

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037455.D
 Acq On : 16 Aug 2021 10:27
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:58:53 PM

Quant Time: Aug 16 11:30:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 16 11:30:59 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1585666	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4742489	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	4154948	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3055545	10.25	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2165835	8.940	ppbv	96
3) Chlorodifluoromethane	2.98	51	2694283	8.653	ppbv	98
4) Chloromethane	3.13	50	1042201	9.311	ppbv	95
5) Vinyl Chloride	3.25	62	992929	8.051	ppbv	97
6) Bromomethane	3.47	94	554219	8.666	ppbv	97
7) Chloroethane	3.55	64	350573	8.609	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2335151	8.637	ppbv	100
9) Propene	3.00	41	976612	9.340	ppbv	100
10) Heptane	8.10	43	2371719	9.328	ppbv	99
11) Trichlorofluoromethane	3.94	101	2119063	8.084	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1519915	8.277	ppbv	96
13) Ethanol	3.60	45	116267m	10.419	ppbv	
14) Bromoethene	3.73	108	741005	9.072	ppbv	98
15) Acetone	3.84	43	1266342	7.530	ppbv	99
16) 1,3-Butadiene	3.32	39	970736	8.601	ppbv	97
17) tert-Butyl alcohol	4.27	59	1470076	9.159	ppbv	99
18) 1,1-Dichloroethene	4.28	96	716521	8.404	ppbv	94
19) Isopropyl Alcohol	3.95	45	915535m	9.355	ppbv	
20) Methylene Chloride	4.33	84	642407m	7.225	ppbv	
21) Allyl Chloride	4.40	41	1235453m	9.376	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	708048	8.854	ppbv	96
23) Vinyl Acetate	5.06	43	2389882	9.262	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1579958	7.883	ppbv	100
25) Ethyl Acetate	5.66	43	3787402	9.450	ppbv	99
26) Hexane	5.67	57	1778353	8.598	ppbv	98
27) Carbon Disulfide	4.54	76	1792584m	10.280	ppbv	
28) Methyl tert-Butyl Ether	5.02	73	1864114	8.422	ppbv	99
29) Chloroform	5.74	83	2567952	8.819	ppbv	100
30) Cyclohexane	7.11	84	1542518	9.056	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1741364	9.741	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2561058	8.715	ppbv	99
34) 2-Butanone	5.23	43	1799686m	9.192	ppbv	
35) Carbon Tetrachloride	7.00	117	2643134	9.038	ppbv	100
36) Benzene	6.87	78	3724779	9.314	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1846840	9.050	ppbv	98
38) Trichloroethene	7.82	130	1438400	8.149	ppbv	97
39) 1,2-Dichloropropane	7.59	63	1430696	9.392	ppbv	99
40) 1,4-Dioxane	7.82	88	371078m	10.010	ppbv	
41) Tetrahydrofuran	6.03	42	905611m	10.072	ppbv	
42) Bromodichloromethane	7.77	83	2808787	9.829	ppbv	99
43) Methyl Methacrylate	8.00	69	1363364	10.059	ppbv	99

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037455.D
 Acq On : 16 Aug 2021 10:27
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:58:53 PM

Quant Time: Aug 16 11:30:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6125466	9.162	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1188475	11.800	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1528328	10.870	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1511782	9.180	ppbv	97
48) Dibromochloromethane	10.28	129	2441622	10.276	ppbv	99
49) Bromoform	13.02	173	1979127	10.993	ppbv	96
50) 4-Methyl-2-Pentanone	8.72	43	2432555	9.876	ppbv	100
51) 2-Hexanone	10.11	43	1140764	9.844	ppbv #	98
52) Tetrachloroethene	11.20	164	1403146	8.329	ppbv	98
53) Toluene	9.78	91	4371063	9.574	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2201369	9.822	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.10	131	1631951	9.866	ppbv	97
57) Chlorobenzene	12.13	112	3158234	9.379	ppbv	97
58) Ethyl Benzene	12.69	91	5474973	9.714	ppbv	98
59) m/p-Xylene	12.97	91	9439020m	19.064	ppbv	
60) o-Xylene	13.67	91	4326227	9.406	ppbv	99
61) Styrene	13.51	104	2526817	10.874	ppbv	99
62) Isopropylbenzene	14.65	105	6095299	9.266	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3150657	9.083	ppbv	99
64) n-propylbenzene	15.54	120	1639816	9.907	ppbv	93
65) tert-Butylbenzene	16.73	119	5490426	9.256	ppbv	99
66) Benzyl Chloride	16.97	91	311359	11.471	ppbv	96
67) sec-Butylbenzene	17.27	105	7632493	9.456	ppbv	100
69) p-Isopropyltoluene	17.63	119	6433184	9.711	ppbv	99
70) n-Butylbenzene	18.53	91	6351870	10.316	ppbv	100
71) 2-Chlorotoluene	15.43	91	4530521	9.738	ppbv	99
72) 4-Ethyltoluene	15.82	105	5356273	10.032	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	4824497	9.558	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	5040472	9.754	ppbv #	90
75) 1,3-Dichlorobenzene	16.97	146	3022035	9.555	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	3133951m	9.995	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	3015168	9.909	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2284455	9.268	ppbv	99
79) Naphthalene	22.16	128	3973118	14.146	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1368464	23.068	ppbv	94
81) 1,2,4-Trichlorobenzene	21.90	180	2333585	12.228	ppbv	99

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

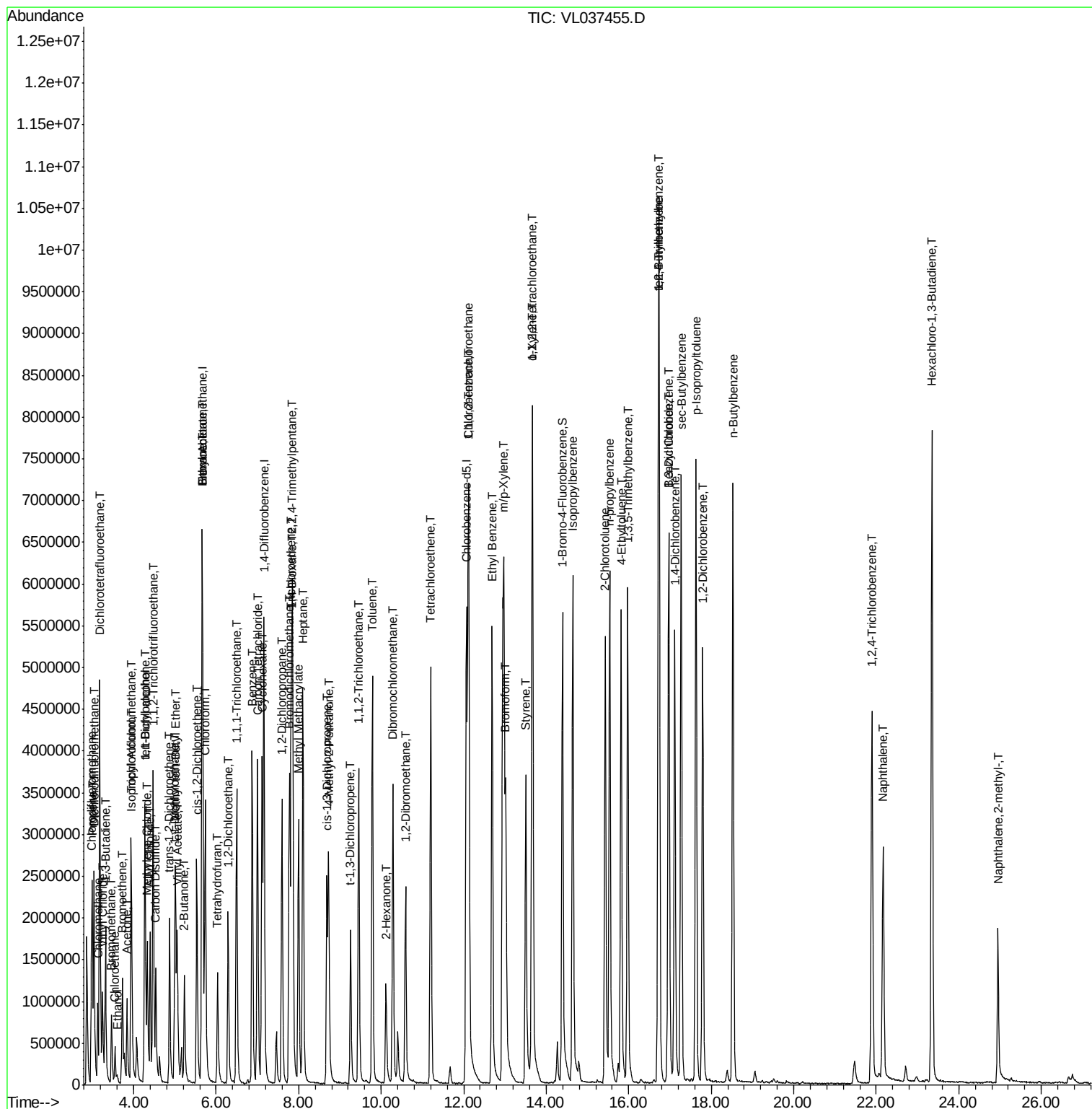
Data Path : Y:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081621\
Data File : VL037455.D
Acq On : 16 Aug 2021 10:27
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

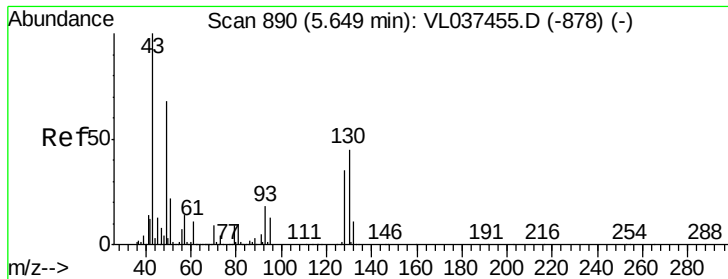
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

MMDadoda
8/19/2021 5:58:53 PM

Quant Time: Aug 16 11:30:59 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1585666

Ion Ratio Lower Upper

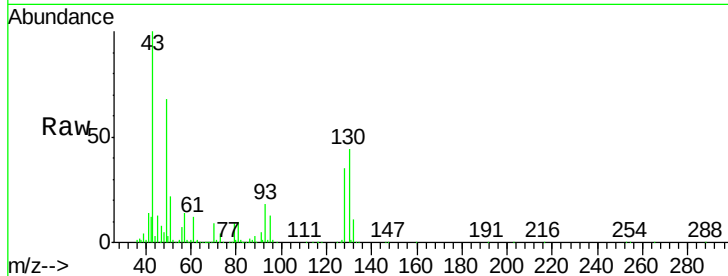
49 100

128 54.9 27.9 83.6

130 67.9 34.6 103.8

Manual Integrations
APPROVED

MMDadoda
8/19/2021 5:58:53 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

5.65

800000

600000

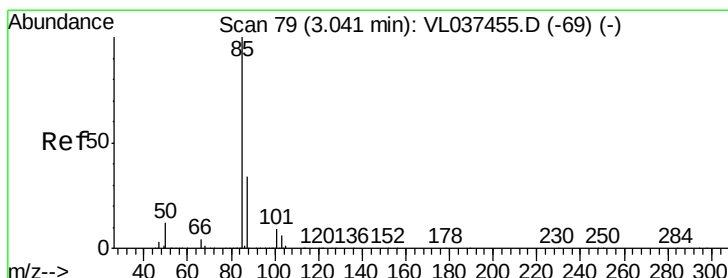
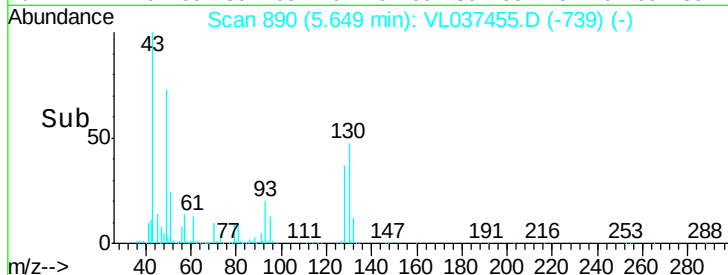
400000

200000

0

5.60 5.65 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 8.940 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037455.D

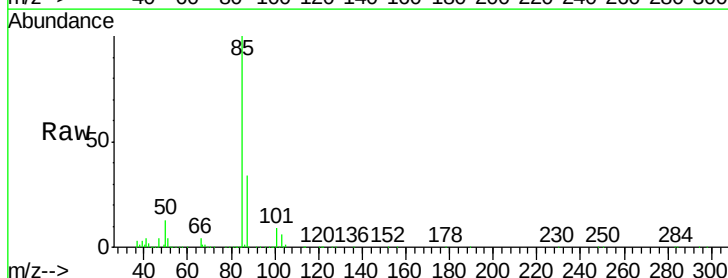
Acq: 16 Aug 2021 10:27

Tgt Ion: 85 Resp: 2165835

Ion Ratio Lower Upper

85 100

87 34.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1500000

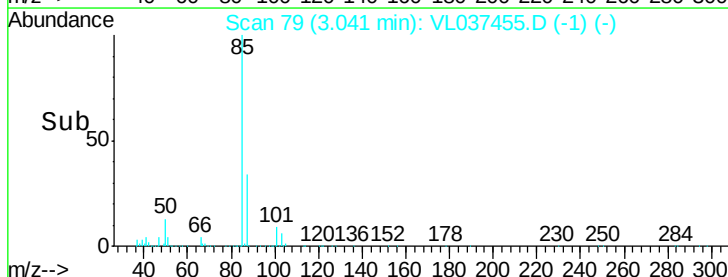
1000000

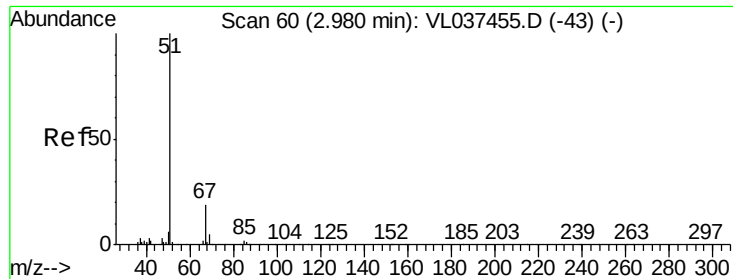
500000

0

3.00 3.05 3.10

Time-->





#3

Chlorodifluoromethane

Concen: 8.653 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 2694283

Ion Ratio Lower Upper

51 100

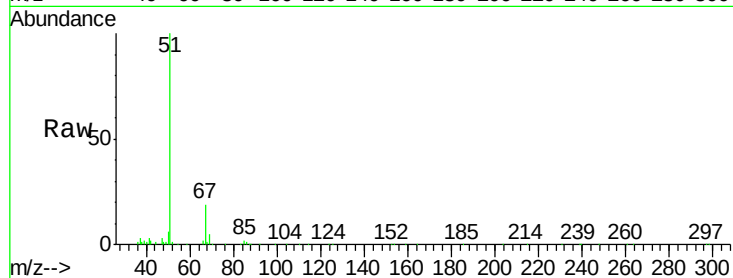
67 17.7 14.7 22.1

Manual Integrations

APPROVED

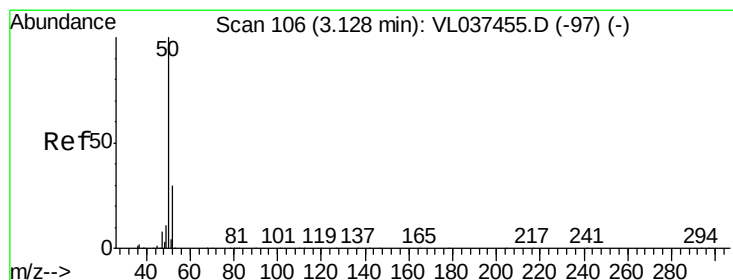
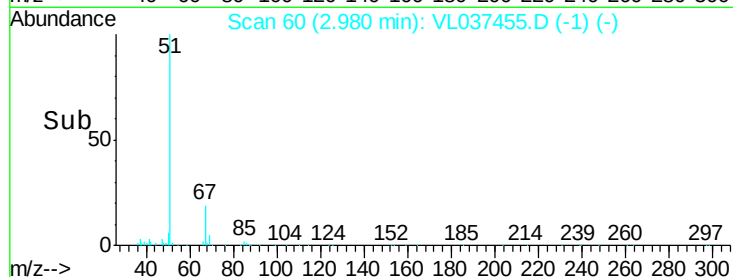
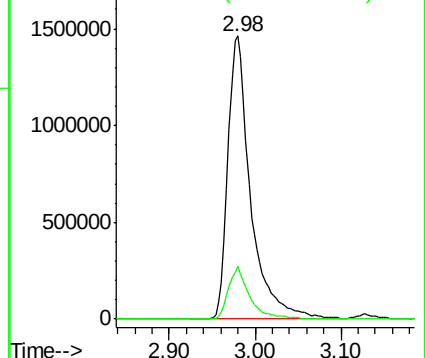
MMDadoda

8/19/2021 5:58:53 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.311 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL037455.D

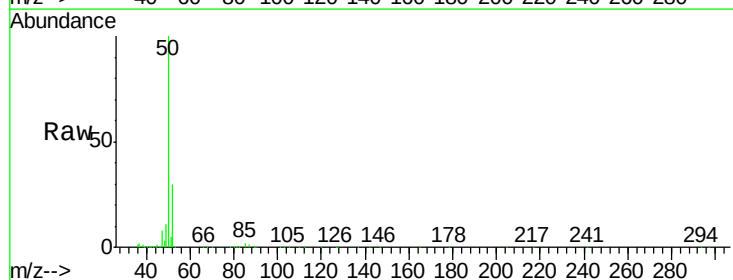
Acq: 16 Aug 2021 10:27

Tgt Ion: 50 Resp: 1042201

Ion Ratio Lower Upper

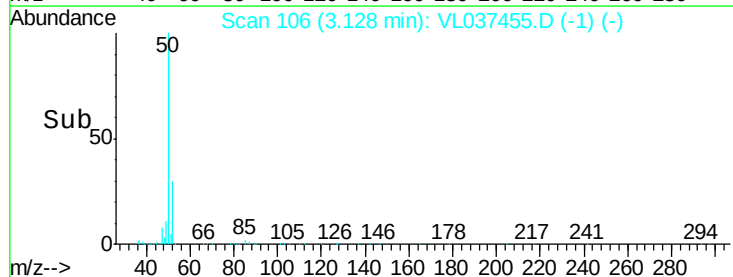
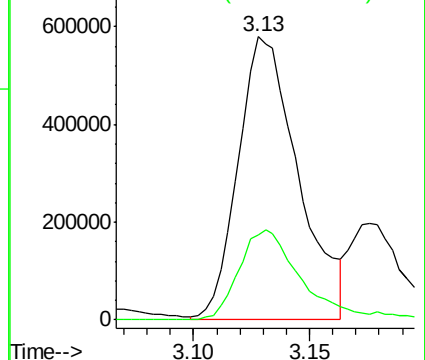
50 100

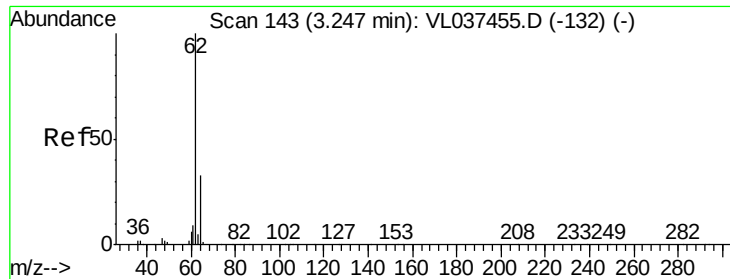
52 30.0 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.051 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 992929

Ion Ratio Lower Upper

62 100

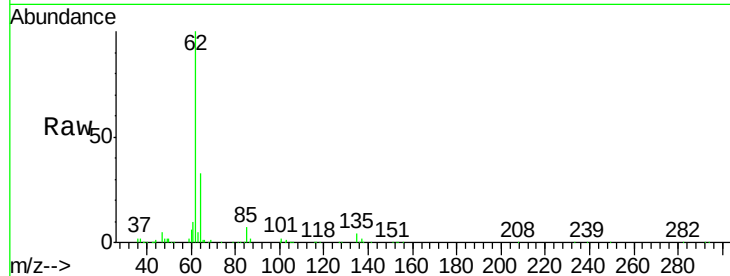
64 33.1 25.0 37.6

Manual Integrations

APPROVED

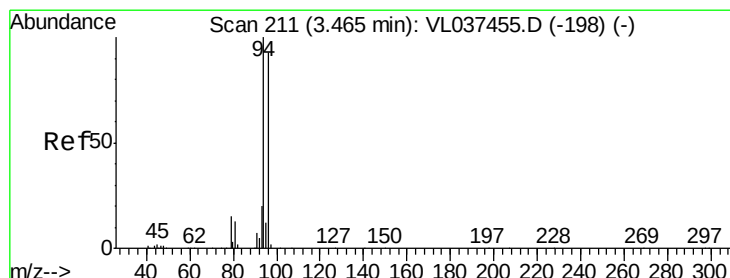
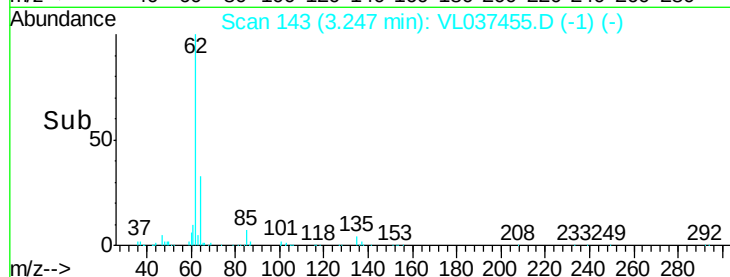
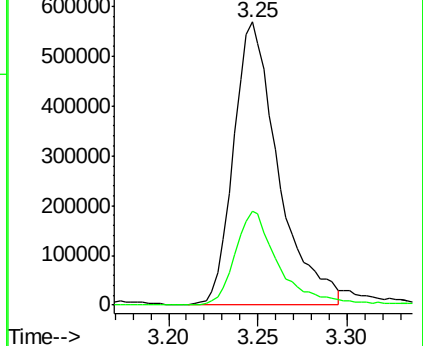
MMDadoda

8/19/2021 5:58:53 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.666 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL037455.D

