

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036623.D
 Acq On : 1 Apr 2021 5:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:18 PM

Quant Time: Apr 01 08:35:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 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	5.68	49	1528371	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3794468	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	3533411m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2849610	10.12	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2187998	8.777 ppbv	99
3) Chlorodifluoromethane	2.99	51	2688100	9.414 ppbv	100
4) Chloromethane	3.15	50	902121	8.944 ppbv	93
5) Vinyl Chloride	3.26	62	915107	8.824 ppbv	98
6) Bromomethane	3.48	94	500088	8.758 ppbv	96
7) Chloroethane	3.56	64	317215	8.901 ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	2142563	9.005 ppbv	99
9) Propene	3.02	41	901238	9.900 ppbv	97
10) Heptane	8.14	43	2320622	10.007 ppbv	99
11) Trichlorofluoromethane	3.96	101	2126462	8.370 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1407922	8.668 ppbv	99
13) Ethanol	3.62	45	88856m	8.197 ppbv	
14) Bromoethene	3.75	108	609296	9.023 ppbv	99
15) Acetone	3.86	43	1197802	7.963 ppbv	99
16) 1,3-Butadiene	3.33	39	938541	8.962 ppbv	97
17) tert-Butyl alcohol	4.30	59	1143669	8.734 ppbv	99
18) 1,1-Dichloroethene	4.30	96	621155	8.598 ppbv	99
19) Isopropyl Alcohol	3.98	45	652958	7.891 ppbv	98
20) Methylene Chloride	4.36	84	530652	7.534 ppbv	98
21) Allyl Chloride	4.42	41	1076727	8.979 ppbv	97
22) trans-1,2-Dichloroethene	4.90	96	599862	8.956 ppbv	98
23) Vinyl Acetate	5.09	43	2510966	9.758 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1752225	9.343 ppbv	98
25) Ethyl Acetate	5.69	43	3438325	9.614 ppbv	100
26) Hexane	5.70	57	1633420	9.842 ppbv	99
27) Carbon Disulfide	4.56	76	1557207	9.525 ppbv	97
28) Methyl tert-Butyl Ether	5.05	73	1931018	9.866 ppbv	98
29) Chloroform	5.77	83	2542445	9.579 ppbv	99
30) Cyclohexane	7.15	84	1388944	10.319 ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1599967	9.967 ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2586817	9.671 ppbv	99
34) 2-Butanone	5.26	43	1750519	9.451 ppbv	99
35) Carbon Tetrachloride	7.03	117	2679690	9.194 ppbv	99
36) Benzene	6.91	78	3356481	9.591 ppbv	98
37) 1,2-Dichloroethane	6.32	62	1934196	9.391 ppbv	100
38) Trichloroethene	7.85	130	1176512	8.639 ppbv	99
39) 1,2-Dichloropropane	7.63	63	1346978	9.489 ppbv	99
40) 1,4-Dioxane	7.85	88	256653	7.768 ppbv	# 1
41) Tetrahydrofuran	6.07	42	805617	9.433 ppbv	95
42) Bromodichloromethane	7.81	83	2789179	9.956 ppbv	100
43) Methyl Methacrylate	8.03	69	1225556	10.429 ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036623.D
 Acq On : 1 Apr 2021 5:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

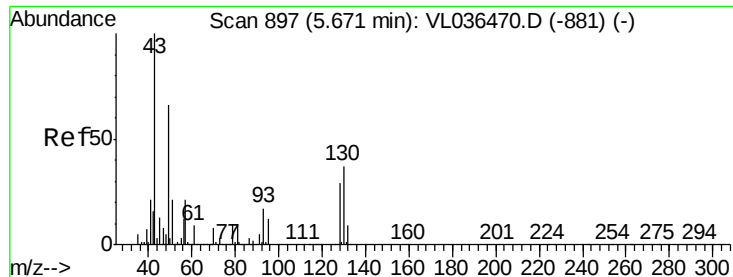
MMDadoda
 4/2/2021 6:54:18 PM

Quant Time: Apr 01 08:35:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	5677904	9.219	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1385121	10.323	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1715187	10.000	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1342177	9.335	ppbv	97
48) Dibromochloromethane	10.33	129	2161668	9.862	ppbv	100
49) Bromoform	13.07	173	1694259	9.593	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2662980	9.936	ppbv	100
51) 2-Hexanone	10.16	43	1466825	10.846	ppbv #	100
52) Tetrachloroethene	11.25	164	1084136	8.413	ppbv	98
53) Toluene	9.83	91	3671962	9.853	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1868534	9.202	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1456034	9.111	ppbv	99
57) Chlorobenzene	12.17	112	2618682	8.710	ppbv	99
58) Ethyl Benzene	12.73	91	4852030	9.439	ppbv	100
59) m/p-Xylene	13.01	91	8105085m	18.077	ppbv	
60) o-Xylene	13.72	91	3835215	8.846	ppbv	99
61) Styrene	13.55	104	2245234	10.294	ppbv	99
62) Isopropylbenzene	14.69	105	5142336	8.808	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2650646	8.015	ppbv	100
64) n-propylbenzene	15.59	120	1333193	9.340	ppbv	99
65) tert-Butylbenzene	16.77	119	4357171	8.607	ppbv	99
66) Benzyl Chloride	17.01	91	598618m	10.698	ppbv	
67) sec-Butylbenzene	17.32	105	6136612	8.587	ppbv	100
69) p-Isopropyltoluene	17.67	119	5084625	9.112	ppbv	100
70) n-Butylbenzene	18.57	91	5366531	9.275	ppbv	99
71) 2-Chlorotoluene	15.48	91	3919953	8.960	ppbv	100
72) 4-Ethyltoluene	15.86	105	4427736	9.320	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3944724	8.897	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4048244	8.532	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	2239807	8.387	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2159159	8.143	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2110364	8.406	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1859291	8.270	ppbv	99
79) Naphthalene	22.23	128	3378606	12.203	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	504248	9.236	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	1849163	10.817	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1528371

Ion Ratio Lower Upper

49 100

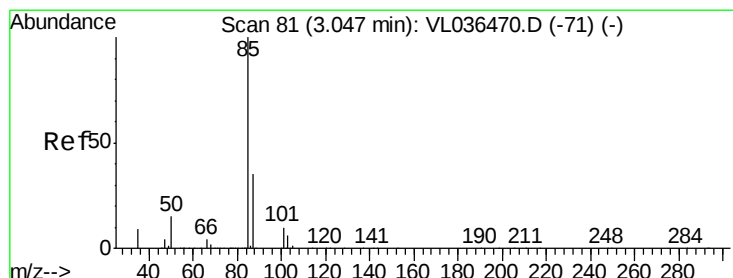
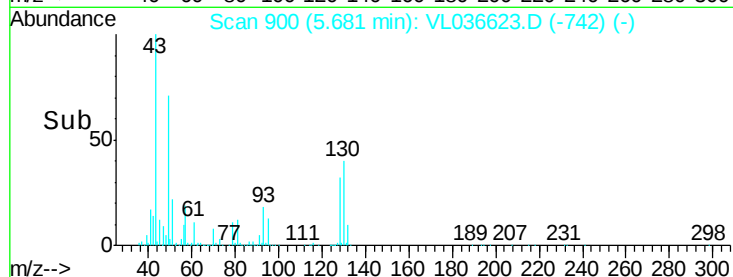
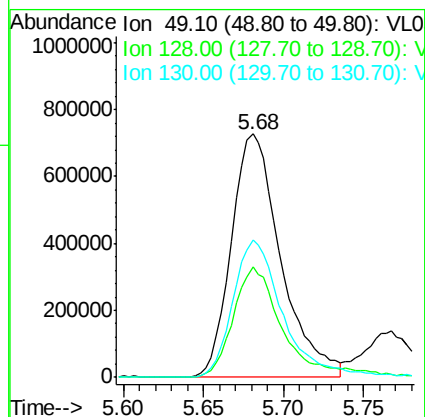
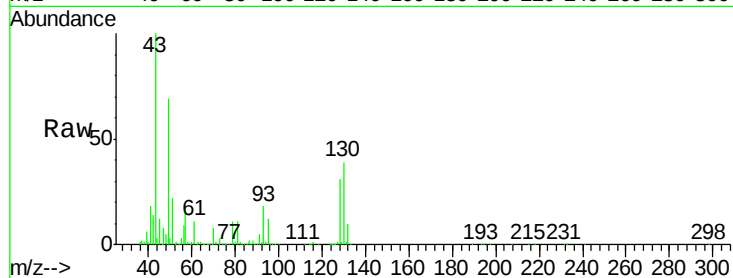
128 47.4 23.5 70.6

130 58.4 29.1 87.4

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:54:18 PM



#2

Dichlorodifluoromethane

Concen: 8.777 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036623.D

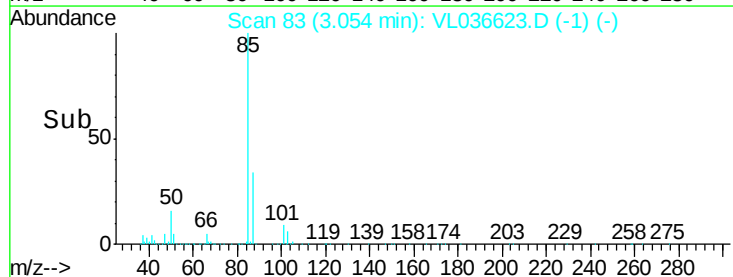
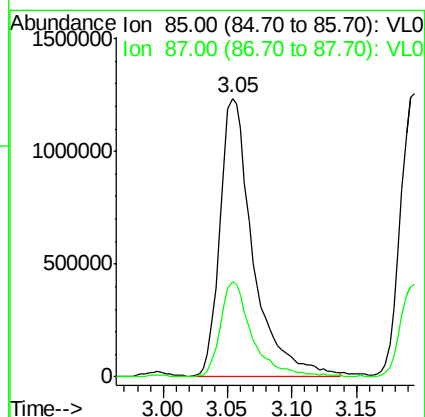
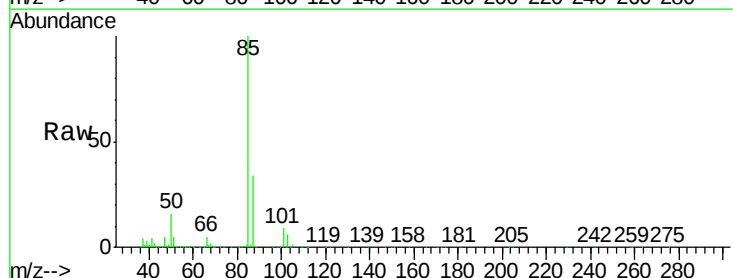
Acq: 1 Apr 2021 5:25

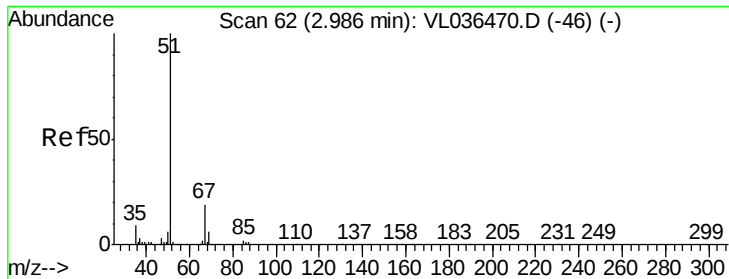
Tgt Ion: 85 Resp: 2187998

Ion Ratio Lower Upper

85 100

87 34.2 27.8 41.8





#3

Chlorodifluoromethane

Concen: 9.414 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tot Ion: 51 Resp: 2688100

Ion Ratio Lower Upper

51 100

67 18.4 14.7 22.1

Instrument :

MSVOA_L

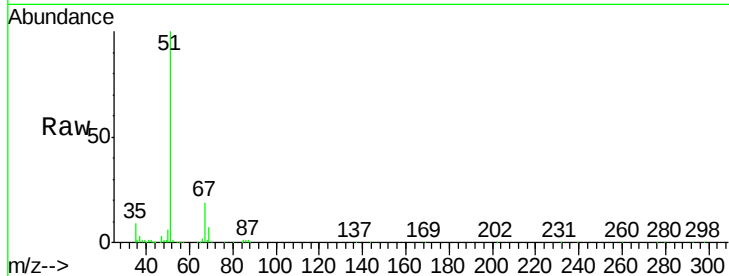
ClientSampleId :

VSTDCCC010EC

Manual Integrations
APPROVED

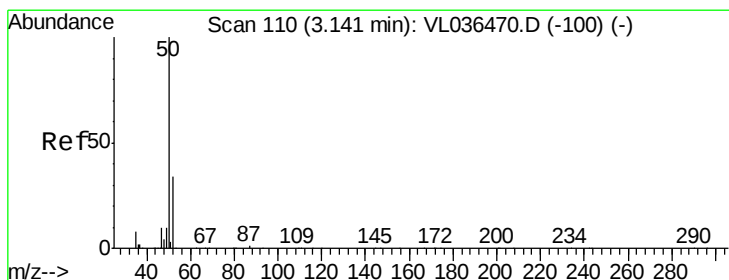
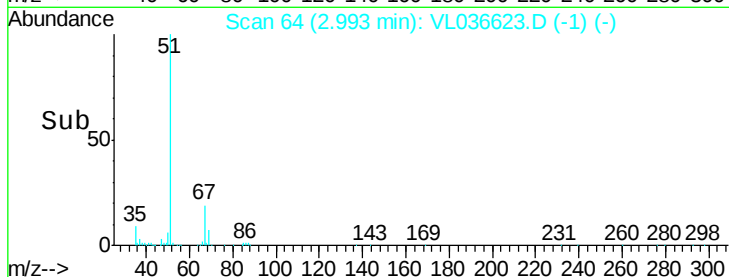
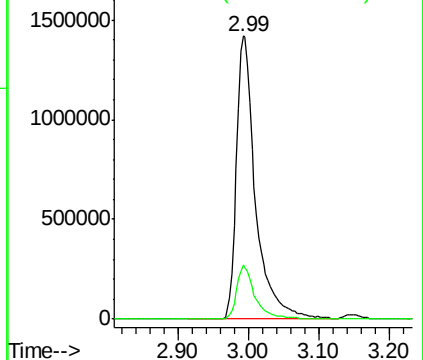
MMDadoda

4/2/2021 6:54:18 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.944 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036623.D

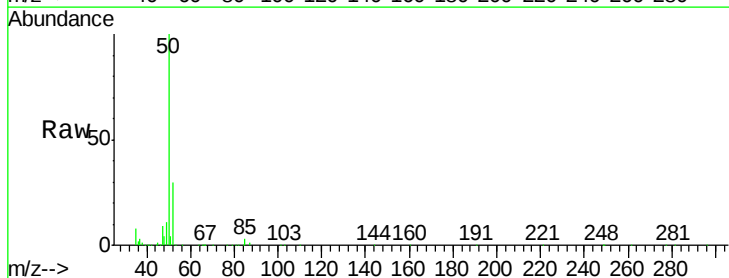
Acq: 1 Apr 2021 5:25

Tgt Ion: 50 Resp: 902121

Ion Ratio Lower Upper

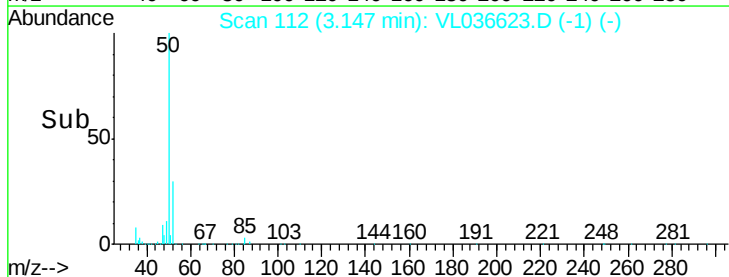
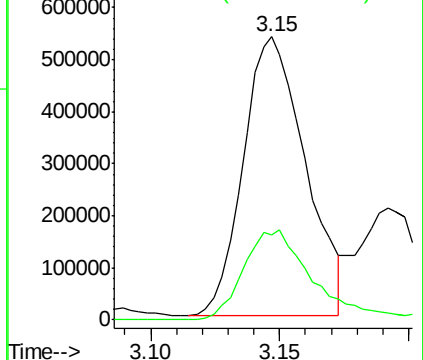
50 100

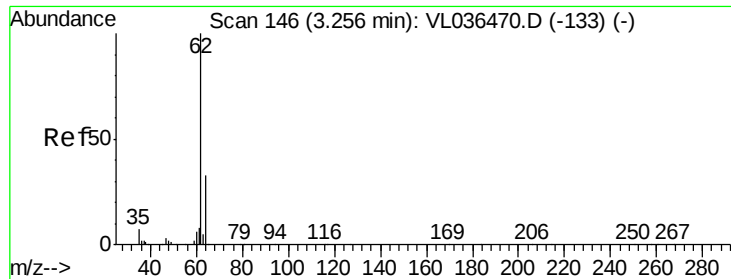
52 30.1 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.824 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 915107

Ion Ratio Lower Upper

62 100

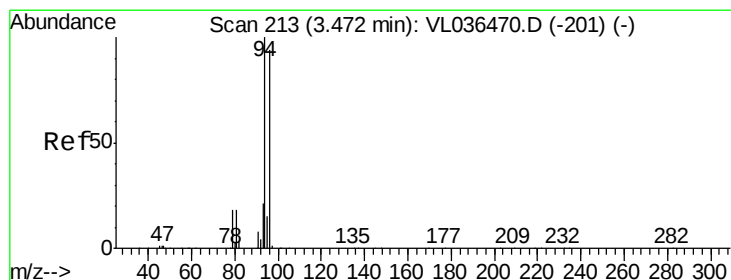
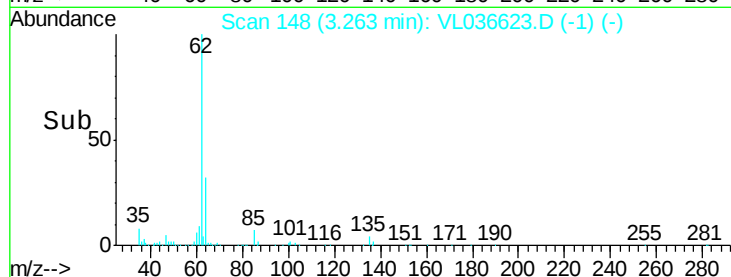
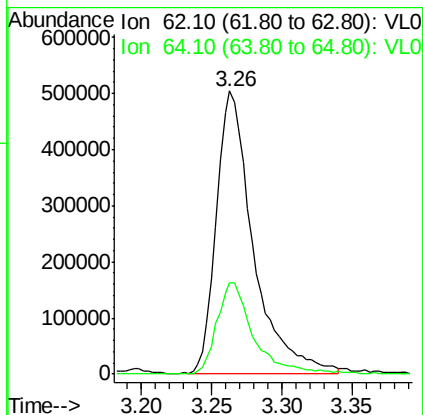
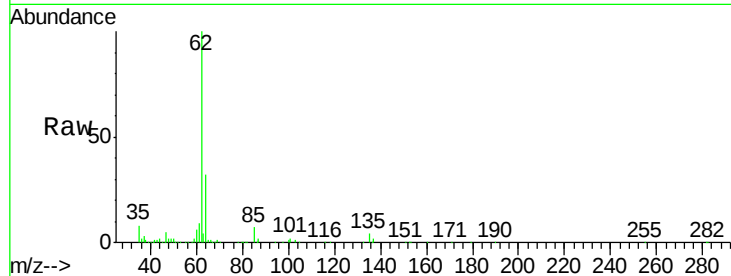
64 32.1 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

4/2/2021 6:54:18 PM



#6

Bromomethane

Concen: 8.758 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036623.D

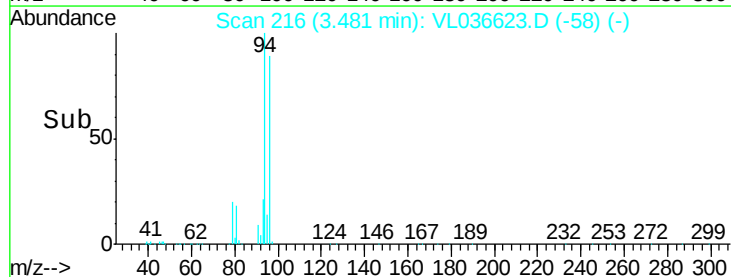
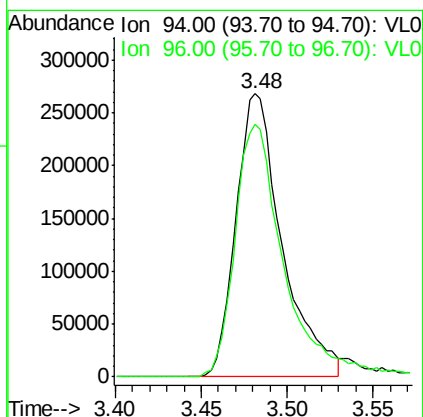
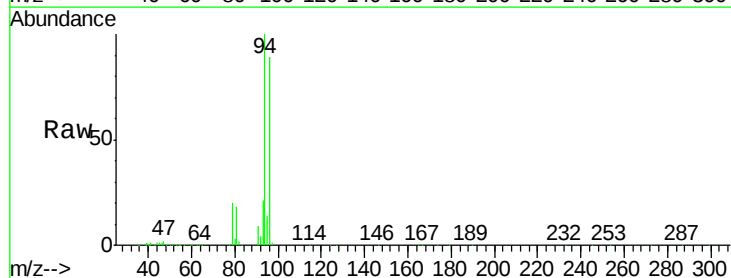
Acq: 1 Apr 2021 5:25

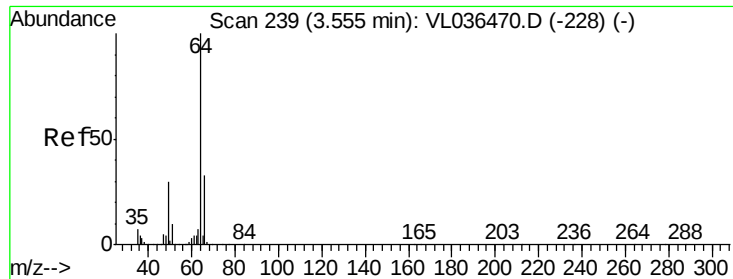
Tgt Ion: 94 Resp: 500088

Ion Ratio Lower Upper

94 100

96 89.3 74.9 112.3





#7

Chloroethane

Concen: 8.901 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 317215

Ion Ratio Lower Upper

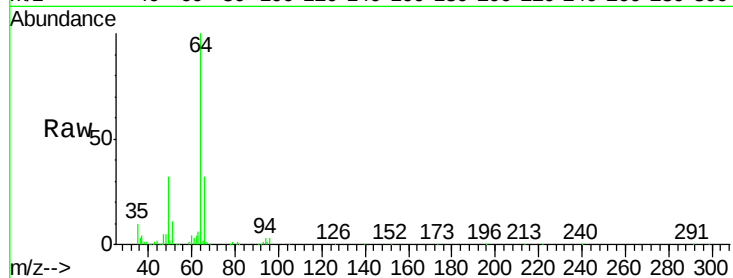
64 100

66 32.5 26.2 39.2

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:54:18 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

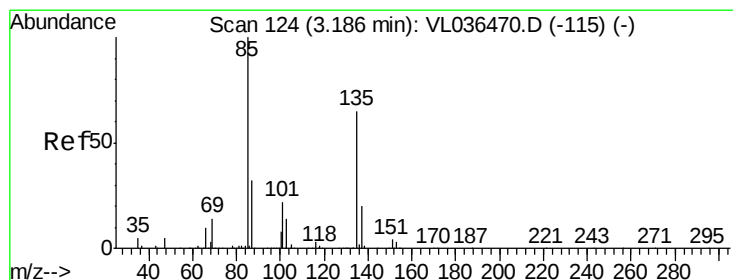
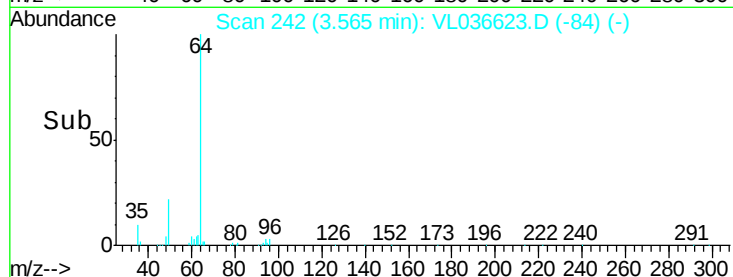
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.005 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036623.D

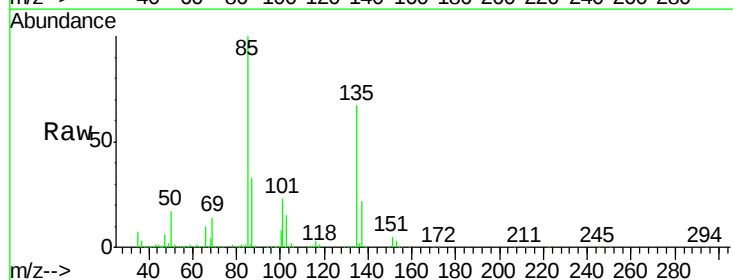
Acq: 1 Apr 2021 5:25

Tgt Ion: 85 Resp: 2142563

Ion Ratio Lower Upper

85 100

135 69.0 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

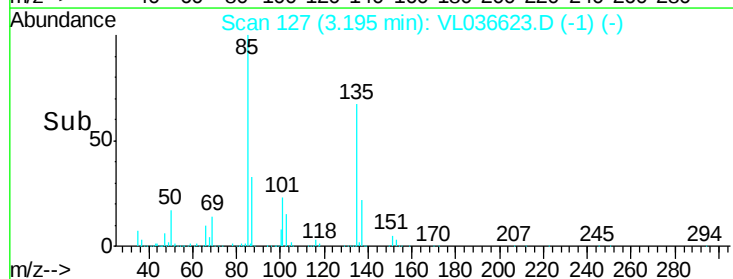
1500000

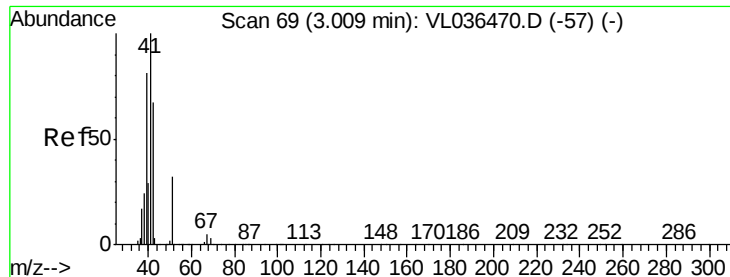
1000000

500000

0

Time-->





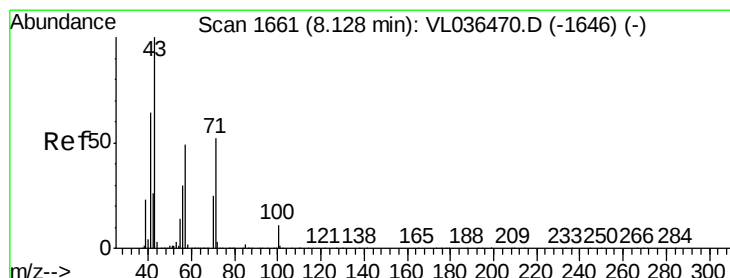
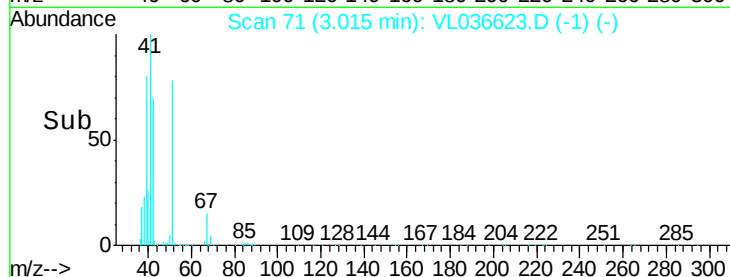
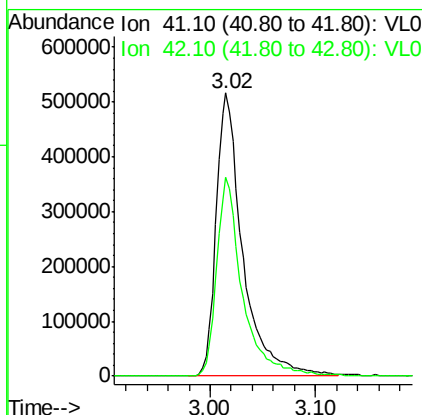
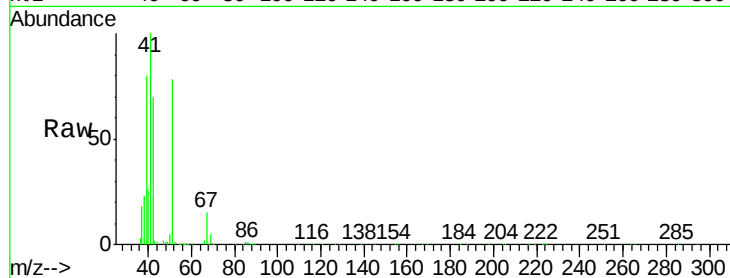
#9
 Propene
 Concen: 9.900 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 901238
 Ion Ratio Lower Upper
 41 100
 42 68.4 57.0 85.4

