
 4/5/2021 6:46:46 PM



#50
 4-Methyl-2-Pentanone
 Concen: 0.320 ppbv m
 RT: 8.72 min Scan# 1844
 Delta R.T. -0.03 min
 Lab File: VL036671.D
 Acq: 3 Apr 2021 8:24

Tgt Ion	43	Resp	63097
Ion Ratio	Lower	Upper	
43	100		
58	0.0	28.2	42.2#





#51

2-Hexanone

Concen: 3.963 ppbv

RT: 10.10 min Scan# 2275

Delta R.T. -0.04 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

Instrument :

MSVOA_L

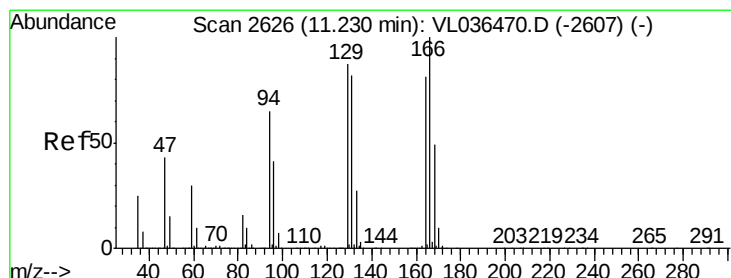
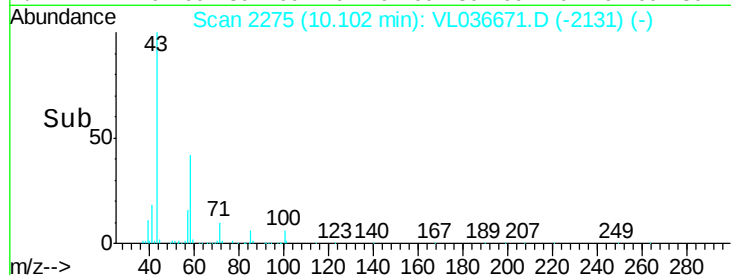
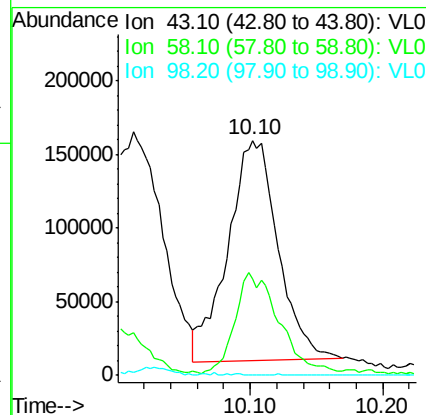
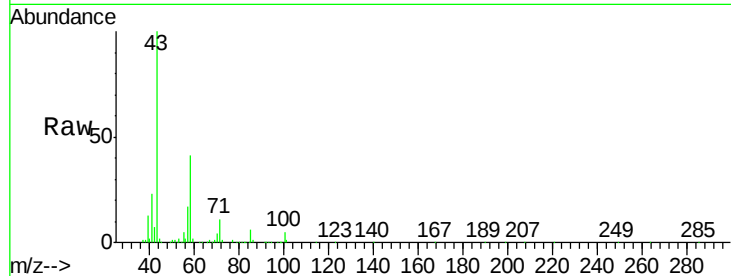
ClientSampleId :

SOFF-SG-01

Tot Ion:	43	Resp:	393903
Ion Ratio	Lower	Upper	
43	100		
58	44.5	37.7	56.5
98	0.5	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
4/5/2021 6:46:46 PM



#52

Tetrachloroethene

Concen: 0.321 ppbv m

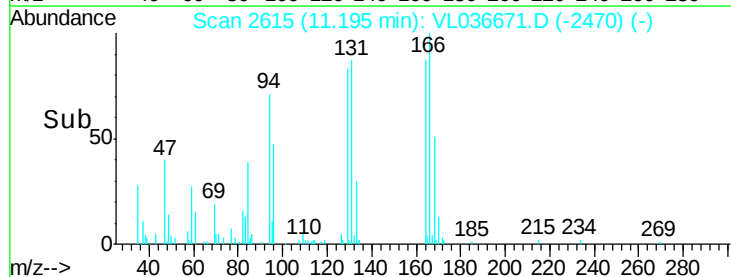
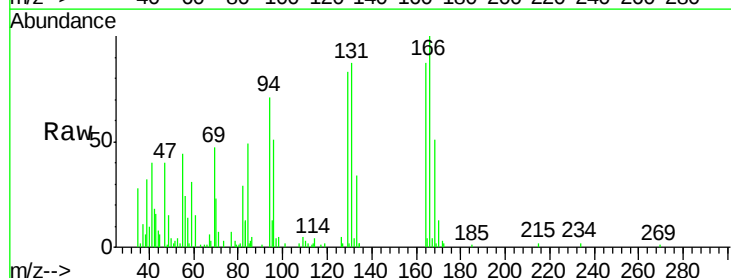
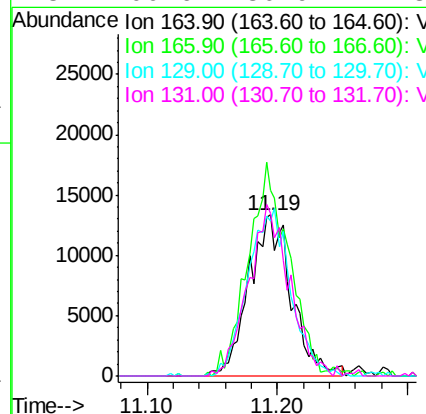
RT: 11.19 min Scan# 2615

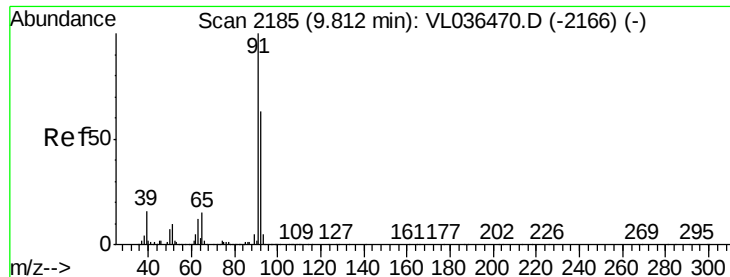
Delta R.T. -0.04 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