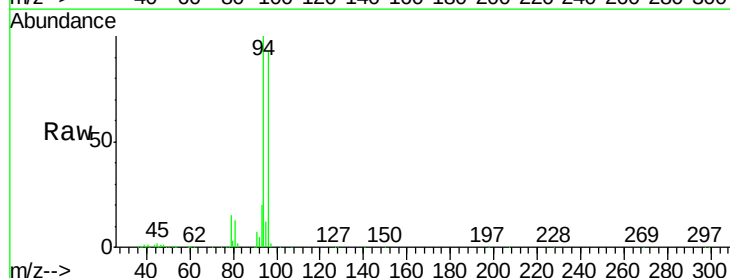
Acq: 16 Aug 2021 10:27

Tgt Ion: 94 Resp: 554219

Ion Ratio Lower Upper

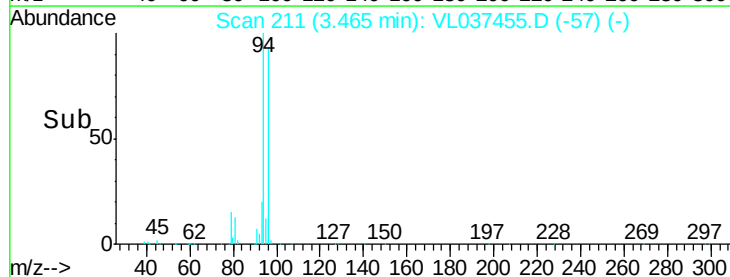
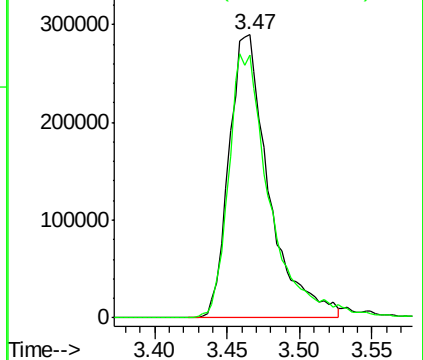
94 100

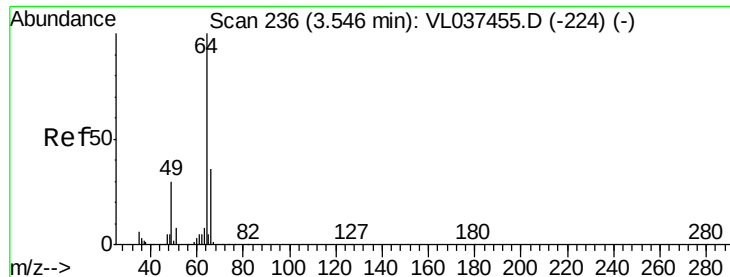
96 93.1 72.2 108.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.609 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 350573

Ion Ratio Lower Upper

64 100

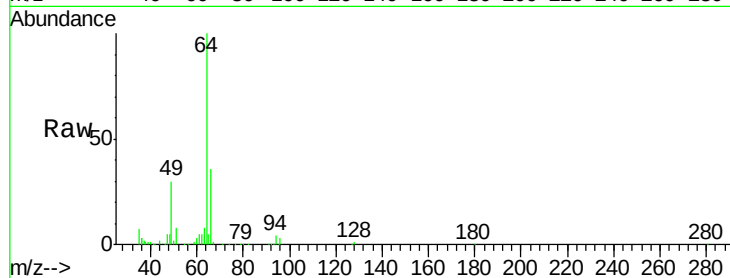
66 35.8 27.8 41.8

Manual Integrations

APPROVED

MMDadoda

8/19/2021 5:58:53 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

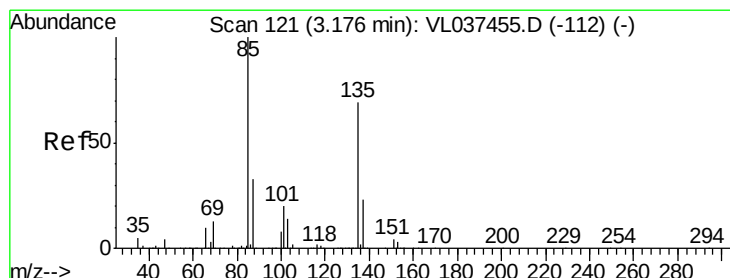
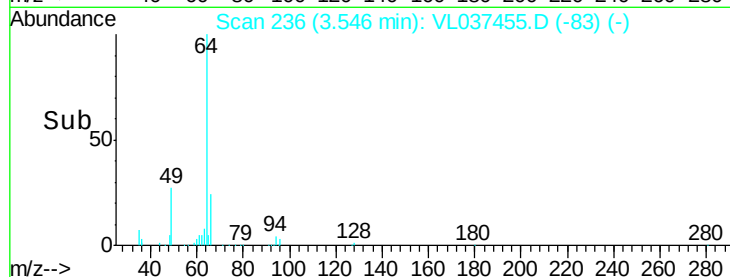
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.637 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037455.D

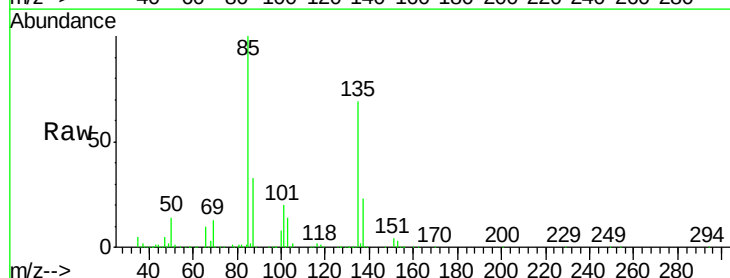
Acq: 16 Aug 2021 10:27

Tgt Ion: 85 Resp: 2335151

Ion Ratio Lower Upper

85 100

135 73.5 58.6 88.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

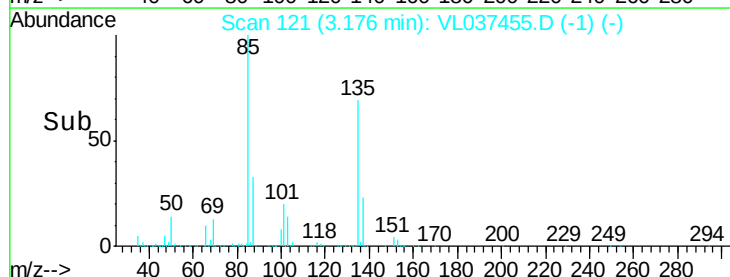
1500000

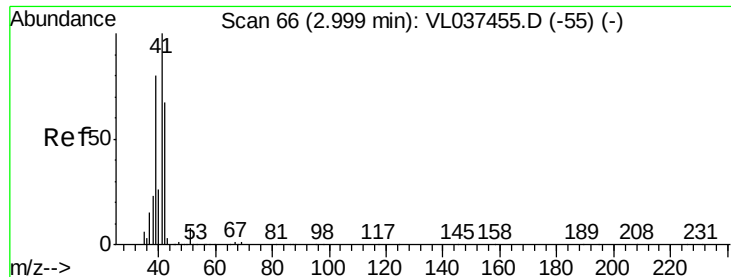
1000000

500000

0

Time-->





#9

Propene

Concen: 9.340 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 976612

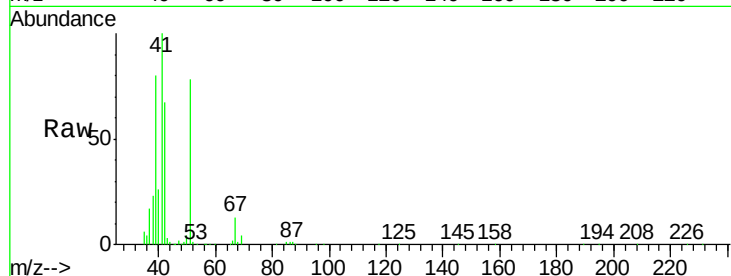
Ion Ratio Lower Upper

41 100

42 67.1 53.8 80.8

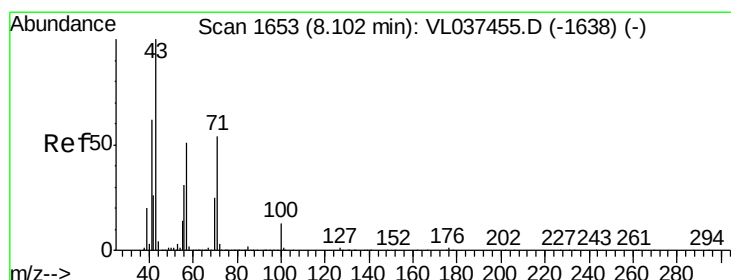
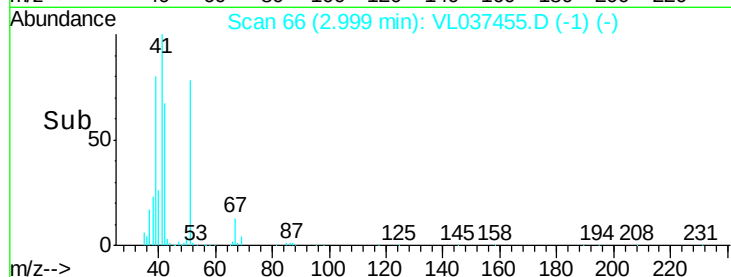
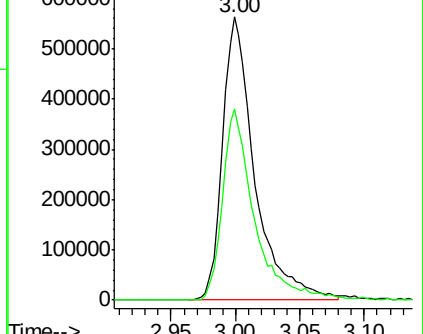
Manual Integrations
APPROVED

MMDadoda
8/19/2021 5:58:53 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.328 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.02 min

Lab File: VL037455.D

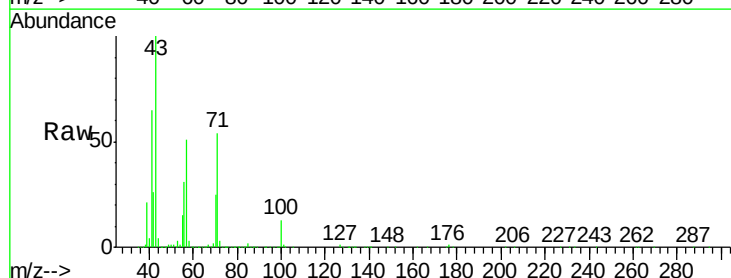
Acq: 16 Aug 2021 10:27

Tgt Ion: 43 Resp: 2371719

Ion Ratio Lower Upper

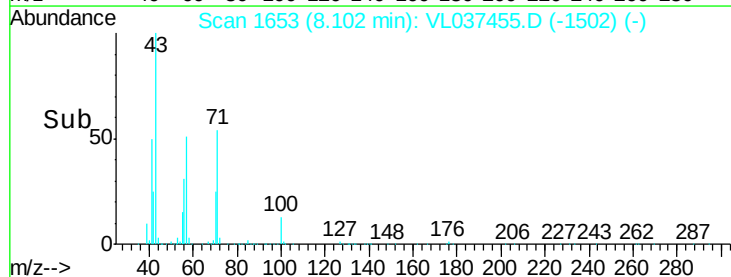
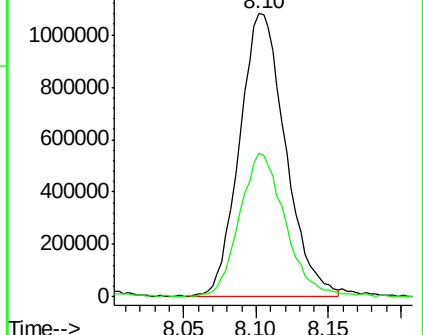
43 100

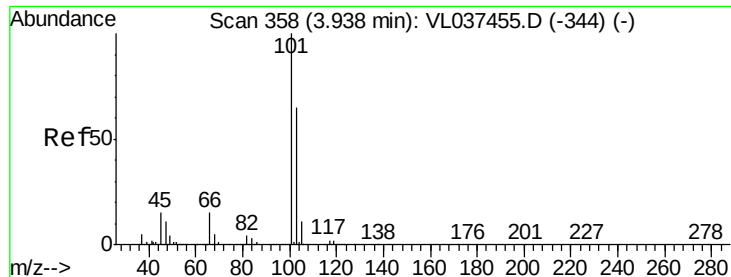
57 51.3 40.3 60.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





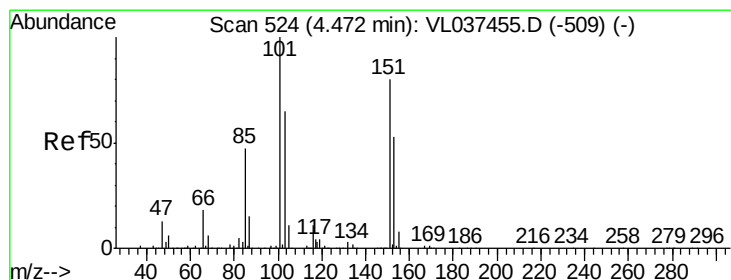
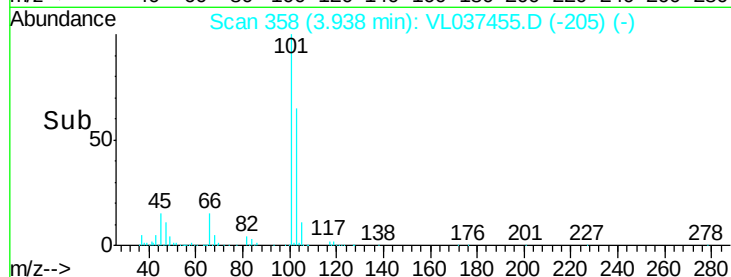
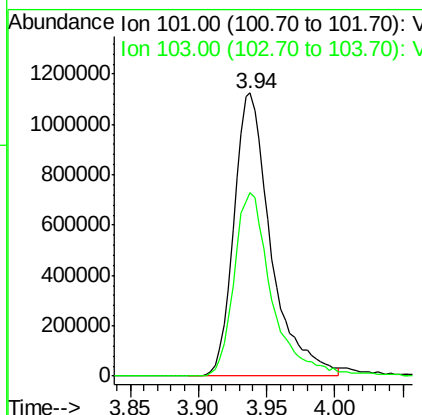
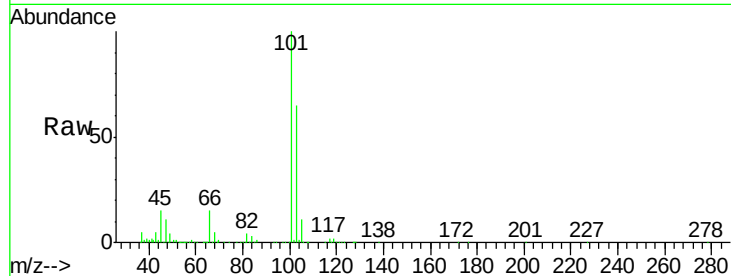
#11
 Trichlorofluoromethane
 Concen: 8.084 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2119063
 Ion Ratio Lower Upper
 101 100
 103 64.7 50.2 75.4

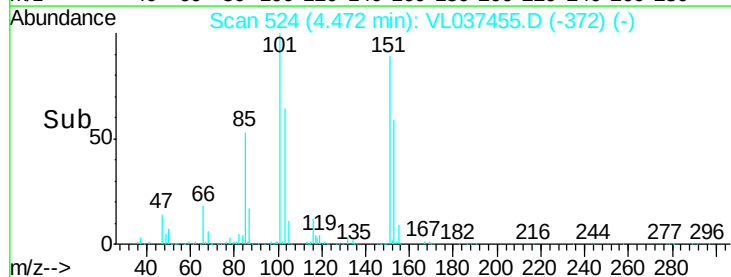
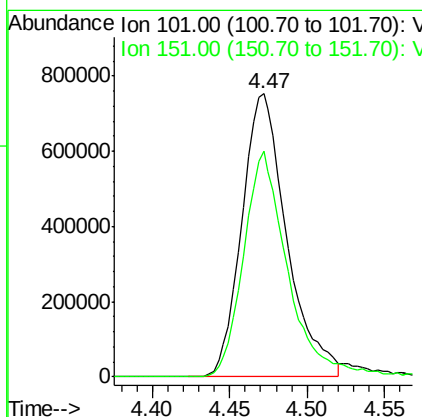
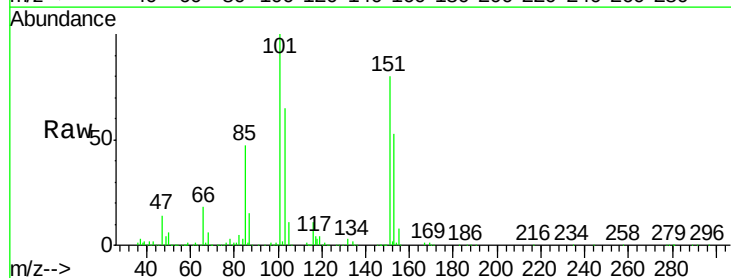
Manual Integrations
 APPROVED

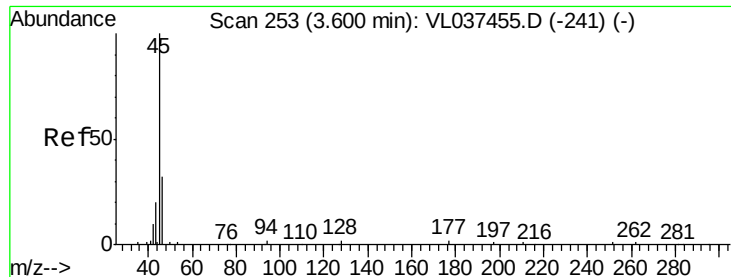
MMDadoda
 8/19/2021 5:58:53 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.277 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion:101 Resp: 1519915
 Ion Ratio Lower Upper
 101 100
 151 79.6 61.2 91.8





#13

Ethanol

Concen: 10.419 ppbv m

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 116267

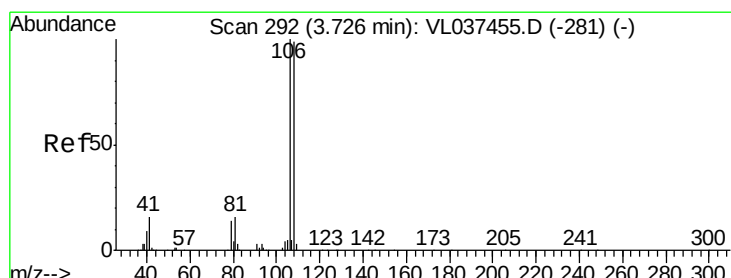
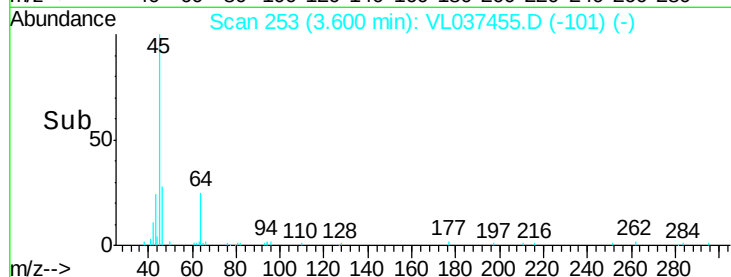
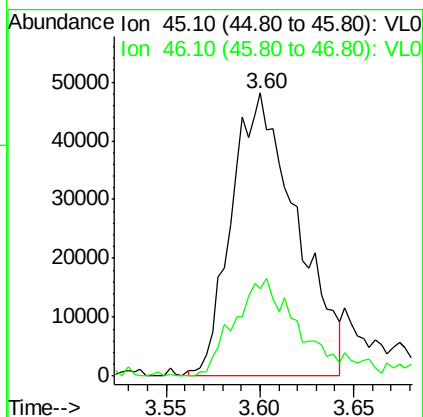
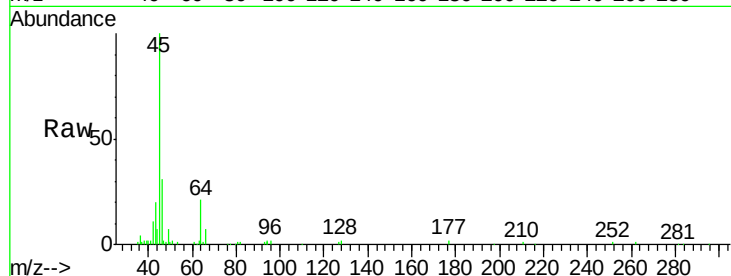
Ion Ratio Lower Upper

45 100

46 35.3 18.0 72.2

Manual Integrations
APPROVED

MMDadoda
8/19/2021 5:58:53 PM



#14

Bromoethene

Concen: 9.072 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

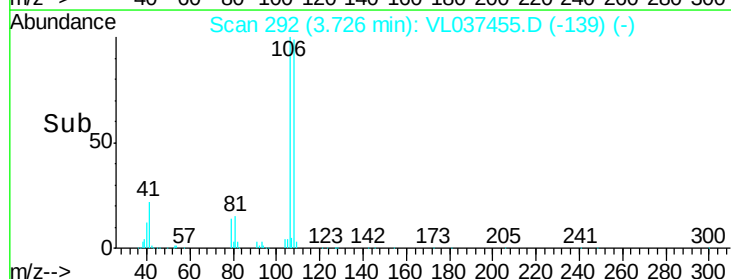
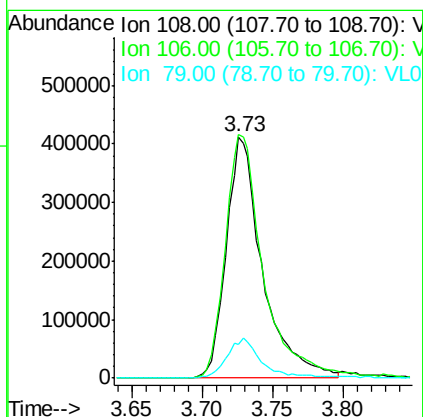
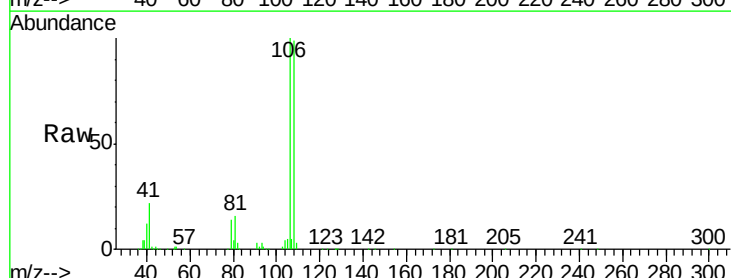
Tgt Ion: 108 Resp: 741005