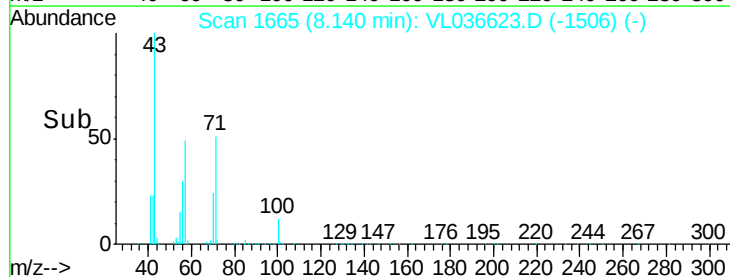
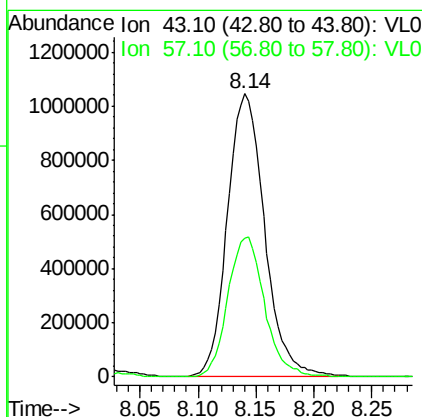
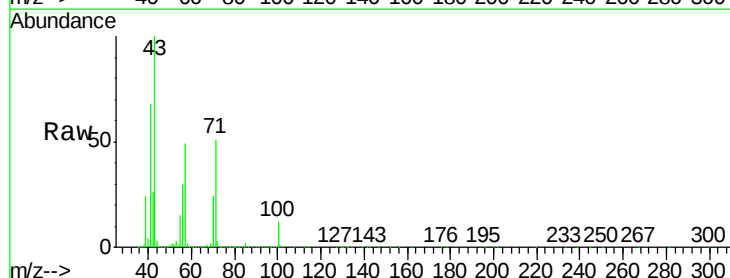
Manual Integrations
 APPROVED

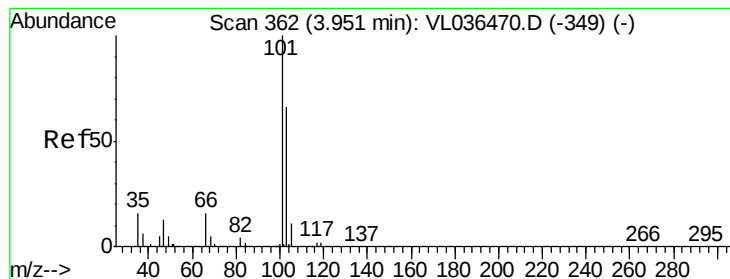
MMDadoda
 4/2/2021 6:54:18 PM



#10
 Heptane
 Concen: 10.007 ppbv
 RT: 8.14 min Scan# 1665
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion: 43 Resp: 2320622
 Ion Ratio Lower Upper
 43 100
 57 49.2 39.0 58.6





#11

Trichlorofluoromethane

Concen: 8.370 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2126462

Ion Ratio Lower Upper

101 100

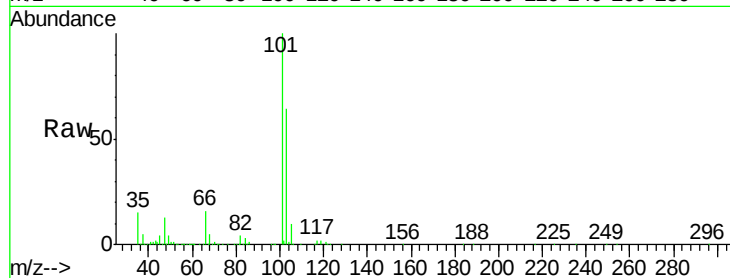
103 63.6 52.5 78.7

Manual Integrations

APPROVED

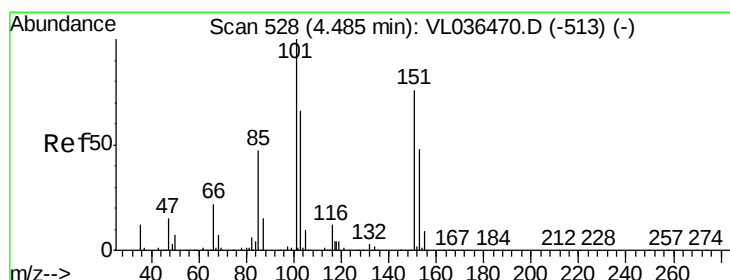
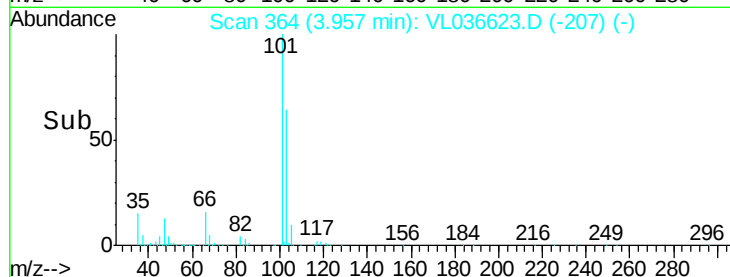
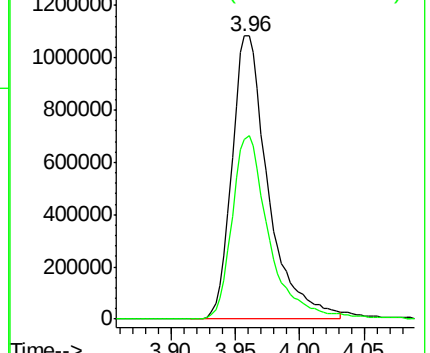
MMDadoda

4/2/2021 6:54:18 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.668 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL036623.D

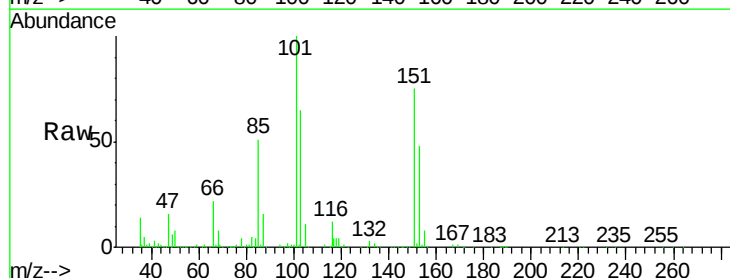
Acq: 1 Apr 2021 5:25

Tgt Ion:101 Resp: 1407922

Ion Ratio Lower Upper

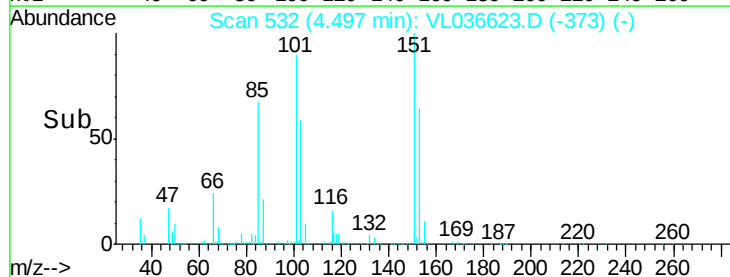
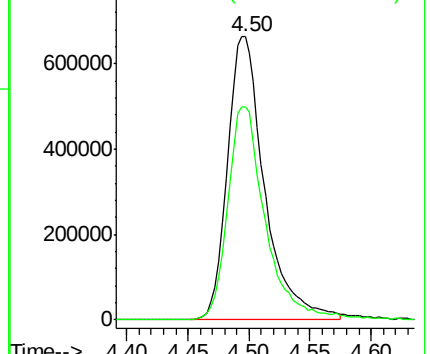
101 100

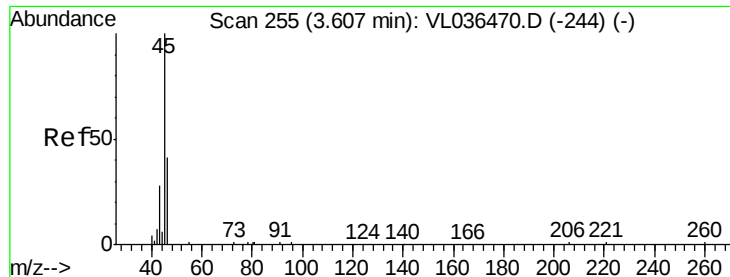
151 76.8 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.197 ppbv m

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tot Ion: 45 Resp: 88856

Ion Ratio Lower Upper

45 100

46 39.4 16.6 66.2

Instrument :

MSVOA_L

ClientSampleId :

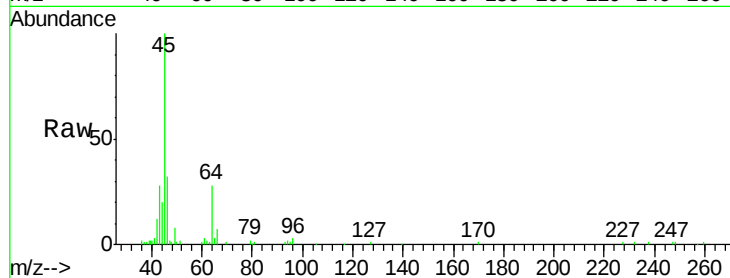
VSTDCCC010EC

Manual Integrations

APPROVED

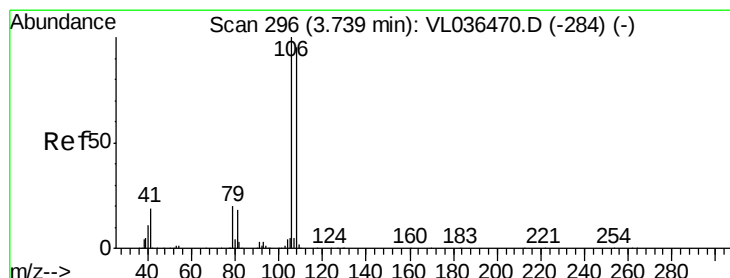
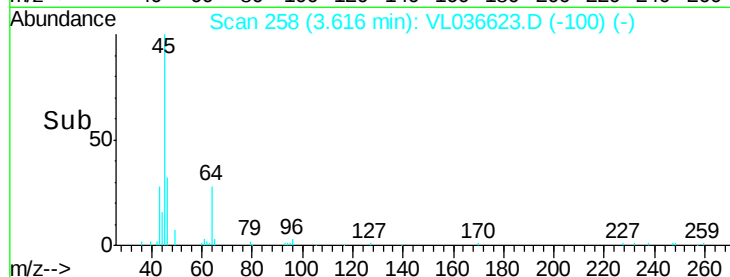
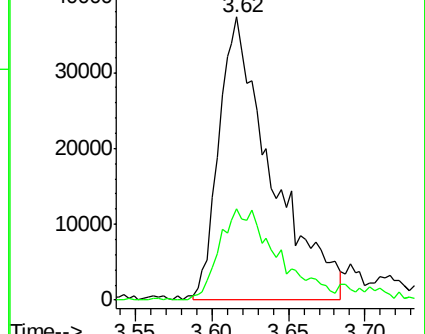
MMDadoda

4/2/2021 6:54:18 PM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.023 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

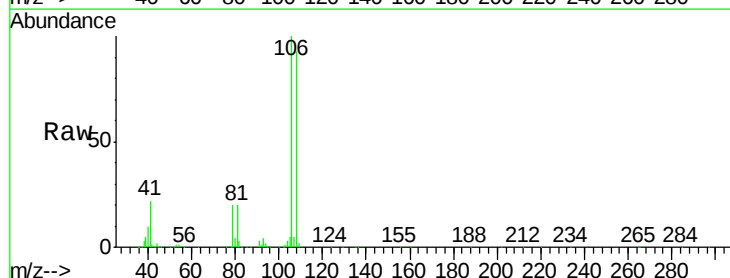
Tgt Ion: 108 Resp: 609296

Ion Ratio Lower Upper

108 100

106 110.3 89.0 133.6

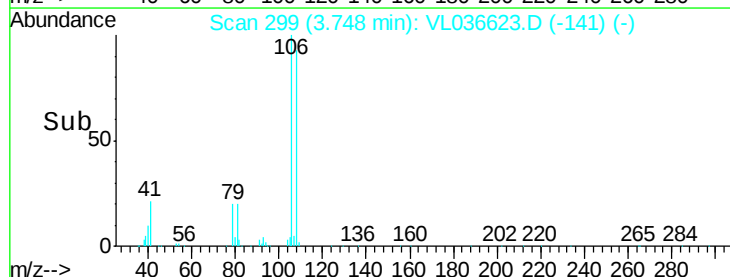
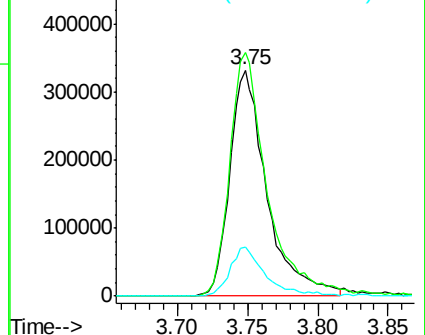
79 21.2 16.6 25.0

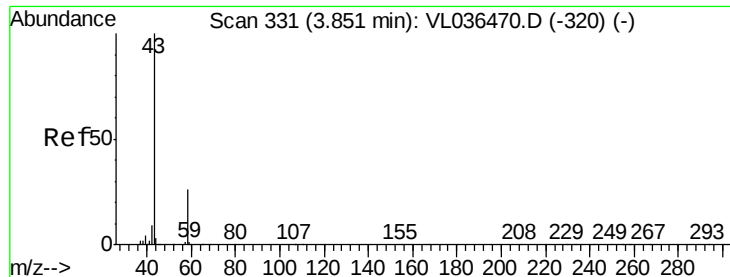


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 7.963 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tot Ion: 43 Resp: 1197802

Ion Ratio Lower Upper

43 100

58 27.0 21.2 31.8

Instrument :

MSVOA_L

ClientSampleId :

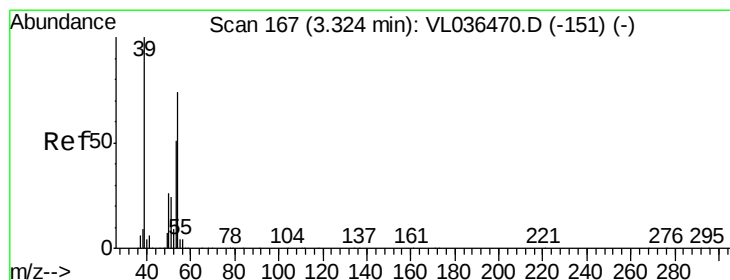
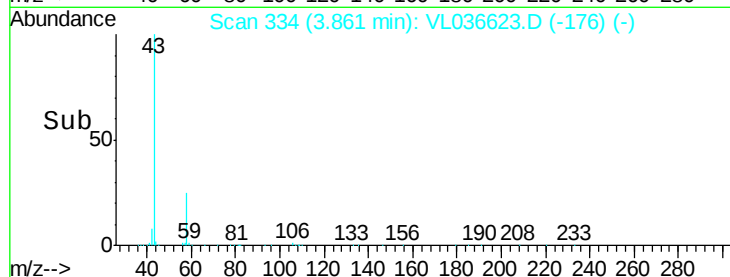
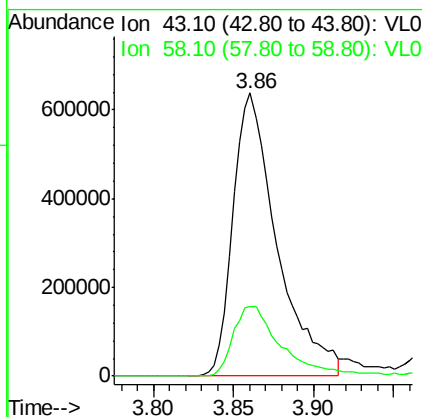
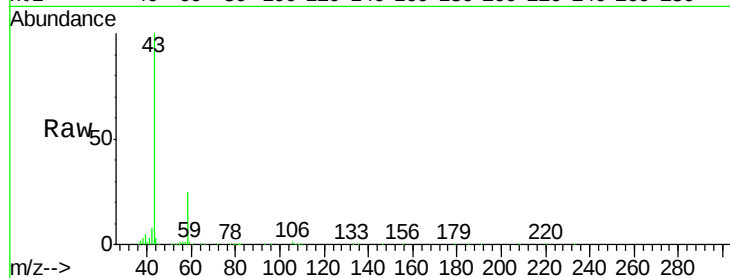
VSTDCCC010EC

Manual Integrations

APPROVED

MMDadoda

4/2/2021 6:54:18 PM



#16

1,3-Butadiene

Concen: 8.962 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL036623.D

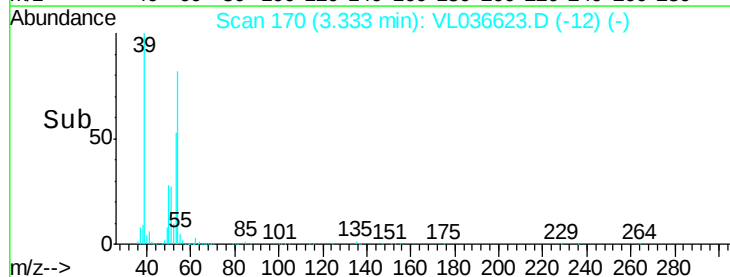
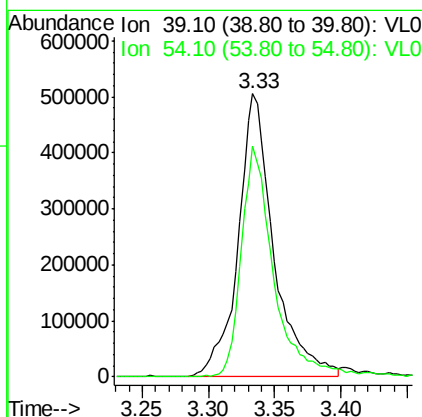
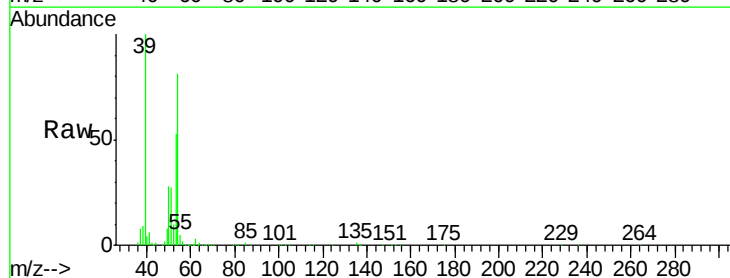
Acq: 1 Apr 2021 5:25

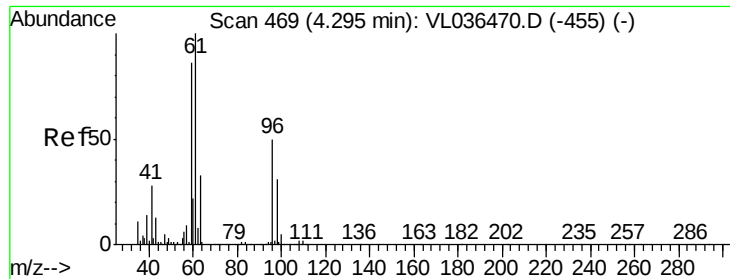
Tgt Ion: 39 Resp: 938541

Ion Ratio Lower Upper

39 100

54 75.6 58.8 88.2





#17

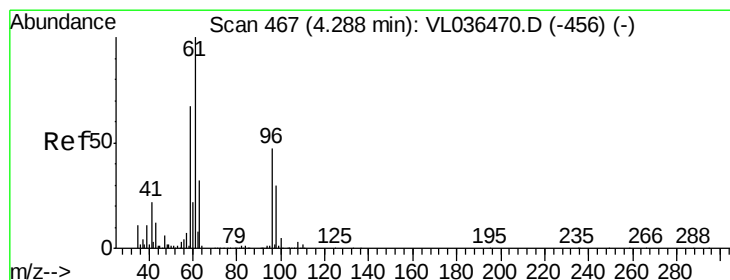
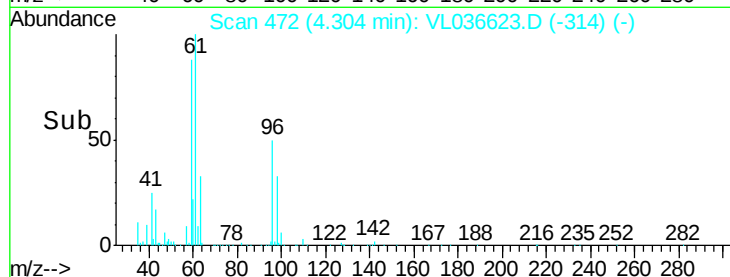
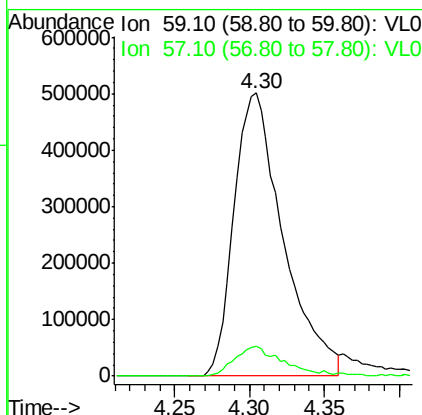
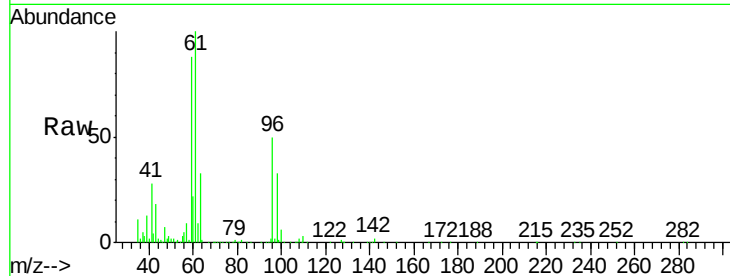
tert-Butyl alcohol
Concen: 8.734 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1143669
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8

Manual Integrations
APPROVED

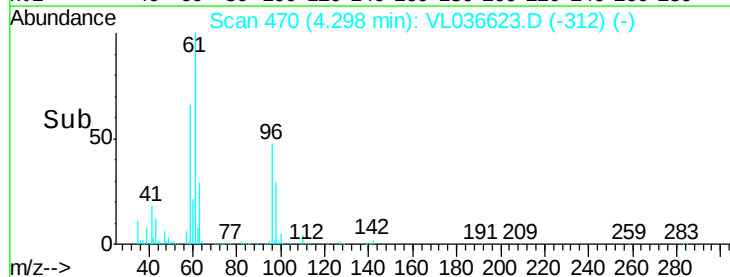
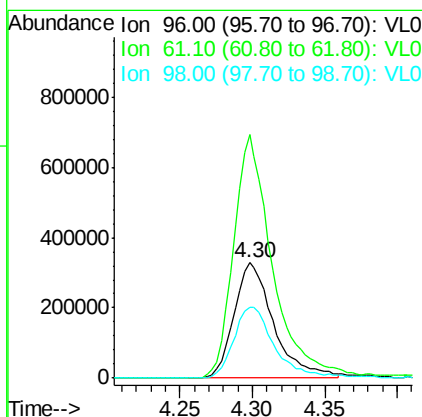
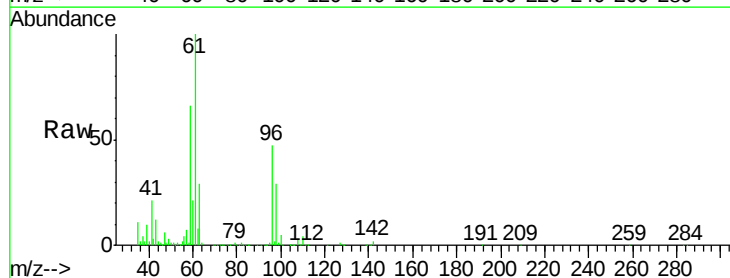
MMDadoda
4/2/2021 6:54:18 PM

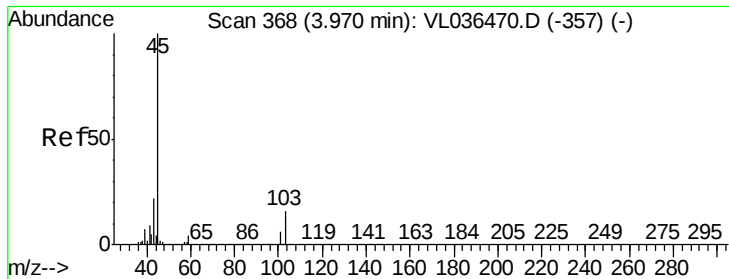


#18

1,1-Dichloroethene
Concen: 8.598 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 96 Resp: 621155
Ion Ratio Lower Upper
96 100
61 211.1 168.6 253.0
98 61.8 50.8 76.2





#19

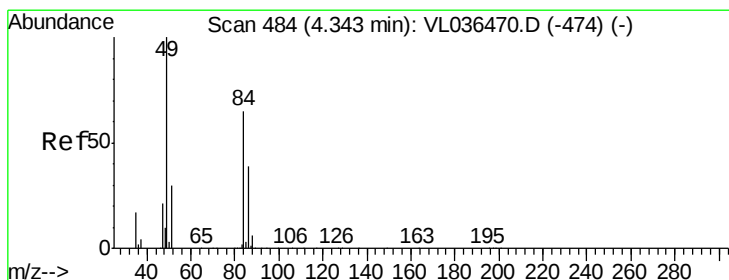
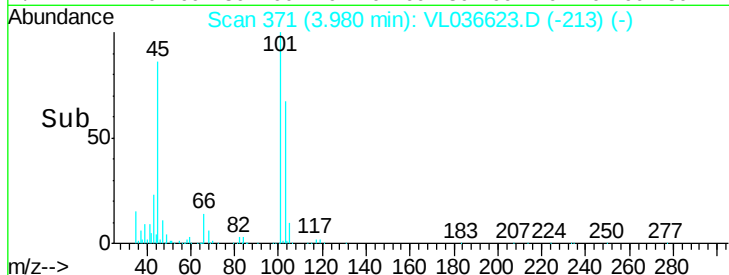
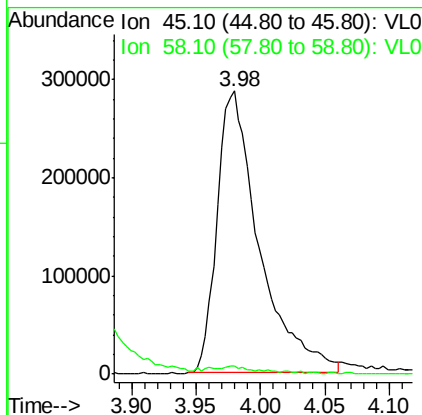
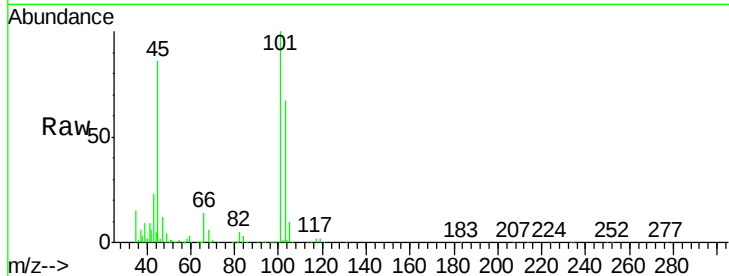
Isopropyl Alcohol
 Concen: 7.891 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.0	2.9	4.3