Tgt Ion:	164	Resp:	30393
Ion Ratio	Lower	Upper	
164	100		
166	115.2	98.3	147.5
129	95.9	85.8	128.8
131	100.6	80.9	121.3





#53

Toluene

Concen: 0.906 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.04 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

Instrument :

MSVOA_L

ClientSampleId :

SOFF-SG-01

Tot Ion: 91 Resp: 248016

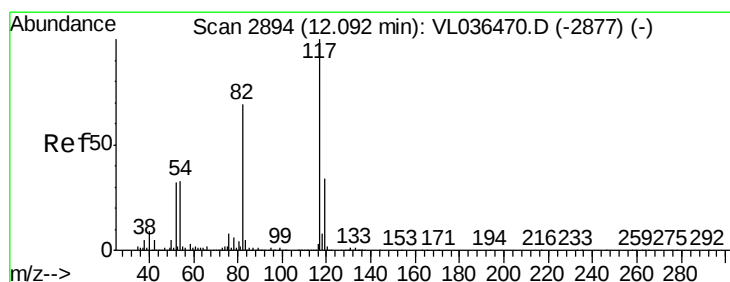
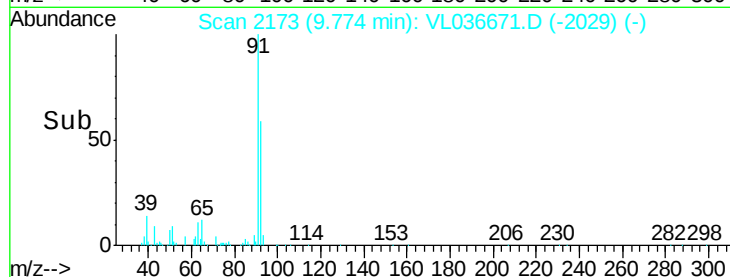
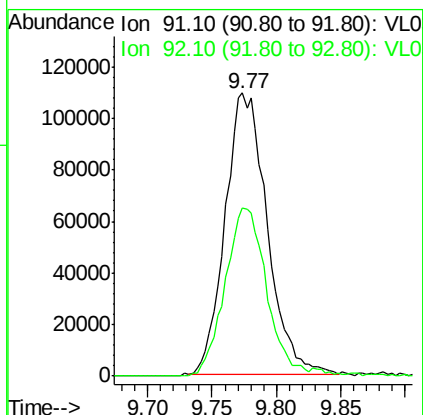
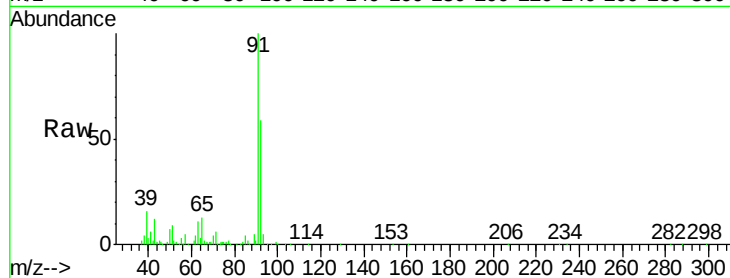
Ion Ratio Lower Upper

91 100

92 59.9 48.8 73.2

Manual Integrations
APPROVED

MMDadoda
4/5/2021 6:46:46 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.04 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

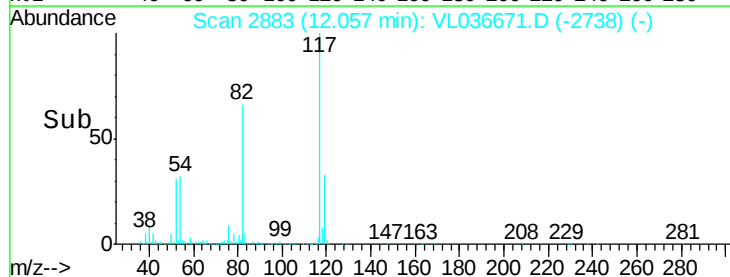
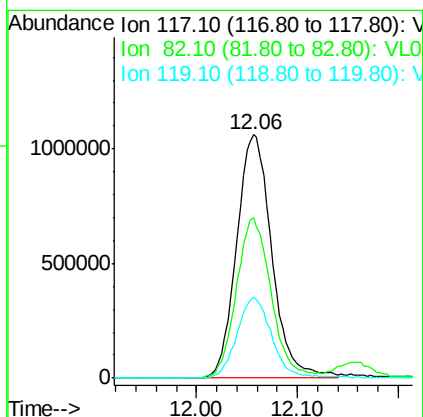
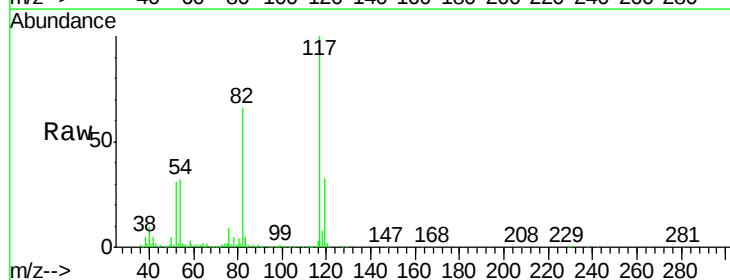
Tgt Ion: 117 Resp: 2571447