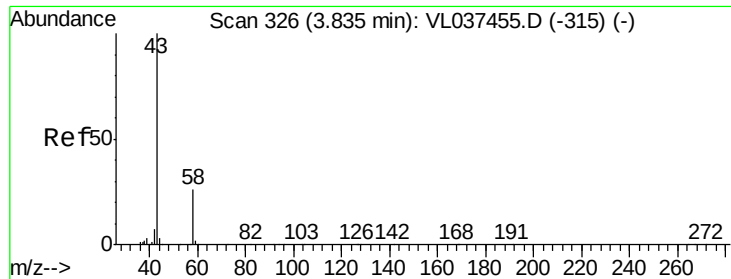
Ion Ratio Lower Upper

108 100

106 107.3 87.5 131.3

79 15.7 13.5 20.3





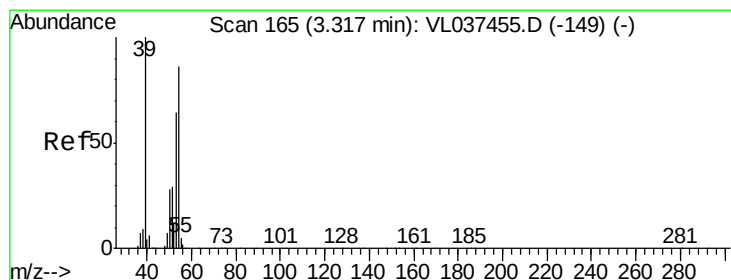
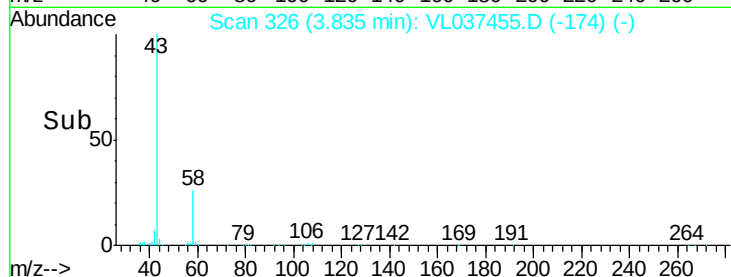
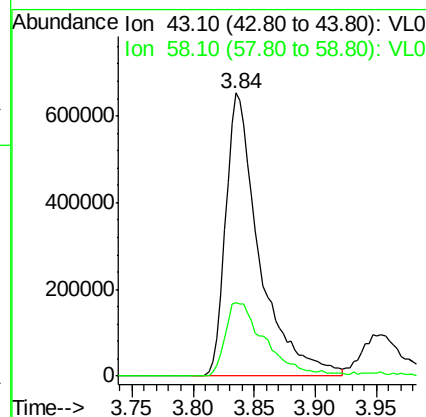
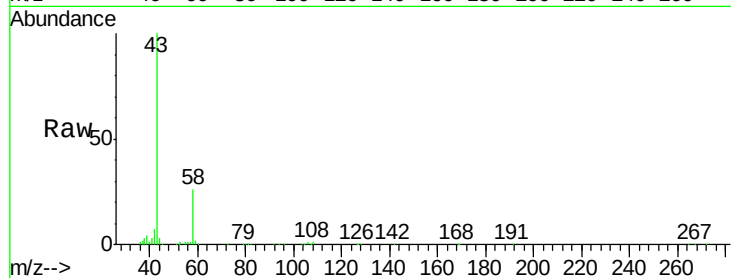
#15
Acetone
Concen: 7.530 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.01 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1266342
Ion Ratio Lower Upper
43 100
58 31.0 24.4 36.6

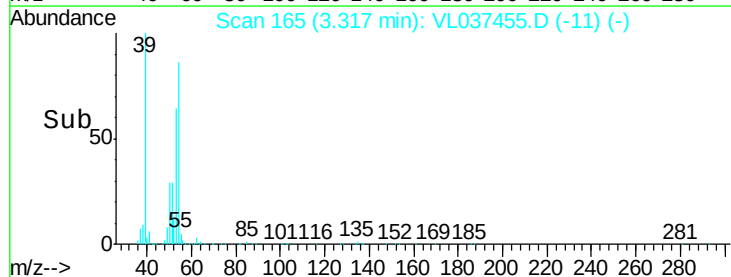
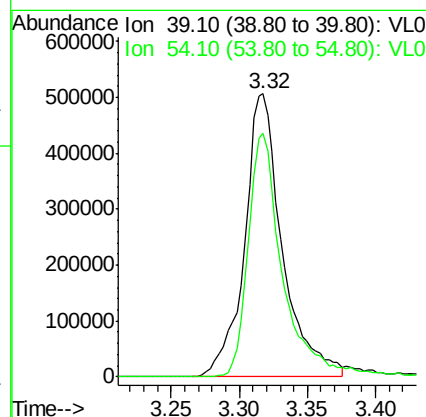
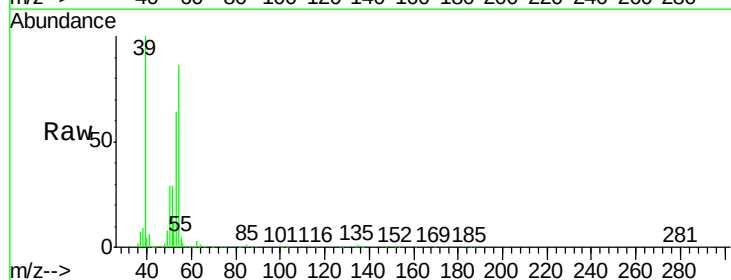
Manual Integrations
APPROVED

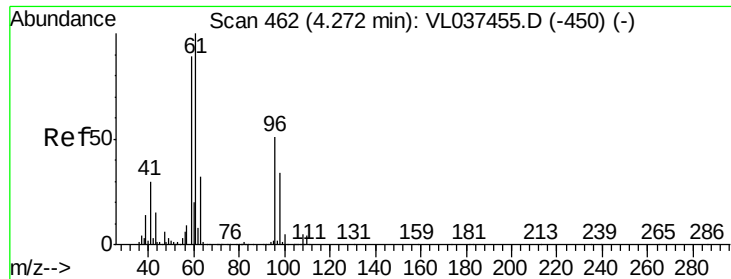
MMDadoda
8/19/2021 5:58:53 PM



#16
1,3-Butadiene
Concen: 8.601 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Tgt Ion: 39 Resp: 970736
Ion Ratio Lower Upper
39 100
54 79.6 61.4 92.0





#17

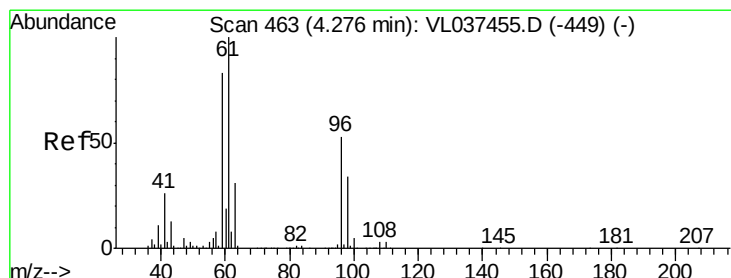
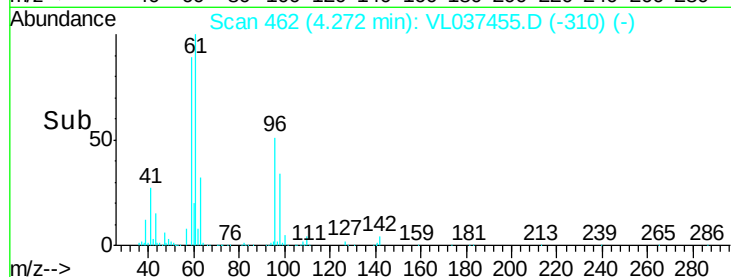
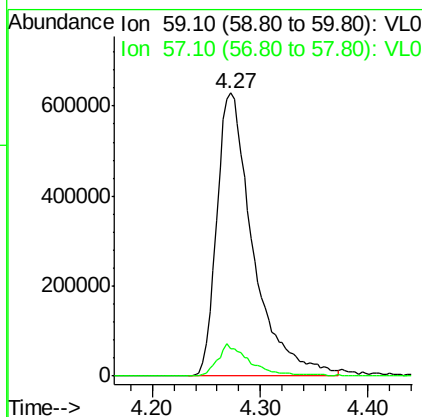
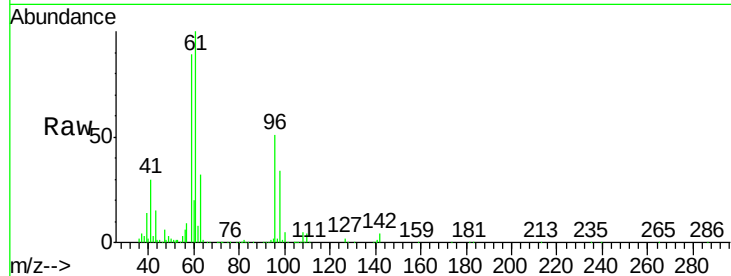
tert-Butyl alcohol
Concen: 9.159 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1470076
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

Manual Integrations
APPROVED

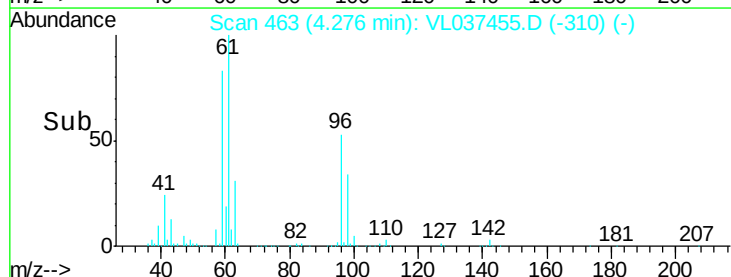
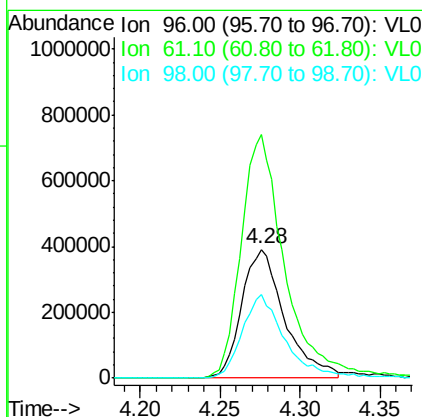
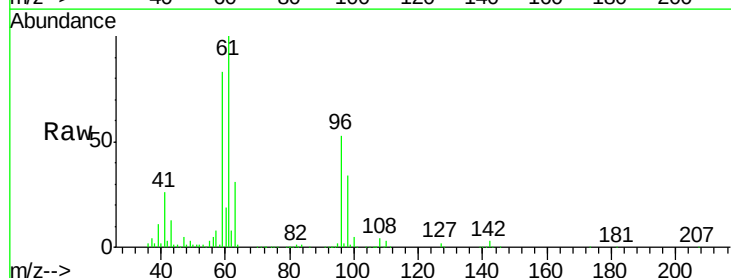
MMDadoda
8/19/2021 5:58:53 PM

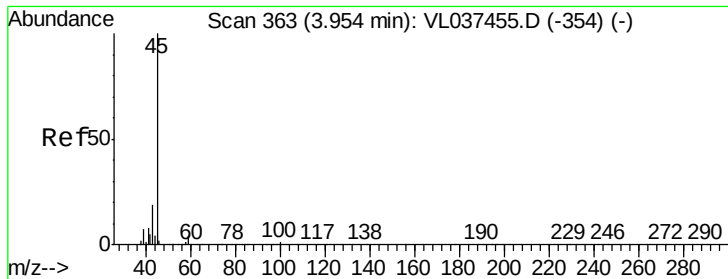


#18

1,1-Dichloroethene
Concen: 8.404 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Tgt Ion: 96 Resp: 716521
Ion Ratio Lower Upper
96 100
61 188.9 159.0 238.4
98 64.8 49.4 74.2





#19

Isopropyl Alcohol

Concen: 9.355 ppbv m

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 915535

Ion Ratio Lower Upper

45 100

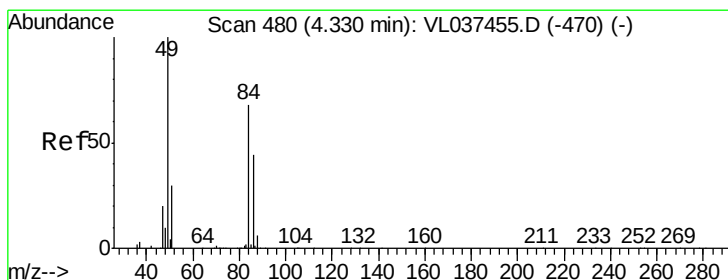
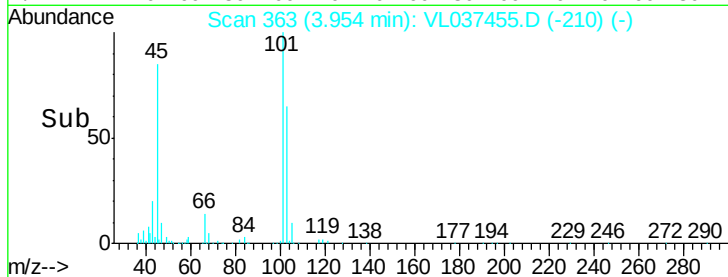
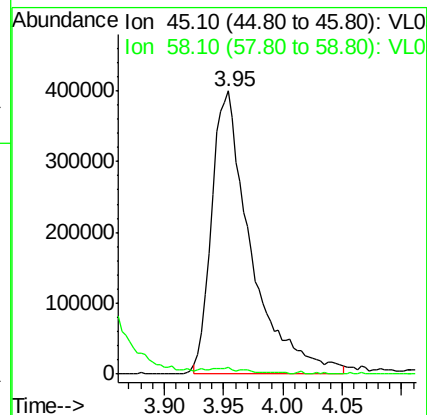
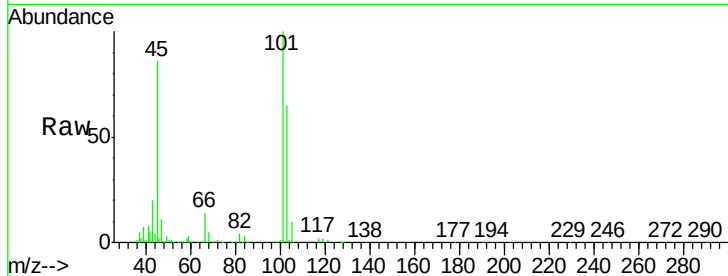
58 1.8 2.2 3.4#

Manual Integrations

APPROVED

MMDadoda

8/19/2021 5:58:53 PM



#20

Methylene Chloride

Concen: 7.225 ppbv m

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Tgt Ion: 84 Resp: 642407

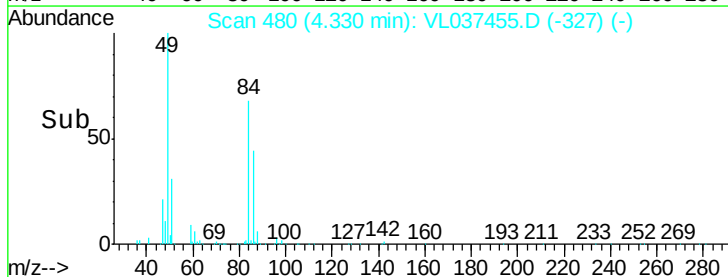
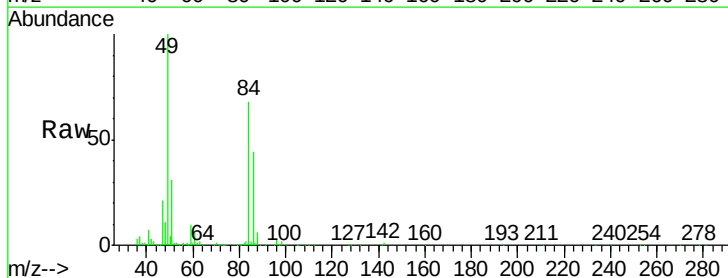
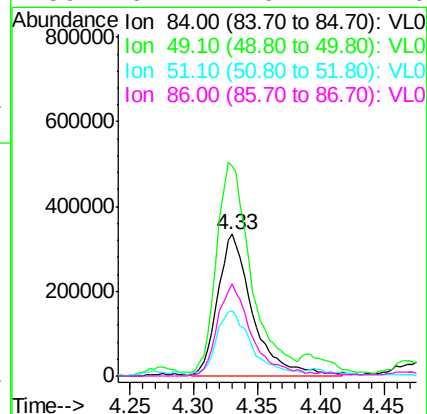
Ion Ratio Lower Upper

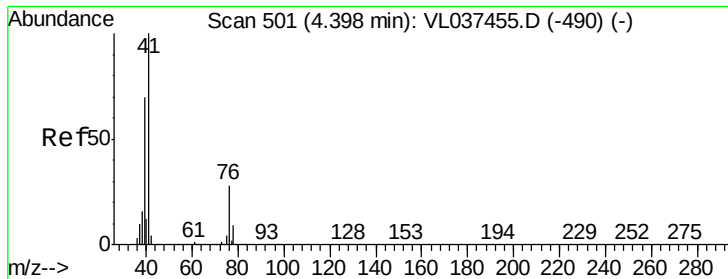
84 100

49 147.7 116.0 174.0

51 45.8 37.1 55.7

86 64.7 49.4 74.0





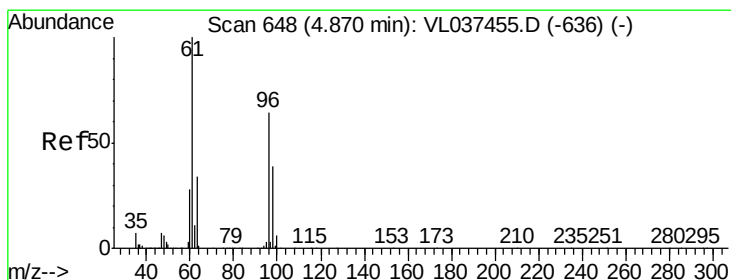
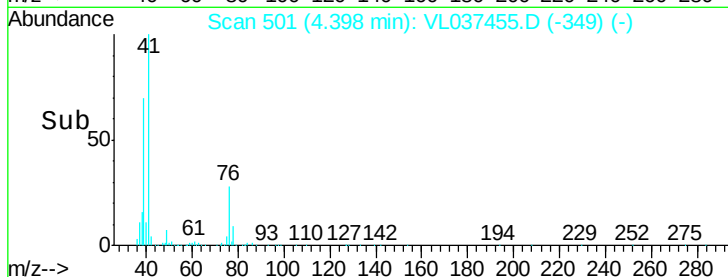
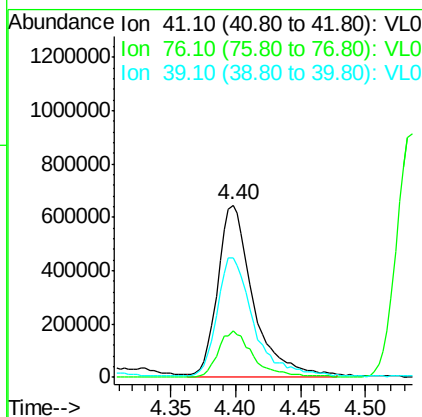
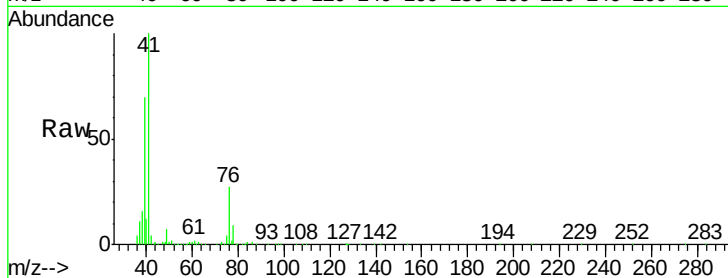
#21
 Allvl Chloride
 Concen: 9.376 ppbv m
 RT: 4.40 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.2	23.7	35.5
39	71.0	62.3	93.5

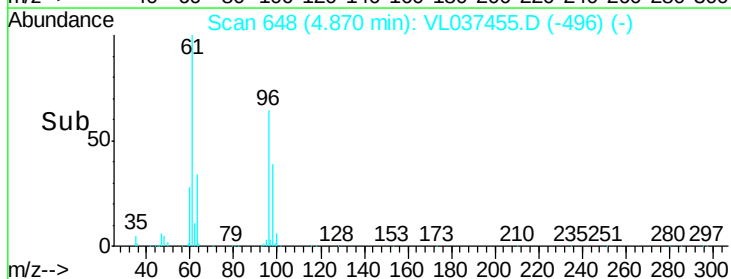
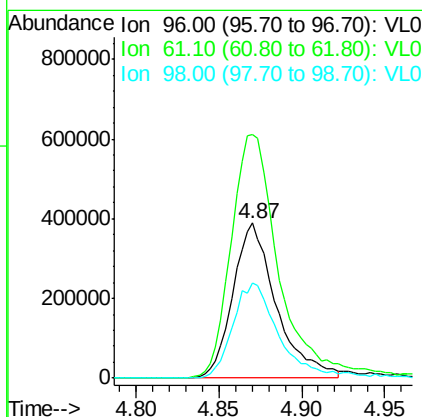
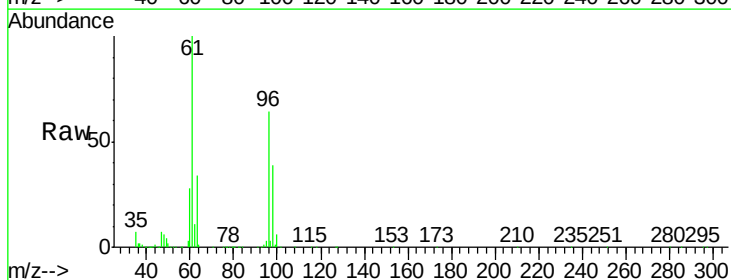
Manual Integrations
 APPROVED