Manual Integrations
 APPROVED

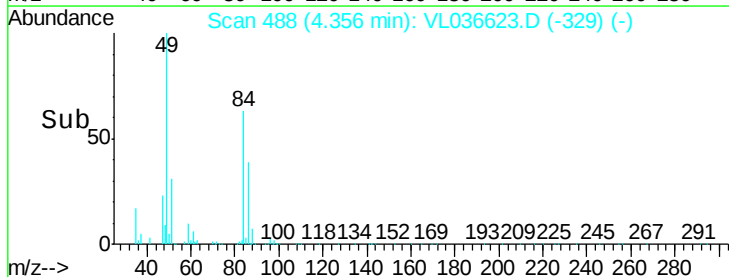
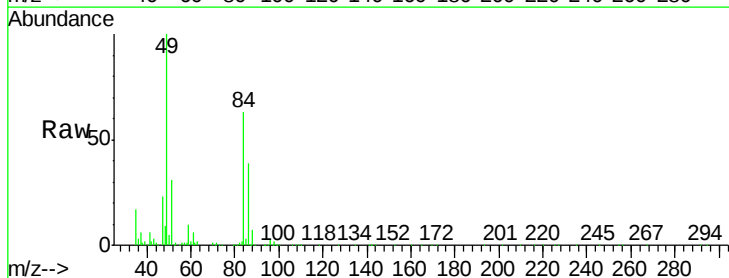
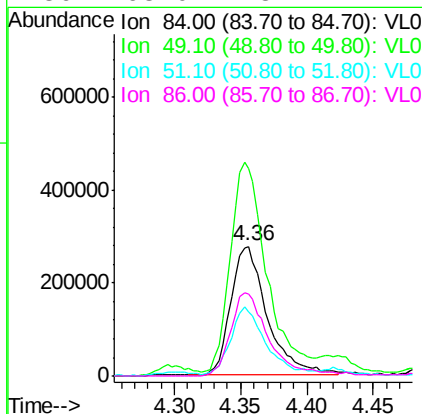
MMDadoda
 4/2/2021 6:54:18 PM



#20

Methylene Chloride
 Concen: 7.534 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.9	122.9	184.3
51	47.6	36.9	55.3
86	63.0	48.2	72.4





#21

Allvl Chloride

Concen: 8.979 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

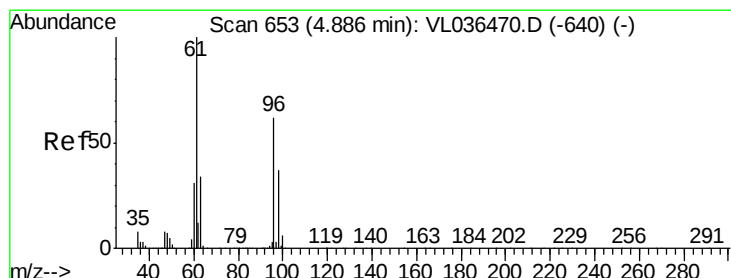
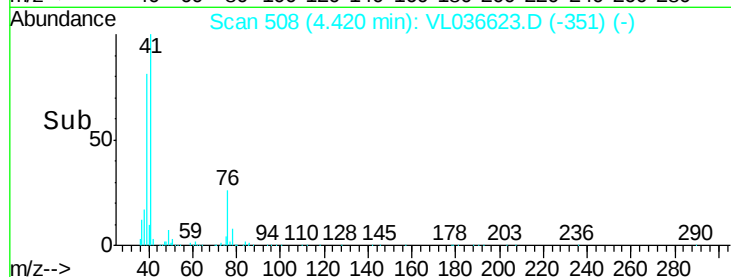
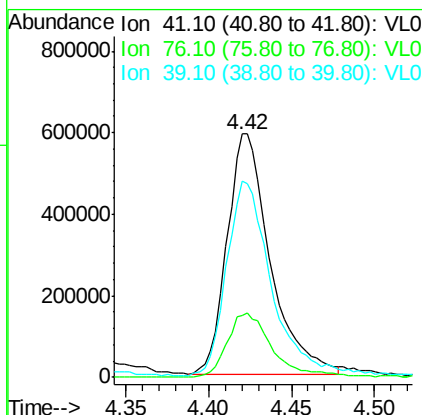
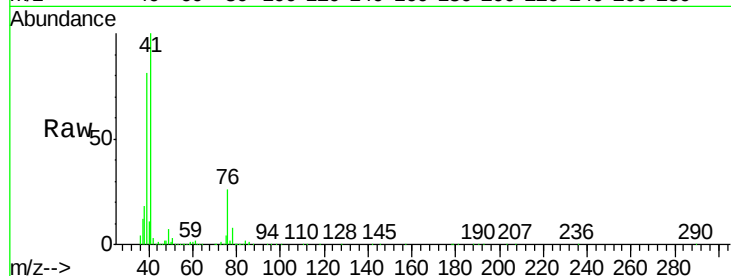
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	1076727
Ion	Ratio	Lower	Upper
41	100		
76	27.8	22.9	34.3
39	87.9	67.3	100.9

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:54:18 PM



#22

trans-1,2-Dichloroethene

Concen: 8.956 ppbv

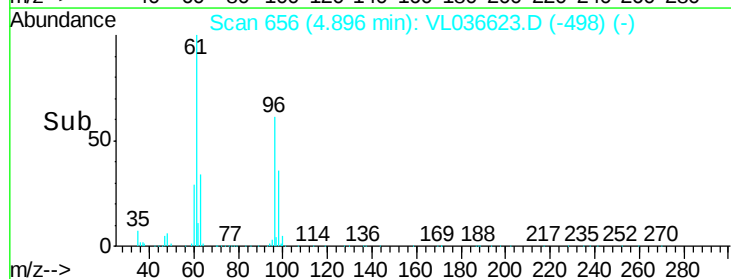
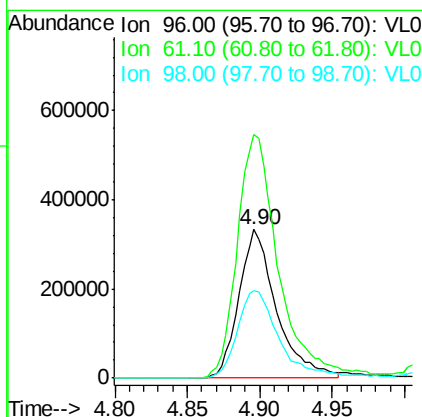
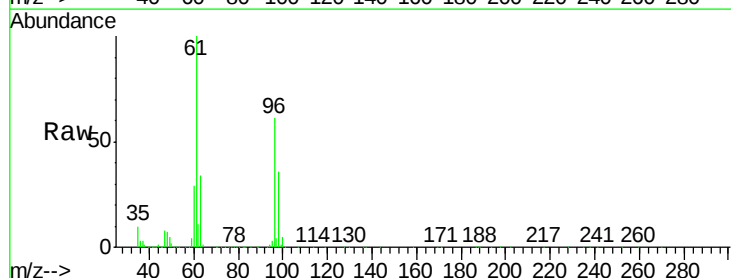
RT: 4.90 min Scan# 656

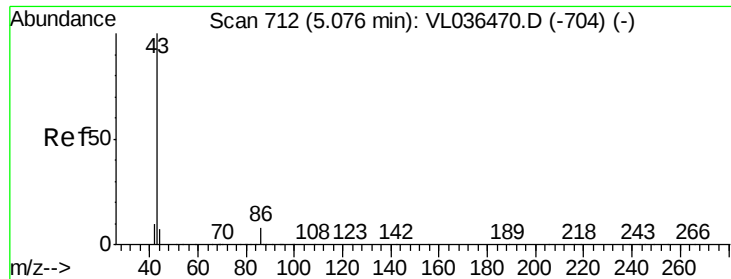
Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tgt Ion:	96	Resp:	599862
Ion	Ratio	Lower	Upper
96	100		
61	163.7	129.4	194.0
98	58.9	48.2	72.4





#23

Vinyl Acetate

Concen: 9.758 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2510966

Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.0

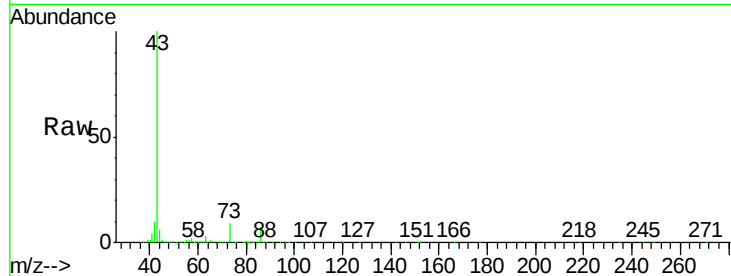
42 10.0 8.5 12.7

44 5.1 4.6 7.0

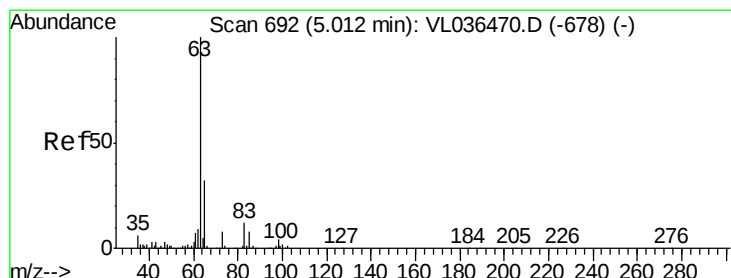
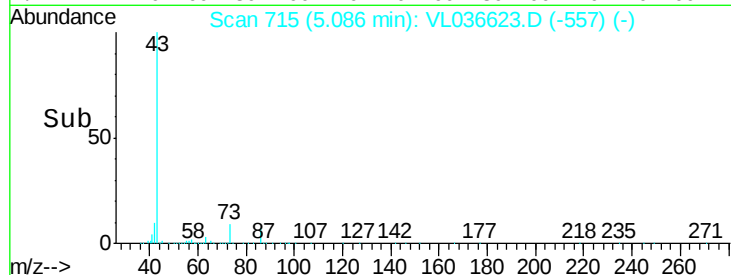
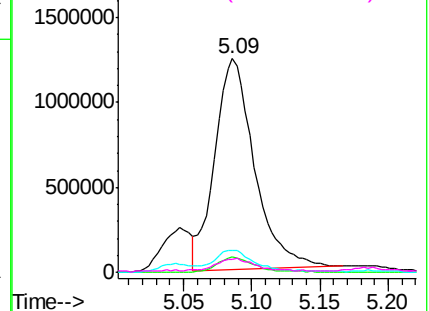
Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:54:18 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.343 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

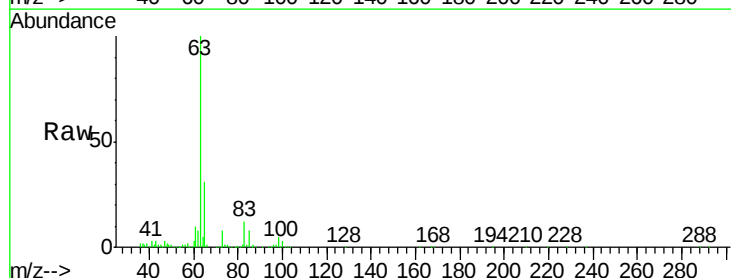
Tgt Ion: 63 Resp: 1752225

Ion Ratio Lower Upper

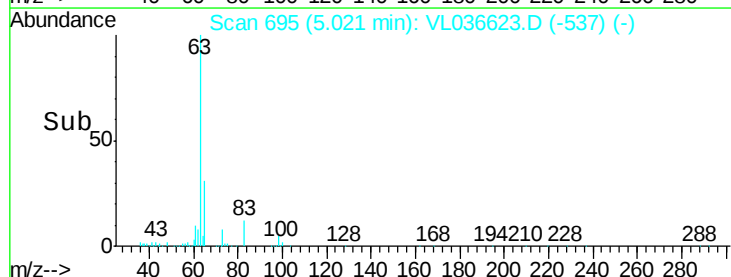
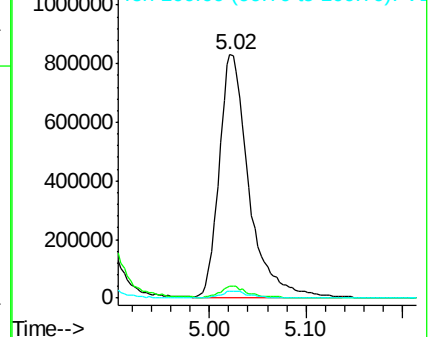
63 100

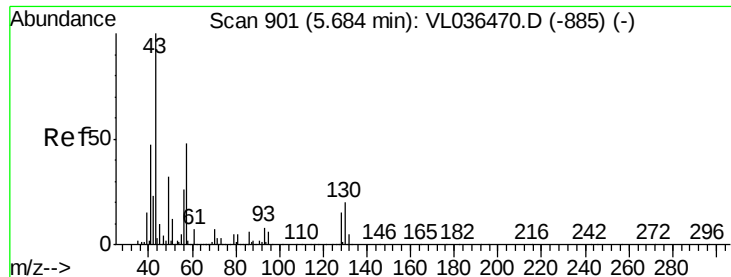
98 4.6 2.1 6.2

100 2.6 0.9 2.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





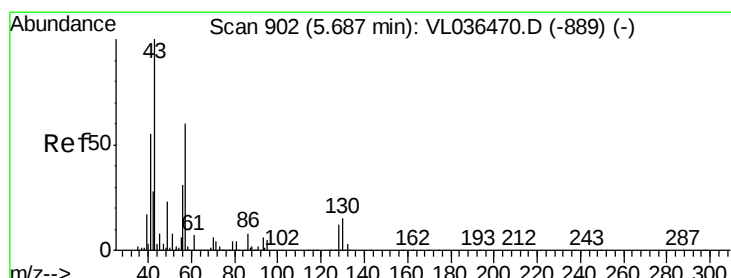
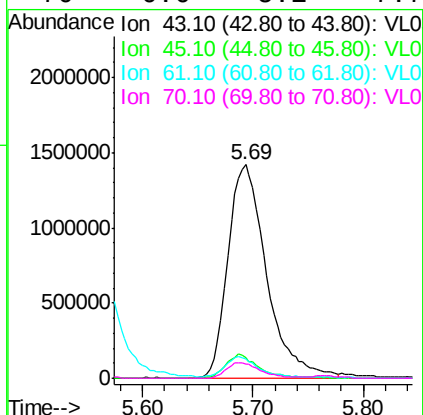
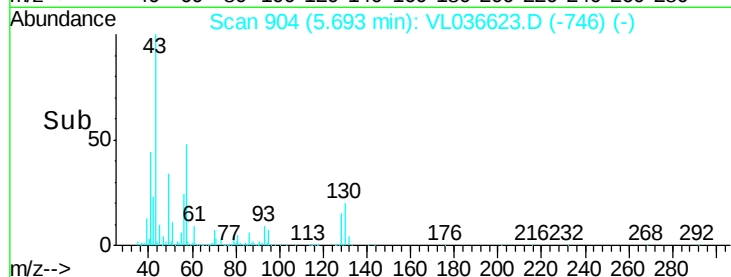
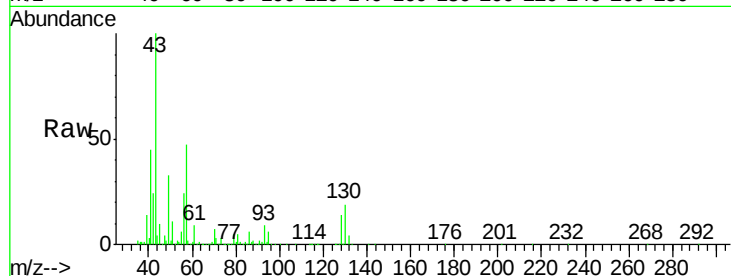
#25
Ethyl Acetate
Concen: 9.614 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.2	7.4	11.2
70	6.6	5.1	7.7

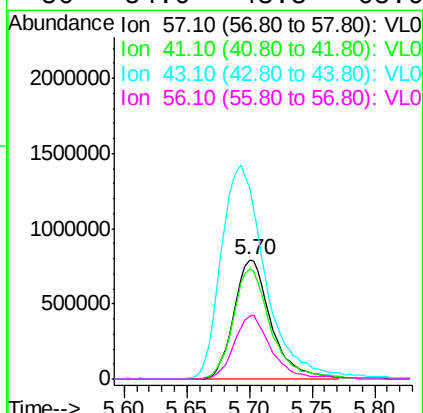
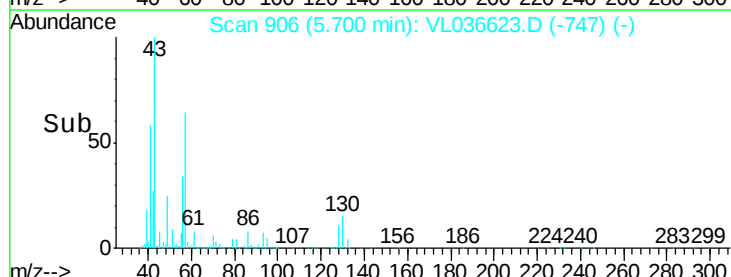
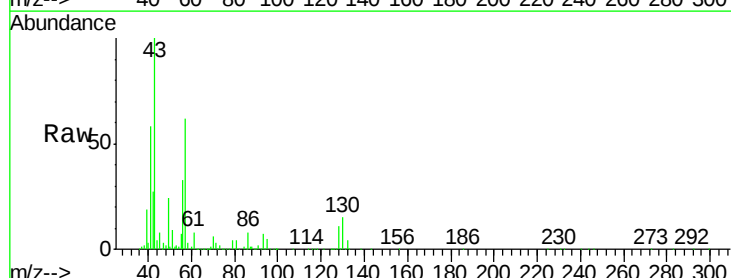
Manual Integrations
APPROVED

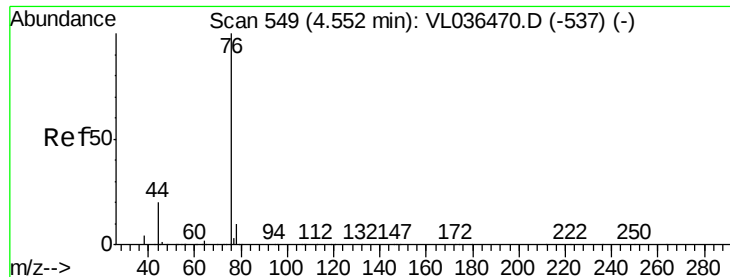
MMDadoda
4/2/2021 6:54:18 PM



#26
Hexane
Concen: 9.842 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.4	77.2	115.8
43	215.0	173.8	260.6
56	54.0	43.8	65.6





#27

Carbon Disulfide

Concen: 9.525 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1557207

Ion Ratio Lower Upper

76 100

44 20.7 17.5 26.3

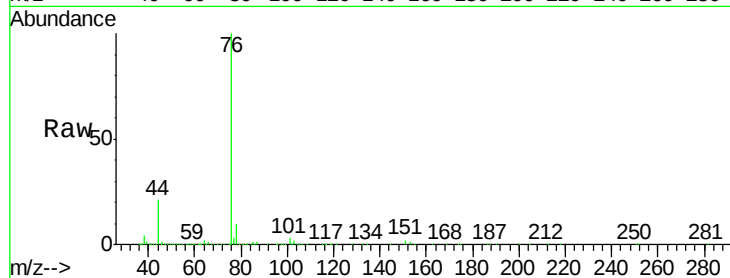
78 9.9 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

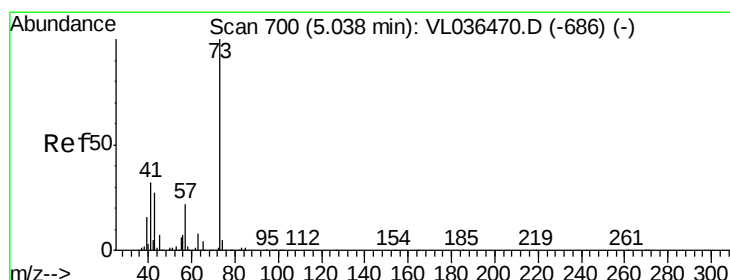
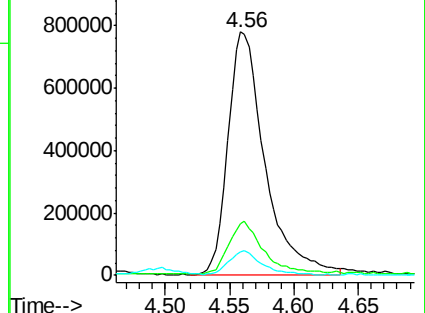
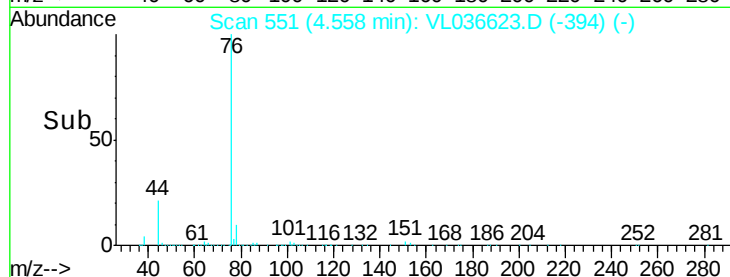
4/2/2021 6:54:18 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.866 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.01 min

Lab File: VL036623.D

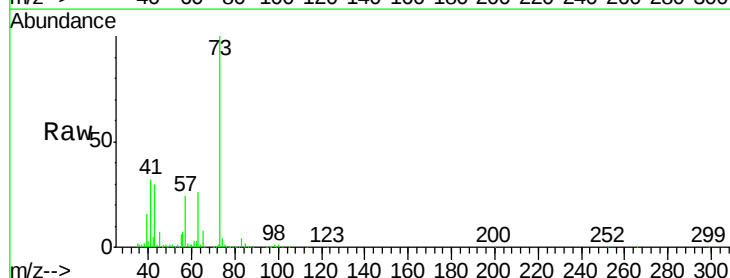
Acq: 1 Apr 2021 5:25

Tgt Ion: 73 Resp: 1931018

Ion Ratio Lower Upper

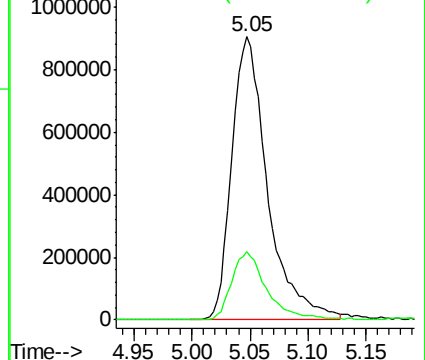
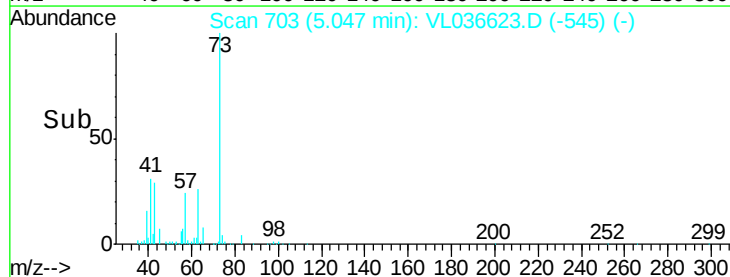
73 100

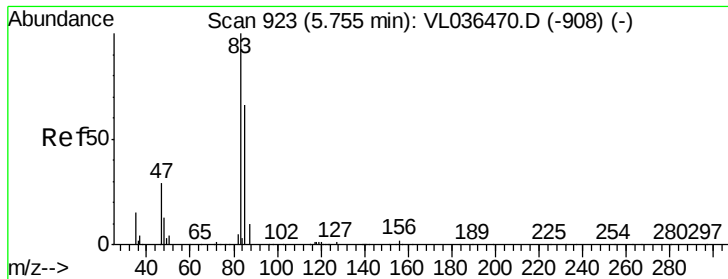
57 23.9 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





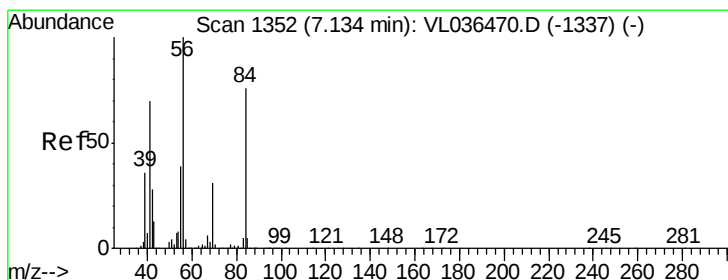
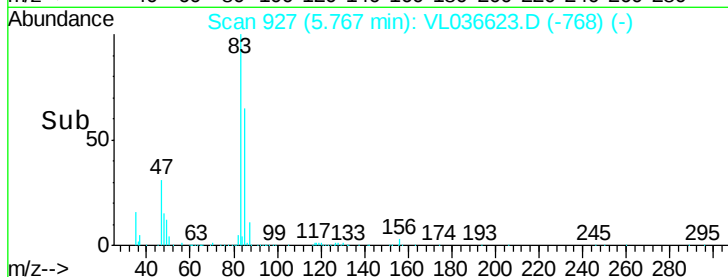
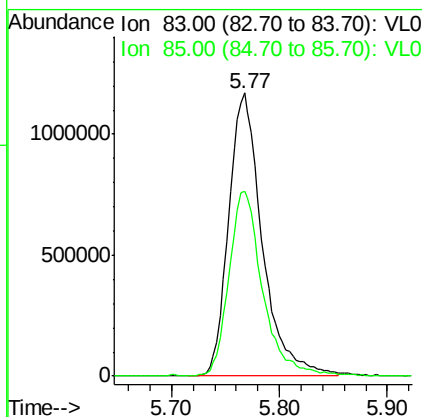
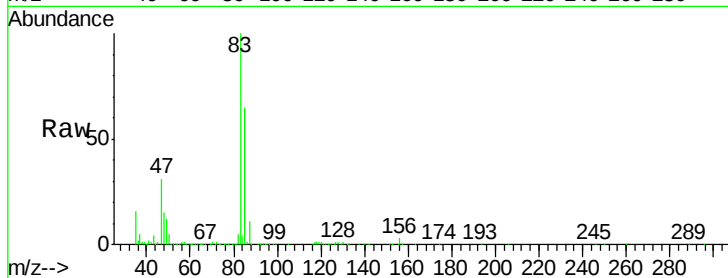
#29
Chloroform
Concen: 9.579 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2542445
Ion Ratio Lower Upper
83 100
85 65.1 52.6 78.8