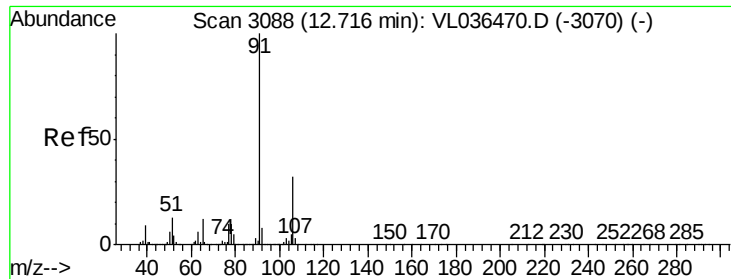
Ion Ratio Lower Upper

117 100

82 64.9 57.4 86.0

119 33.2 47.4 71.0#





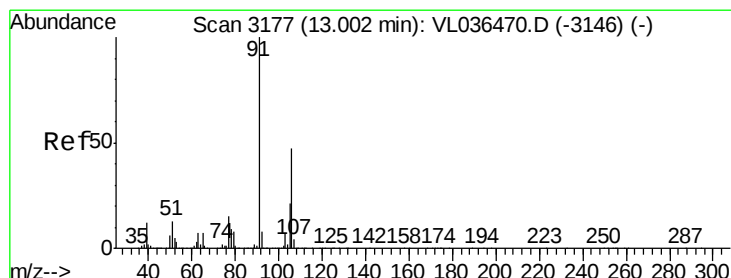
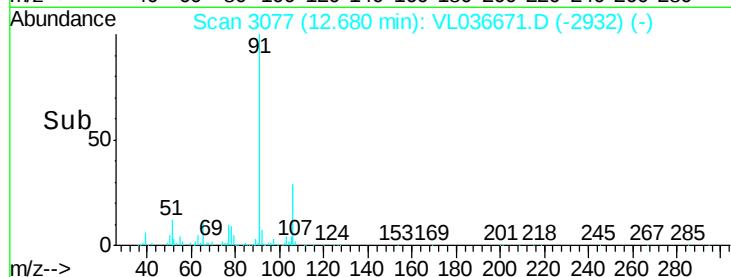
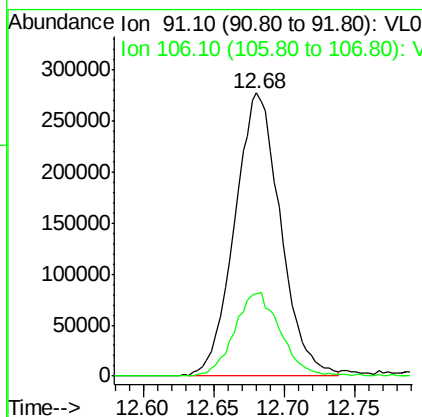
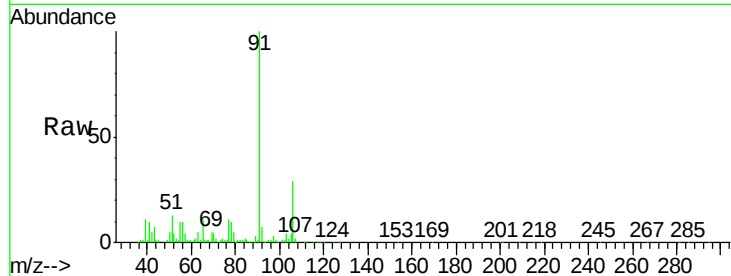
#58
Ethyl Benzene
Concen: 1.669 ppbv
RT: 12.68 min Scan# 3077
Delta R.T. -0.04 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Instrument :
MSVOA_L
ClientSampleId :
SOFF-SG-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		624495		
106	29.2	25.3	37.9		

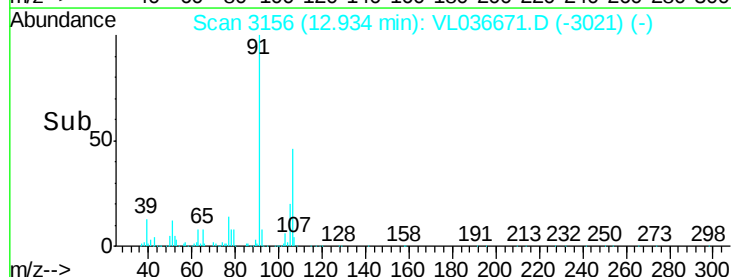
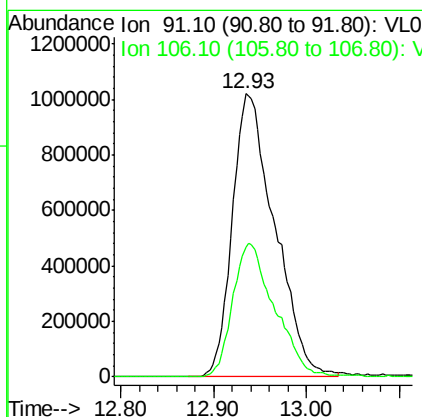
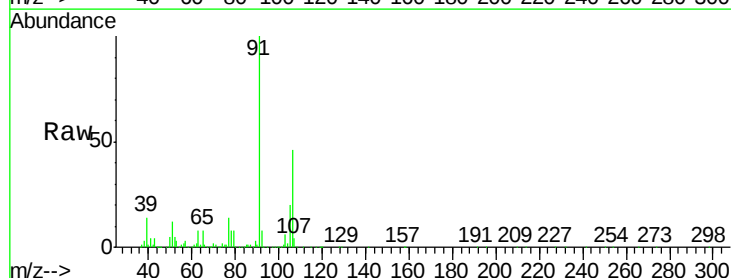
Manual Integrations
APPROVED

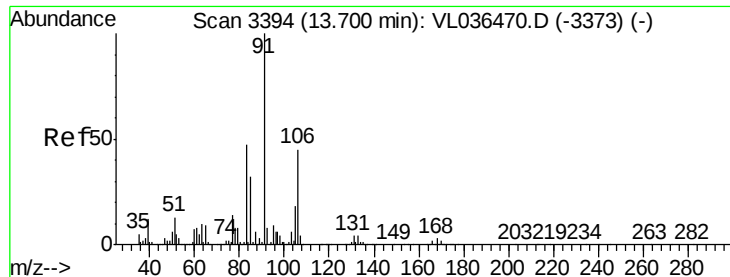
MMDadoda
4/5/2021 6:46:46 PM



#59
m/p-Xylene
Concen: 9.891 ppbv
RT: 12.93 min Scan# 3156
Delta R.T. -0.07 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		3227462		
106	47.0	35.3	52.9		