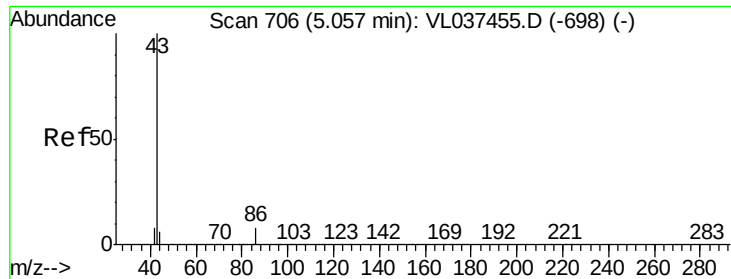
MMDadoda
 8/19/2021 5:58:53 PM



#22
 trans-1,2-Dichloroethene
 Concen: 8.854 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	131.0	196.4
98	61.2	50.2	75.4





#23

Vinyl Acetate

Concen: 9.262 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2389882

Ion Ratio Lower Upper

43 100

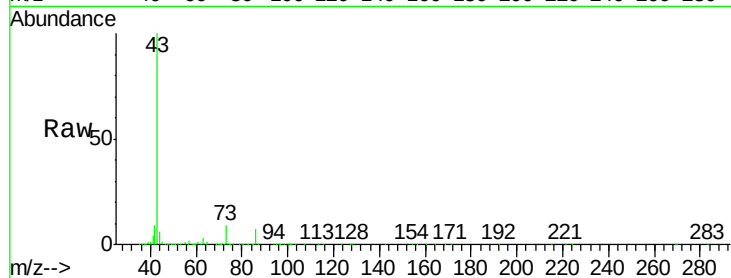
86 7.1 5.8 8.8

42 9.3 7.7 11.5

44 5.4 4.0 6.0

Manual Integrations
APPROVED

MMDadoda
8/19/2021 5:58:53 PM

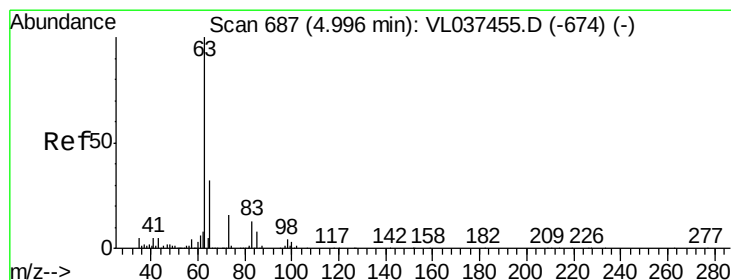
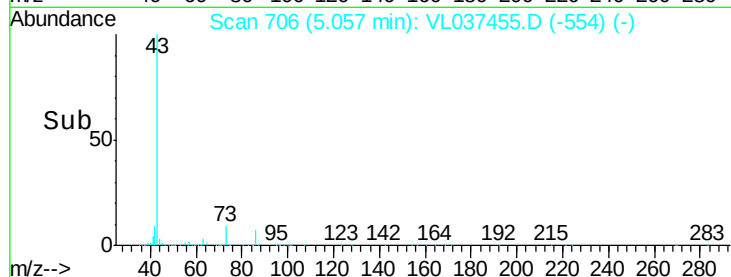
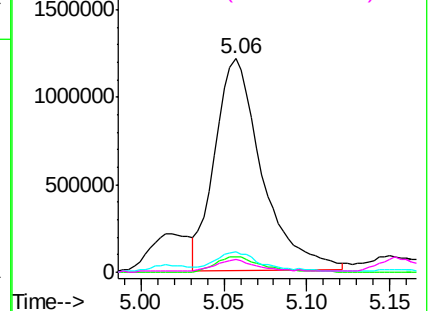


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 7.883 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.02 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

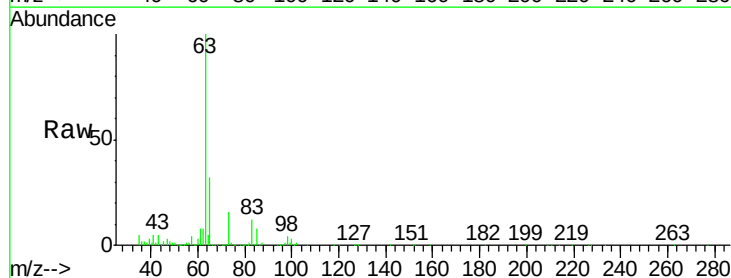
Tgt Ion: 63 Resp: 1579958

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.3

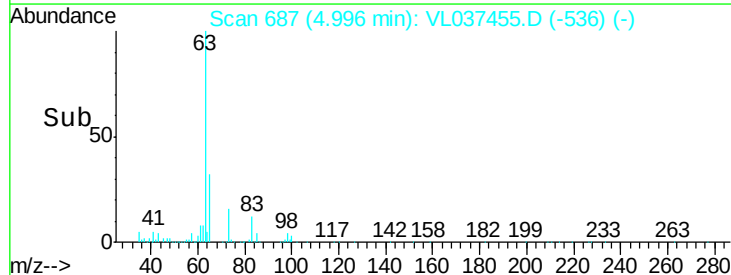
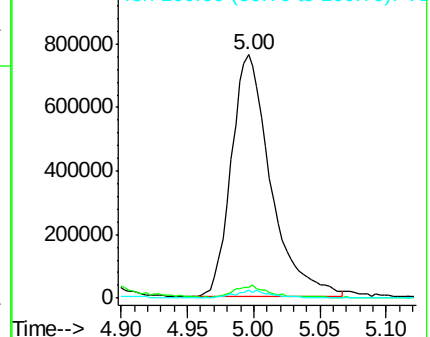
100 3.1 1.6 4.7

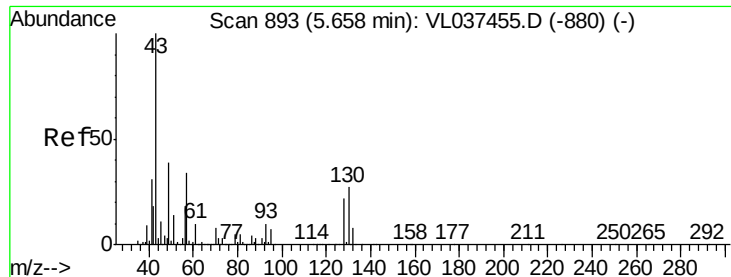


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.450 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 3787402

Ion Ratio Lower Upper

43 100

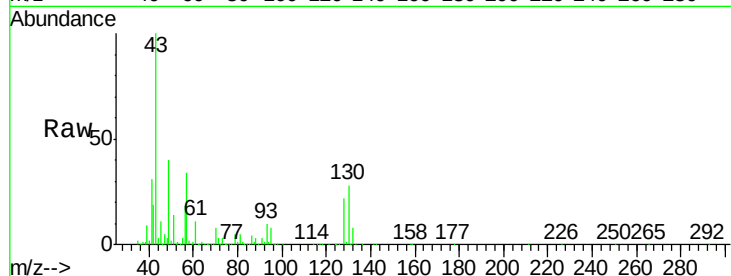
45 10.0 7.9 11.9

61 10.0 7.7 11.5

70 7.0 5.8 8.6

Manual Integrations
APPROVED

MMDadoda
8/19/2021 5:58:53 PM

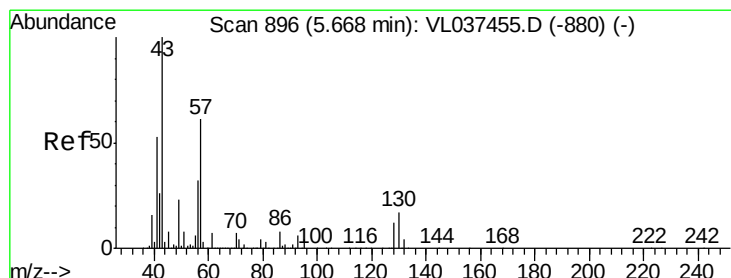
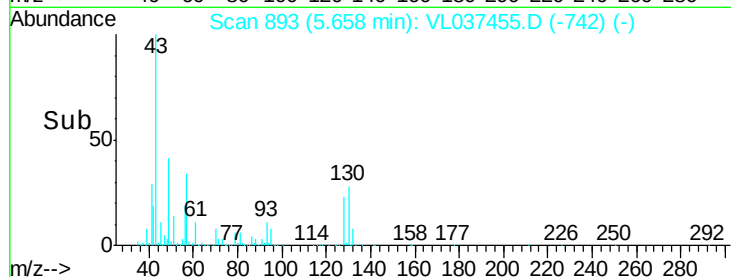
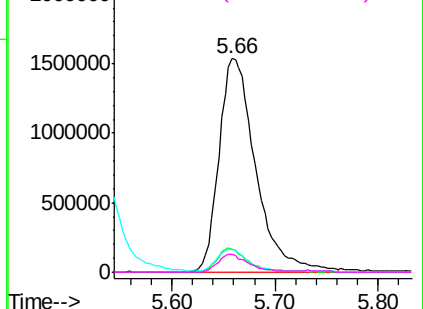


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.598 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Tgt Ion: 57 Resp: 1778353

Ion Ratio Lower Upper

57 100

41 90.4 72.5 108.7

43 215.4 169.3 253.9

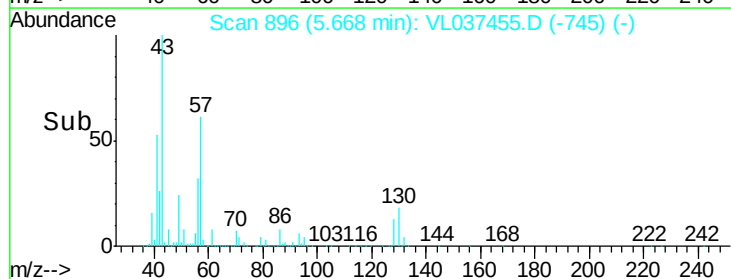
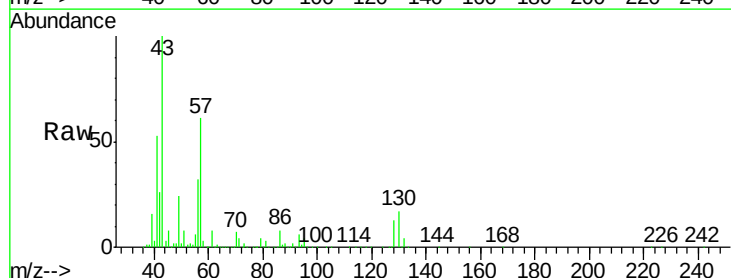
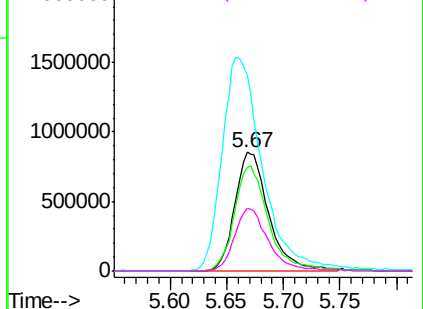
56 53.5 42.3 63.5

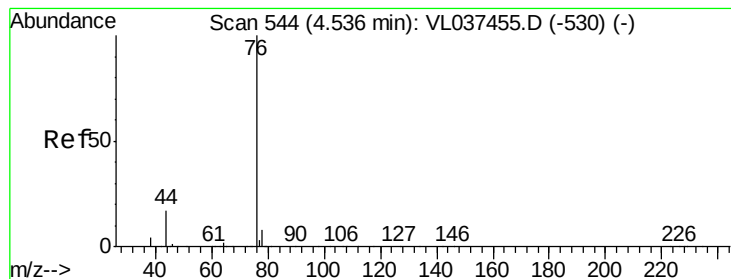
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.280 ppbv m

RT: 4.54 min Scan# 544

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1792584

Ion Ratio Lower Upper

76 100

44 17.4 14.4 21.6

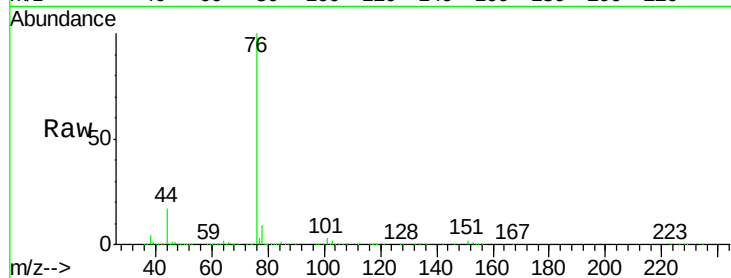
78 9.9 8.0 12.0

Manual Integrations

APPROVED

MMDadoda

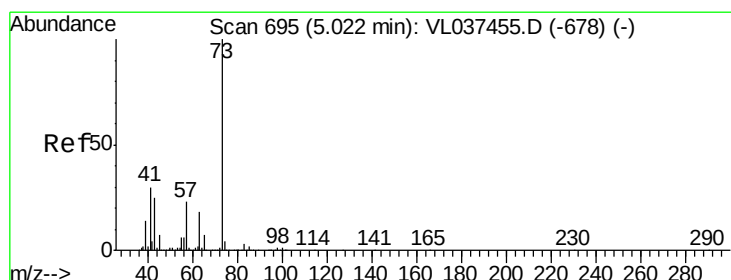
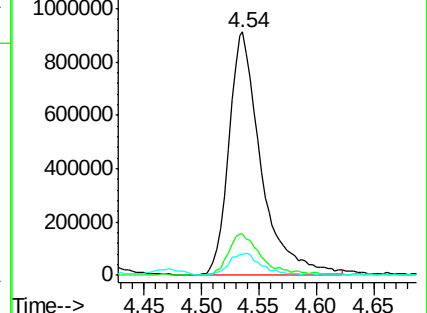
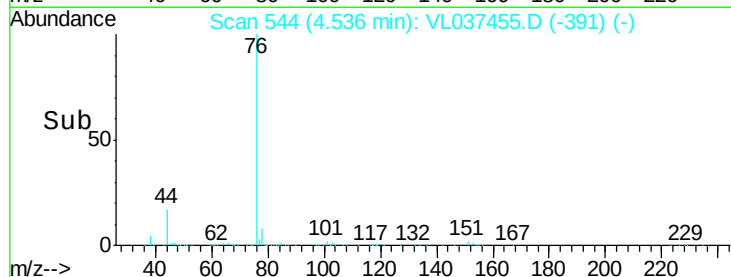
8/19/2021 5:58:53 PM



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: 8.422 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL037455.D

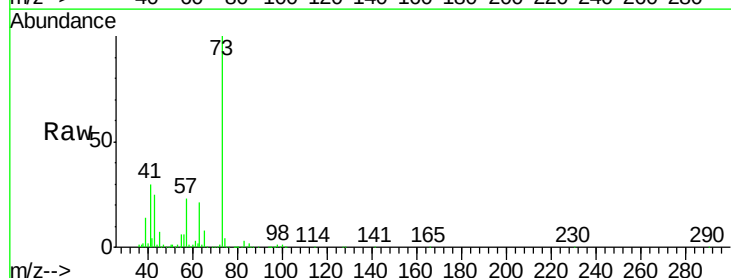
Acq: 16 Aug 2021 10:27

Tgt Ion: 73 Resp: 1864114

Ion Ratio Lower Upper

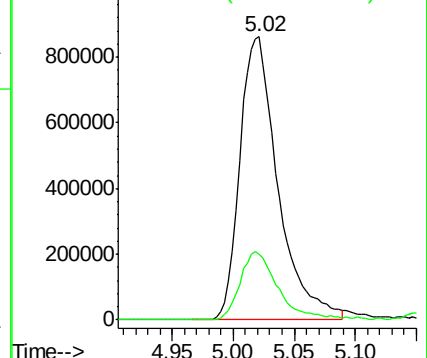
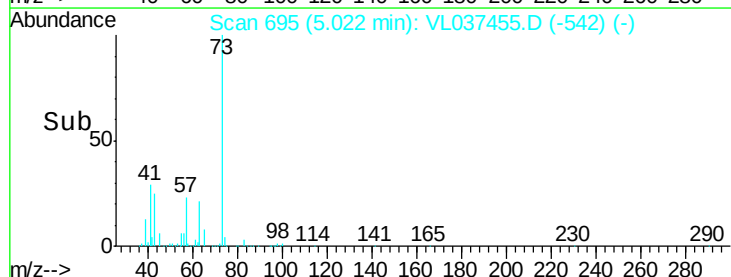
73 100

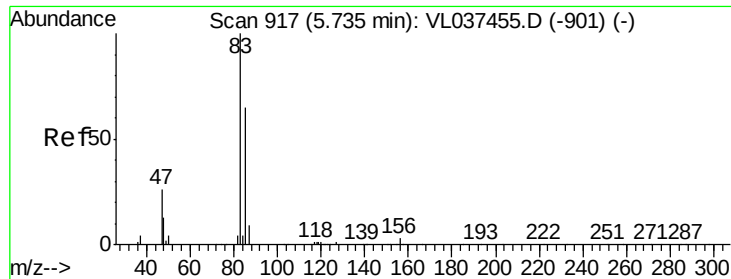
57 24.3 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





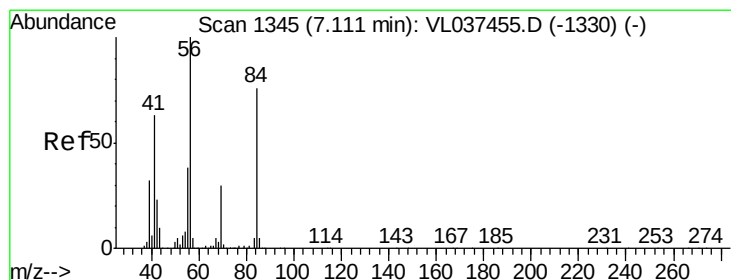
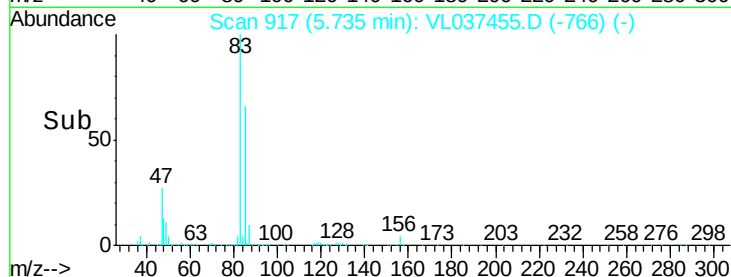
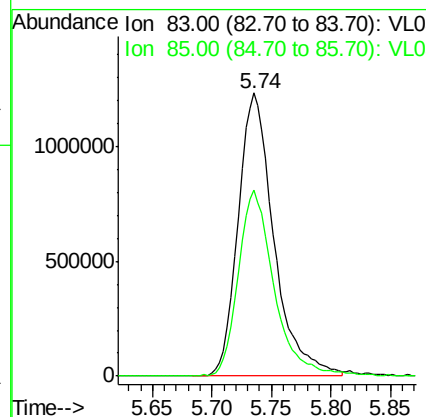
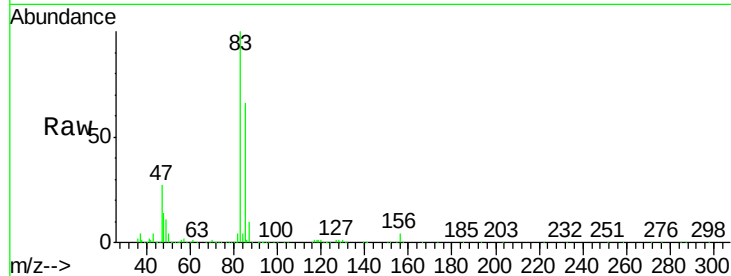
#29
Chloroform
Concen: 8.819 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2567952
Ion Ratio Lower Upper
83 100
85 65.4 52.4 78.6

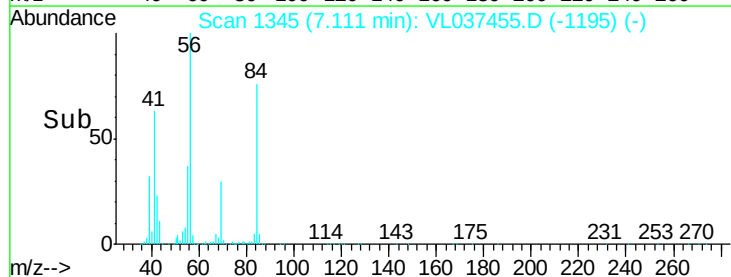
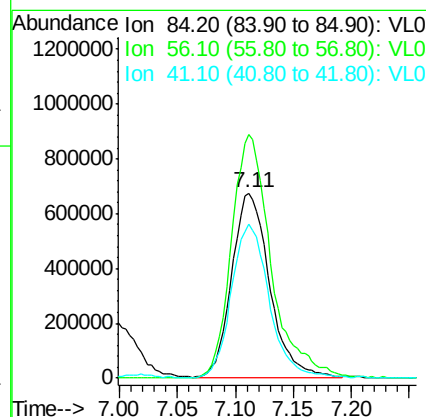
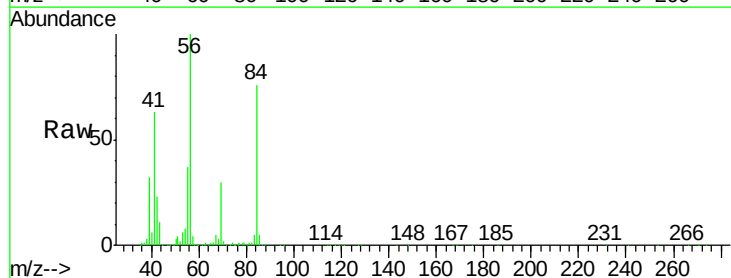
Manual Integrations
APPROVED

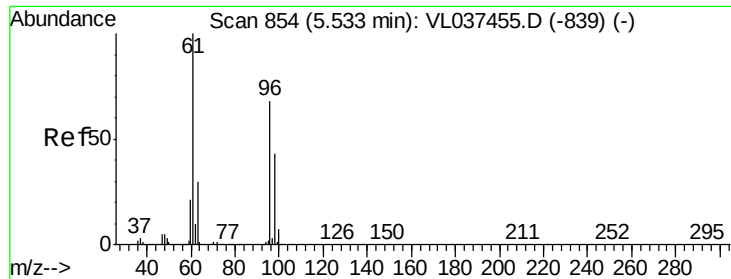
MMDadoda
8/19/2021 5:58:53 PM



#30
Cyclohexane
Concen: 9.056 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.02 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Tgt Ion: 84 Resp: 1542518
Ion Ratio Lower Upper
84 100
56 138.2 109.6 164.4
41 83.8 66.6 99.8