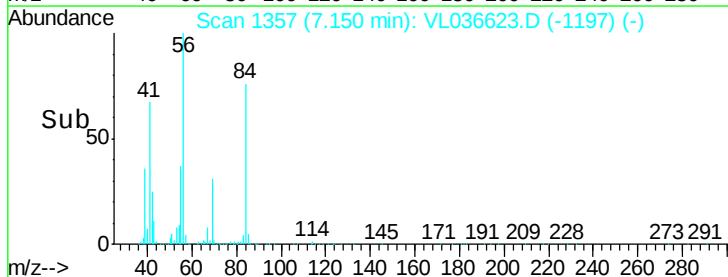
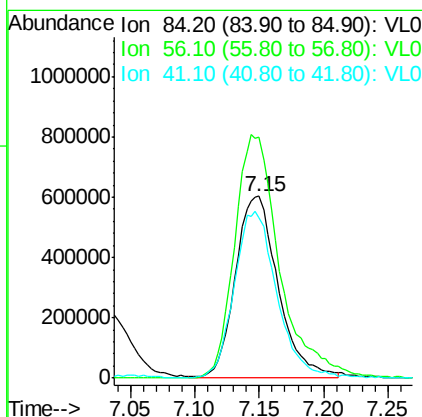
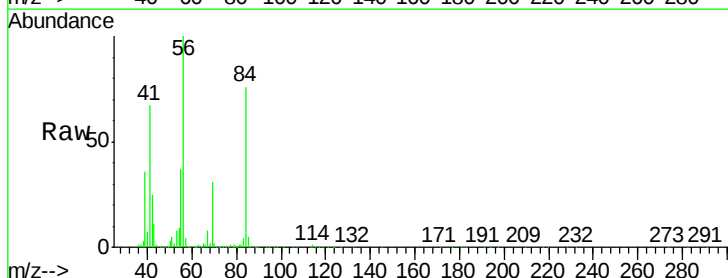
Manual Integrations
APPROVED

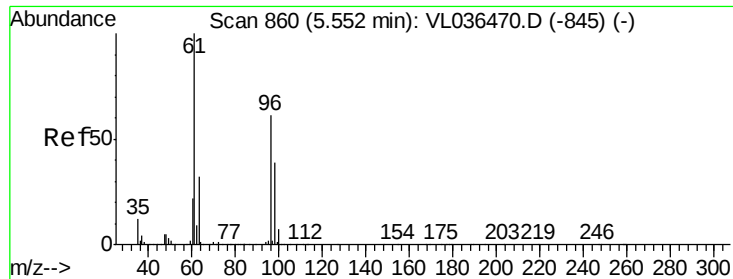
MMDadoda
4/2/2021 6:54:18 PM



#30
Cyclohexane
Concen: 10.319 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 84 Resp: 1388944
Ion Ratio Lower Upper
84 100
56 142.2 114.6 171.8
41 91.2 75.3 112.9





#31

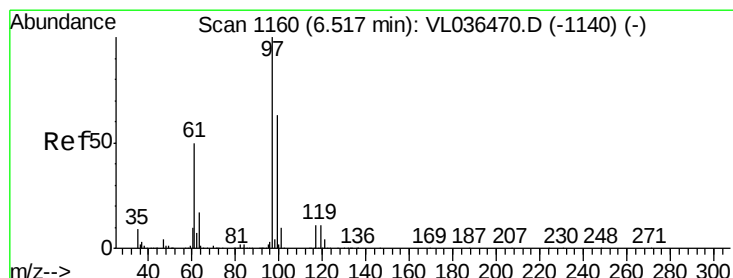
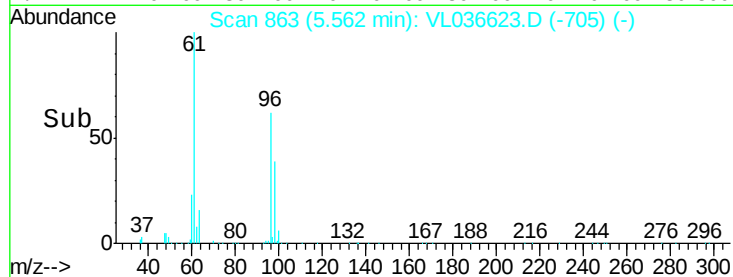
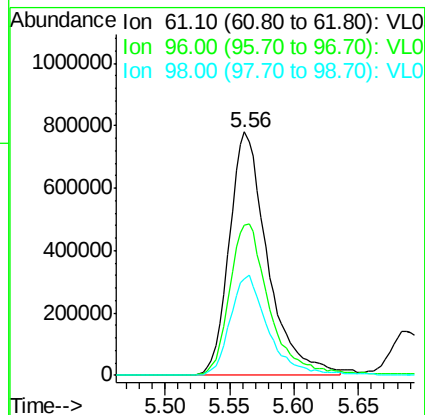
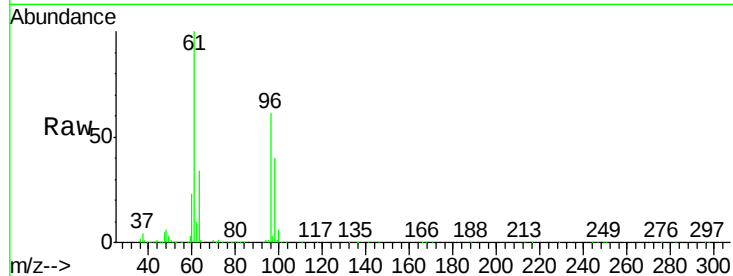
cis-1,2-Dichloroethene
Concen: 9.967 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.4	48.7	73.1
98	39.8	31.4	47.0

Manual Integrations
APPROVED

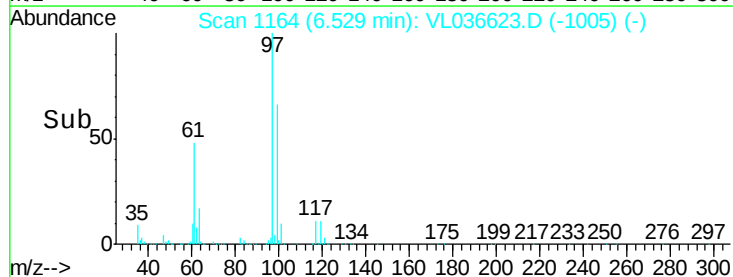
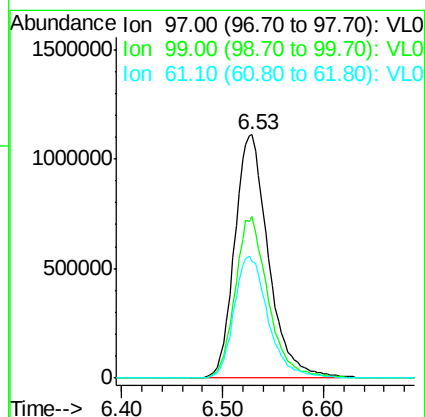
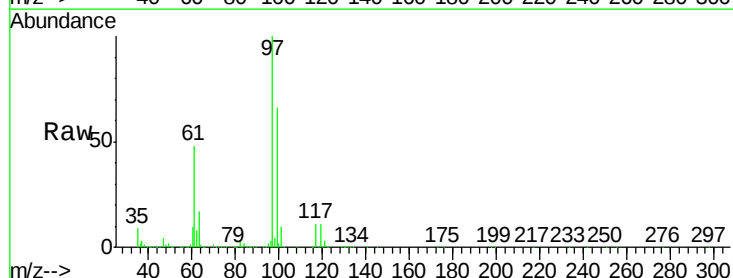
MMDadoda
4/2/2021 6:54:18 PM

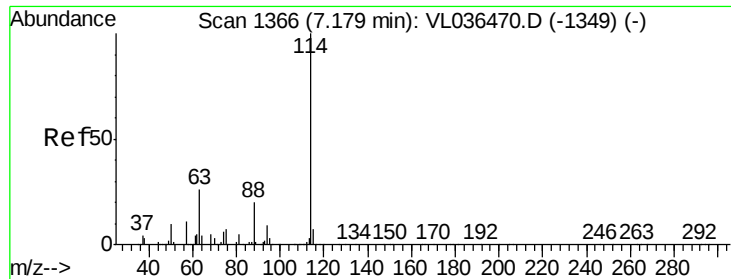


#32

1,1,1-Trichloroethane
Concen: 9.671 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	50.5	40.6	60.8





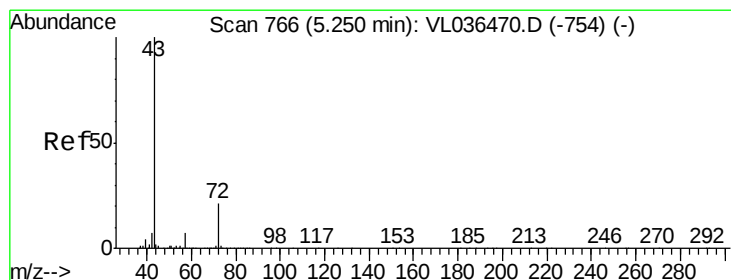
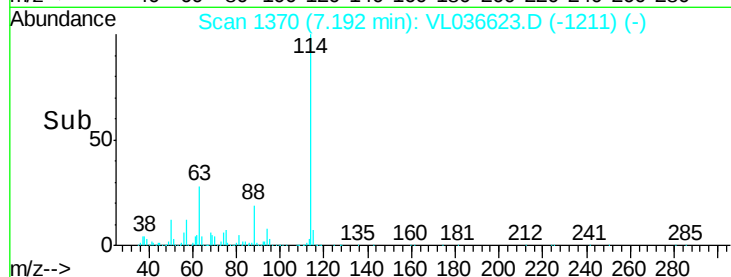
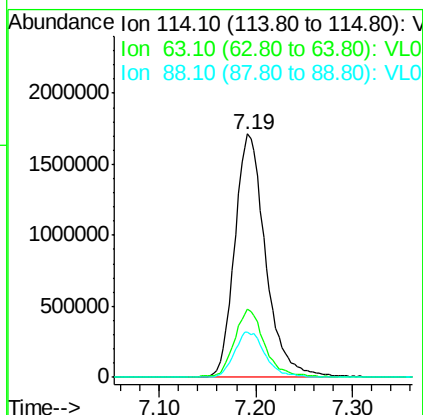
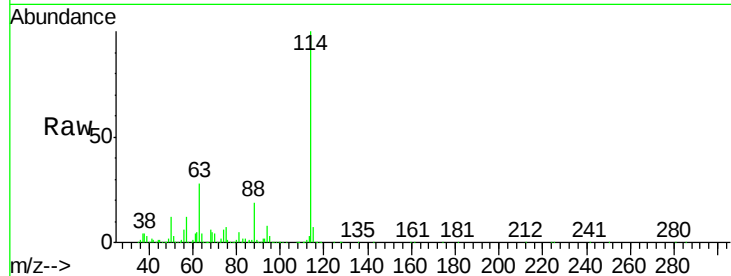
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.4	33.6
88	19.0	15.4	23.0

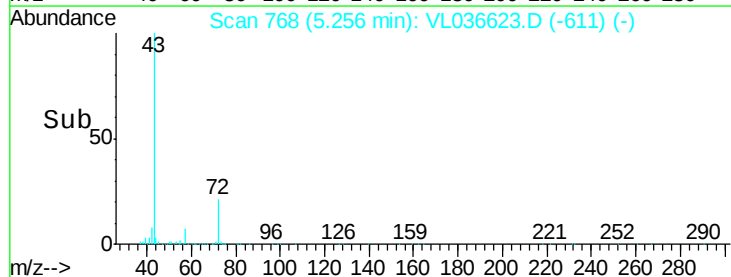
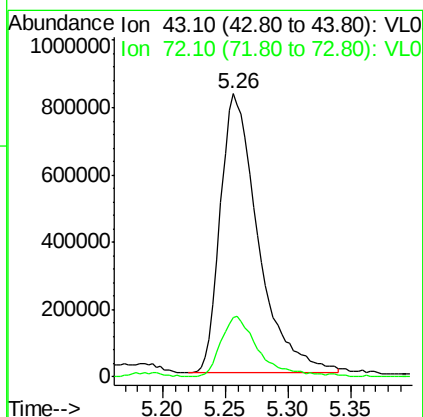
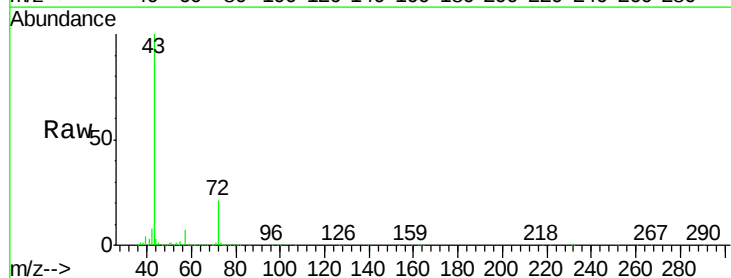
Manual Integrations
 APPROVED

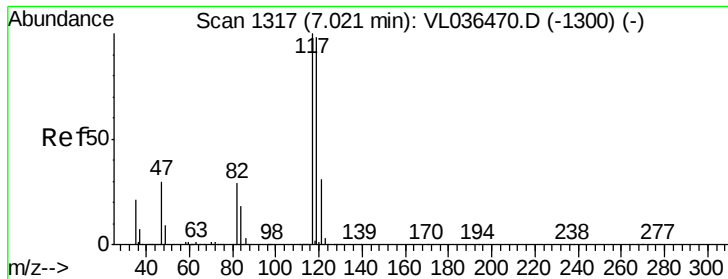
MMDadoda
 4/2/2021 6:54:18 PM



#34
 2-Butanone
 Concen: 9.451 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.0	25.6





#35

Carbon Tetrachloride

Concen: 9.194 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2679690

Ion Ratio Lower Upper

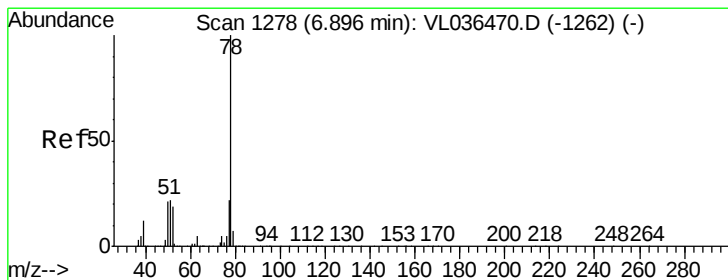
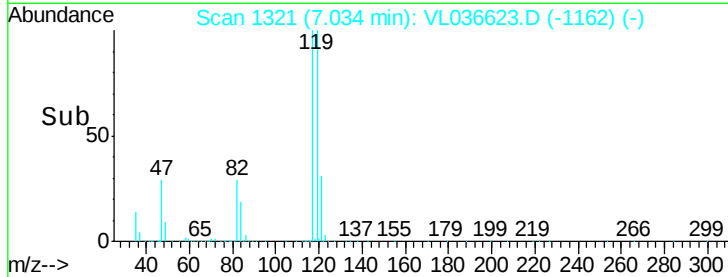
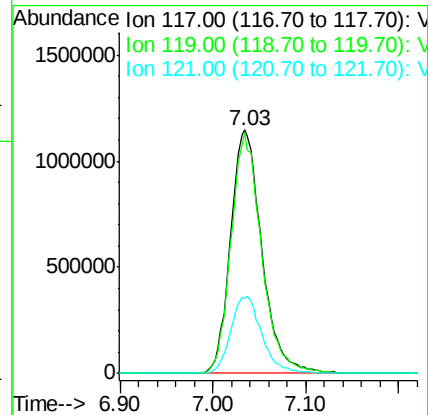
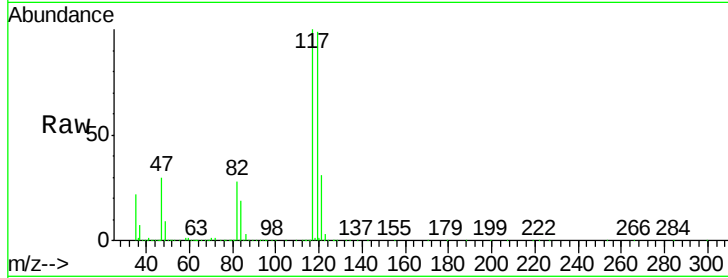
117 100

119 98.8 78.2 117.2

121 30.8 24.5 36.7

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:54:18 PM



#36

Benzene

Concen: 9.591 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

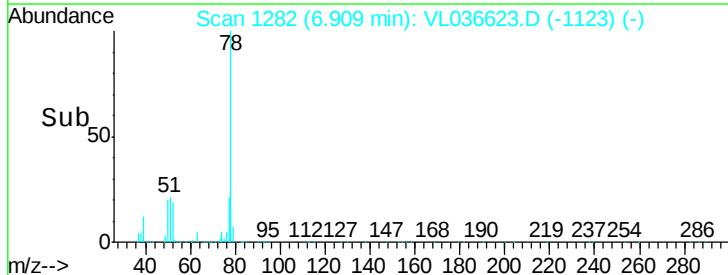
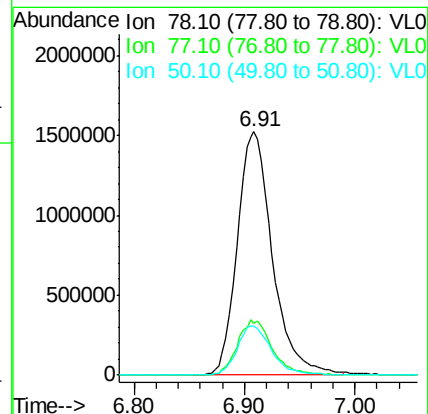
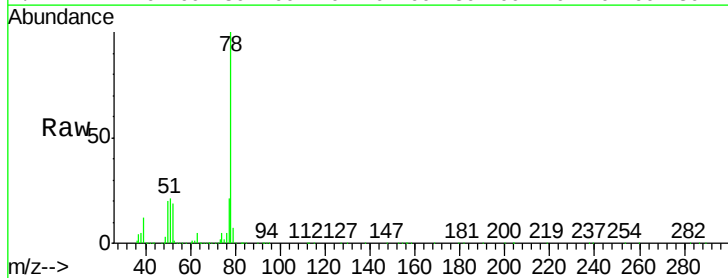
Tgt Ion: 78 Resp: 3356481

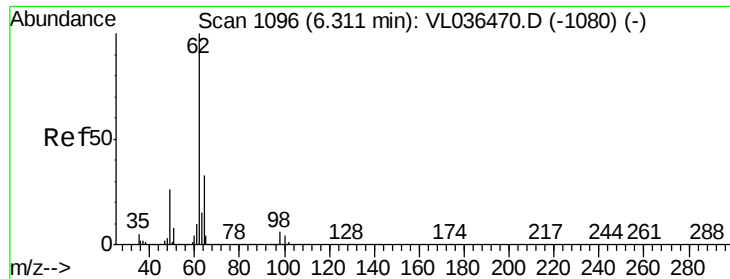
Ion Ratio Lower Upper

78 100

77 21.3 18.0 27.0

50 20.0 16.5 24.7





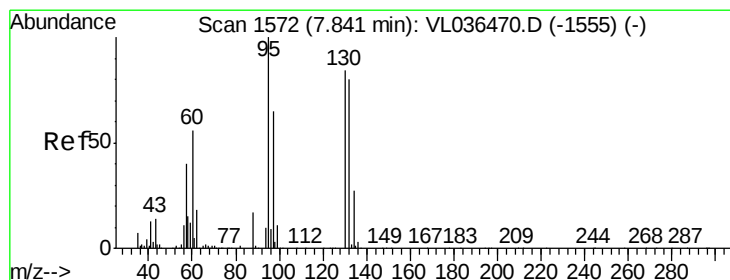
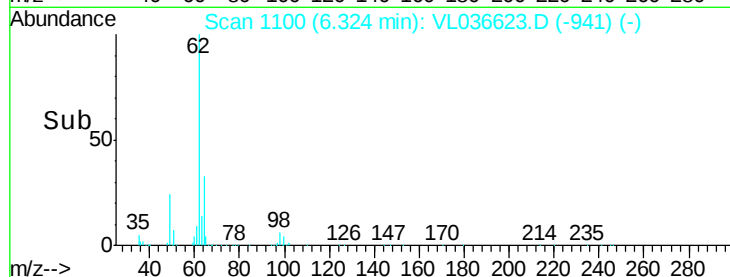
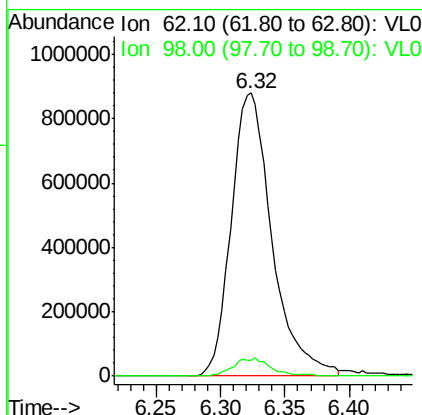
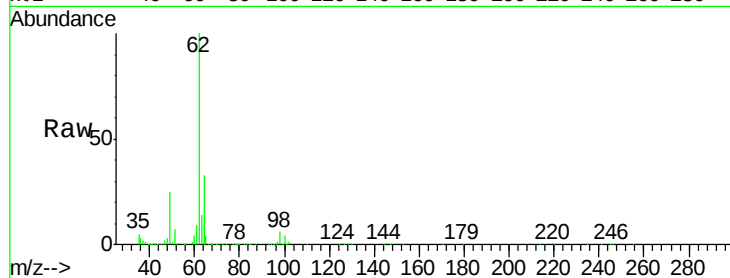
#37
 1,2-Dichloroethane
 Concen: 9.391 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.9	7.3

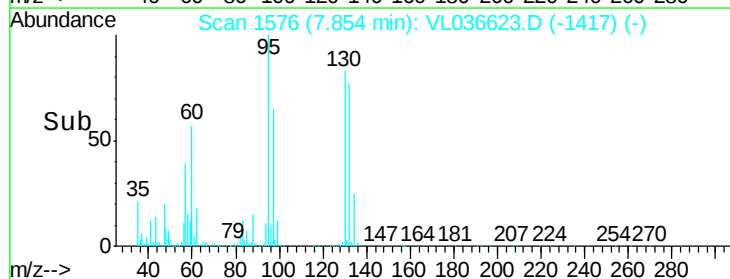
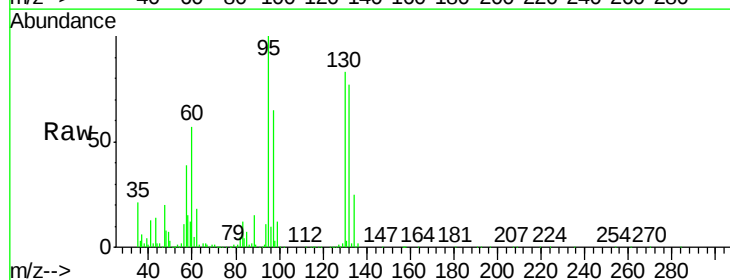
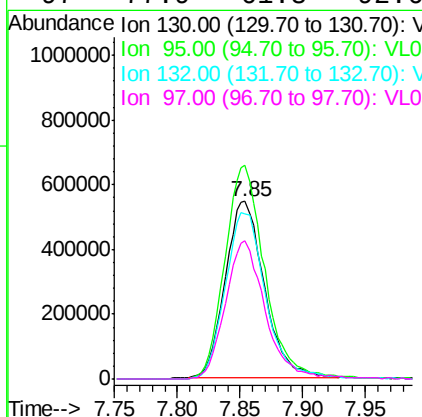
Manual Integrations
 APPROVED

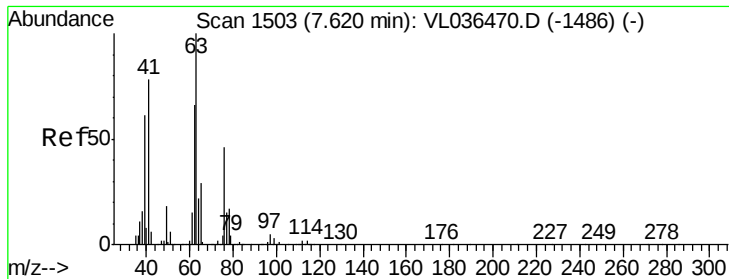
MMDadoda
 4/2/2021 6:54:18 PM



#38
 Trichloroethene
 Concen: 8.639 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.9	95.7	143.5
132	93.3	76.2	114.4
97	77.9	61.8	92.6





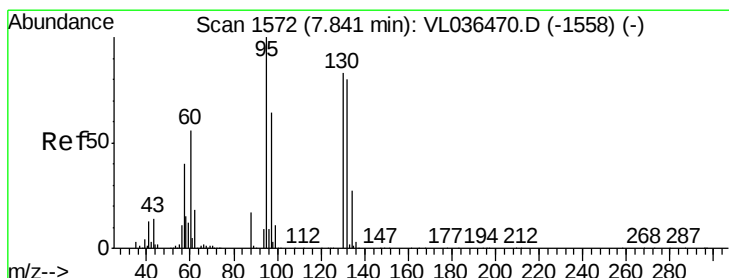
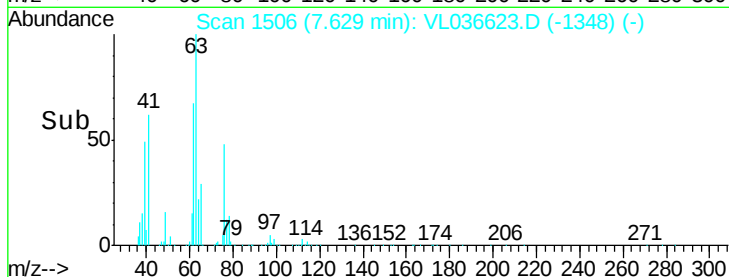
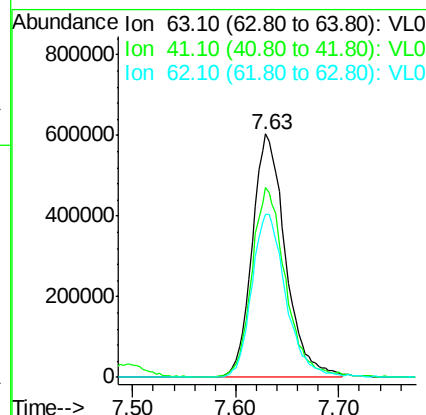
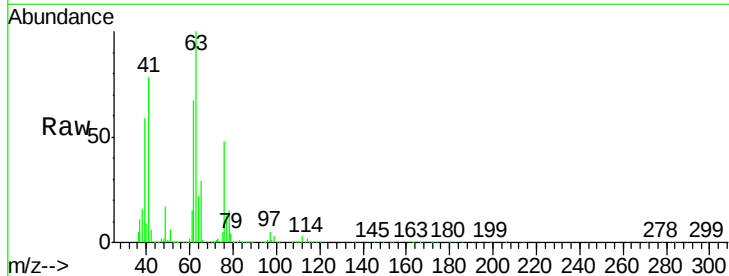
#39
 1,2-Dichloropropane
 Concen: 9.489 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.7	62.4	93.6
62	66.7	52.8	79.2