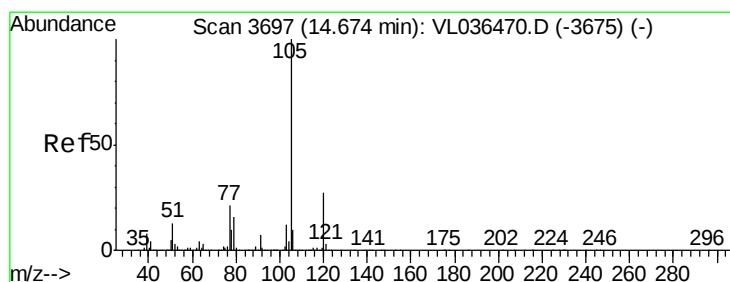
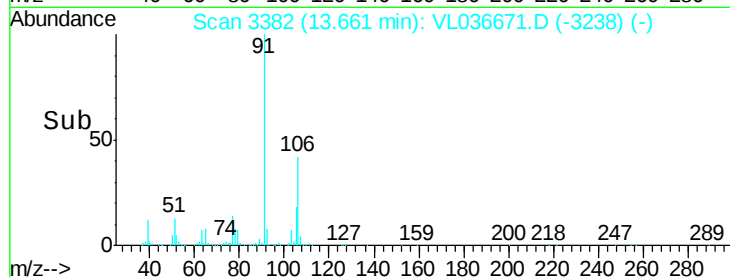
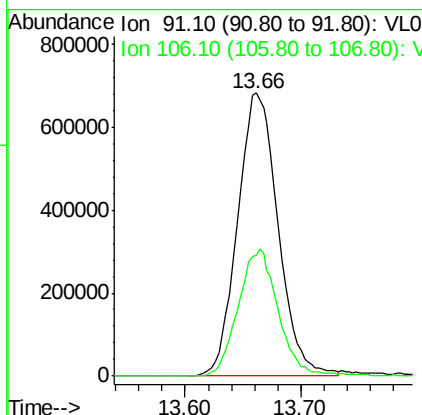
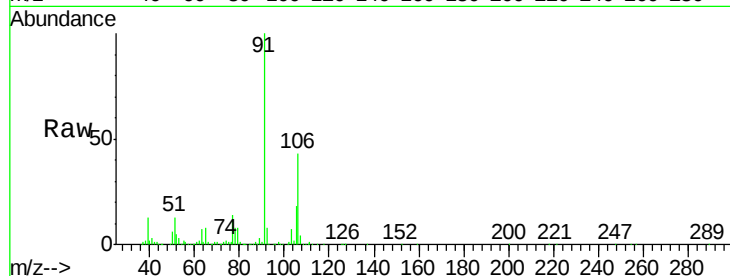
#60
o-Xylene
Concen: 5.216 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.04 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Instrument :
MSVOA_L
ClientSampleId :
SOFF-SG-01

Tot Ion: 91 Resp: 1645610
Ion Ratio Lower Upper
91 100
106 44.7 22.3 66.9

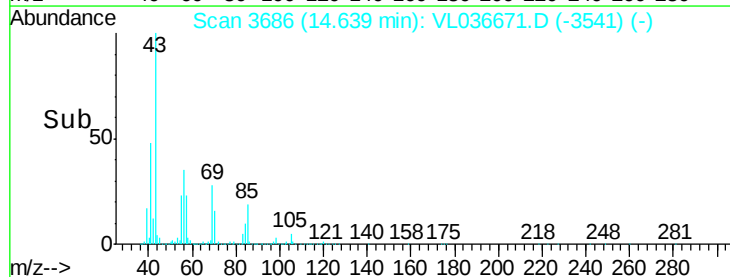
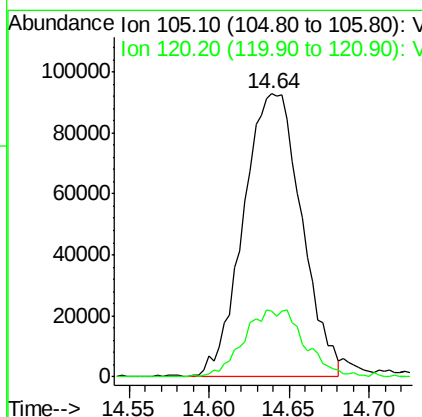
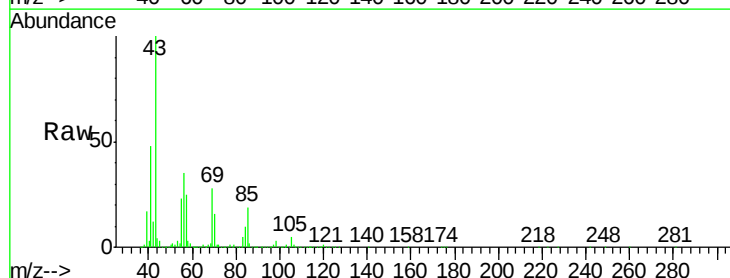
Manual Integrations
APPROVED

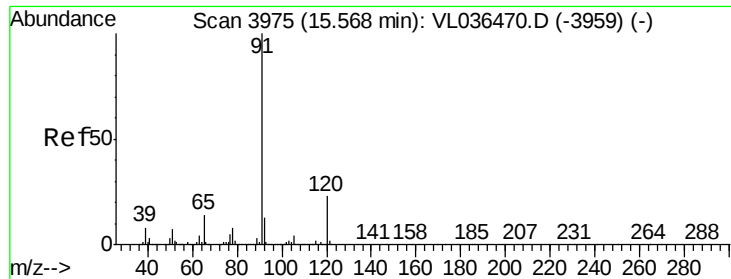
MMDadoda
4/5/2021 6:46:46 PM



#62
Isopropylbenzene
Concen: 0.545 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.04 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Tgt Ion: 105 Resp: 231752
Ion Ratio Lower Upper
105 100
120 25.1 20.6 31.0





#64

n-propylbenzene

Concen: 1.314 ppbv m

RT: 15.54 min Scan# 3966

Delta R.T. -0.03 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

Instrument :

MSVOA_L

ClientSampleId :