#31

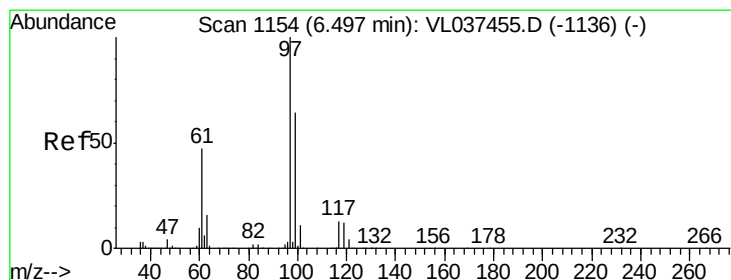
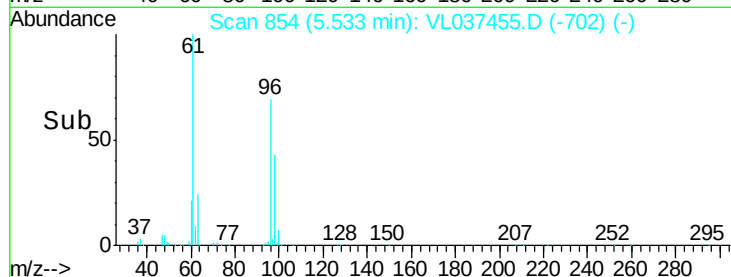
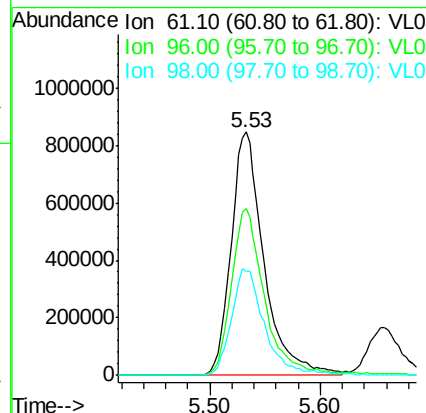
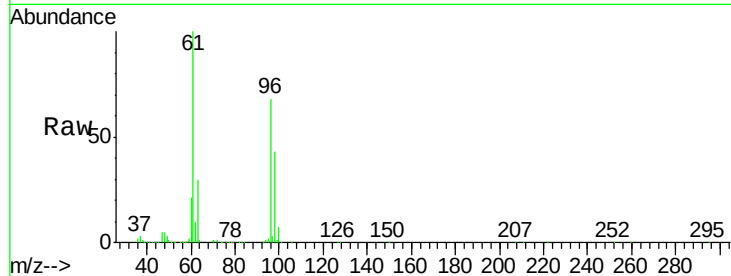
cis-1,2-Dichloroethene
Concen: 9.741 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.01 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.5	55.5	83.3
98	42.7	33.1	49.7

Manual Integrations
APPROVED

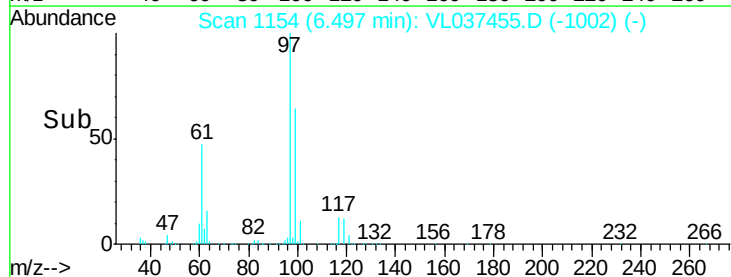
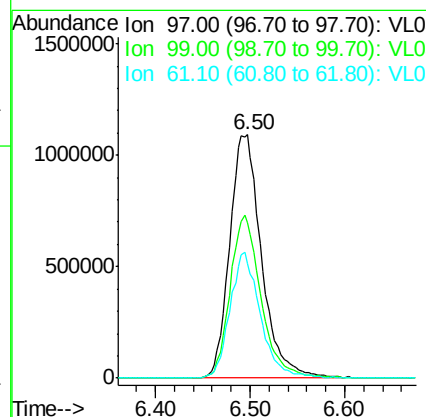
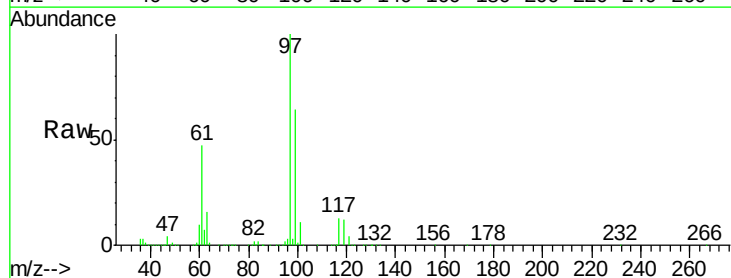
MMDadoda
8/19/2021 5:58:53 PM

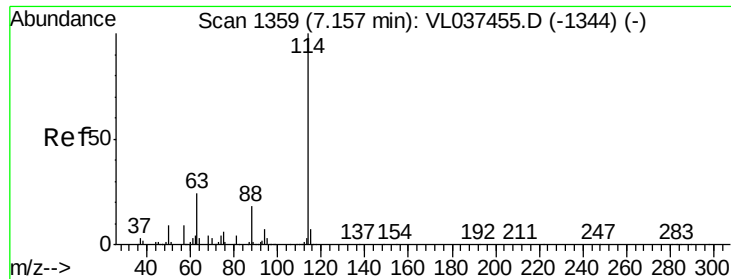


#32

1,1,1-Trichloroethane
Concen: 8.715 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	49.5	40.1	60.1





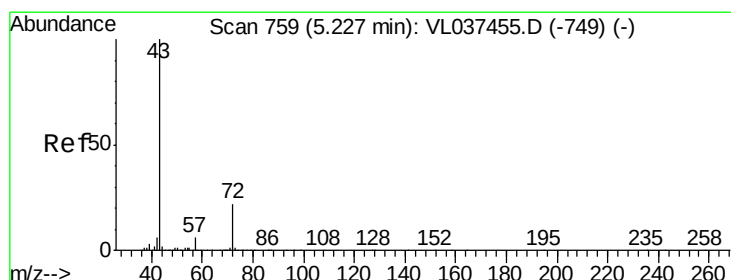
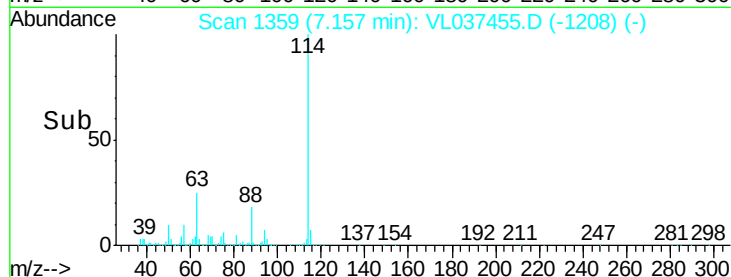
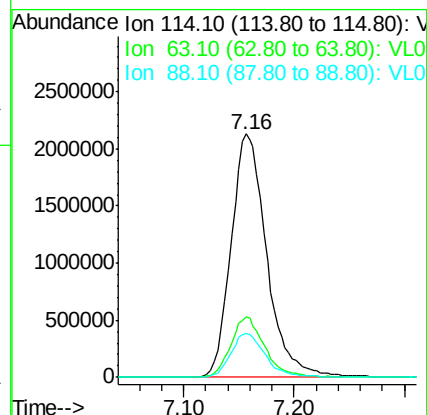
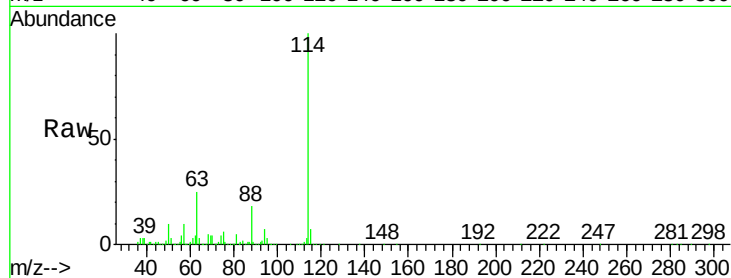
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:114 Resp: 4742489
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.4 29.2
 88 17.8 14.2 21.4

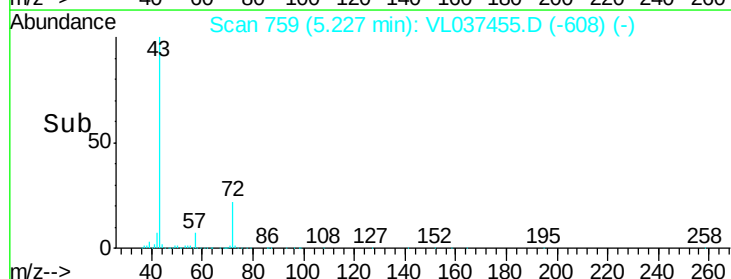
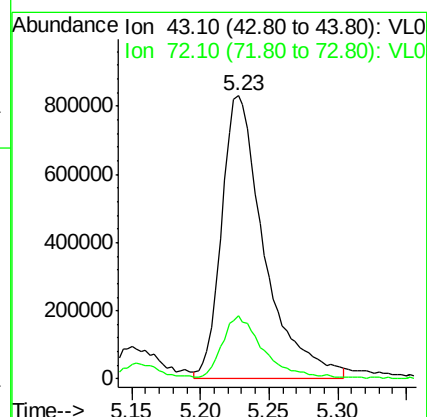
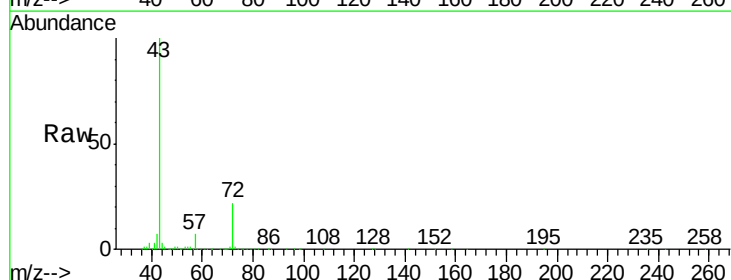
Manual Integrations
 APPROVED

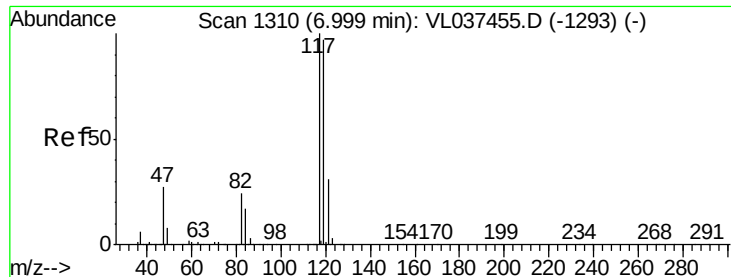
MMDadoda
 8/19/2021 5:58:53 PM



#34
 2-Butanone
 Concen: 9.192 ppbv m
 RT: 5.23 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion: 43 Resp: 1799686
 Ion Ratio Lower Upper
 43 100
 72 21.7 17.7 26.5





#35

Carbon Tetrachloride

Concen: 9.038 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2643134

Ion Ratio Lower Upper

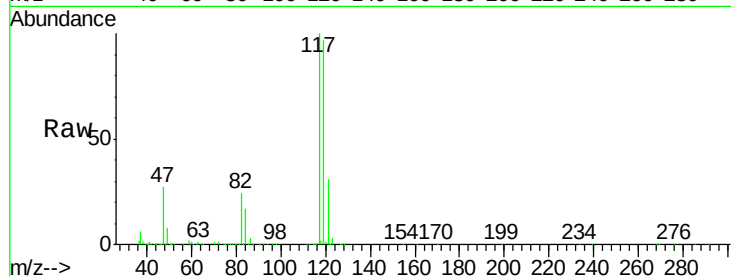
117 100

119 96.6 77.5 116.3

121 31.5 24.7 37.1

Manual Integrations
APPROVED

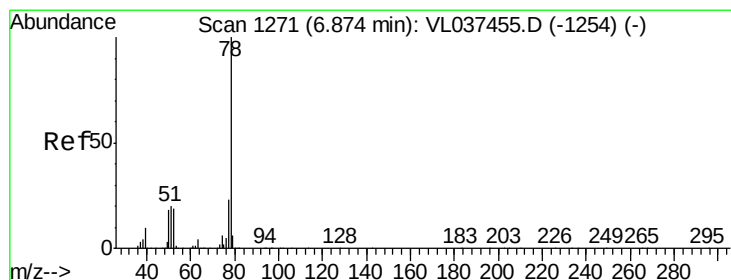
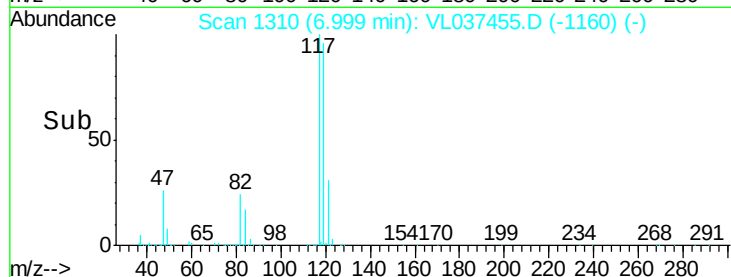
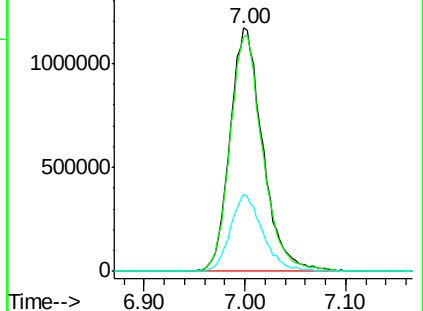
MMDadoda
8/19/2021 5:58:53 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.314 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

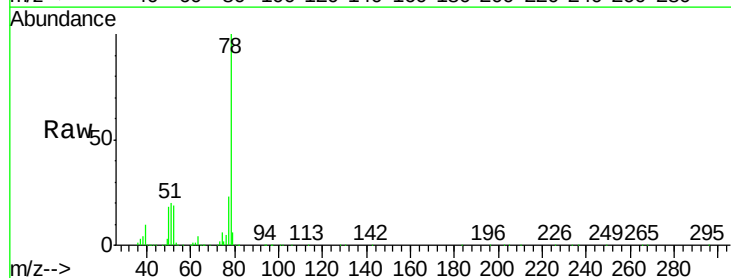
Tgt Ion: 78 Resp: 3724779

Ion Ratio Lower Upper

78 100

77 22.8 18.6 27.8

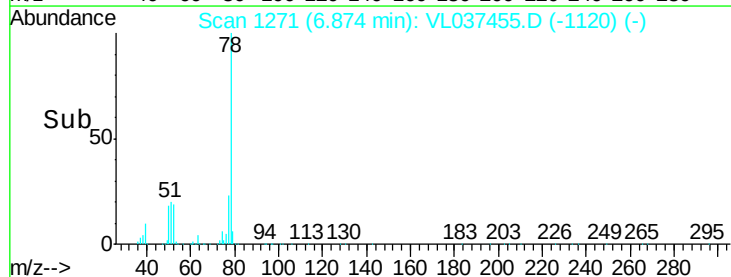
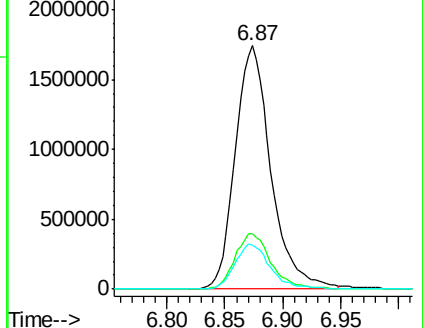
50 18.2 14.9 22.3

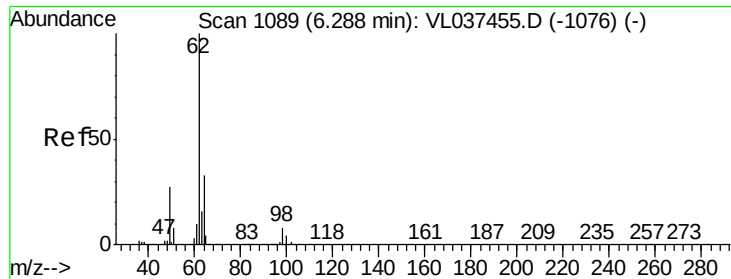


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





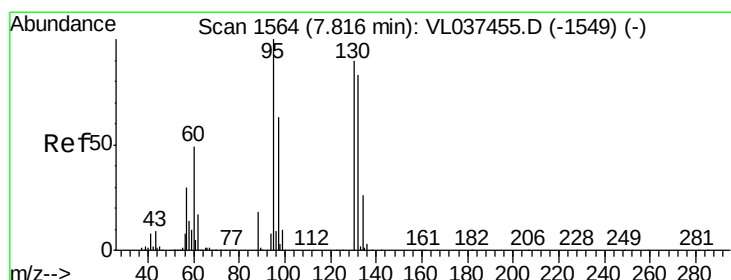
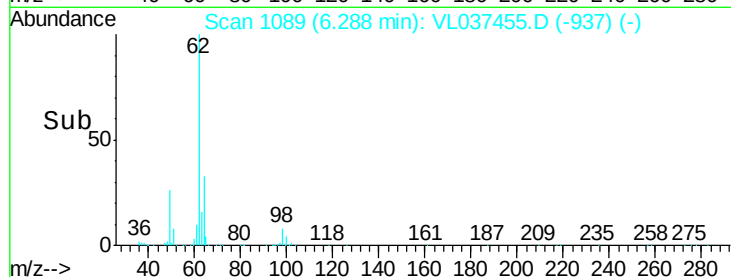
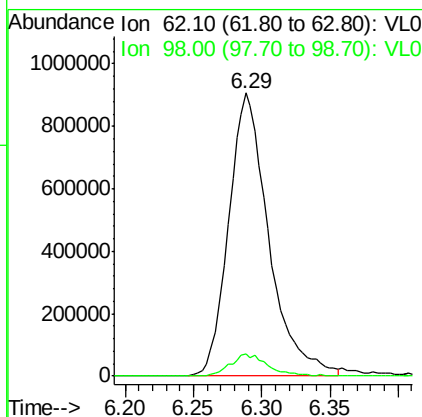
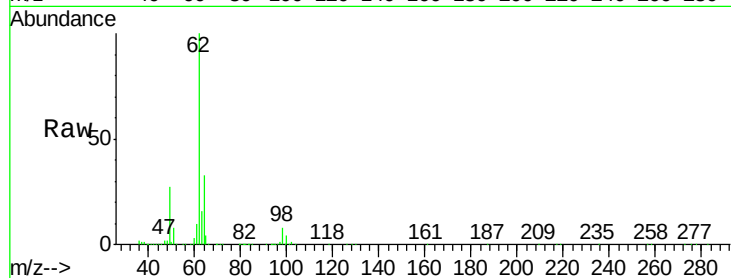
#37
 1,2-Dichloroethane
 Concen: 9.050 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 62 Resp: 1846840
 Ion Ratio Lower Upper
 62 100
 98 7.5 5.4 8.2

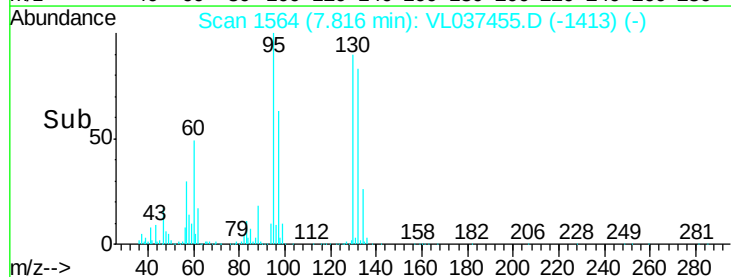
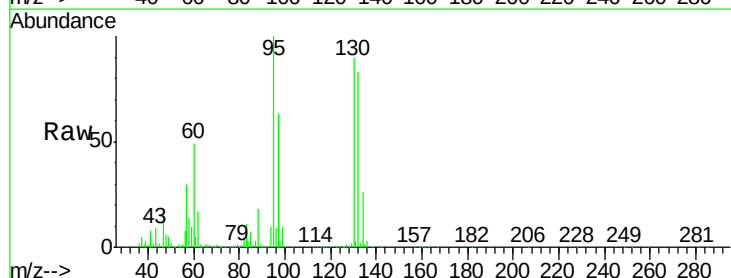
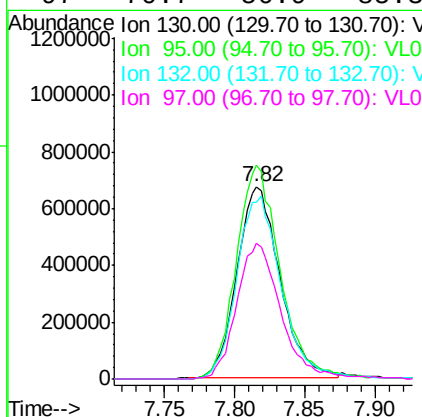
Manual Integrations
 APPROVED

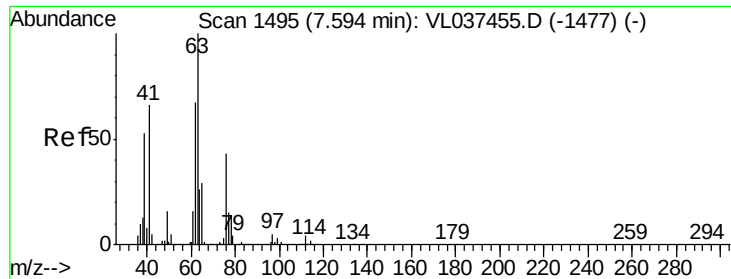
MMDadoda
 8/19/2021 5:58:53 PM



#38
 Trichloroethene
 Concen: 8.149 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion: 130 Resp: 1438400
 Ion Ratio Lower Upper
 130 100
 95 111.5 88.6 132.8
 132 92.5 79.2 118.8
 97 70.7 56.9 85.3