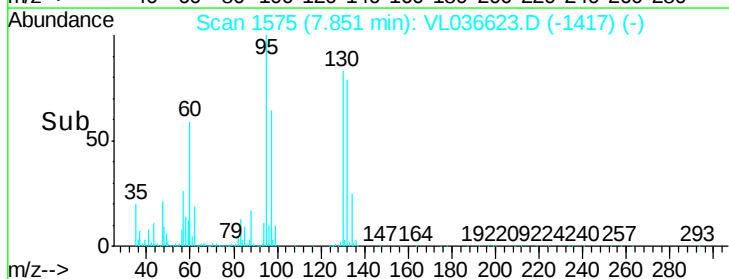
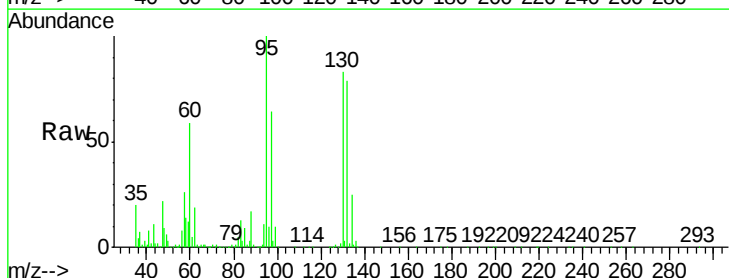
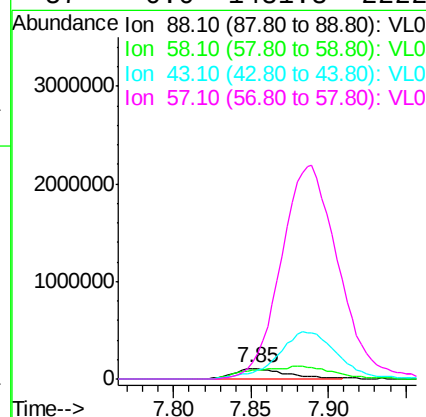
Manual Integrations
 APPROVED

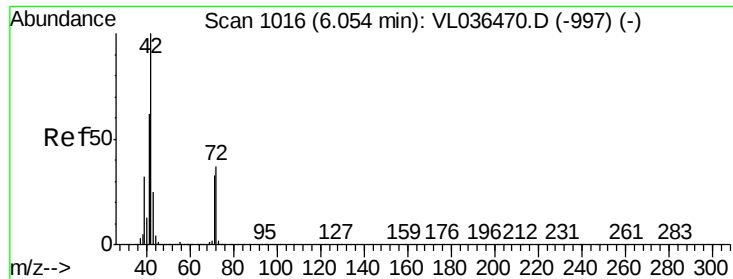
MMDadoda
 4/2/2021 6:54:18 PM



#40
 1,4-Dioxane
 Concen: 7.768 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





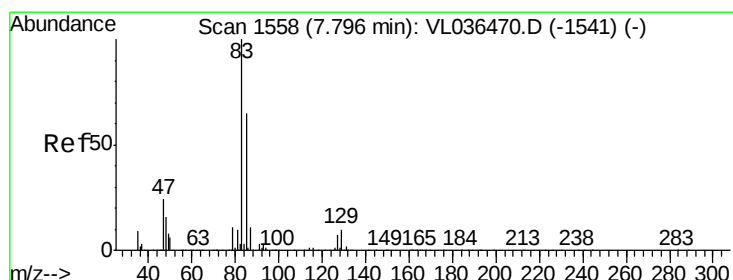
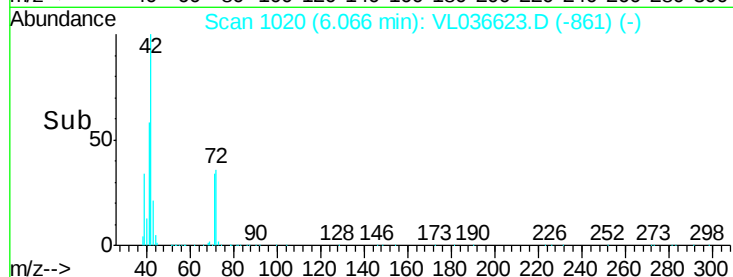
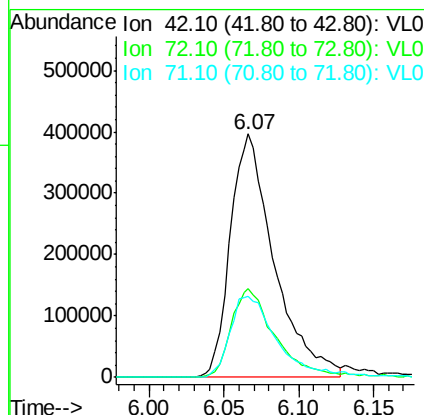
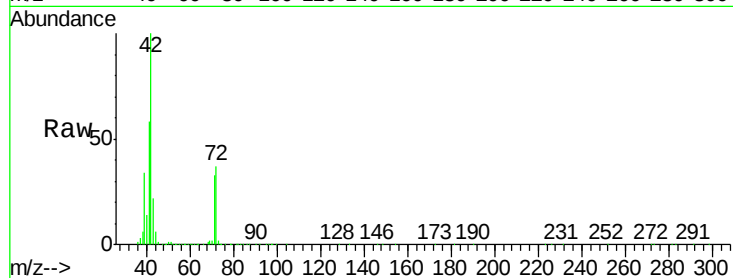
#41
Tetrahydrofuran
Concen: 9.433 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:	42	Resp:	805617
Ion Ratio		Lower	Upper
42	100		
72	37.6	27.6	41.4
71	36.7	27.0	40.4

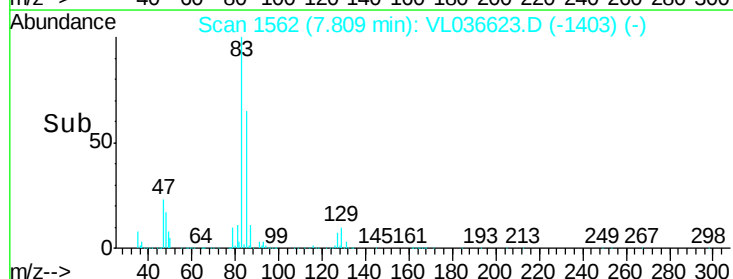
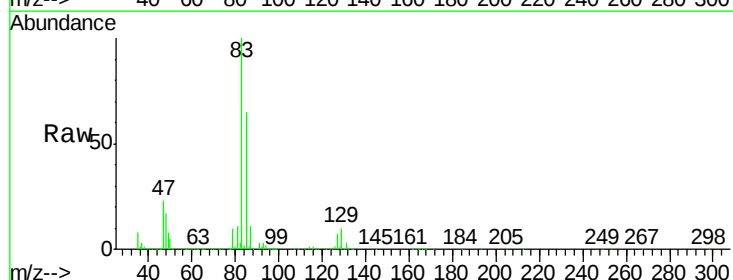
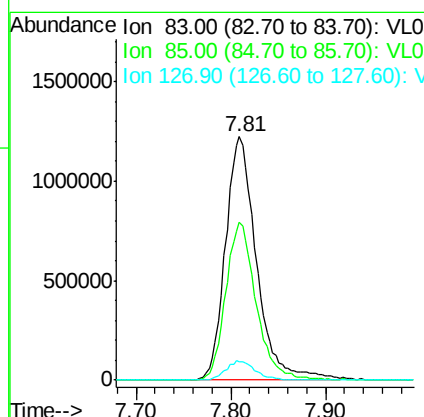
Manual Integrations
APPROVED

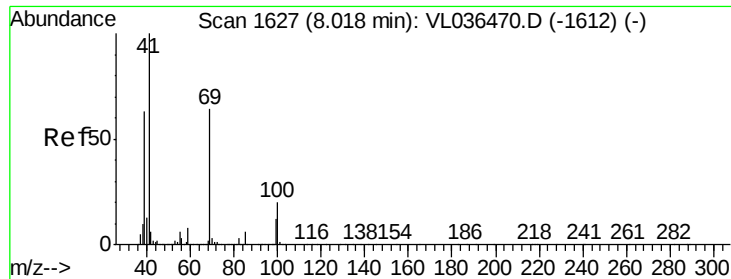
MMDadoda
4/2/2021 6:54:18 PM



#42
Bromodichloromethane
Concen: 9.956 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion:	83	Resp:	2789179
Ion Ratio		Lower	Upper
83	100		
85	65.0	51.8	77.6
127	7.3	5.8	8.8





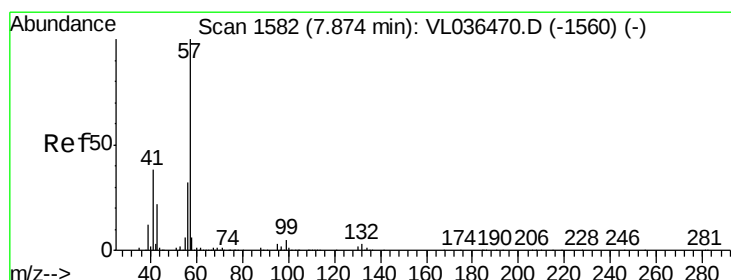
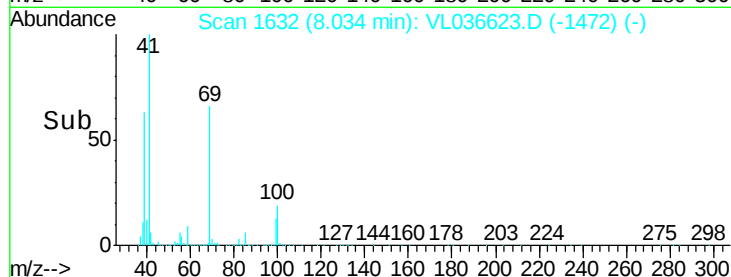
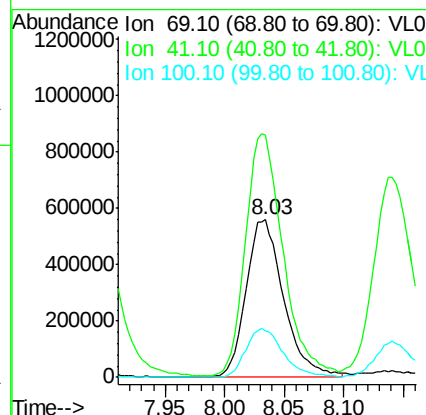
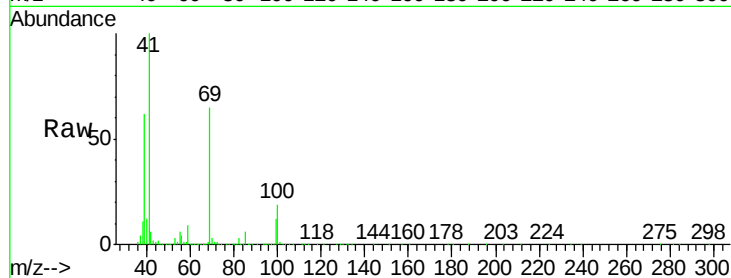
#43
Methvl Methacrylate
Concen: 10.429 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	154.0	126.8	190.2
100	30.9	24.9	37.3

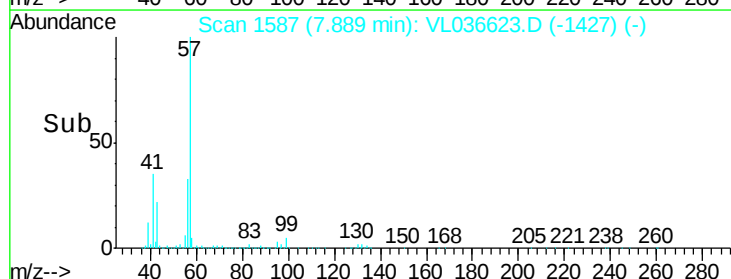
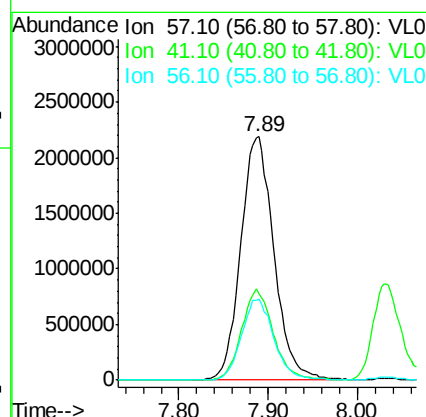
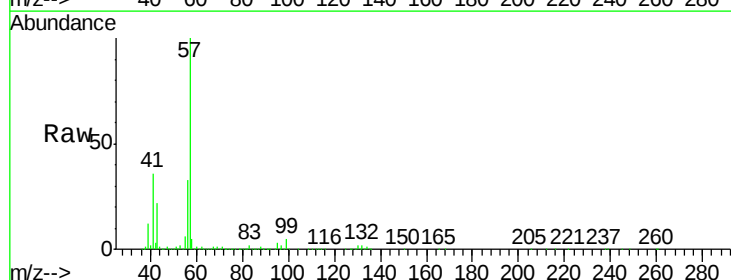
Manual Integrations
APPROVED

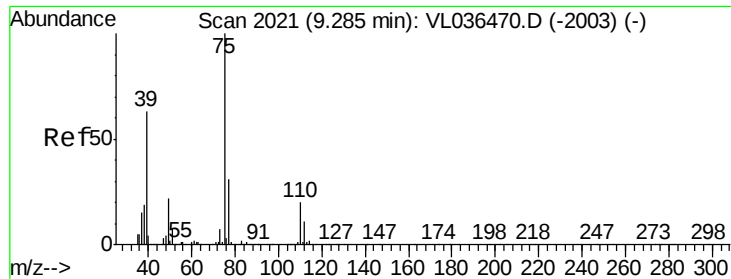
MMDadoda
4/2/2021 6:54:18 PM



#44
2,2,4-Trimethylpentane
Concen: 9.219 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.4	28.8	43.2
56	32.5	26.1	39.1





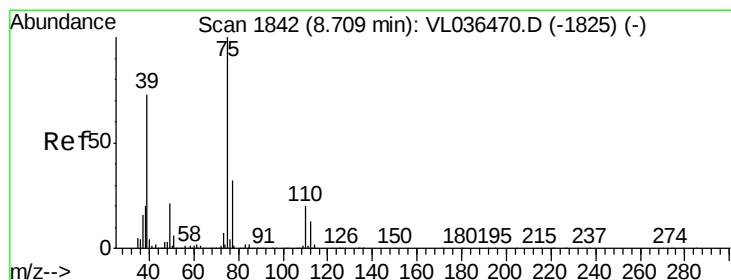
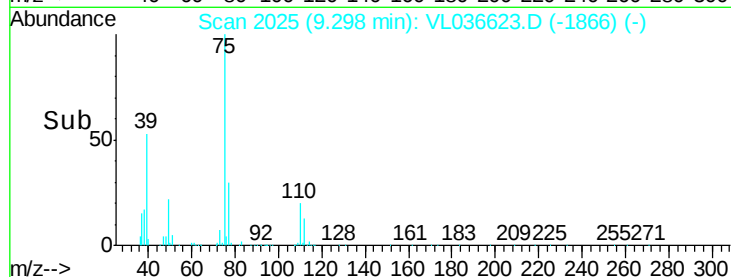
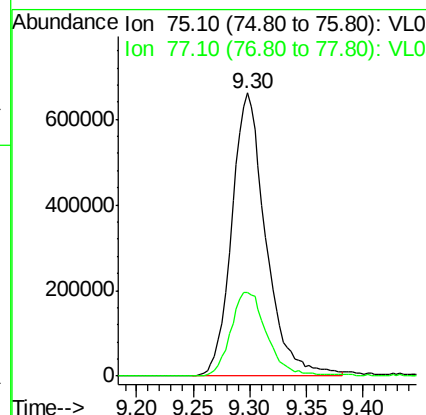
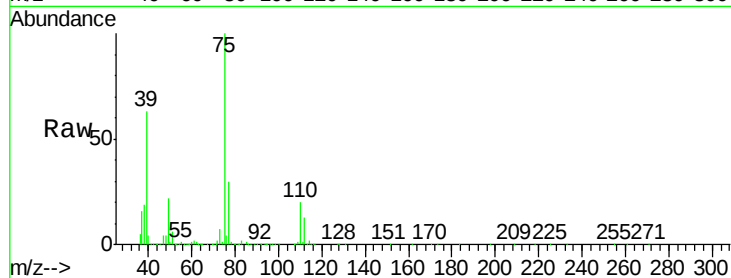
#45
t-1,3-Dichloropropene
Concen: 10.323 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1385121
Ion Ratio Lower Upper
75 100
77 29.8 25.1 37.7

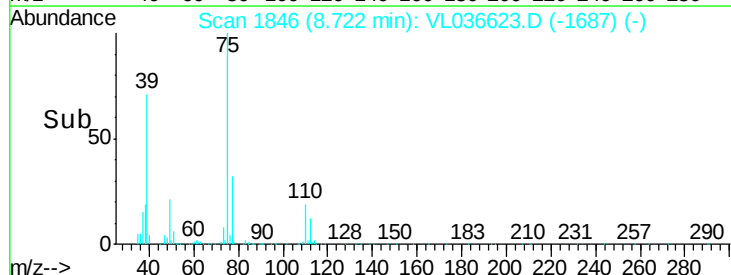
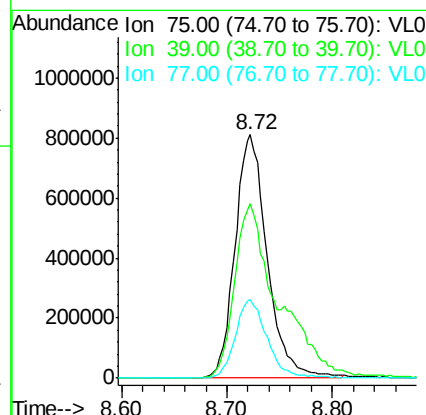
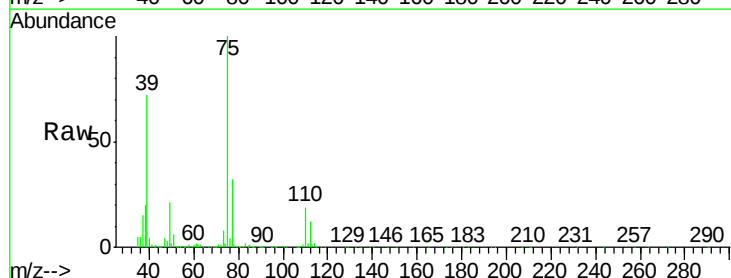
Manual Integrations
APPROVED

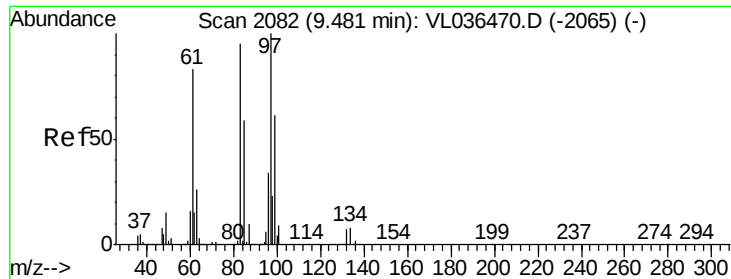
MMDadoda
4/2/2021 6:54:18 PM



#46
cis-1,3-Dichloropropene
Concen: 10.000 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 75 Resp: 1715187
Ion Ratio Lower Upper
75 100
39 71.6 58.2 87.2
77 32.4 25.2 37.8





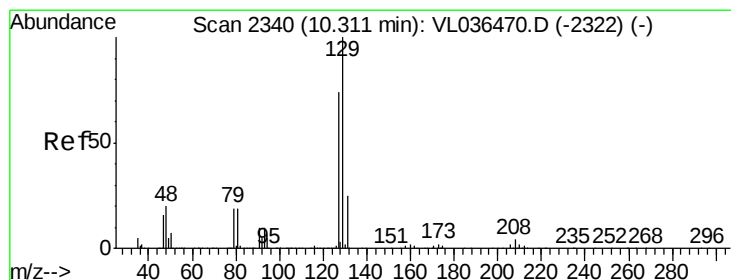
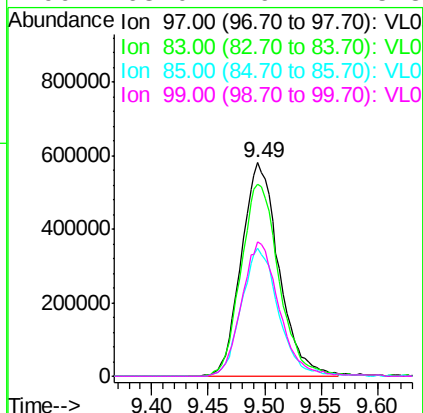
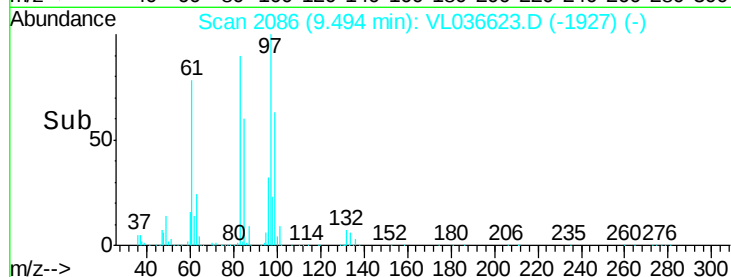
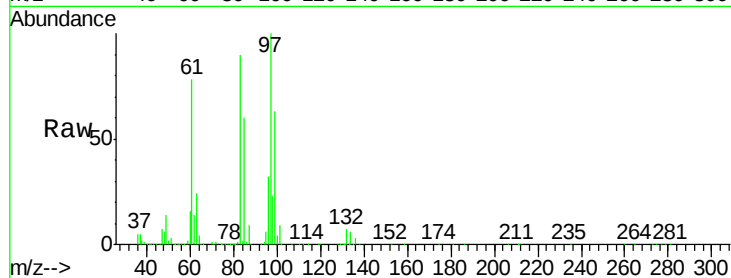
#47
 1,1,2-Trichloroethane
 Concen: 9.335 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.1	75.8	113.8
85	59.8	47.1	70.7
99	63.0	49.2	73.8

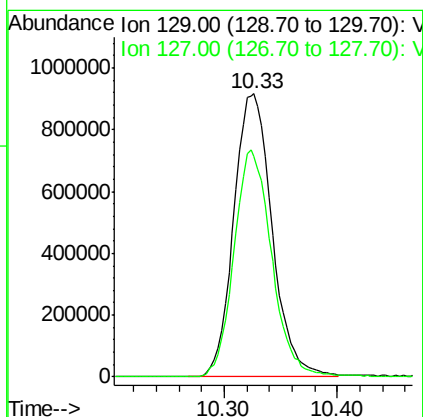
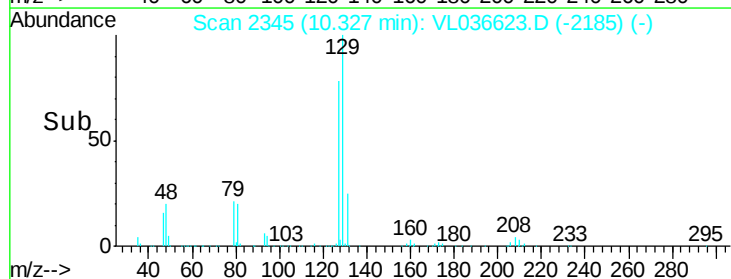
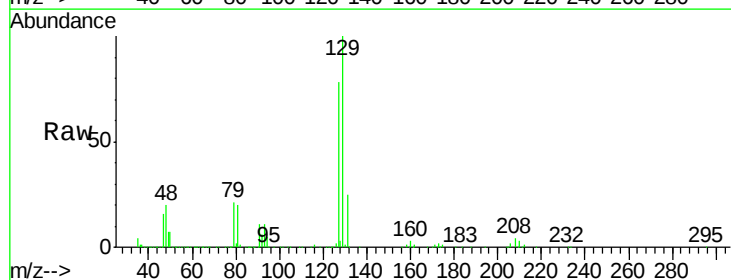
Manual Integrations
 APPROVED

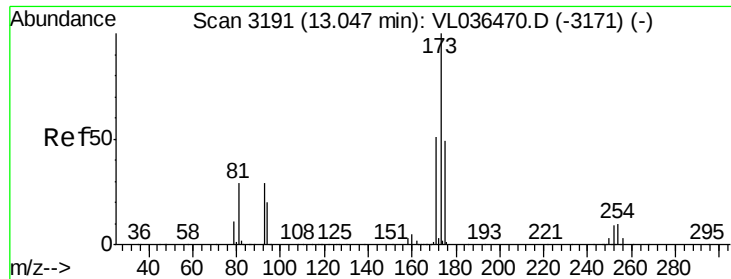
MMDadoda
 4/2/2021 6:54:18 PM



#48
 Dibromochloromethane
 Concen: 9.862 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.6	118.8





#49

Bromoform

Concen: 9.593 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1694259

Ion Ratio Lower Upper

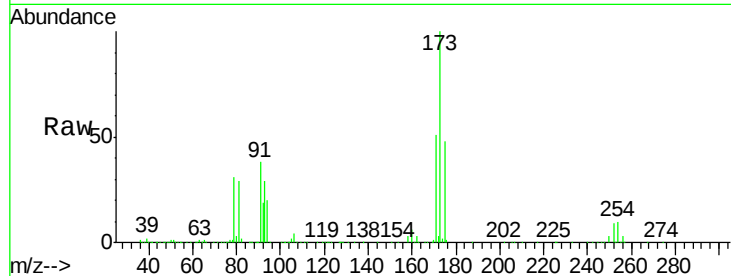
173 100

175 49.6 39.6 59.4

171 53.3 41.4 62.0

Manual Integrations
APPROVED

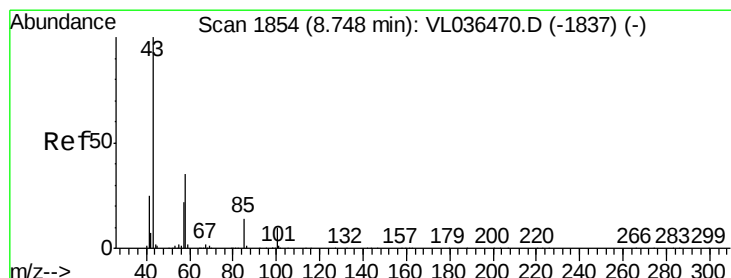
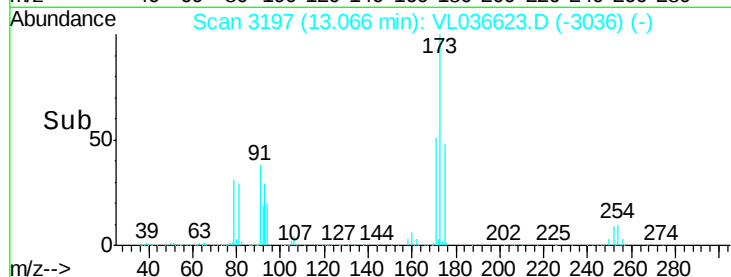
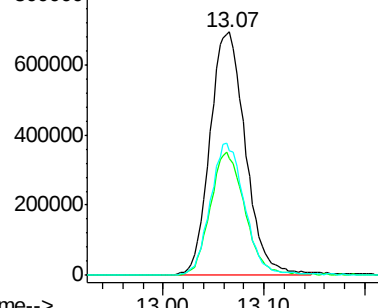
MMDadoda
4/2/2021 6:54:18 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.936 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL036623.D

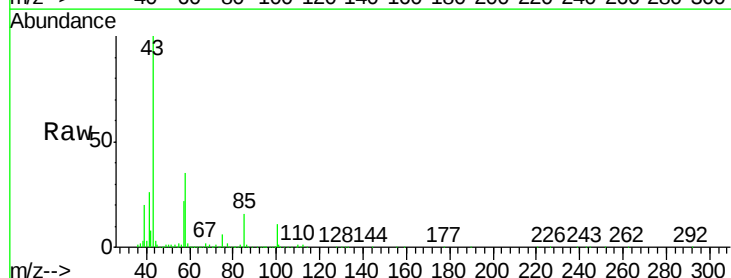
Acq: 1 Apr 2021 5:25

Tgt Ion: 43 Resp: 2662980

Ion Ratio Lower Upper

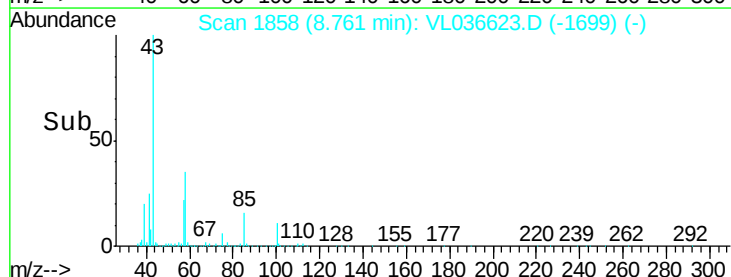
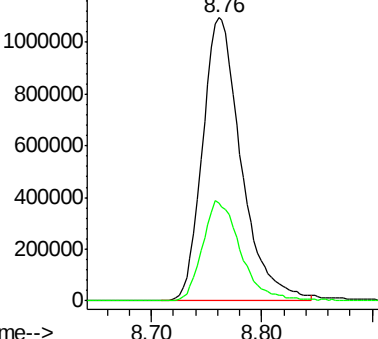
43 100