SOFF-SG-01

Tot Ion:120 Resp: 136490

Ion Ratio Lower Upper

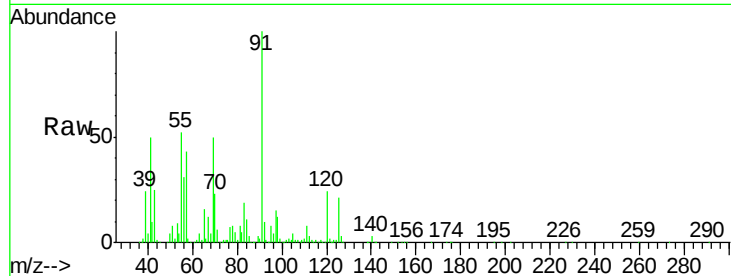
120 100

91 0.0 377.4 566.2#

Manual Integrations
APPROVED

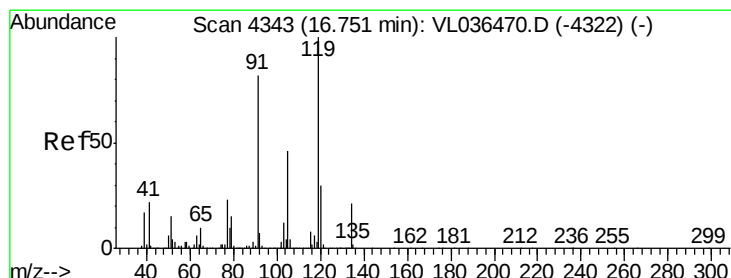
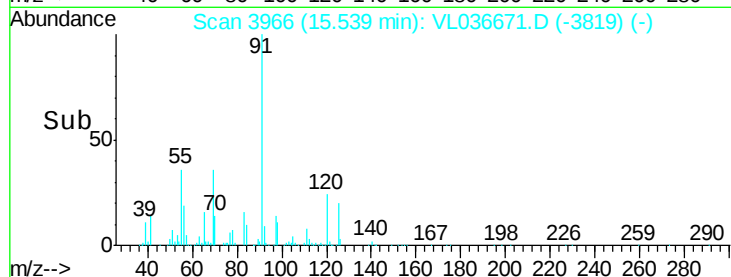
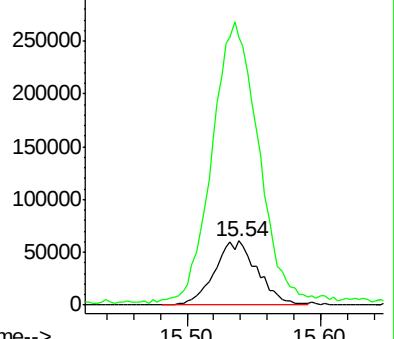
MMDadoda

4/5/2021 6:46:46 PM



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 1.216 ppbv m

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

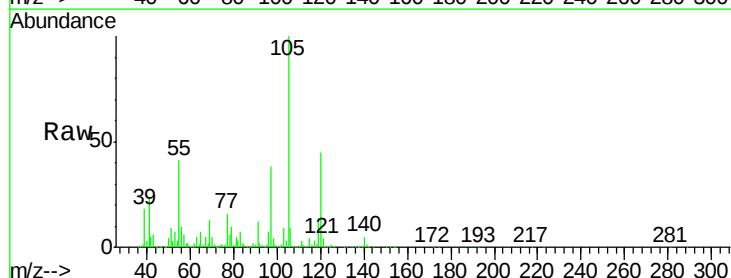
Tgt Ion:119 Resp: 448127

Ion Ratio Lower Upper

119 100

91 4.6 67.5 101.3#

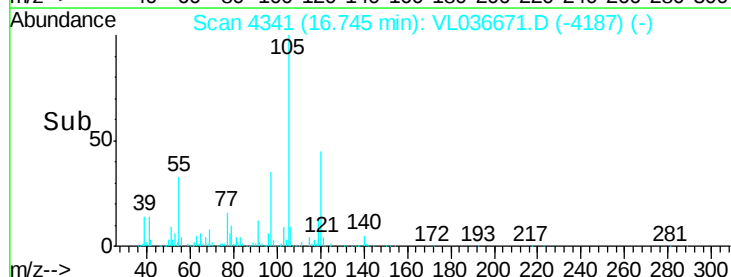
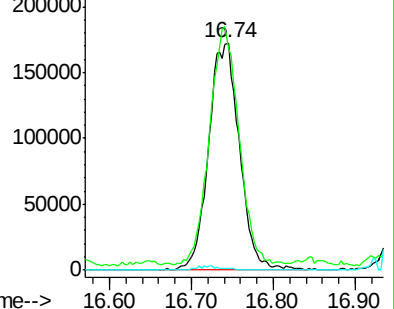
134 1.2 15.8 23.8#

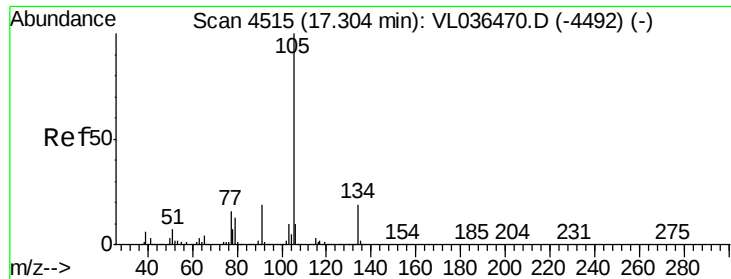


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 1.534 ppbv

RT: 17.28 min Scan# 4506

Delta R.T. -0.03 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

Instrument :

MSVOA_L

ClientSampleId :

SOFF-SG-01

Tot Ion: 105 Resp: 797737

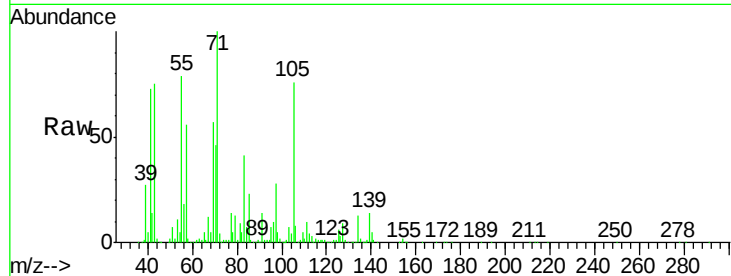
Ion Ratio Lower Upper

105 100

134 18.4 14.7 22.1

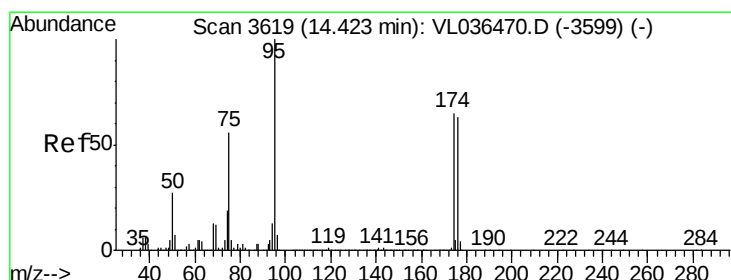
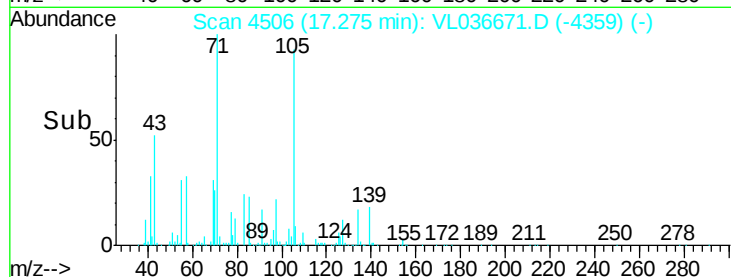
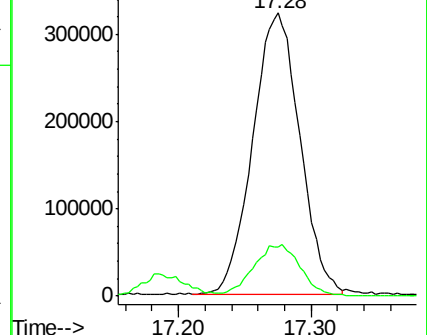
Manual Integrations
APPROVED