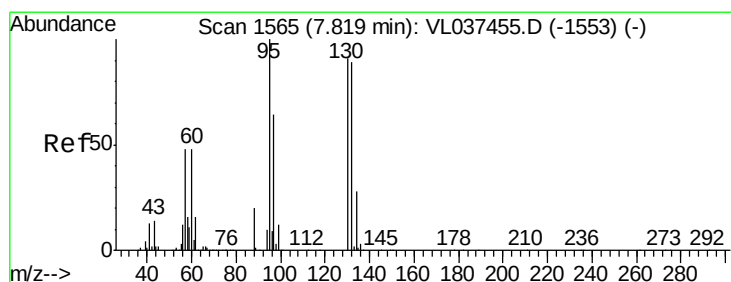
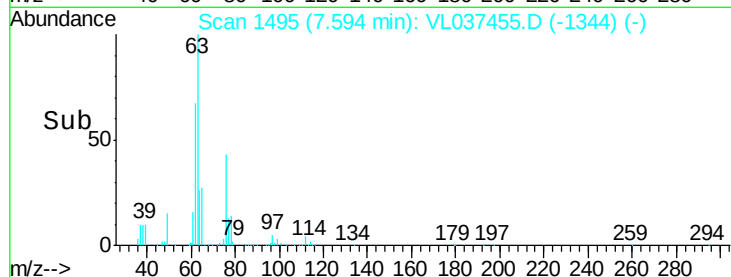
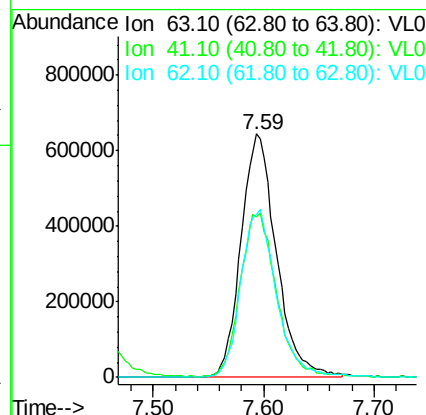
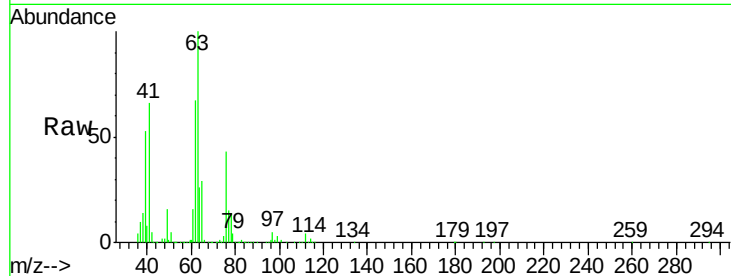
#39
 1,2-Dichloropropane
 Concen: 9.392 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	65.5	53.0	79.6
62	67.0	54.5	81.7

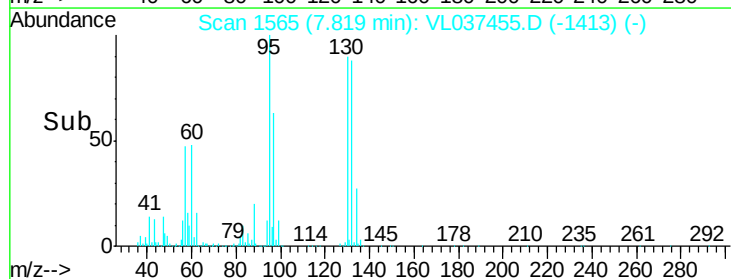
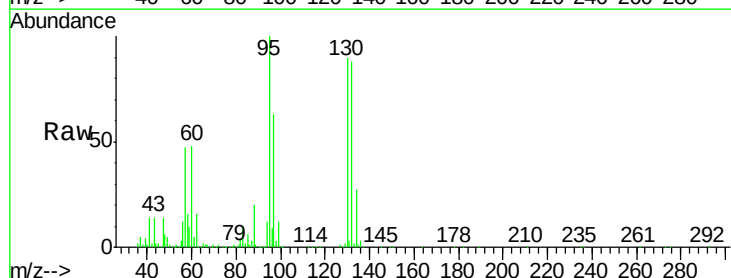
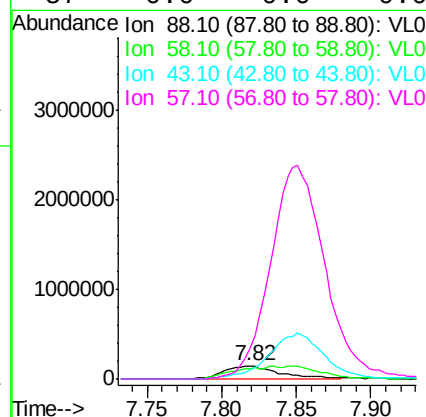
Manual Integrations
 APPROVED

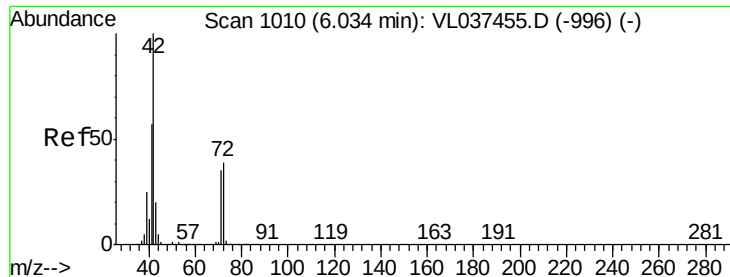
MMDadoda
 8/19/2021 5:58:53 PM



#40
 1,4-Dioxane
 Concen: 10.010 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





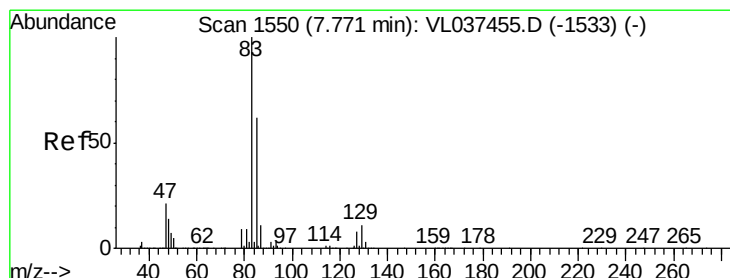
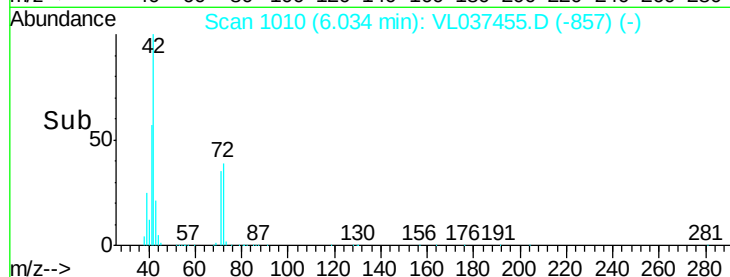
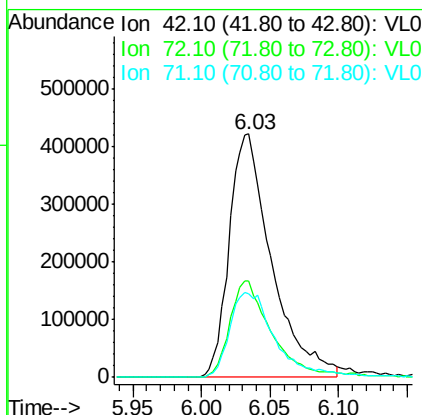
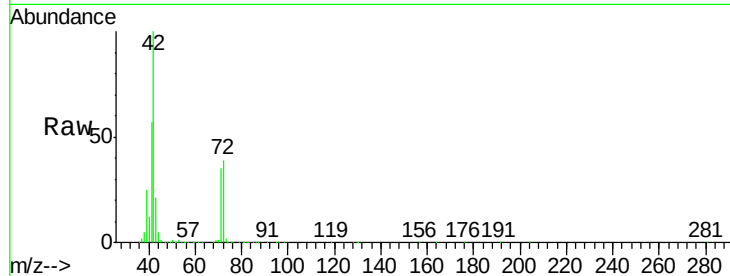
#41
Tetrahydrofuran
Concen: 10.072 ppbv m
RT: 6.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.5	50.3
71	38.1	32.6	48.8

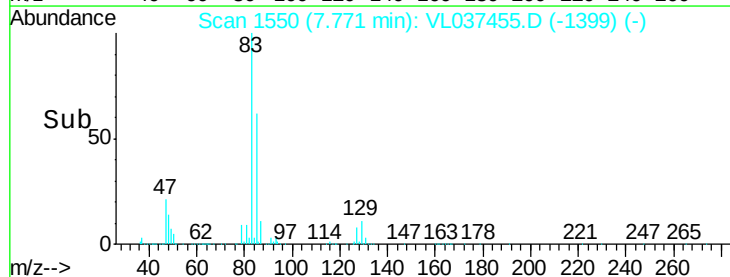
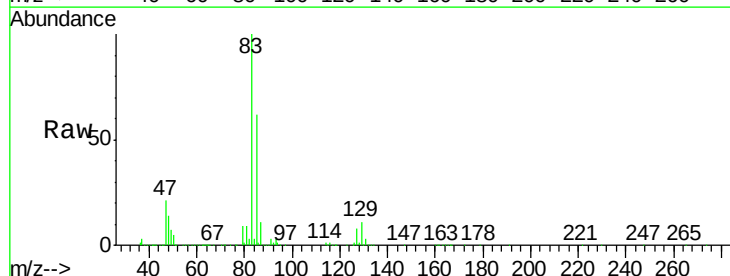
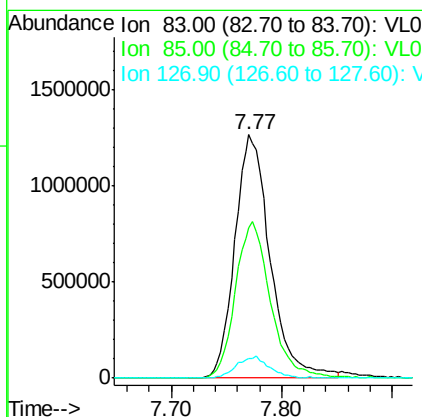
Manual Integrations
APPROVED

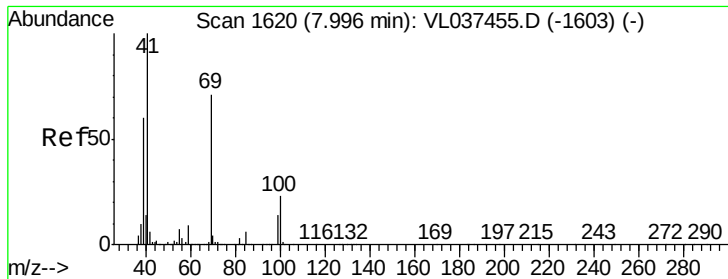
MMDadoda
8/19/2021 5:58:53 PM



#42
Bromodichloromethane
Concen: 9.829 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.02 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.2	75.2
127	7.9	6.6	9.8





#43

Methyl Methacrylate

Concen: 10.059 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

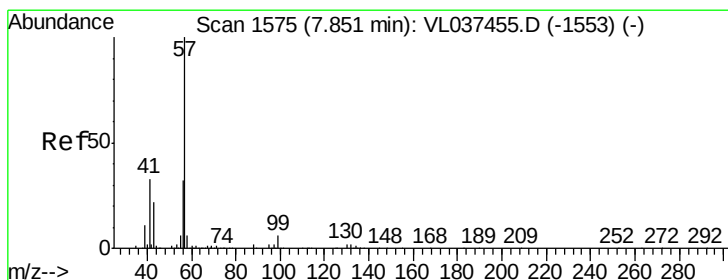
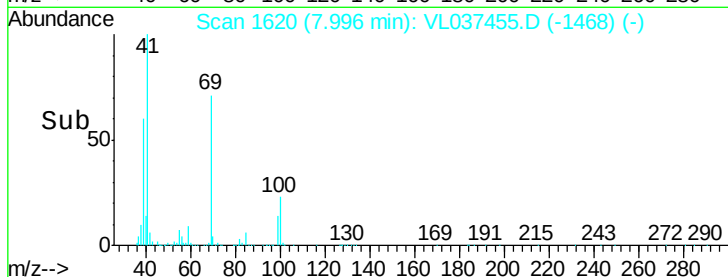
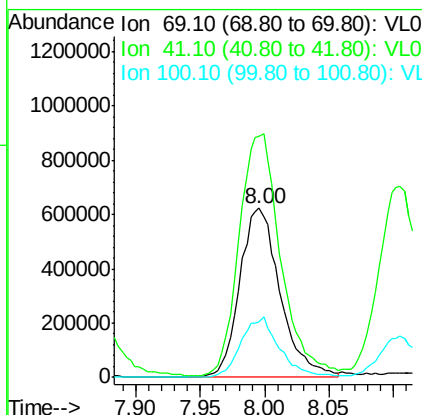
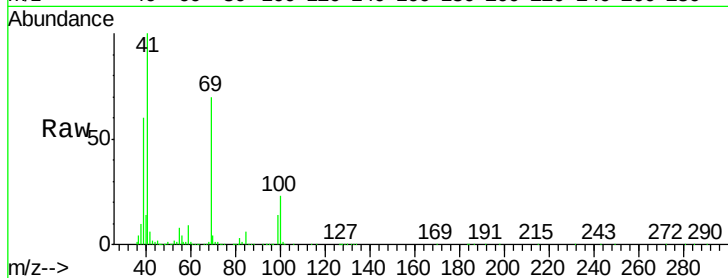
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1363364

Ion	Ratio	Lower	Upper
69	100		
41	148.3	118.1	177.1
100	34.2	27.6	41.4

Manual Integrations
APPROVED

MMDadoda
8/19/2021 5:58:53 PM



#44

2,2,4-Trimethylpentane

Concen: 9.162 ppbv

RT: 7.85 min Scan# 1575

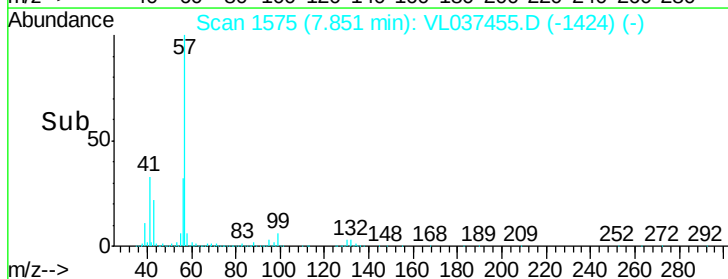
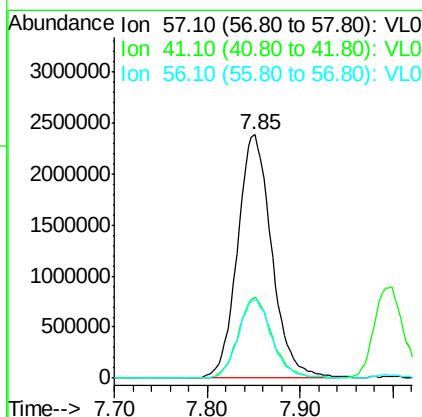
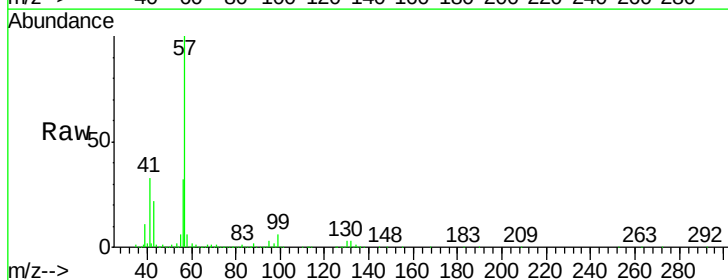
Delta R.T. -0.02 min

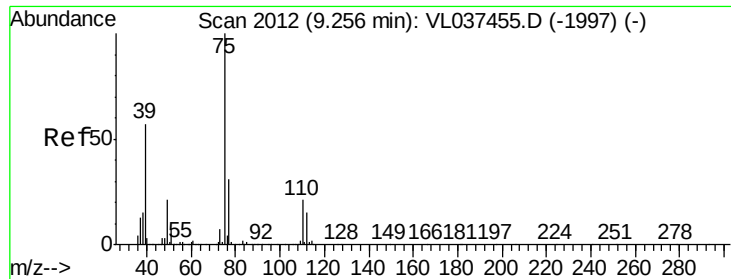
Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Tgt Ion: 57 Resp: 6125466

Ion	Ratio	Lower	Upper
57	100		
41	32.8	26.4	39.6
56	31.8	25.0	37.4





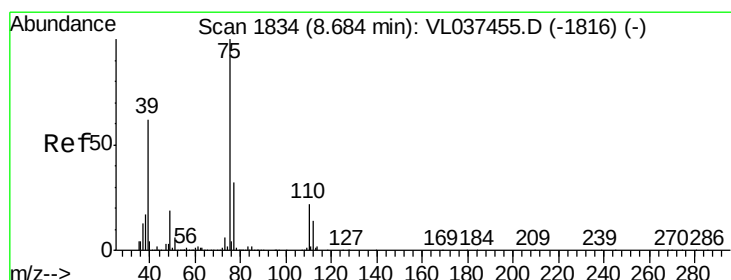
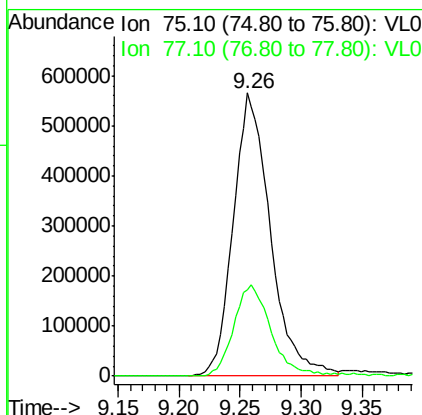
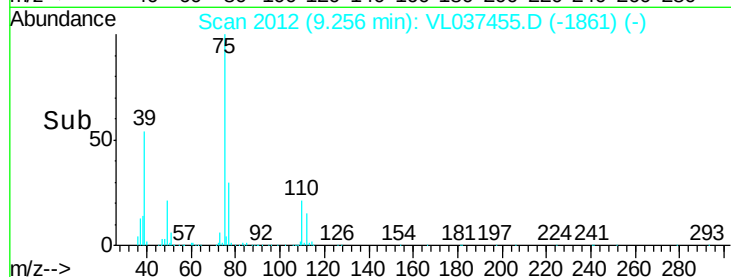
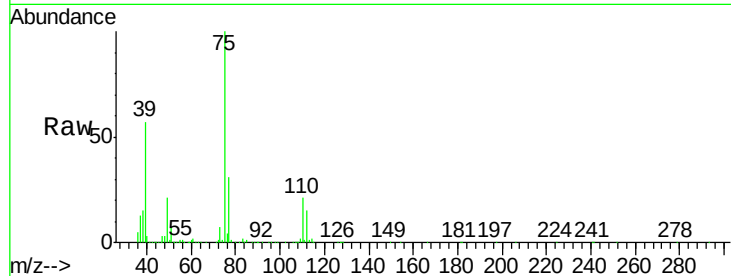
#45
 t-1,3-Dichloropropene
 Concen: 11.800 ppbv
 RT: 9.26 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 75 Resp: 1188475
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.2 36.2

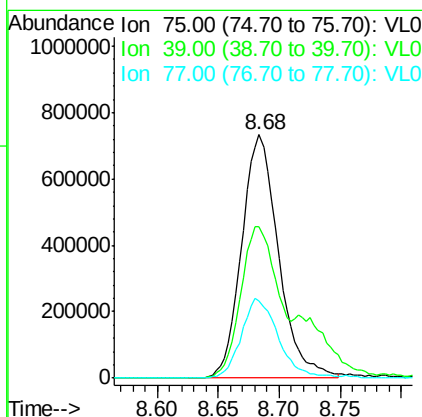
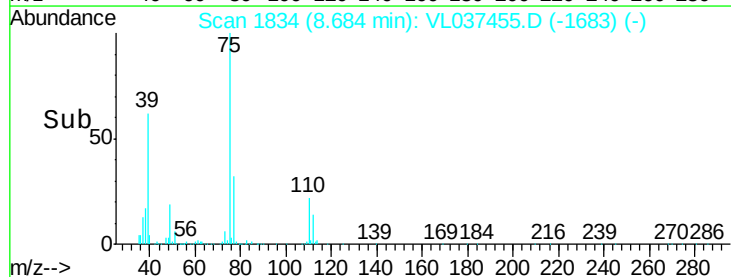
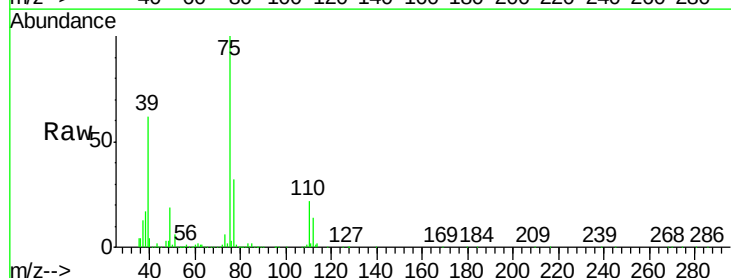
Manual Integrations
 APPROVED

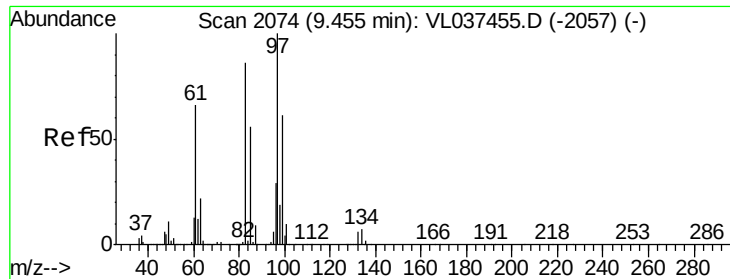
MMDadoda
 8/19/2021 5:58:53 PM



#46
 cis-1,3-Dichloropropene
 Concen: 10.870 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion: 75 Resp: 1528328
 Ion Ratio Lower Upper
 75 100
 39 62.1 50.1 75.1
 77 31.7 25.8 38.8