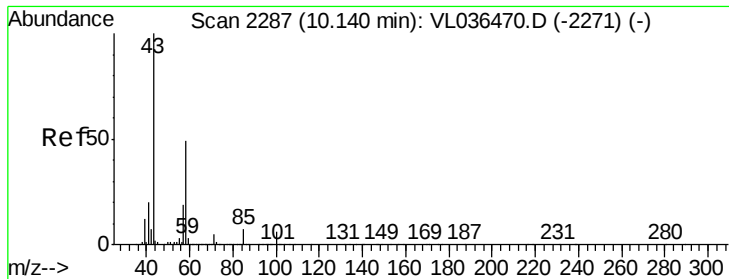
58 35.4 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





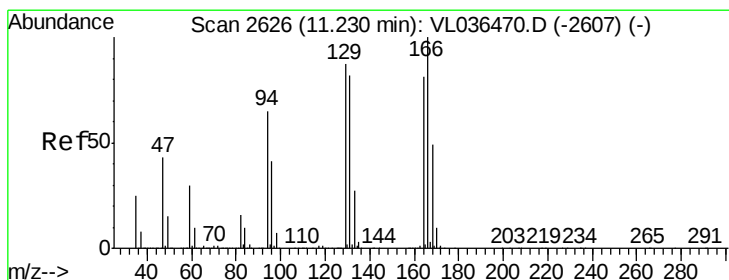
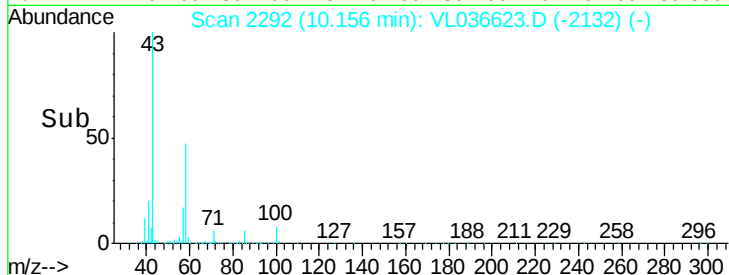
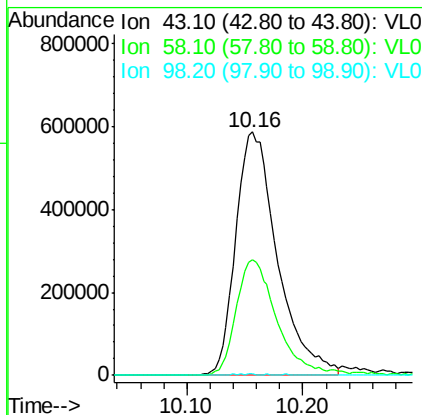
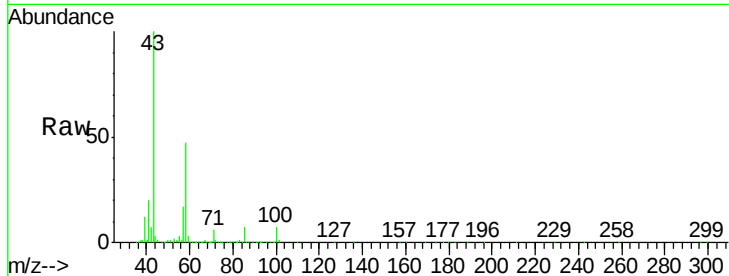
#51
2-Hexanone
Concen: 10.846 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1466825
Ion Ratio Lower Upper
43 100
58 47.3 37.7 56.5
98 0.7 0.2 0.2#

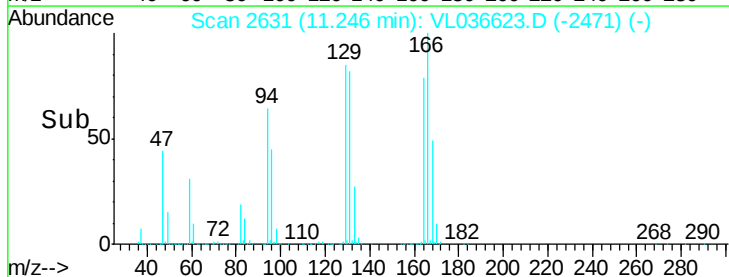
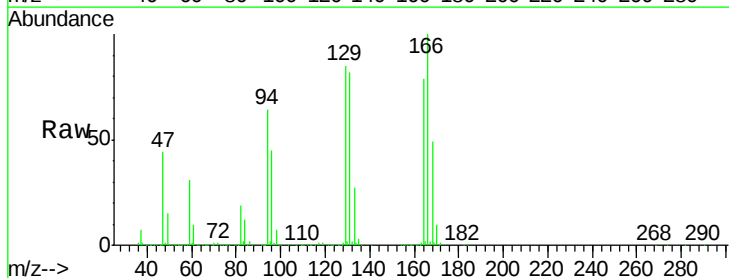
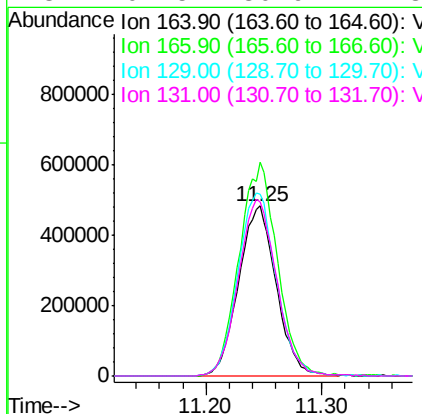
Manual Integrations
APPROVED

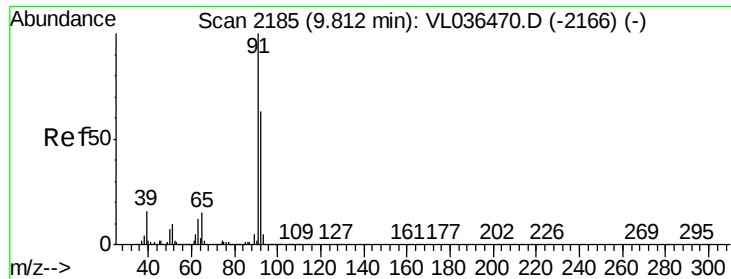
MMDadoda
4/2/2021 6:54:18 PM



#52
Tetrachloroethene
Concen: 8.413 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 164 Resp: 1084136
Ion Ratio Lower Upper
164 100
166 125.8 98.3 147.5
129 106.7 85.8 128.8
131 102.5 80.9 121.3





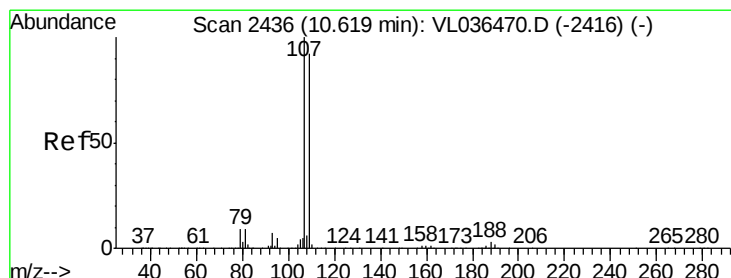
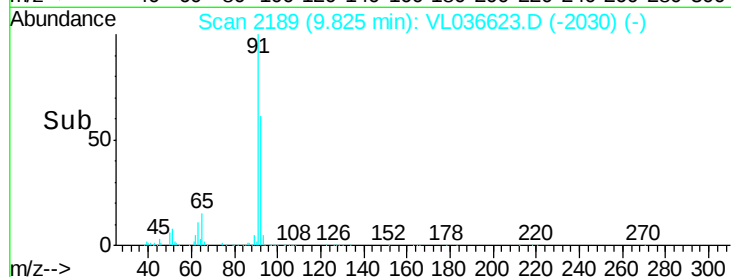
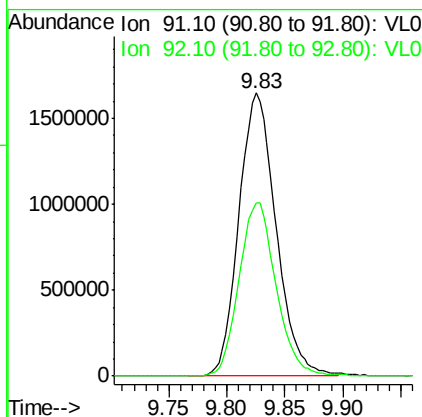
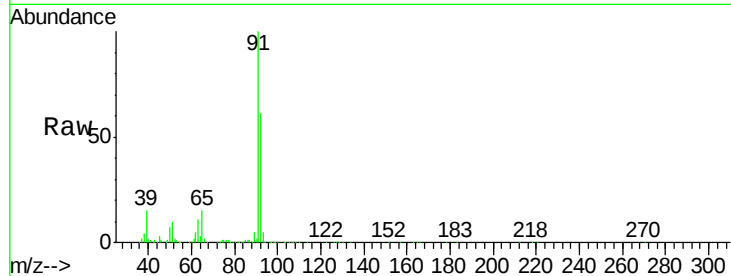
#53
Toluene
Concen: 9.853 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 3671962
Ion Ratio Lower Upper
91 100
92 61.4 48.8 73.2

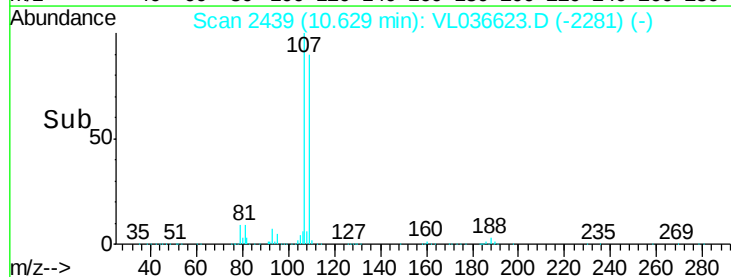
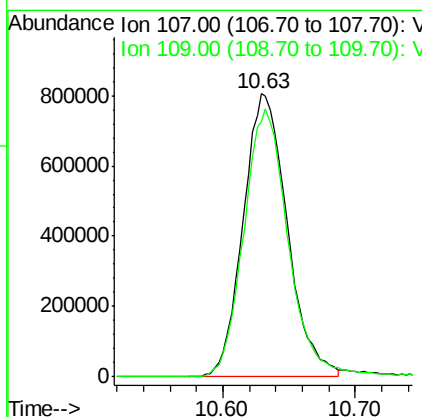
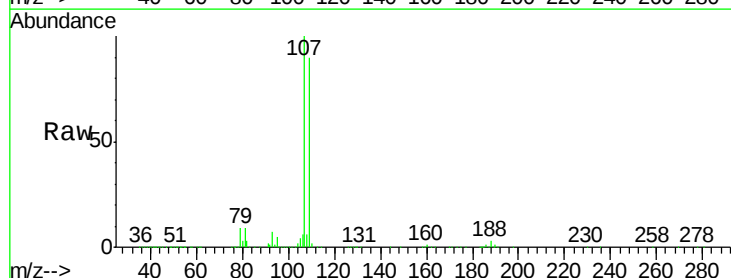
Manual Integrations
APPROVED

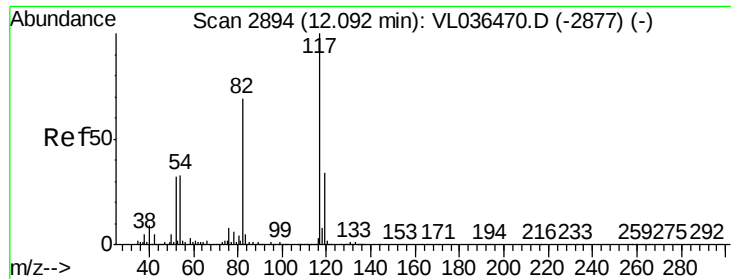
MMDadoda
4/2/2021 6:54:18 PM



#54
1,2-Dibromoethane
Concen: 9.202 ppbv
RT: 10.63 min Scan# 2439
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 107 Resp: 1868534
Ion Ratio Lower Upper
107 100
109 90.2 73.9 110.9





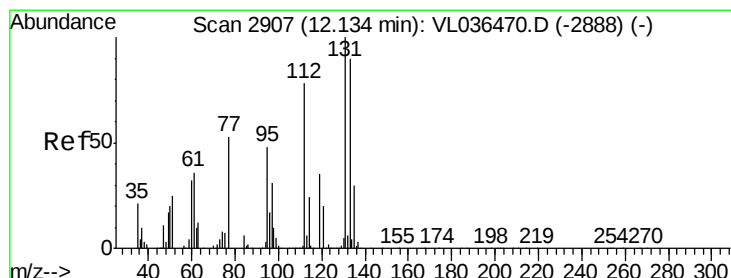
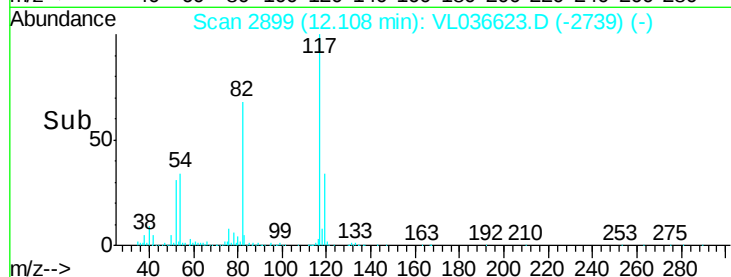
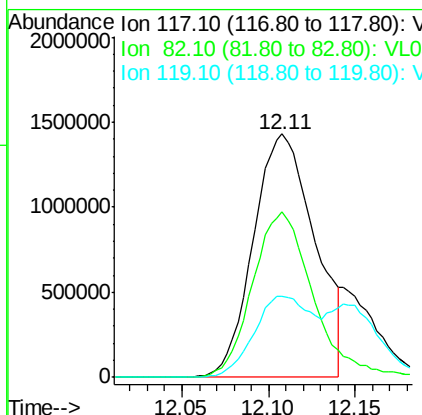
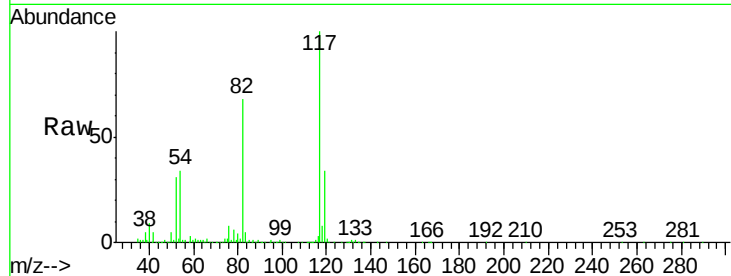
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3533411
Ion Ratio Lower Upper
117 100
82 67.8 57.4 86.0
119 57.5 47.4 71.0

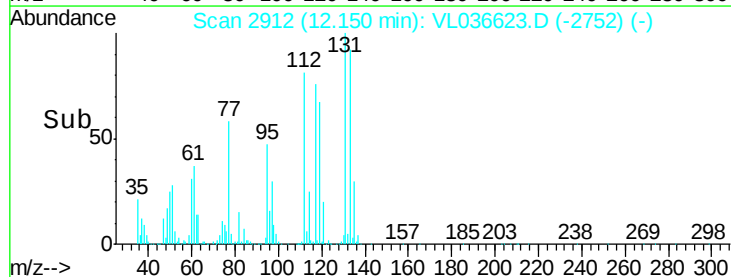
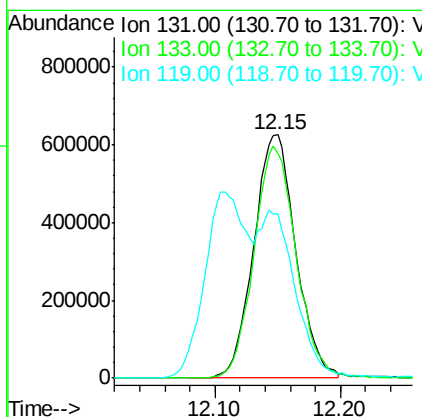
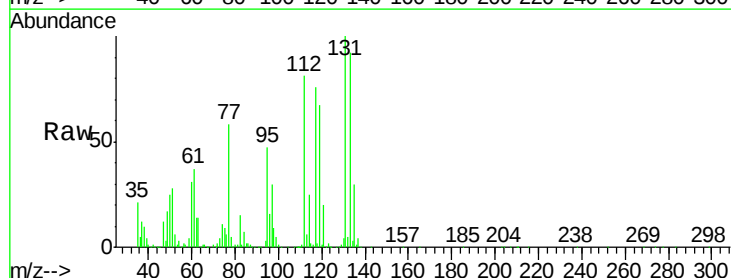
Manual Integrations
APPROVED

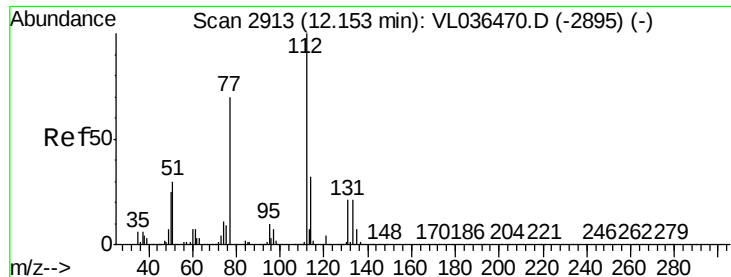
MMDadoda
4/2/2021 6:54:18 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.111 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion:131 Resp: 1456034
Ion Ratio Lower Upper
131 100
133 96.0 75.8 113.6
119 61.2 48.7 73.1





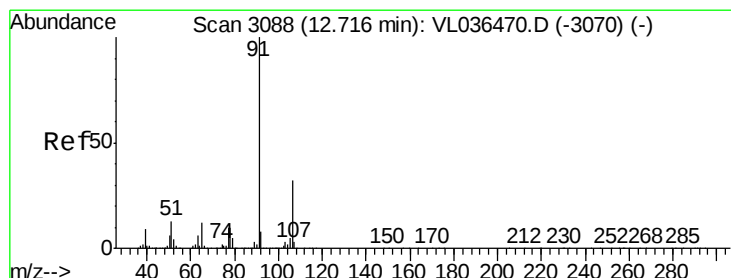
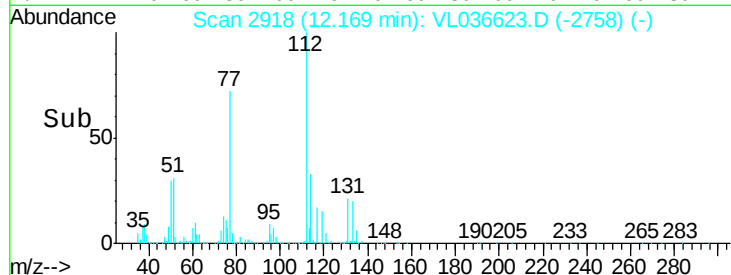
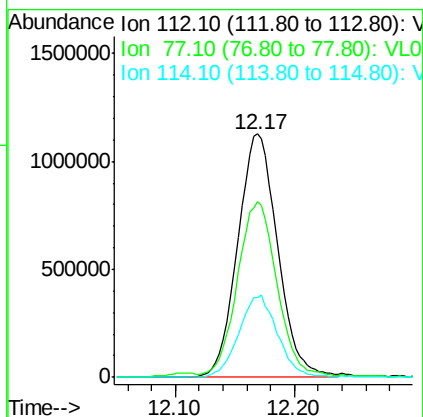
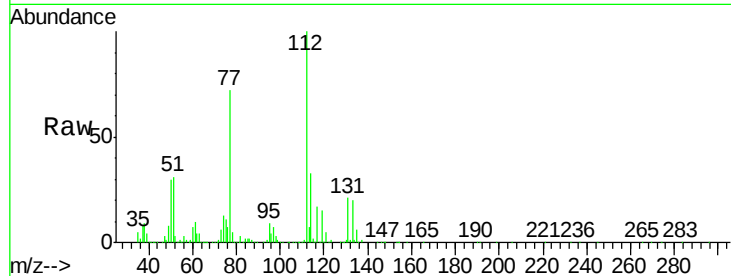
#57
Chlorobenzene
Concen: 8.710 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.4	56.0	84.0
114	32.5	29.0	35.4

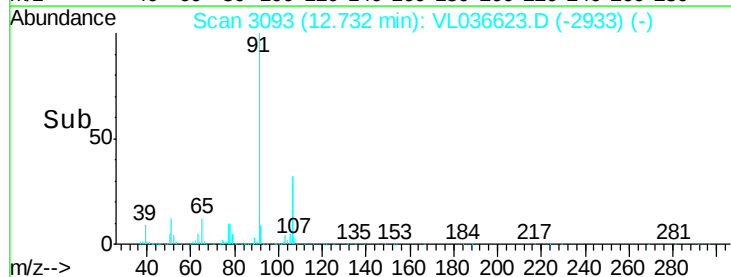
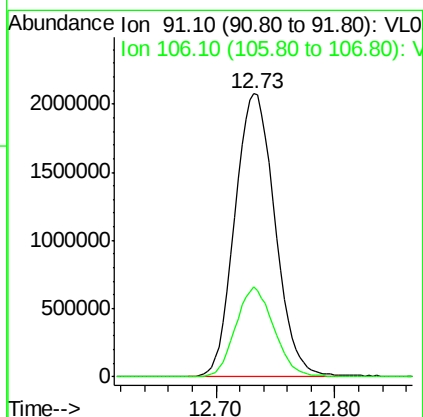
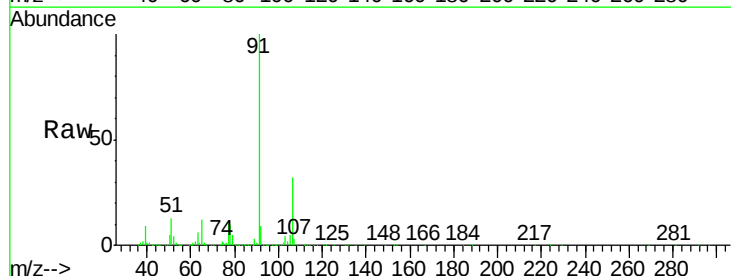
Manual Integrations
APPROVED

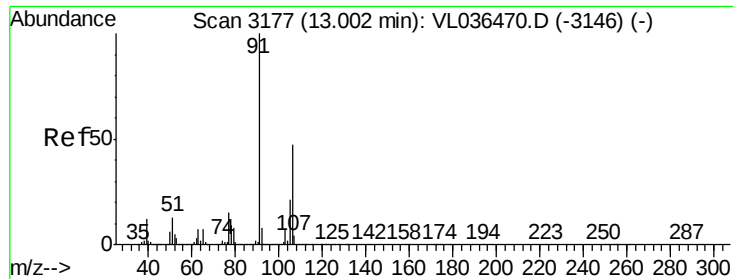
MMDadoda
4/2/2021 6:54:18 PM



#58
Ethyl Benzene
Concen: 9.439 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.3	37.9





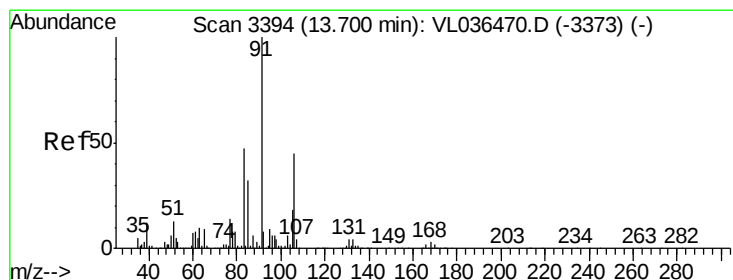
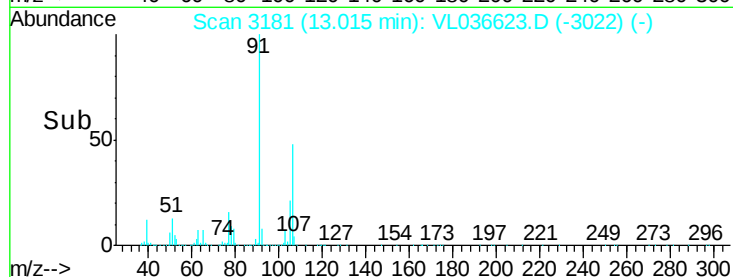
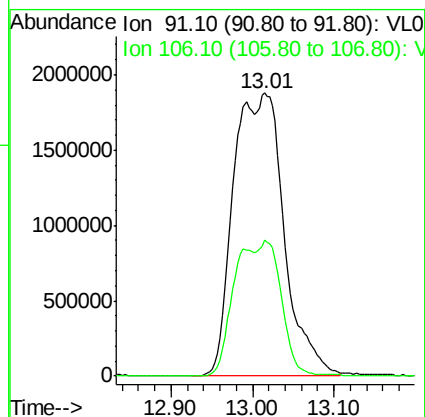
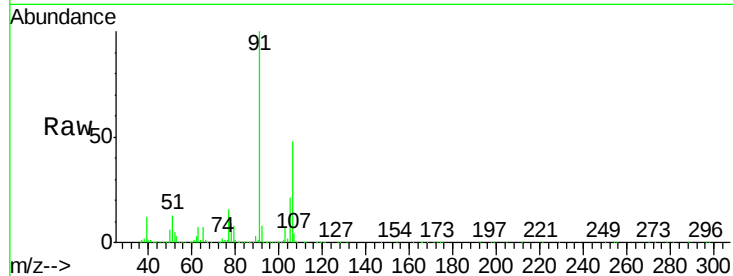
#59
m/p-Xylene
Concen: 18.077 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8105085
Ion Ratio Lower Upper
91 100
106 44.2 35.3 52.9

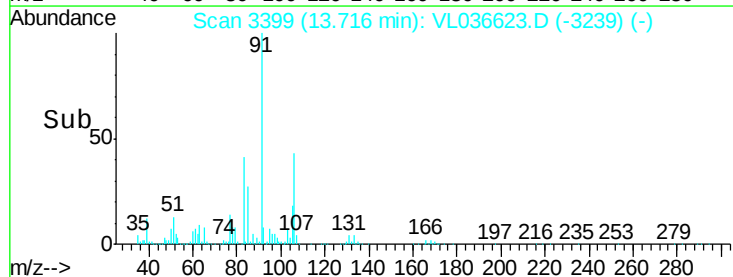
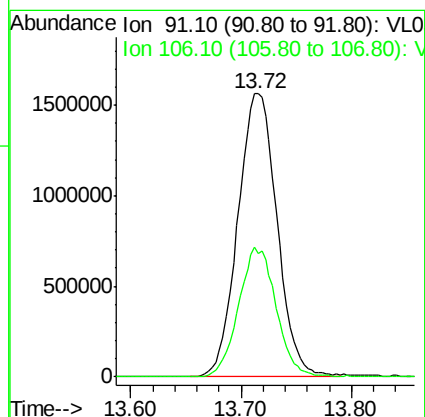
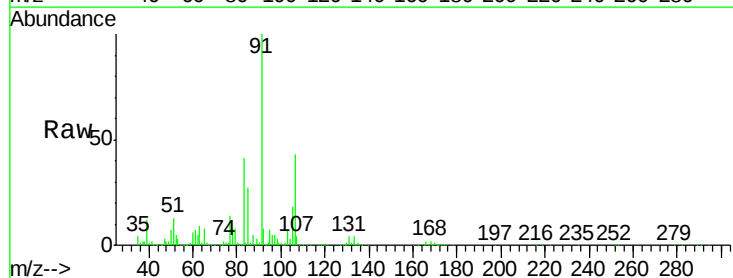
Manual Integrations
APPROVED