MMDadoda
4/5/2021 6:46:46 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: 10.430 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.04 min

Lab File: VL036671.D

Acq: 3 Apr 2021 8:24

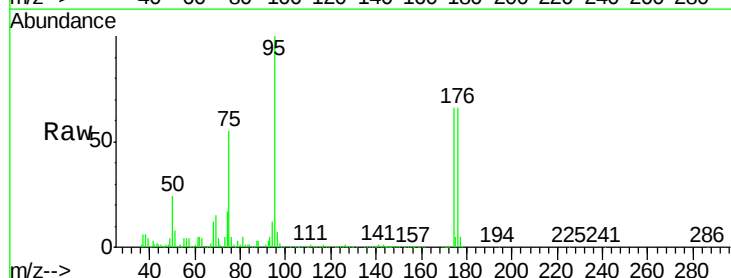
Tgt Ion: 95 Resp: 2137656

Ion Ratio Lower Upper

95 100

174 69.0 51.0 76.6

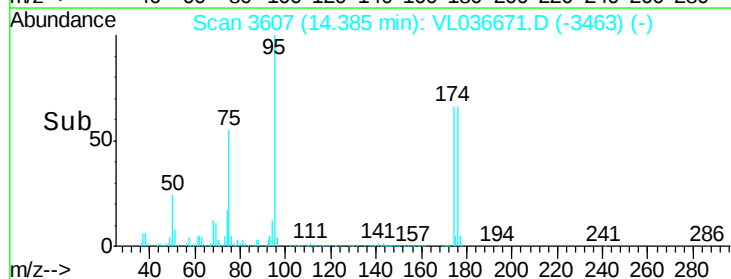
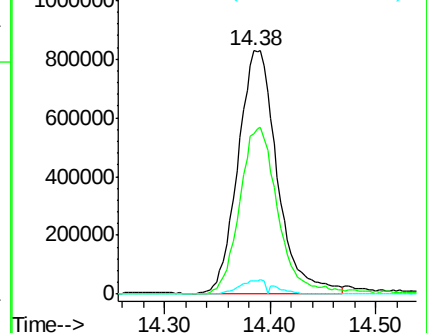
175 5.1 3.9 5.9

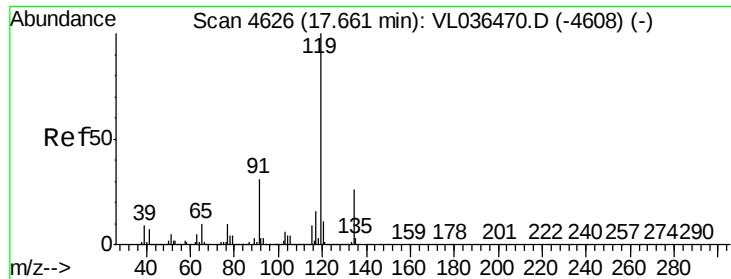


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





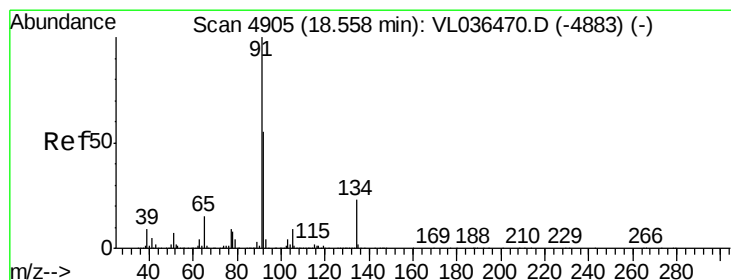
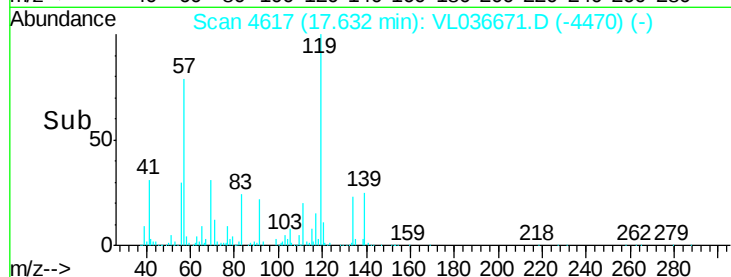
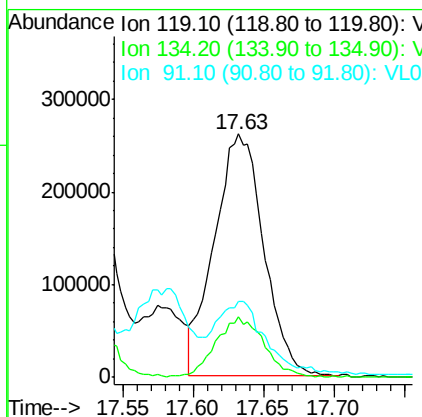
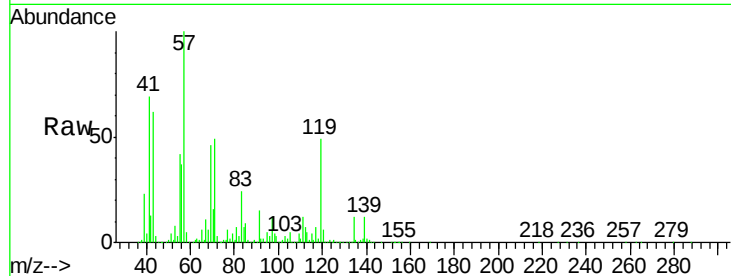
#69
 p-Isopropyltoluene
 Concen: 1.572 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.03 min
 Lab File: VL036671.D
 Acq: 3 Apr 2021 8:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SOFF-SG-01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	638367		
134	24.6	20.6	30.8	
91	32.3	25.0	37.6	