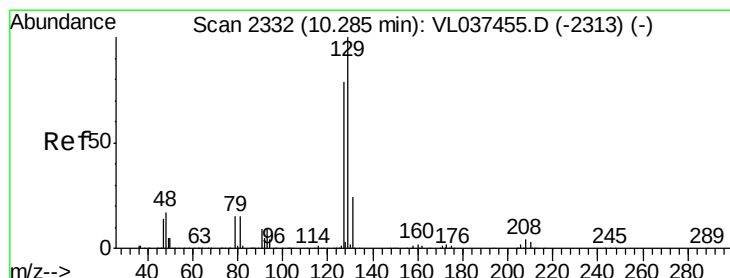
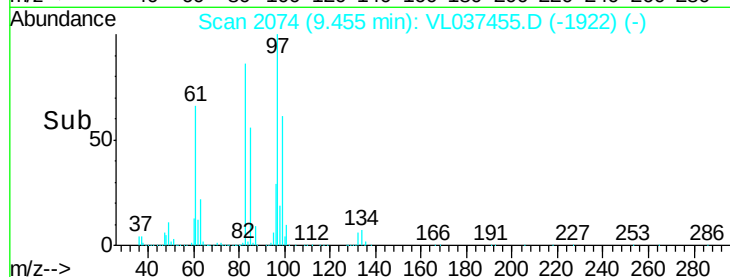
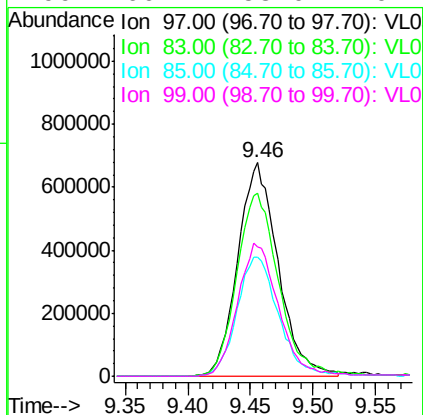
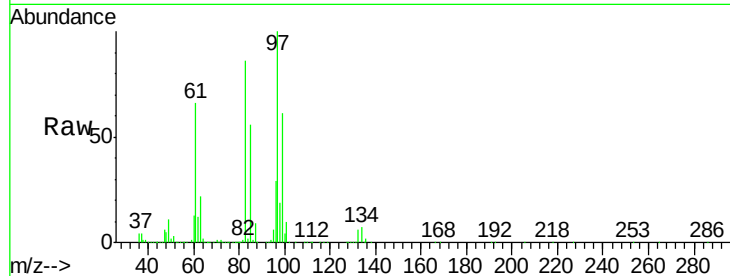
#47
 1,1,2-Trichloroethane
 Concen: 9.180 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.9	69.5	104.3
85	55.9	43.8	65.8
99	60.7	53.0	79.4

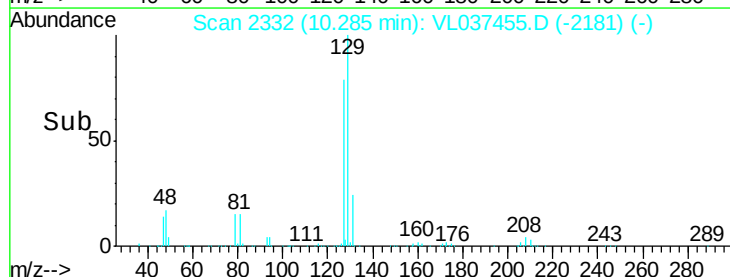
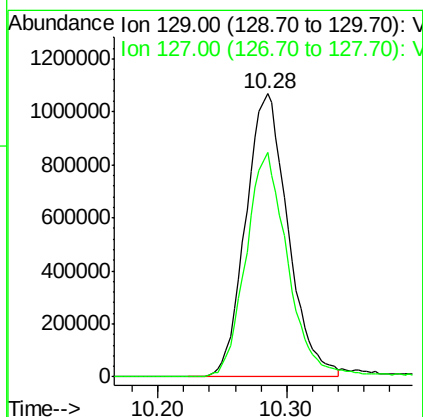
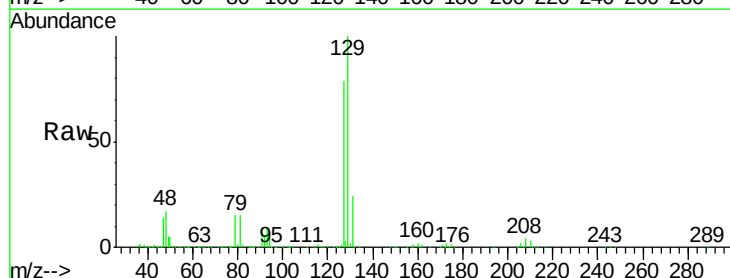
Manual Integrations
 APPROVED

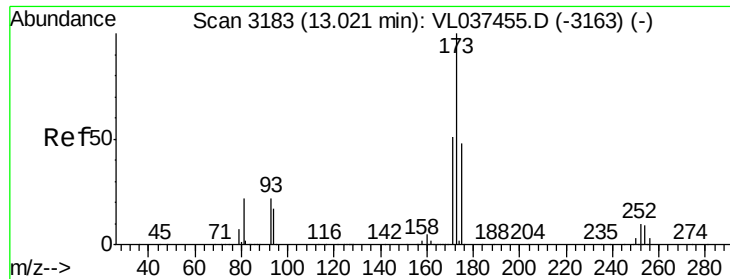
MMDadoda
 8/19/2021 5:58:53 PM



#48
 Dibromochloromethane
 Concen: 10.276 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.6	118.8





#49

Bromoform

Concen: 10.993 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.02 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 1979127

Ion Ratio Lower Upper

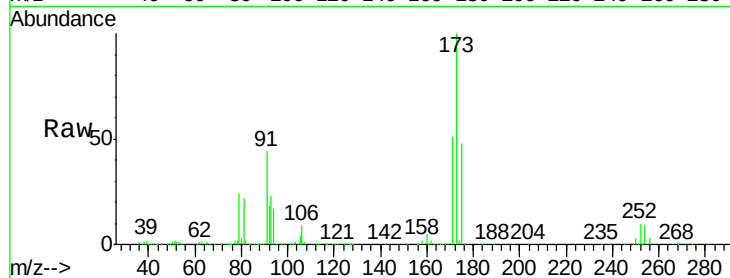
173 100

175 52.4 39.9 59.9

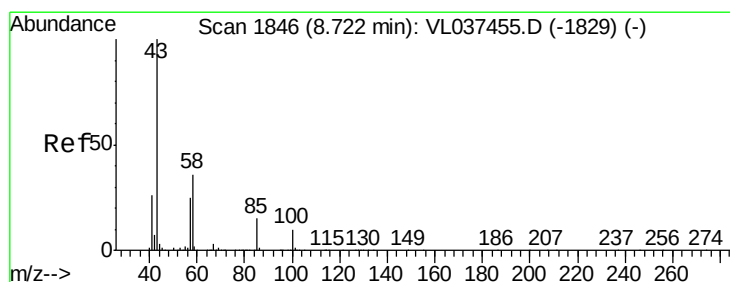
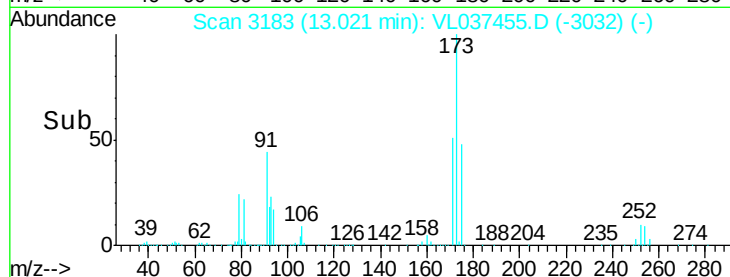
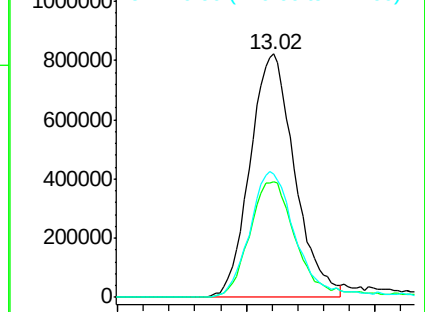
171 55.3 41.4 62.2

Manual Integrations
APPROVED

MMDadoda
8/19/2021 5:58:53 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: 9.876 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.02 min

Lab File: VL037455.D

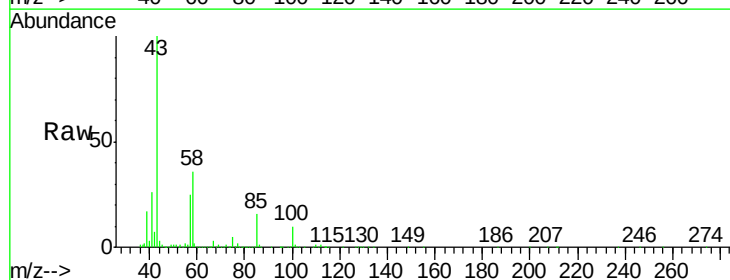
Acq: 16 Aug 2021 10:27

Tgt Ion: 43 Resp: 2432555

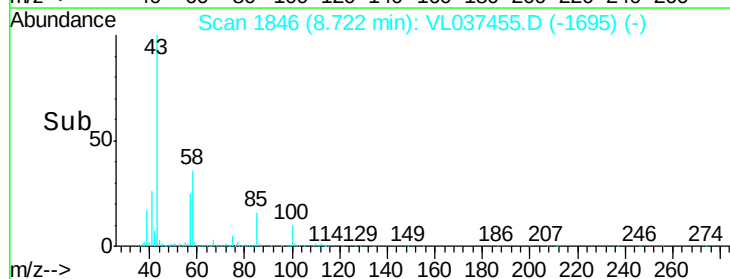
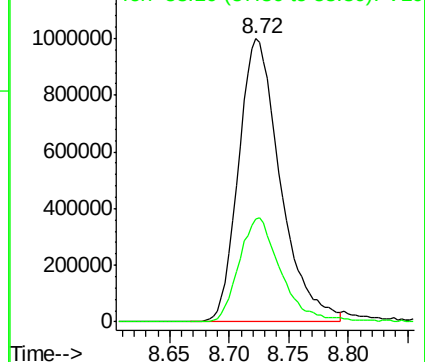
Ion Ratio Lower Upper

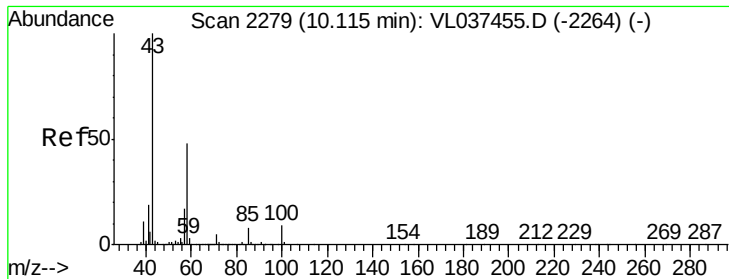
43 100

58 37.4 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





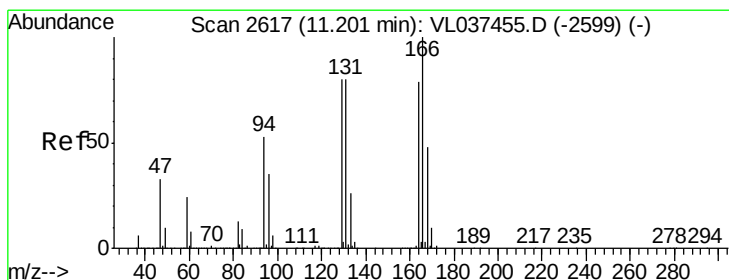
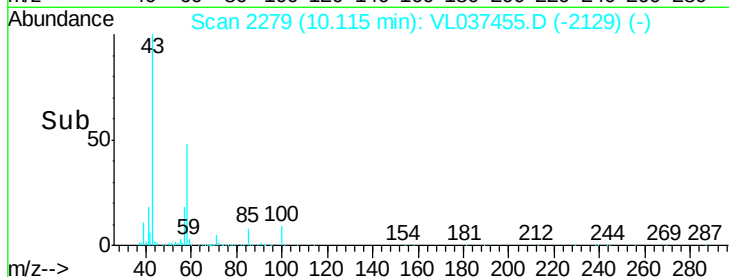
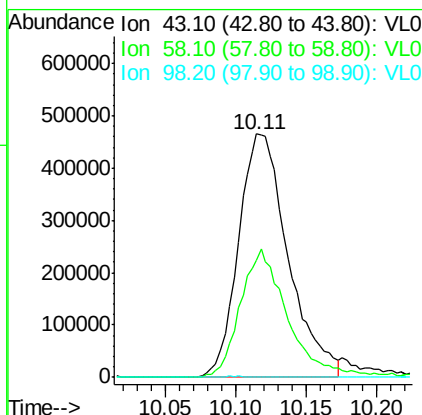
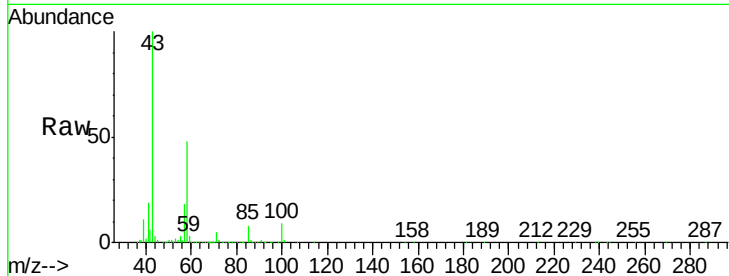
#51
2-Hexanone
Concen: 9.844 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.02 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	39.9	59.9
98	0.4	0.2	0.2#

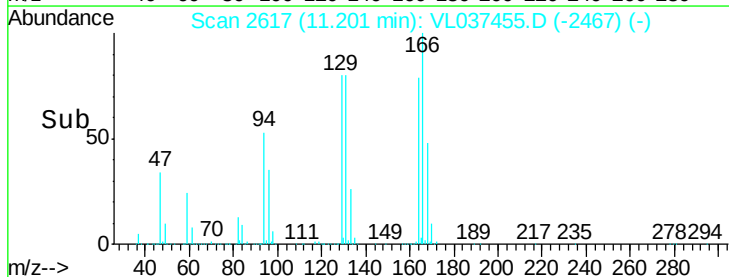
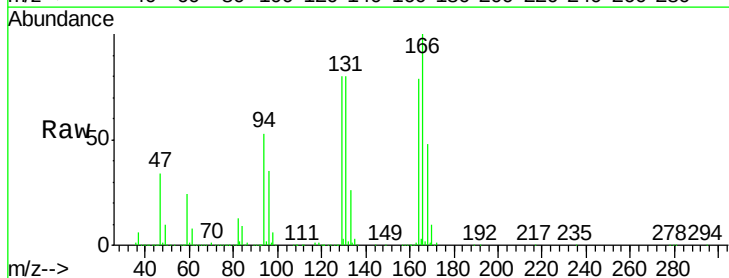
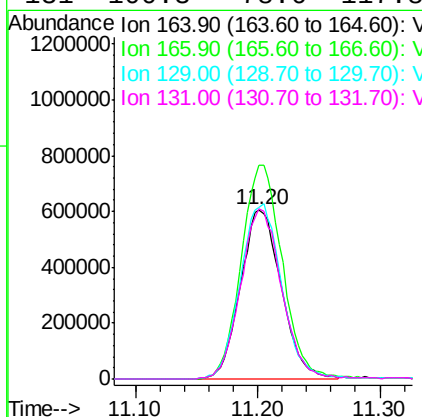
Manual Integrations
APPROVED

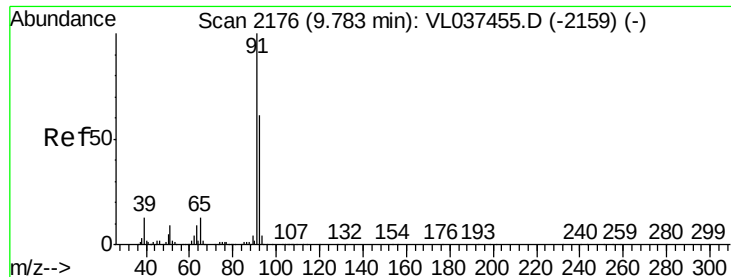
MMDadoda
8/19/2021 5:58:53 PM



#52
Tetrachloroethene
Concen: 8.329 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.02 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	98.6	147.8
129	101.1	82.0	123.0
131	100.3	78.6	117.8





#53

Toluene

Concen: 9.574 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.02 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 4371063

Ion Ratio Lower Upper

91 100

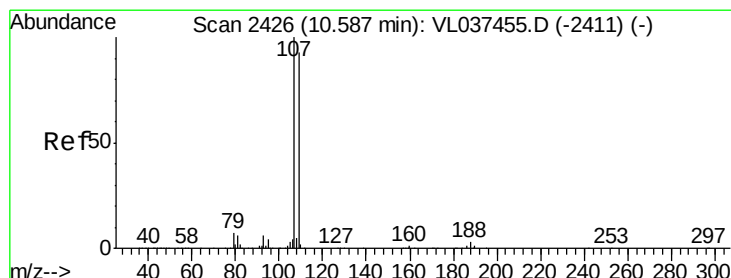
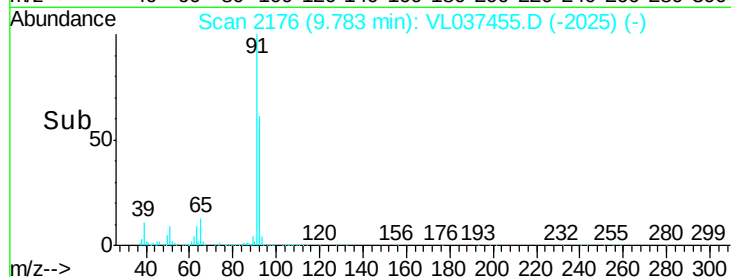
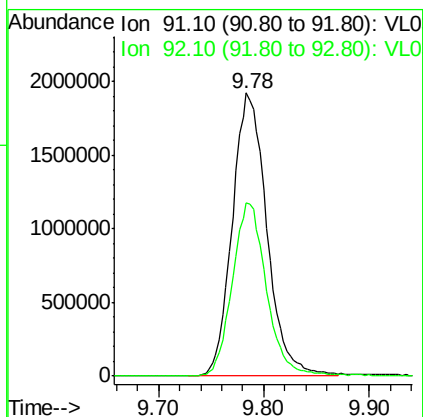
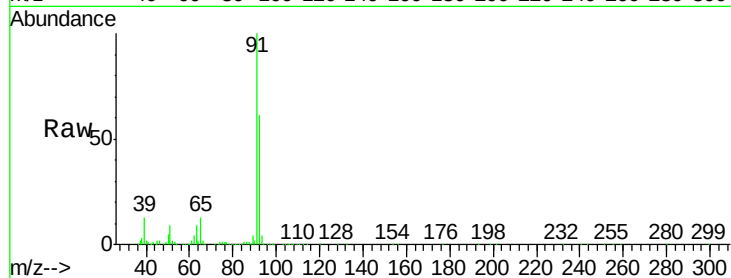
92 61.0 49.0 73.6

Manual Integrations

APPROVED

MMDadoda

8/19/2021 5:58:53 PM



#54

1,2-Dibromoethane

Concen: 9.822 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.02 min

Lab File: VL037455.D

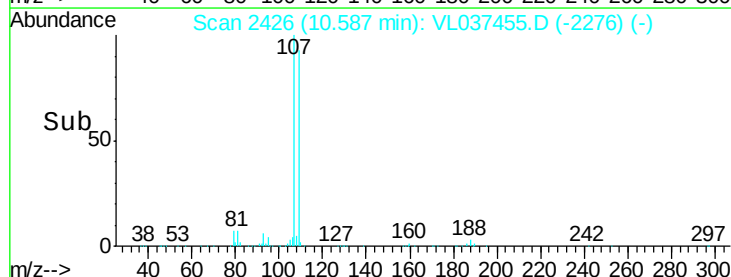
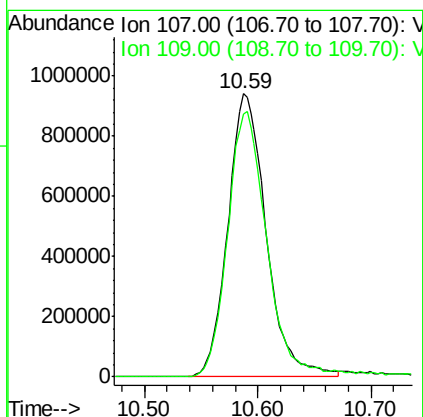
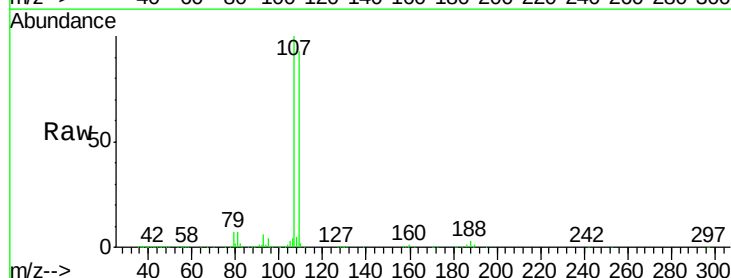
Acq: 16 Aug 2021 10:27

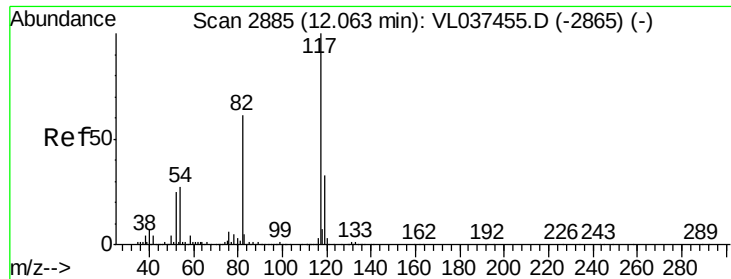
Tgt Ion: 107 Resp: 2201369

Ion Ratio Lower Upper

107 100

109 92.8 78.4 117.6





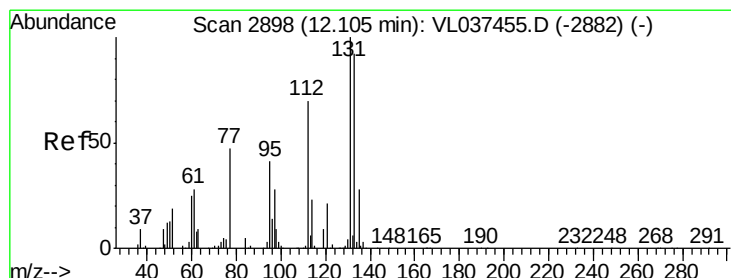
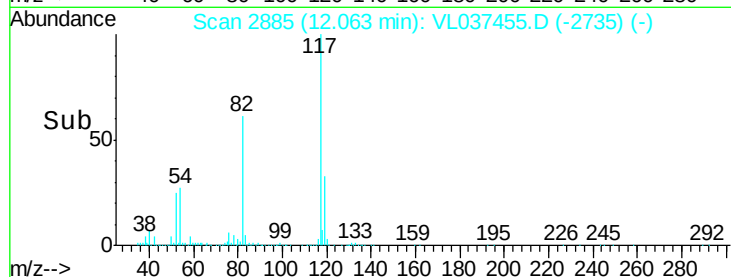
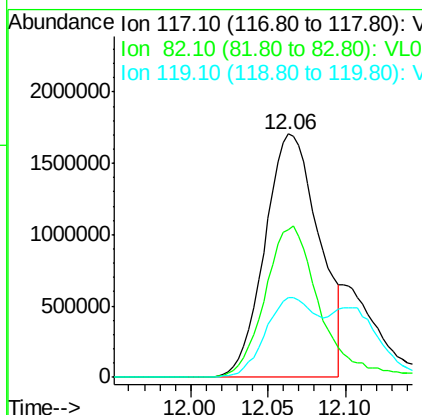
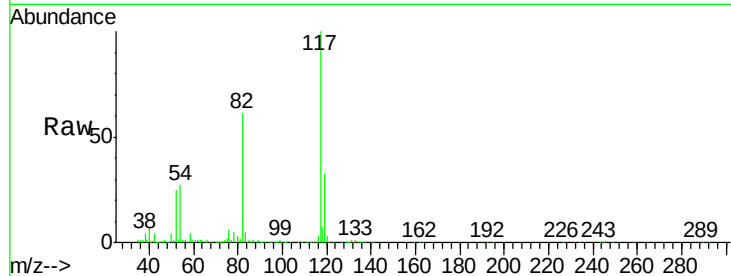
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.02 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.1	53.1	79.7
119	31.0	28.0	42.0