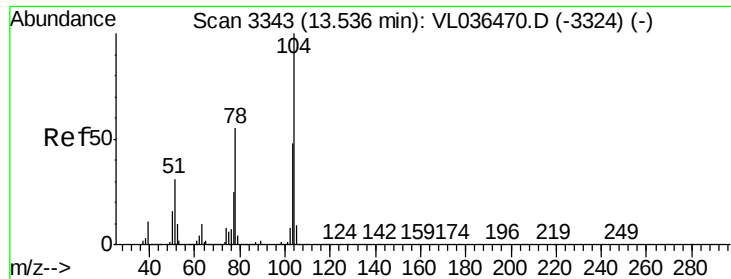
MMDadoda
4/2/2021 6:54:18 PM



#60
o-Xylene
Concen: 8.846 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 91 Resp: 3835215
Ion Ratio Lower Upper
91 100
106 44.1 22.3 66.9





#61

Stvrene

Concen: 10.294 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2245234

Ion Ratio Lower Upper

104 100

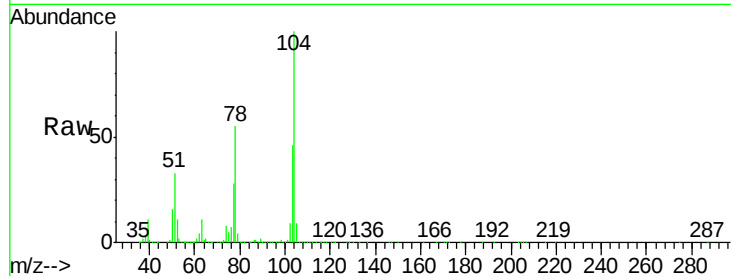
78 53.9 43.8 65.8

103 47.9 38.3 57.5

Manual Integrations
APPROVED

MMDadoda

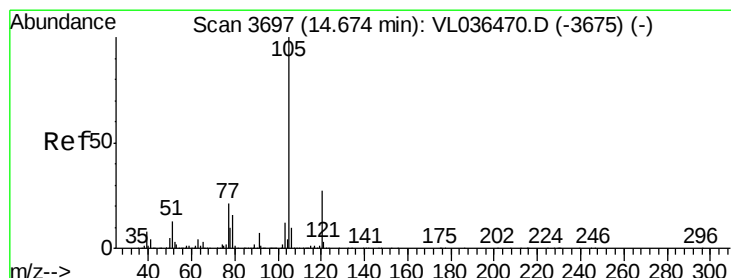
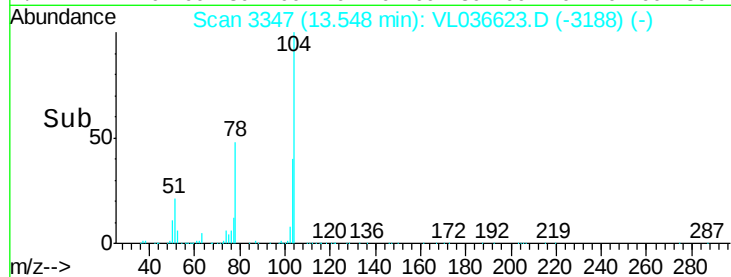
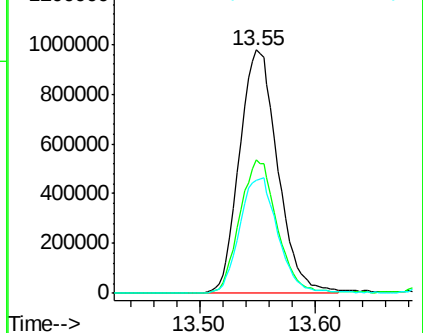
4/2/2021 6:54:18 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.808 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.02 min

Lab File: VL036623.D

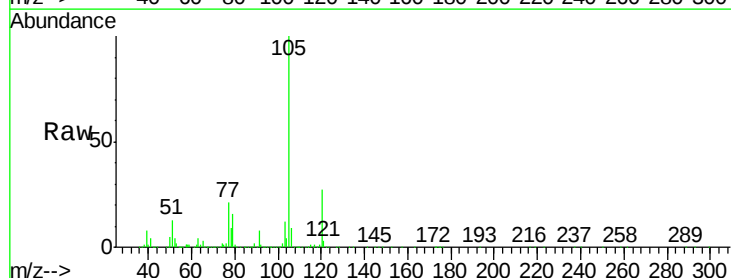
Acq: 1 Apr 2021 5:25

Tgt Ion:105 Resp: 5142336

Ion Ratio Lower Upper

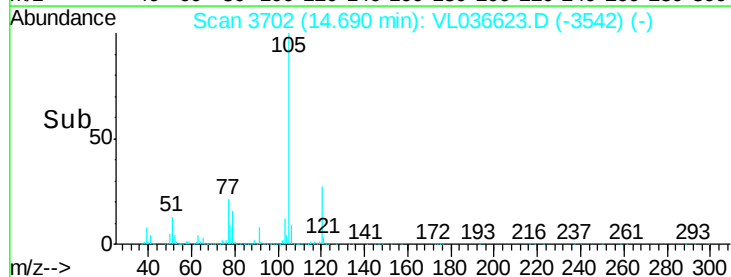
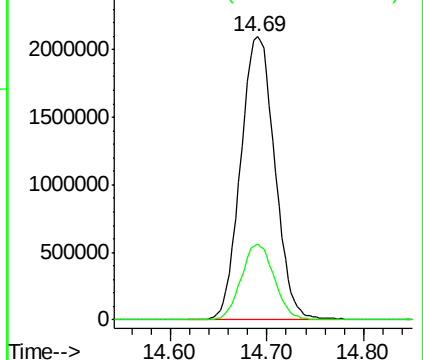
105 100

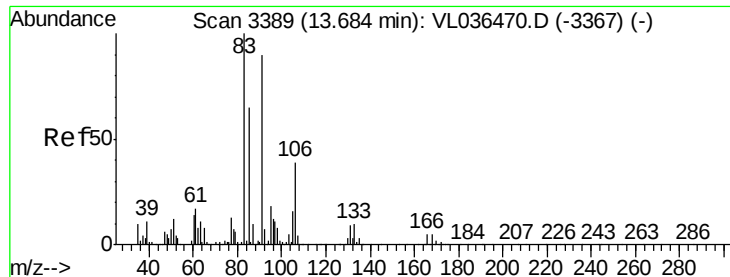
120 25.9 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





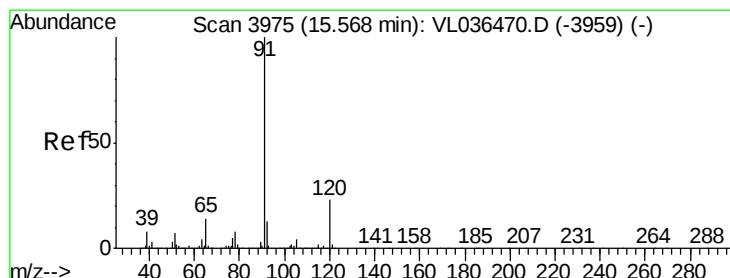
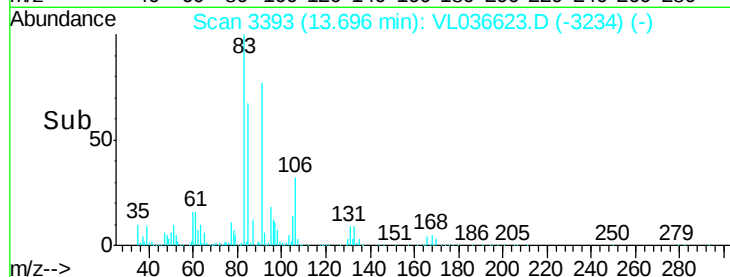
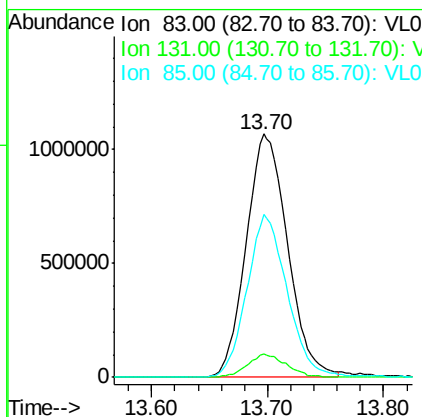
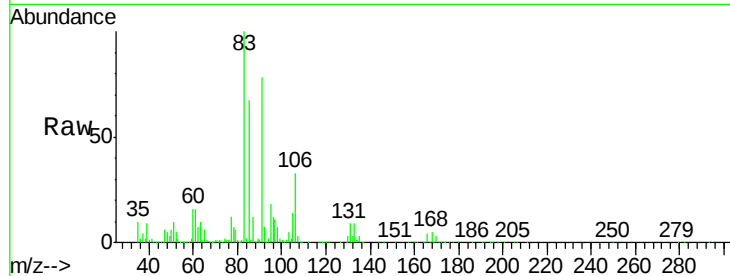
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.015 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 2650646
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.0
 85 66.1 33.1 99.3

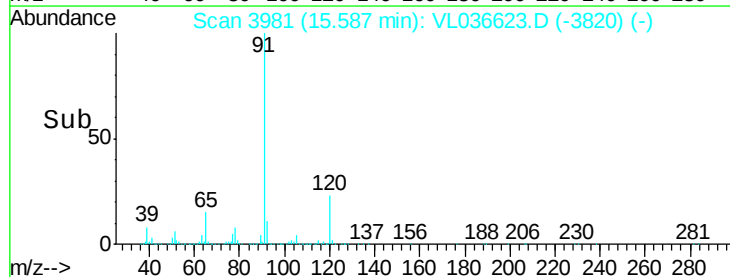
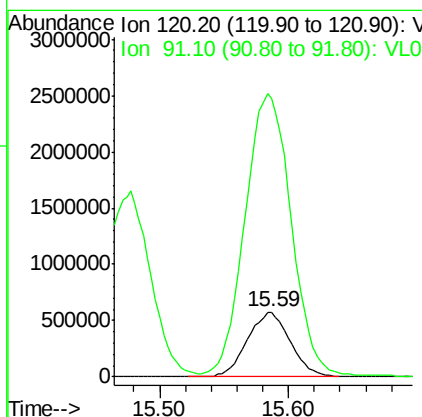
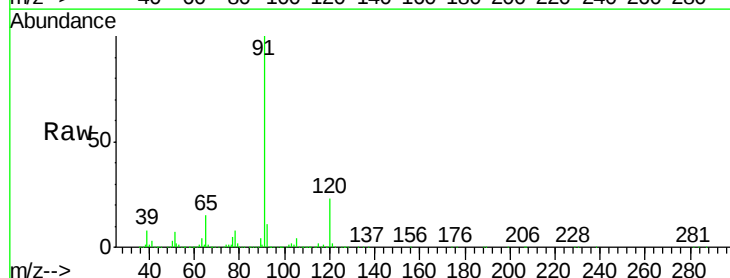
Manual Integrations
 APPROVED

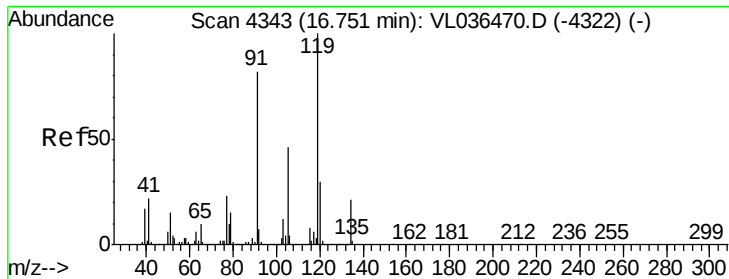
MMDadoda
 4/2/2021 6:54:18 PM



#64
 n-propylbenzene
 Concen: 9.340 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion: 120 Resp: 1333193
 Ion Ratio Lower Upper
 120 100
 91 474.0 377.4 566.2





#65

tert-Butylbenzene

Concen: 8.607 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4357171

Ion Ratio Lower Upper

119 100

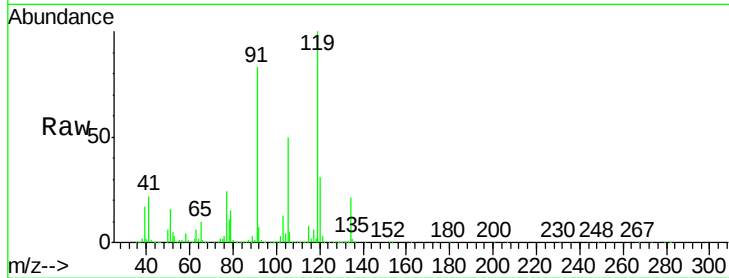
91 85.6 67.5 101.3

134 19.7 15.8 23.8

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:54:18 PM



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

16.77

1500000

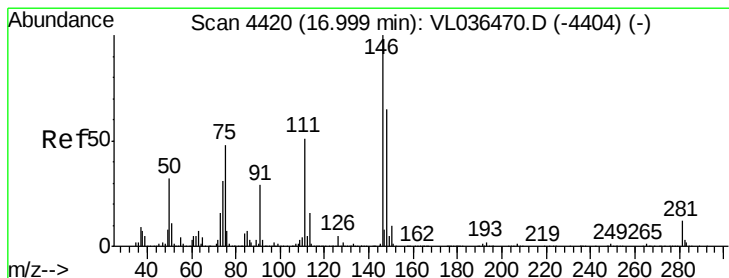
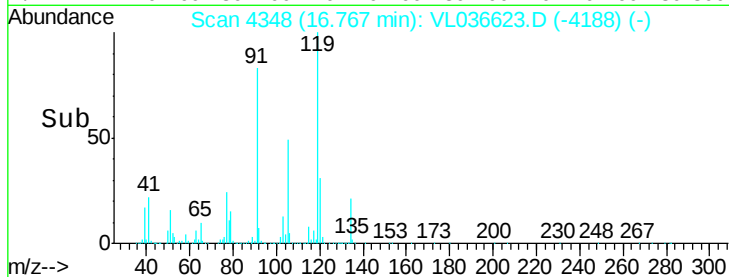
1000000

500000

0

16.70 16.80

Time-->



#66

Benzyl Chloride

Concen: 10.698 ppbv m

RT: 17.01 min Scan# 4423

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

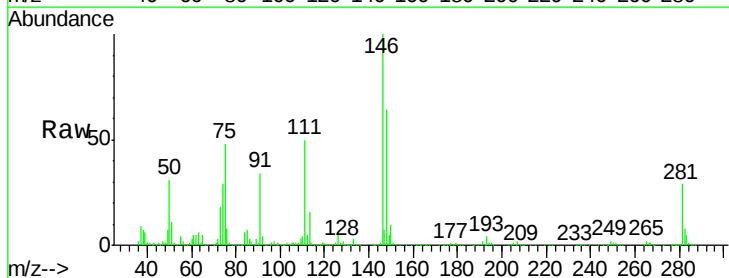
Tgt Ion: 91 Resp: 598618

Ion Ratio Lower Upper

91 100

126 16.6 13.5 20.3

128 5.5 4.2 6.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

17.01

300000

250000

200000

150000

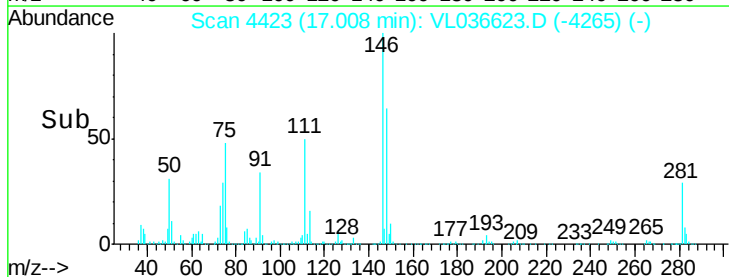
100000

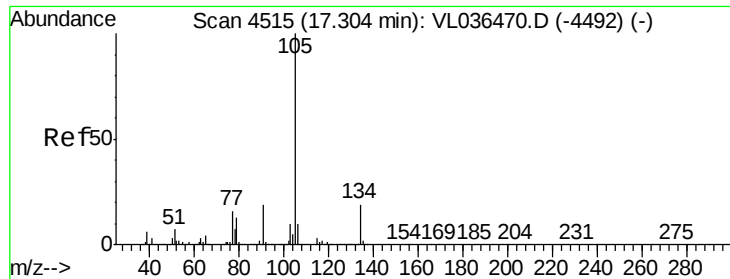
50000

0

16.90 17.00

Time-->





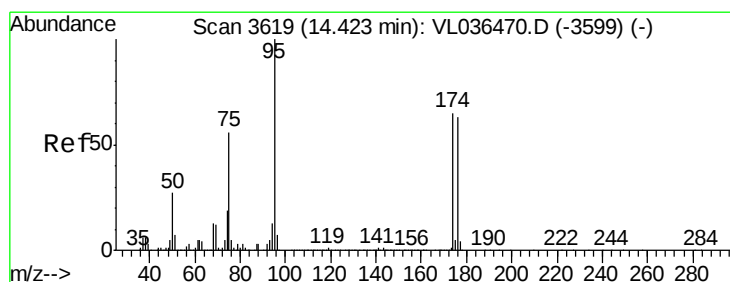
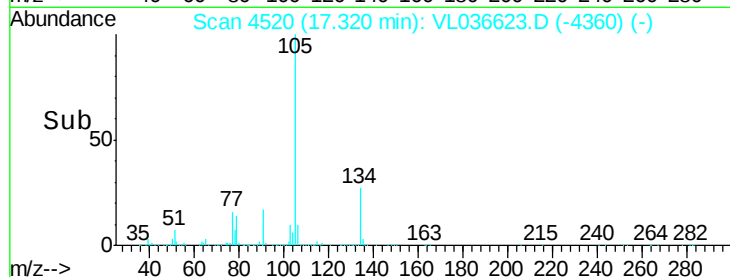
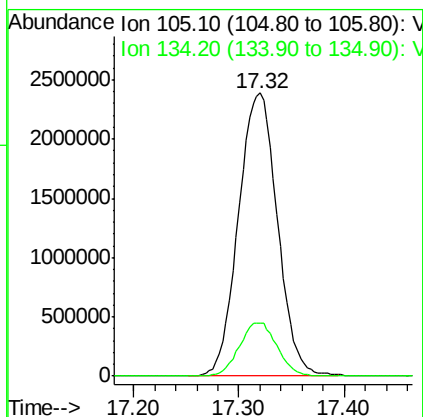
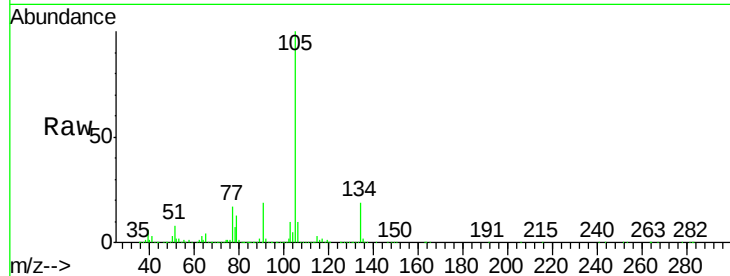
#67
 sec-Butylbenzene
 Concen: 8.587 ppbv
 RT: 17.32 min Scan# 4520
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 6136612
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.7 22.1

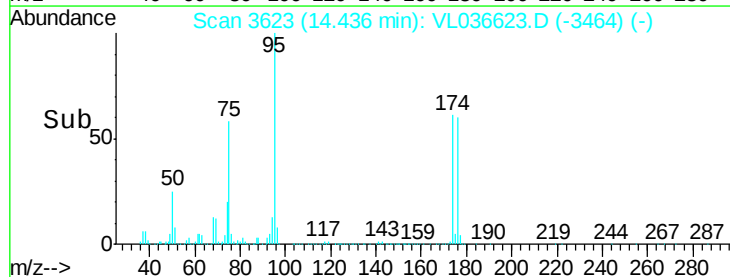
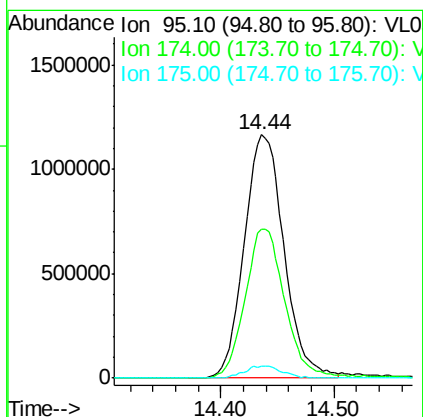
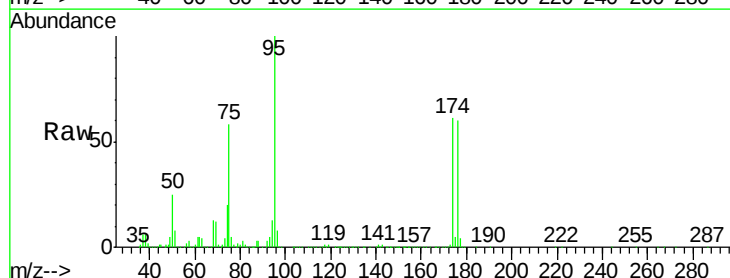
Manual Integrations
 APPROVED

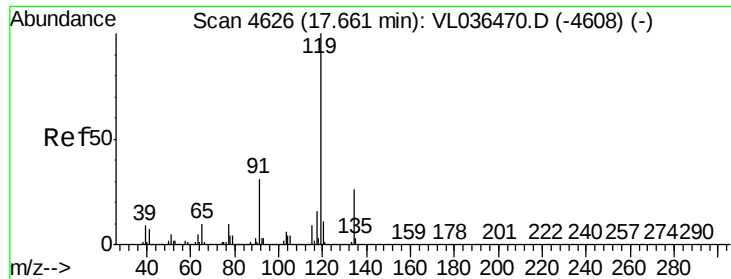
MMDadoda
 4/2/2021 6:54:18 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.119 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion: 95 Resp: 2849610
 Ion Ratio Lower Upper
 95 100
 174 62.0 51.0 76.6
 175 4.9 3.9 5.9





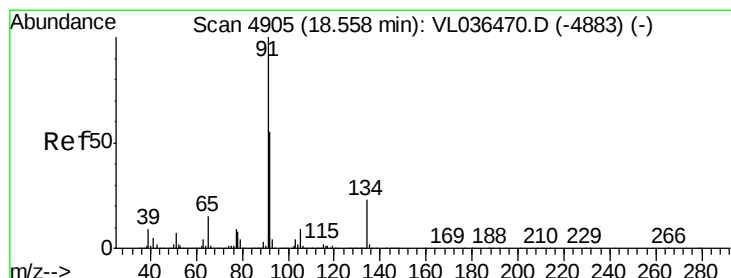
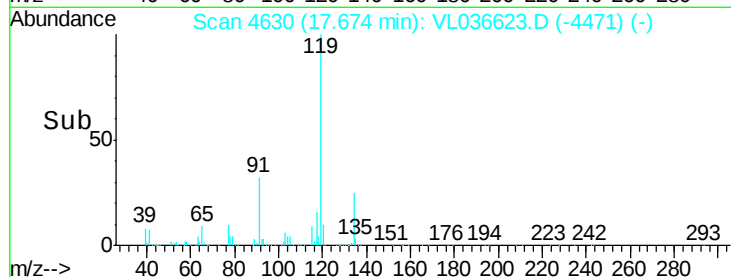
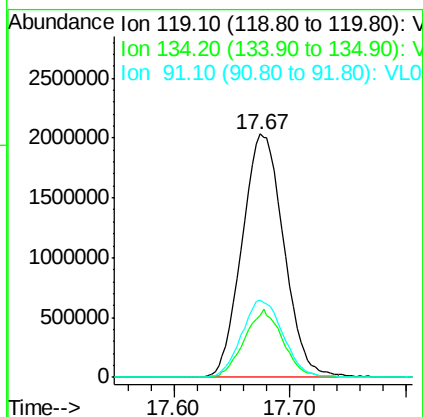
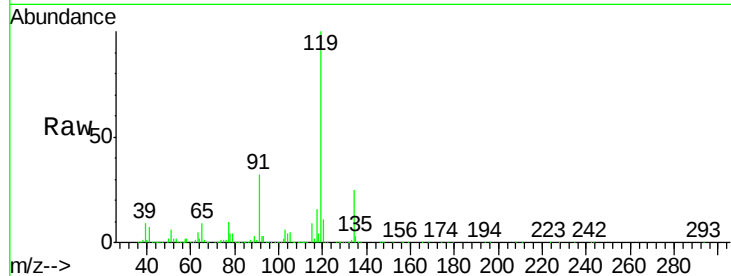
#69
 p-Isopropyltoluene
 Concen: 9.112 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	31.4	25.0	37.6

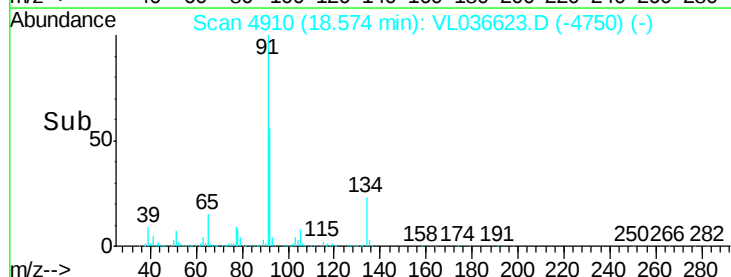
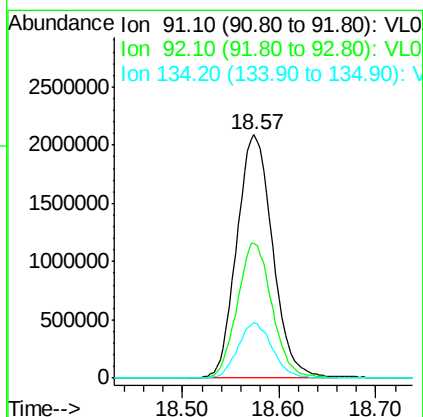
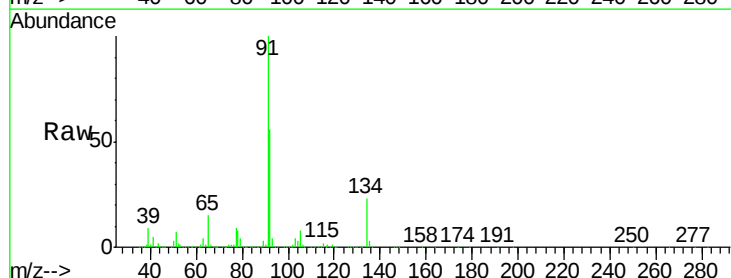
Manual Integrations
 APPROVED

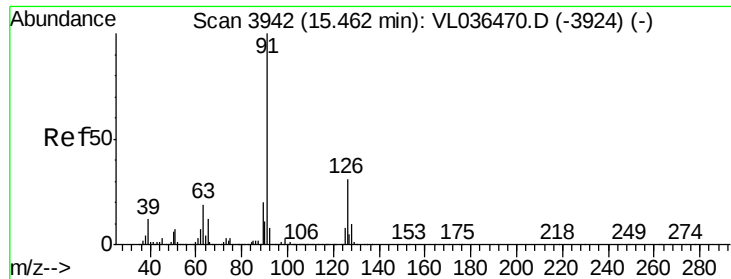
MMDadoda
 4/2/2021 6:54:18 PM



#70
 n-Butylbenzene
 Concen: 9.275 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.8	65.8
134	22.2	18.0	27.0