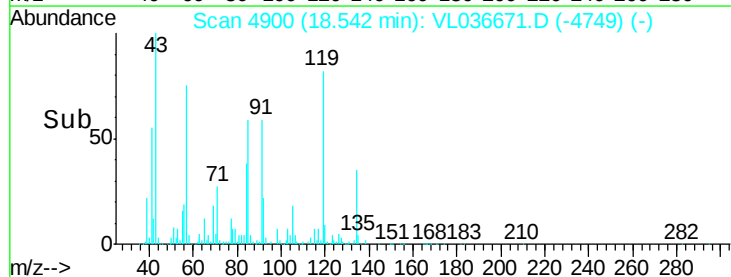
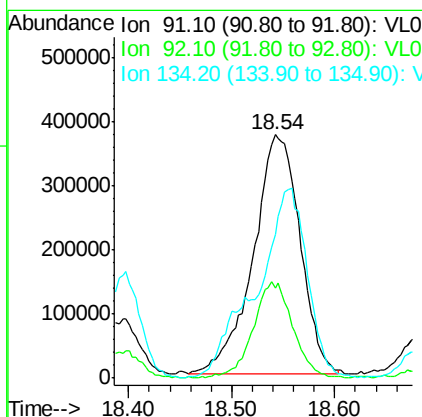
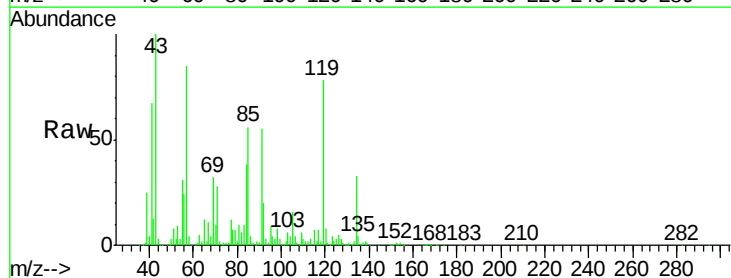
Manual Integrations
 APPROVED

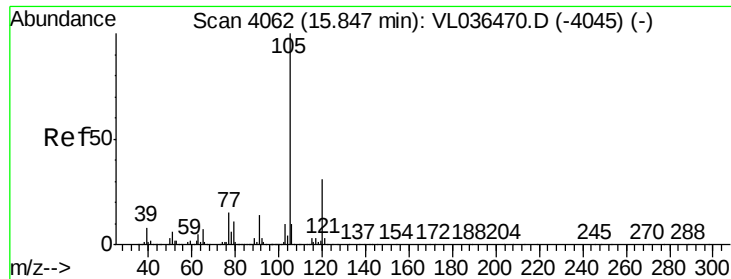
MMDadoda
 4/5/2021 6:46:46 PM



#70
 n-Butylbenzene
 Concen: 2.780 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL036671.D
 Acq: 3 Apr 2021 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1170426		
92	33.4	43.8	65.8#	
134	87.0	18.0	27.0#	





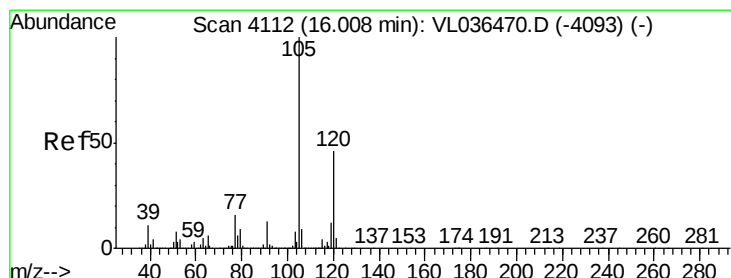
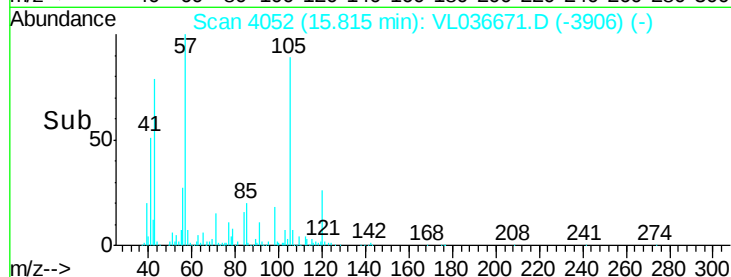
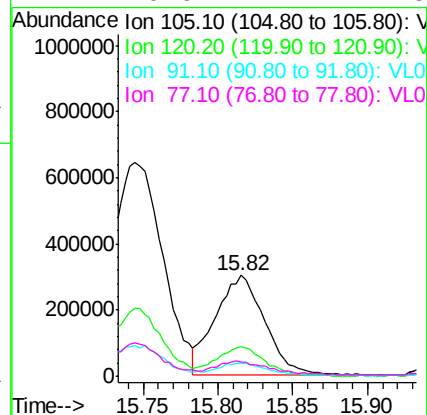
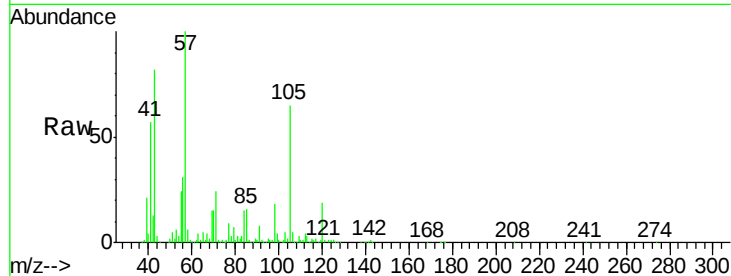
#72
4-Ethyltoluene
Concen: 2.003 ppbv
RT: 15.82 min Scan# 4052
Delta R.T. -0.03 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Instrument :
MSVOA_L
ClientSampled :
SOFF-SG-01

Tot Ion:	105	Resp:	692588
Ion Ratio	Lower	Upper	
105	100		
120	29.3	24.0	36.0
91	13.3	11.0	16.4
77	16.6	11.7	17.5