#71

2-Chlorotoluene

Concen: 8.960 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3919953

Ion Ratio Lower Upper

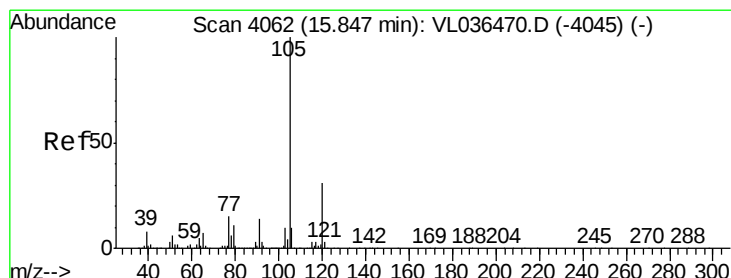
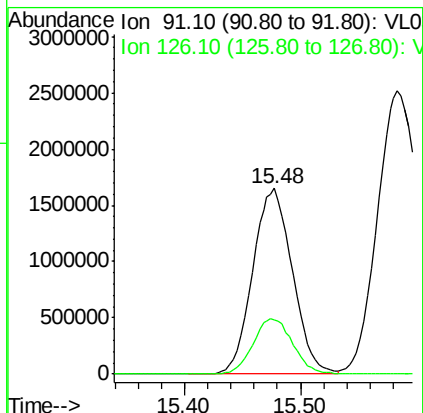
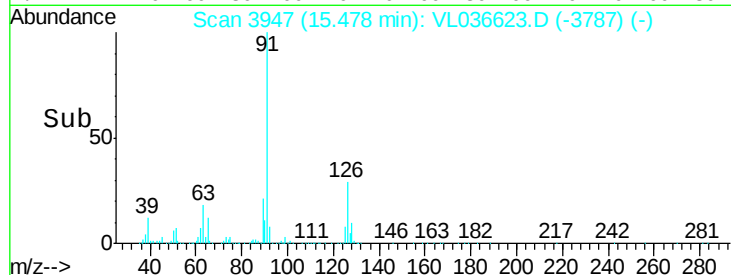
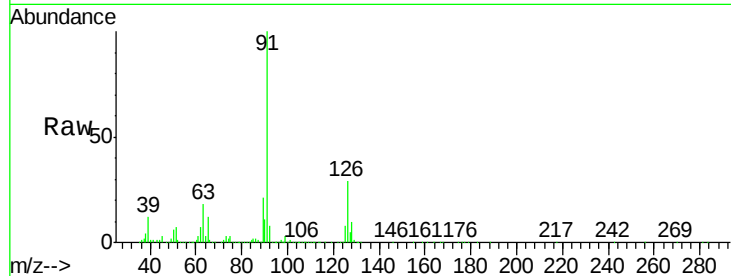
91 100

126 30.2 12.1 48.5

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:54:18 PM



#72

4-Ethyltoluene

Concen: 9.320 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tgt Ion: 105 Resp: 4427736

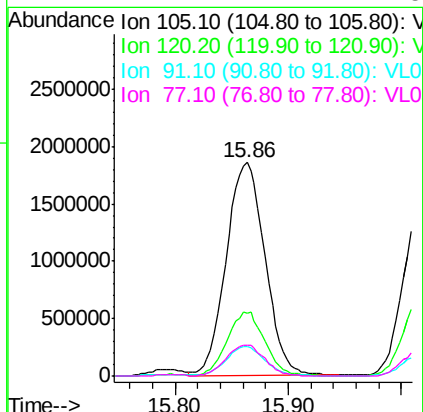
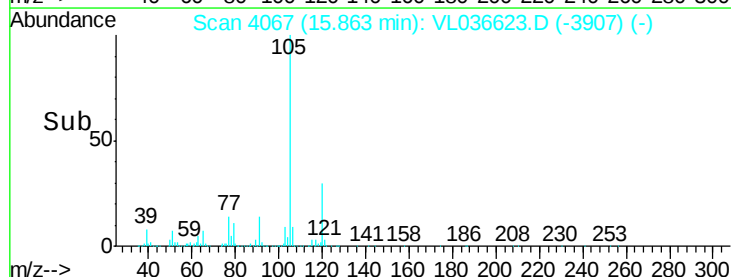
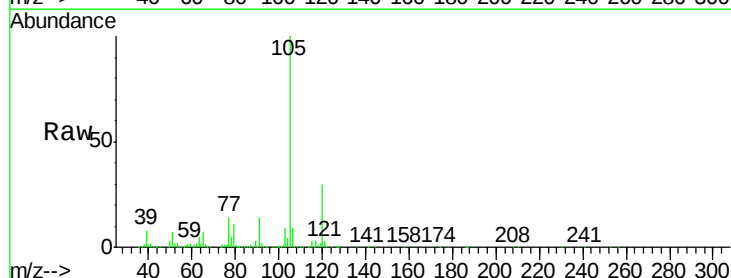
Ion Ratio Lower Upper

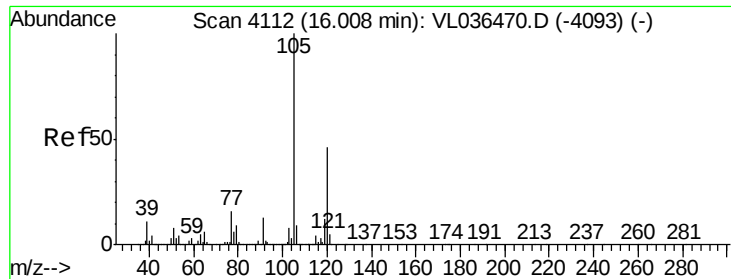
105 100

120 29.4 24.0 36.0

91 13.9 11.0 16.4

77 14.4 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.897 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3944724

Ion Ratio Lower Upper

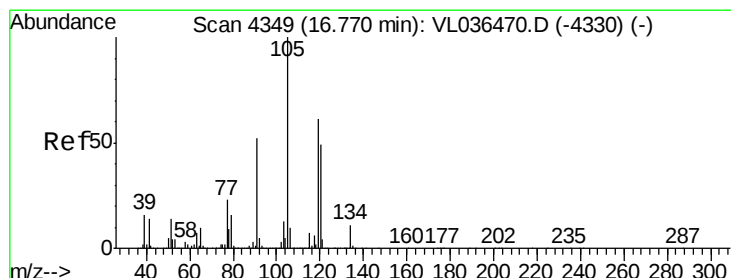
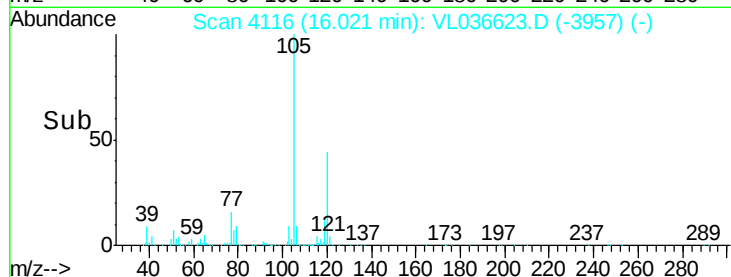
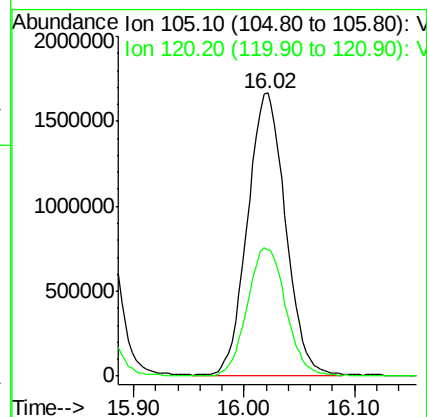
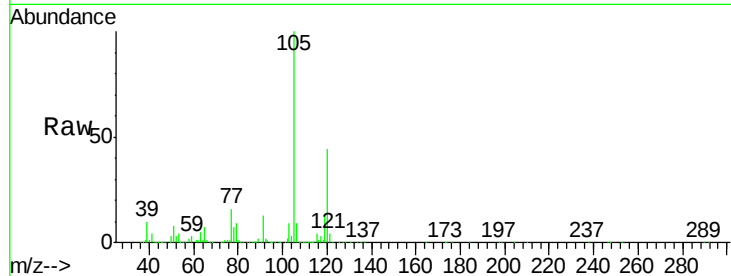
105 100

120 44.3 36.6 54.8

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:54:18 PM



#74

1,2,4-Trimethylbenzene

Concen: 8.532 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tgt Ion:105 Resp: 4048244

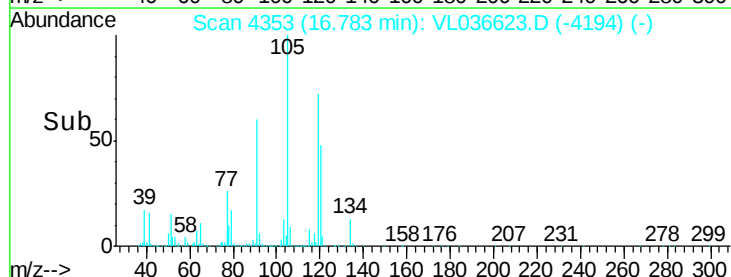
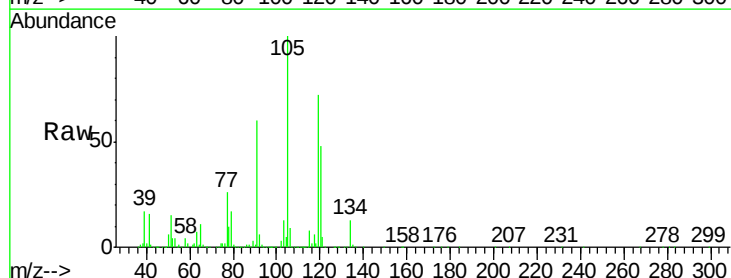
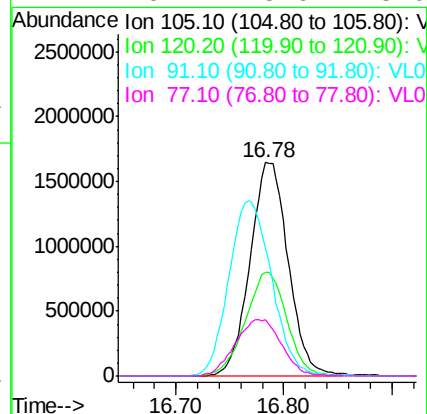
Ion Ratio Lower Upper

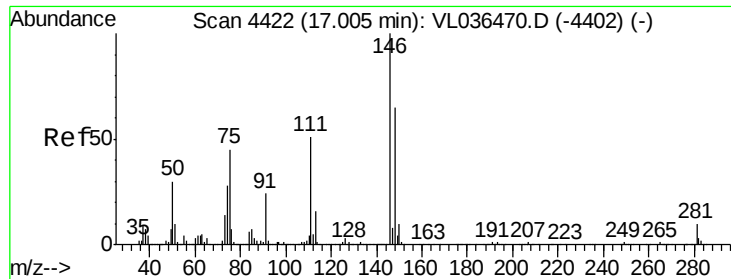
105 100

120 48.3 39.2 58.8

91 59.6 42.6 64.0

77 26.2 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 8.387 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2239807

Ion Ratio Lower Upper

146 100

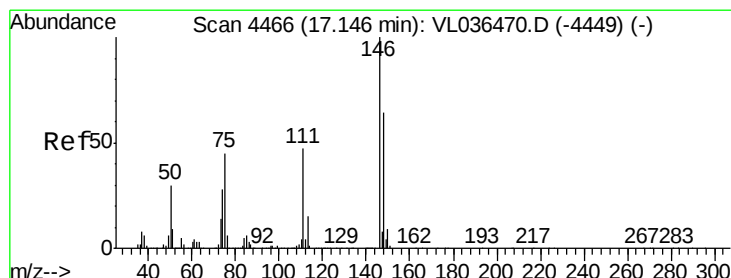
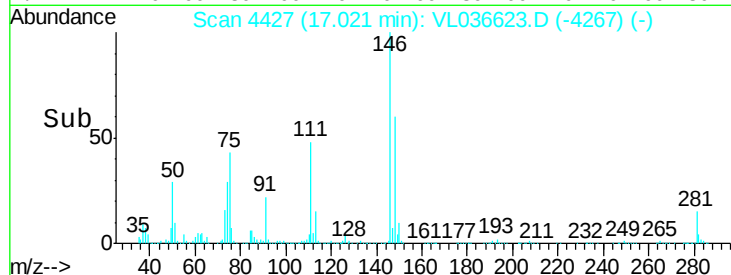
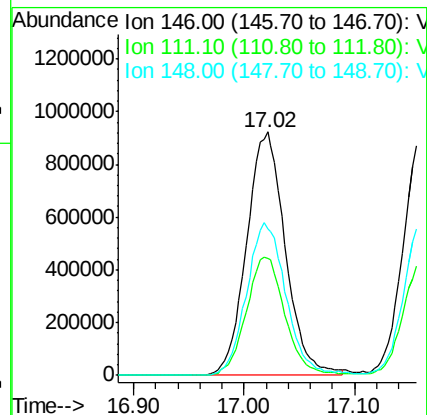
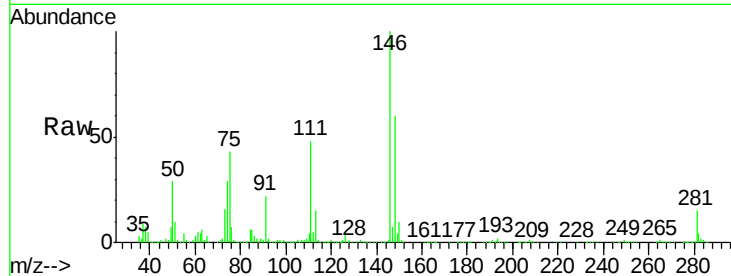
111 49.0 24.5 73.5

148 64.1 32.3 96.9

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:54:18 PM



#76

1,4-Dichlorobenzene

Concen: 8.143 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

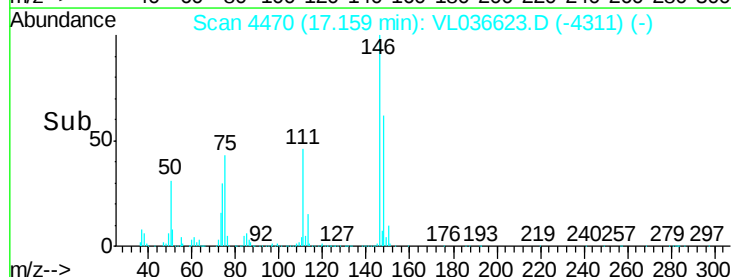
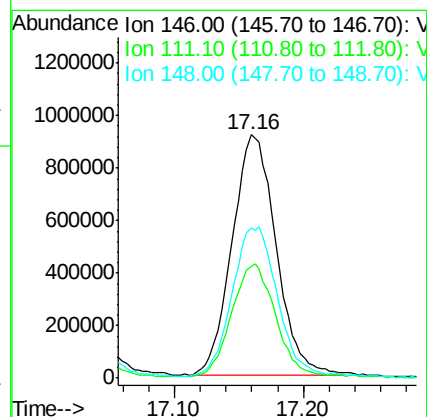
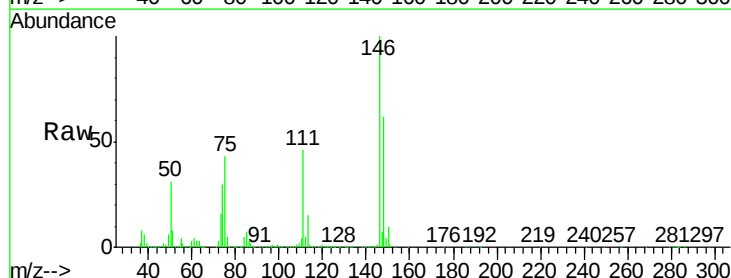
Tgt Ion:146 Resp: 2159159

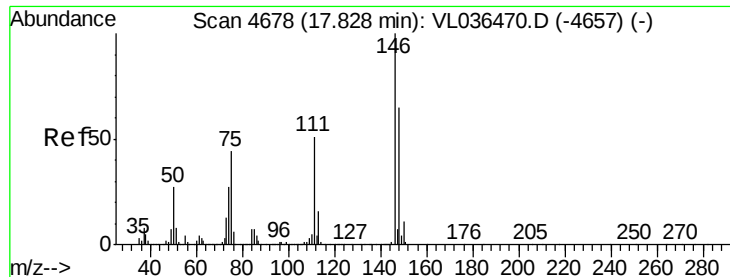
Ion Ratio Lower Upper

146 100

111 49.0 24.3 72.8

148 66.7 33.0 98.9





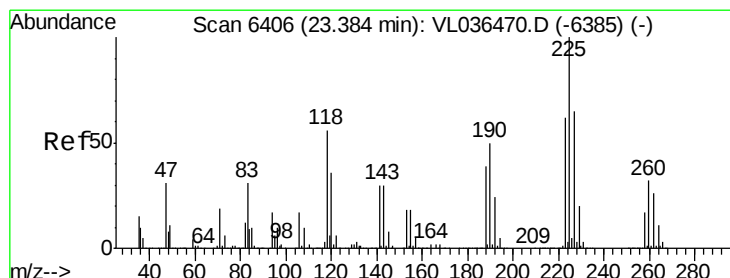
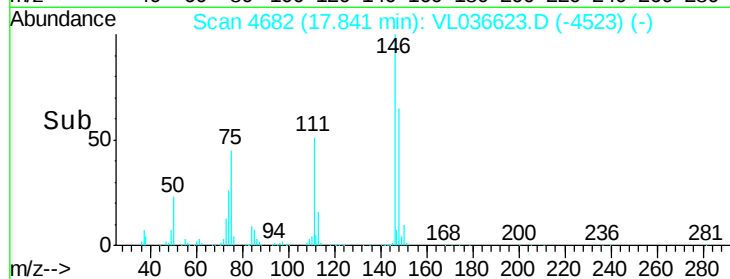
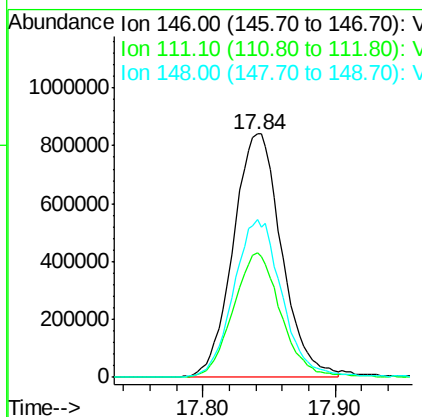
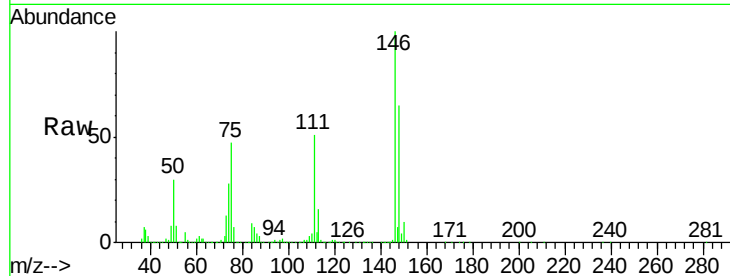
#77
 1,2-Dichlorobenzene
 Concen: 8.406 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2110364
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.5 76.5
 148 65.3 32.9 98.6

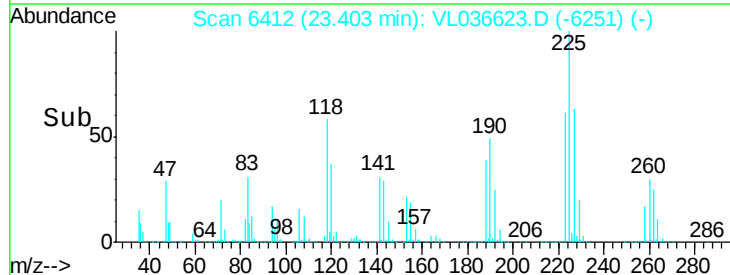
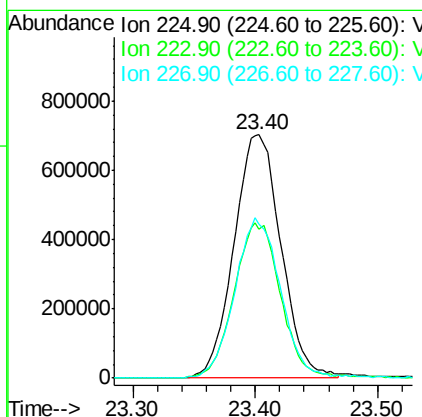
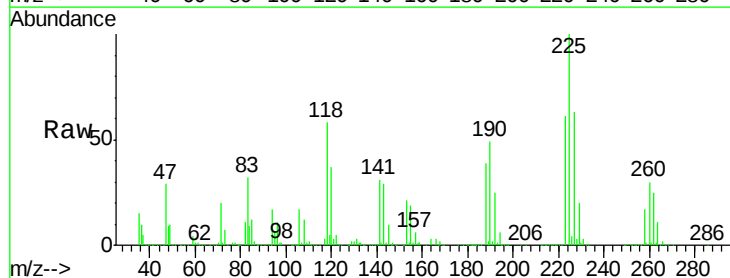
Manual Integrations
 APPROVED

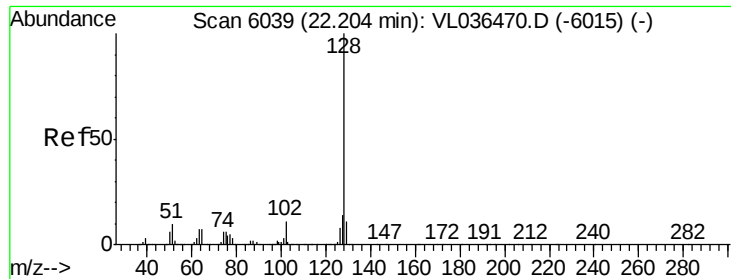
MMDadoda
 4/2/2021 6:54:18 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.270 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion:225 Resp: 1859291
 Ion Ratio Lower Upper
 225 100
 223 64.2 50.6 75.8
 227 65.1 52.2 78.2





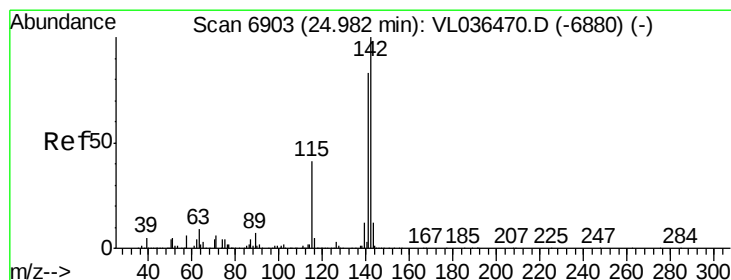
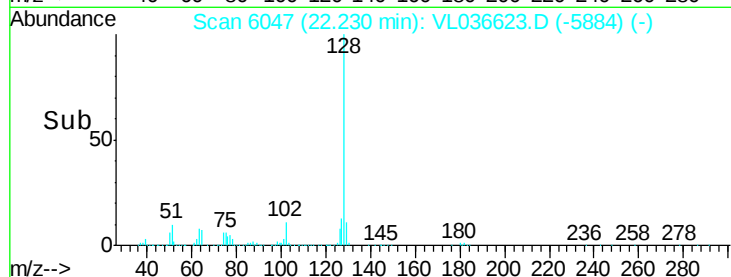
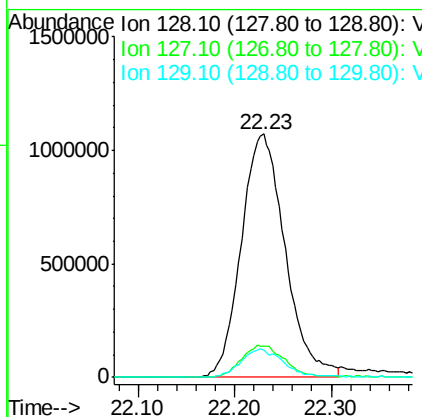
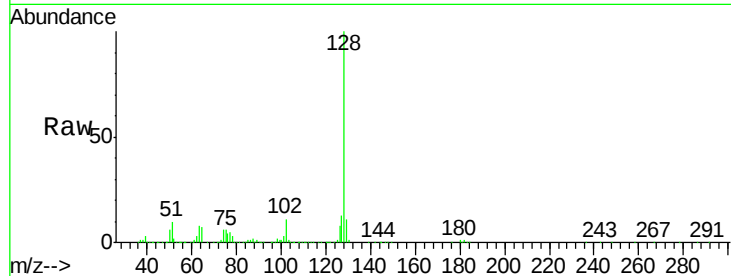
#79
Naphthalene
Concen: 12.203 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. 0.03 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.9	16.3
129	11.2	9.0	13.4

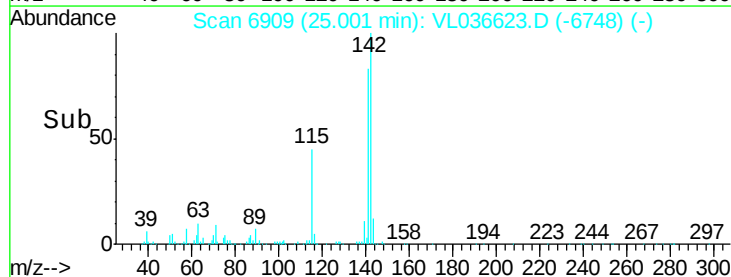
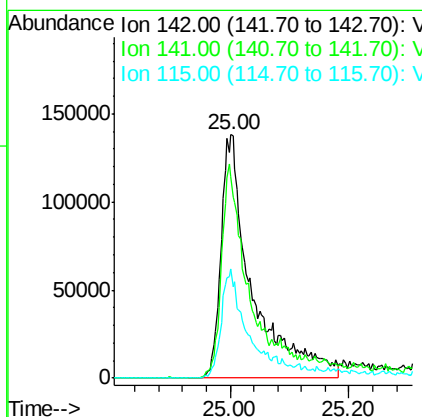
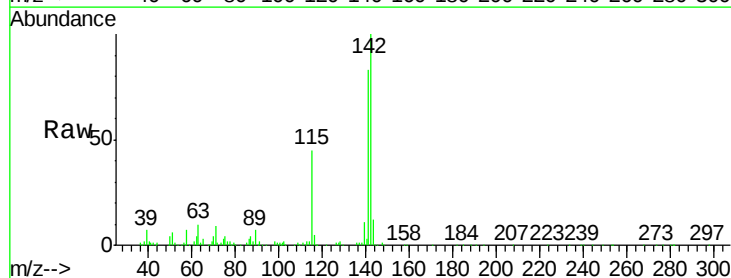
Manual Integrations
APPROVED

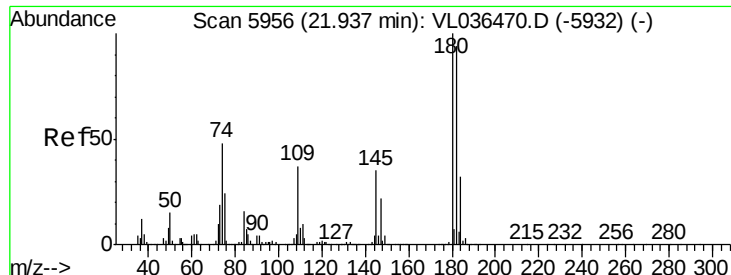
MMDadoda
4/2/2021 6:54:18 PM



#80
Naphthalene, 2-methyl-
Concen: 9.236 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.1	67.8	101.8
115	41.1	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.817 ppbv
 RT: 21.96 min Scan# 5962
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	80.8	121.2
184	32.2	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:18 PM