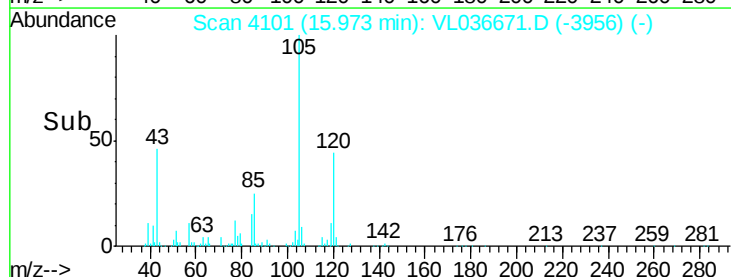
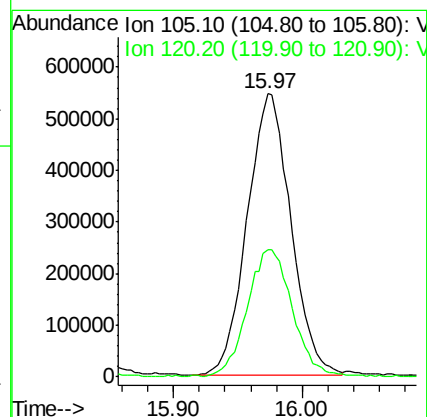
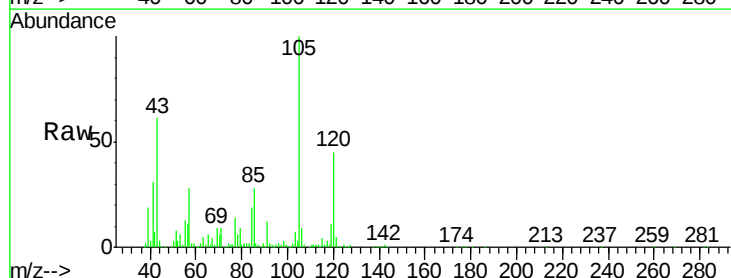
Manual Integrations
APPROVED

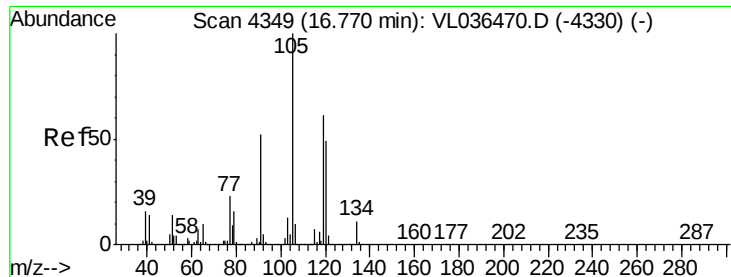
MMDadoda
4/5/2021 6:46:46 PM



#73
1,3,5-Trimethylbenzene
Concen: 4.001 ppbv
RT: 15.97 min Scan# 4101
Delta R.T. -0.04 min
Lab File: VL036671.D
Acq: 3 Apr 2021 8:24

Tgt Ion:	105	Resp:	1290872
Ion Ratio	Lower	Upper	
105	100		
120	44.8	36.6	54.8





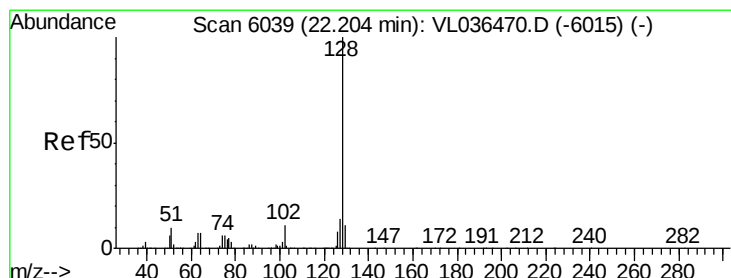
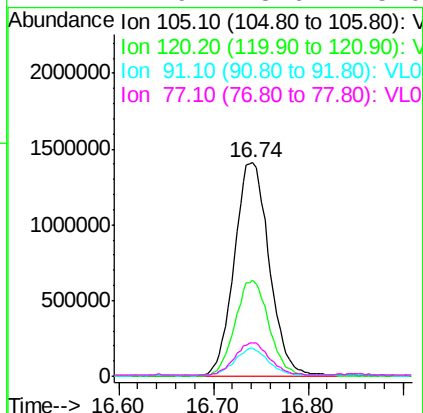
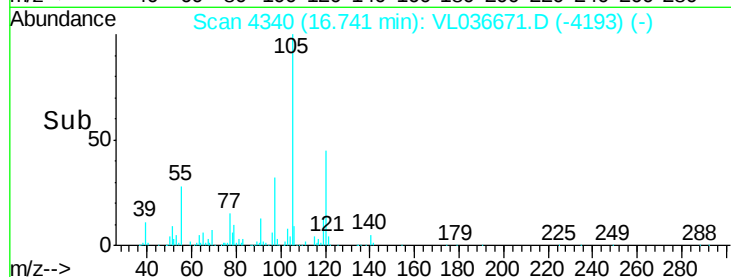
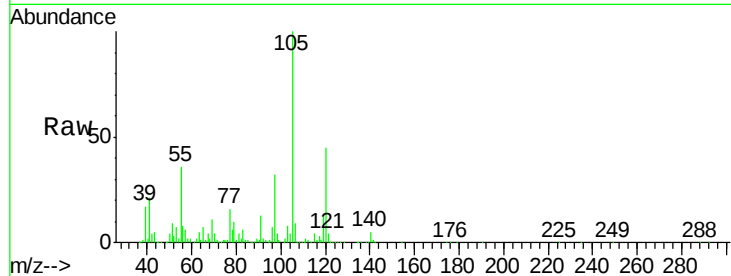
#74
 1,2,4-Trimethylbenzene
 Concen: 10.494 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.03 min
 Lab File: VL036671.D
 Acq: 3 Apr 2021 8:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SOFF-SG-01

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.8	39.2	58.8
91	12.7	42.6	64.0#
77	14.9	18.6	28.0#

Manual Integrations
 APPROVED

MMDadoda
 4/5/2021 6:46:46 PM



#79
 Naphthalene
 Concen: 1.042 ppbv
 RT: 22.18 min Scan# 6031
 Delta R.T. -0.03 min
 Lab File: VL036671.D
 Acq: 3 Apr 2021 8:24

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.9	16.3
129	13.0	9.0	13.4