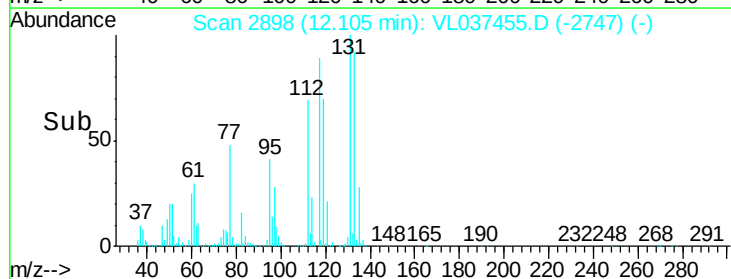
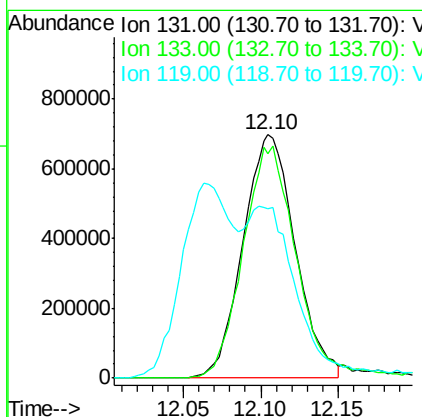
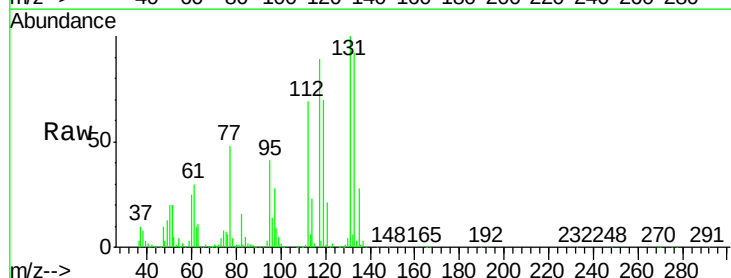
Manual Integrations
APPROVED

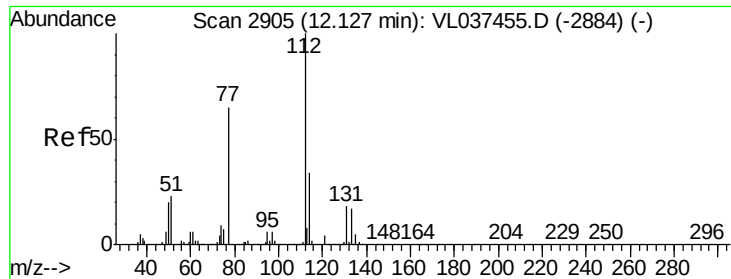
MMDadoda
8/19/2021 5:58:53 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.866 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.4	77.1	115.7
119	70.8	59.7	89.5





#57

Chlorobenzene

Concen: 9.379 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:112 Resp: 3158234

Ion Ratio Lower Upper

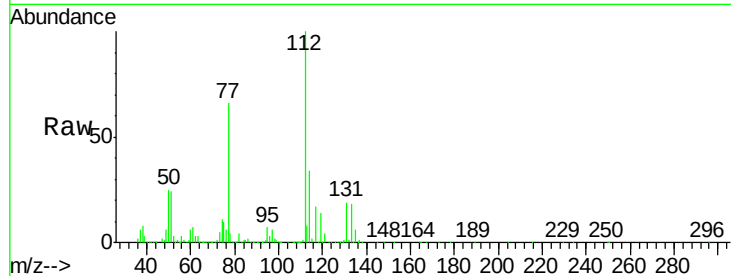
112 100

77 64.5 50.0 75.0

114 34.1 28.5 34.9

Manual Integrations
APPROVED

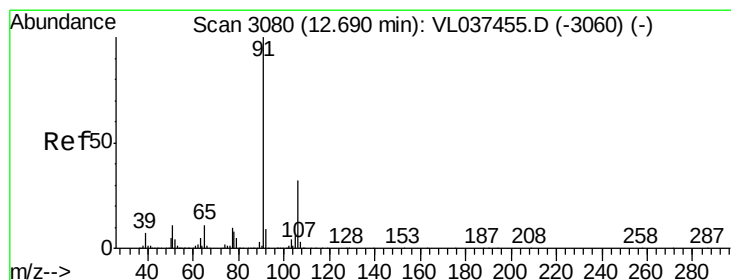
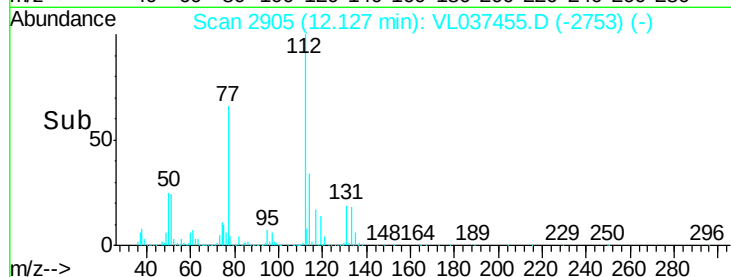
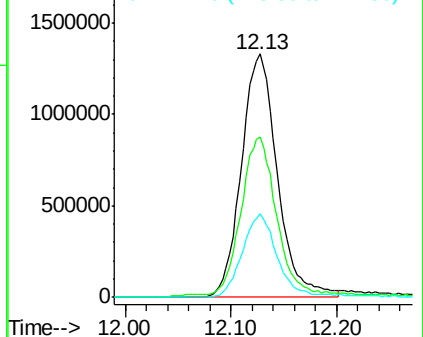
MMDadoda
8/19/2021 5:58:53 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.714 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.01 min

Lab File: VL037455.D

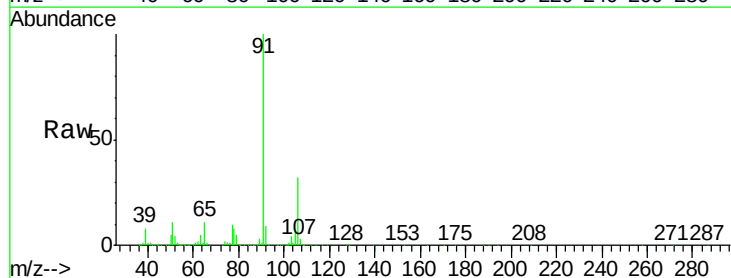
Acq: 16 Aug 2021 10:27

Tgt Ion: 91 Resp: 5474973

Ion Ratio Lower Upper

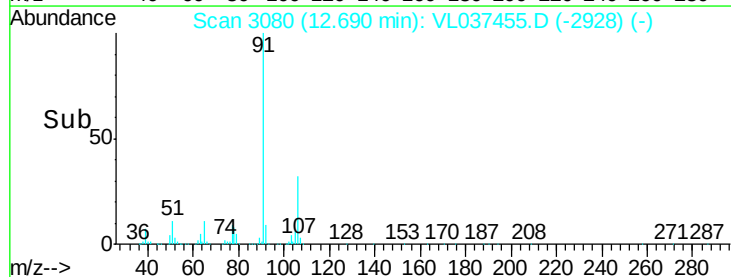
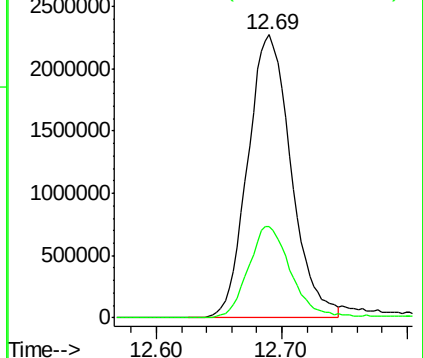
91 100

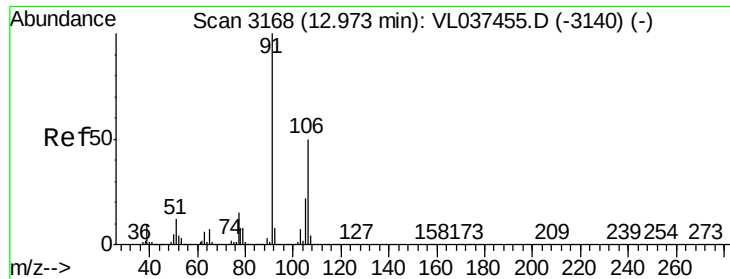
106 32.1 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





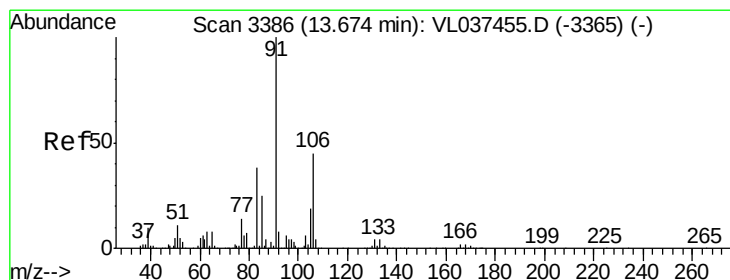
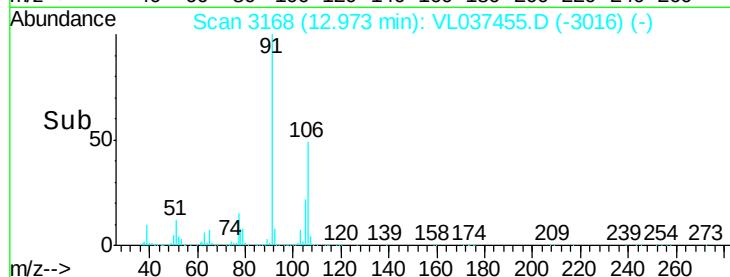
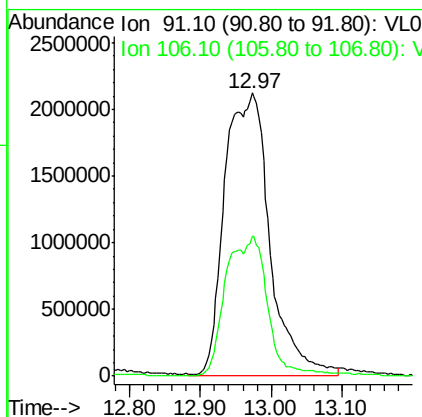
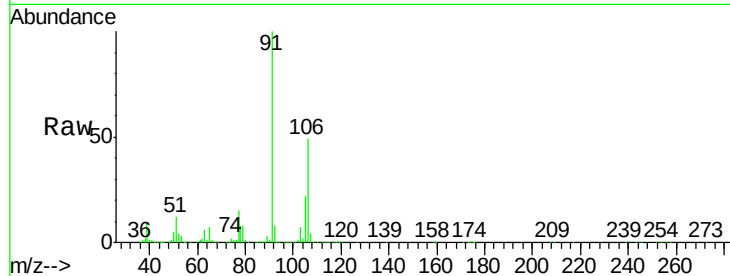
#59
m/p-Xylene
Concen: 19.064 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 9439020
Ion Ratio Lower Upper
91 100
106 46.1 36.6 54.8

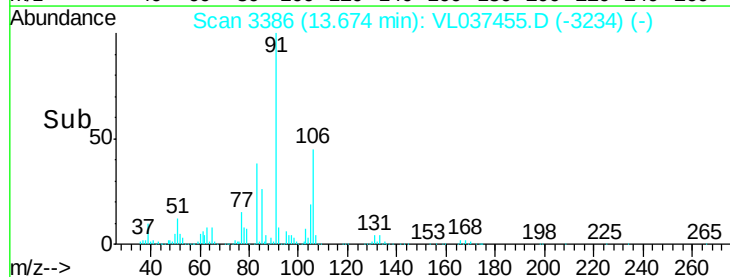
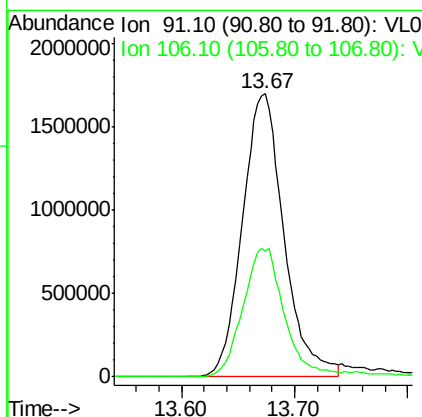
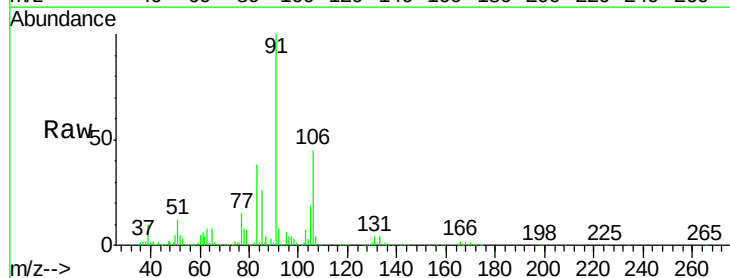
Manual Integrations
APPROVED

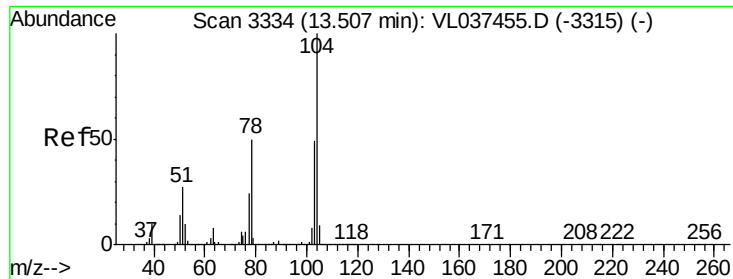
MMDadoda
8/19/2021 5:58:53 PM



#60
o-Xylene
Concen: 9.406 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Tgt Ion: 91 Resp: 4326227
Ion Ratio Lower Upper
91 100
106 47.4 24.1 72.2





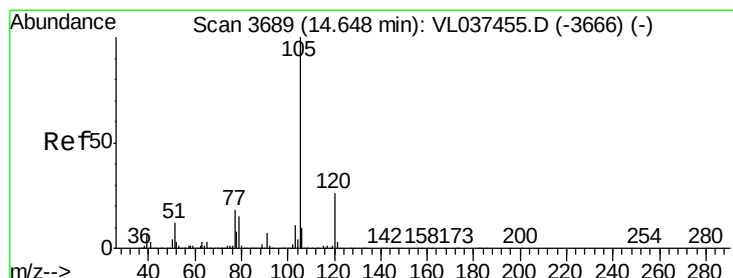
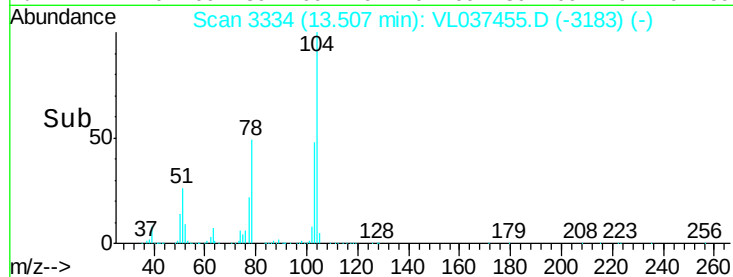
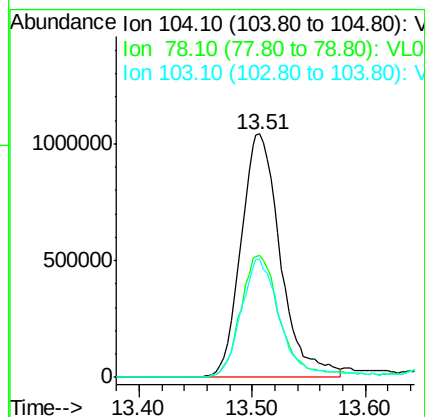
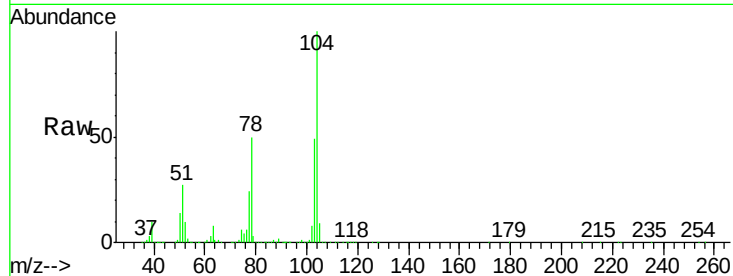
#61
Stvrene
Concen: 10.874 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.02 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:104 Resp: 2526817
Ion Ratio Lower Upper
104 100
78 51.6 41.5 62.3
103 49.2 40.2 60.2

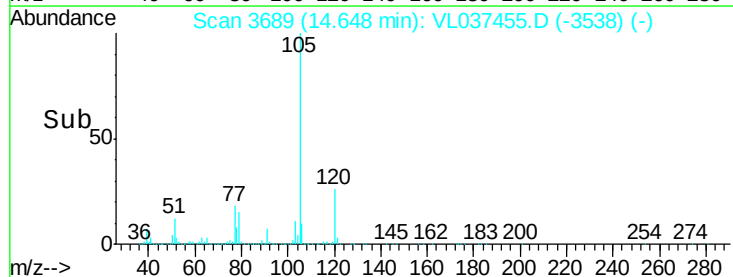
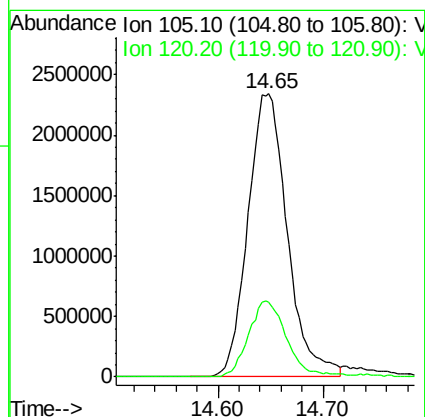
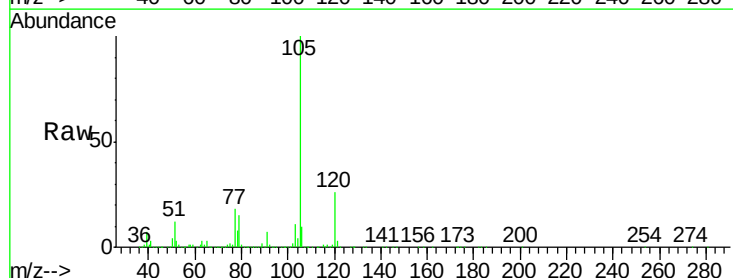
Manual Integrations
APPROVED

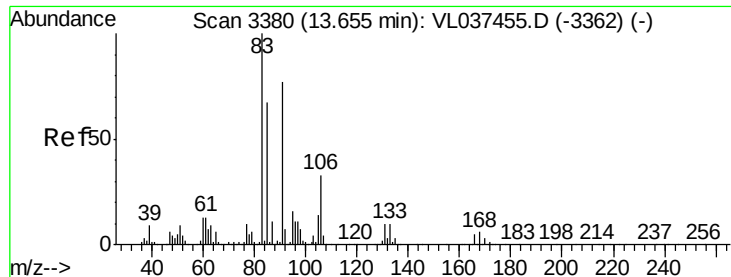
MMDadoda
8/19/2021 5:58:53 PM



#62
Isopropylbenzene
Concen: 9.266 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.02 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Tgt Ion:105 Resp: 6095299
Ion Ratio Lower Upper
105 100
120 26.9 21.6 32.4





#63

1,1,2,2-Tetrachloroethane

Concen: 9.083 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.02 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 3150657

Ion Ratio Lower Upper

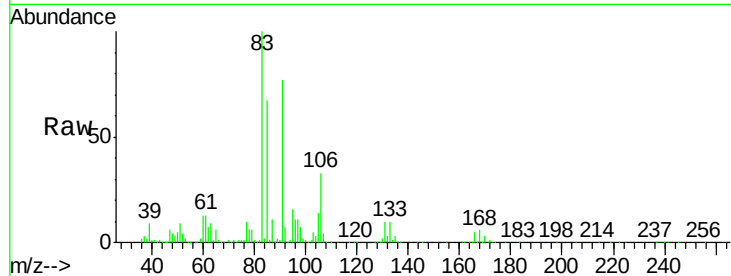
83 100

131 10.0 5.1 15.4

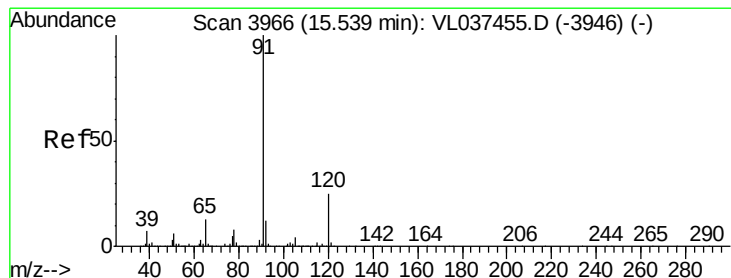
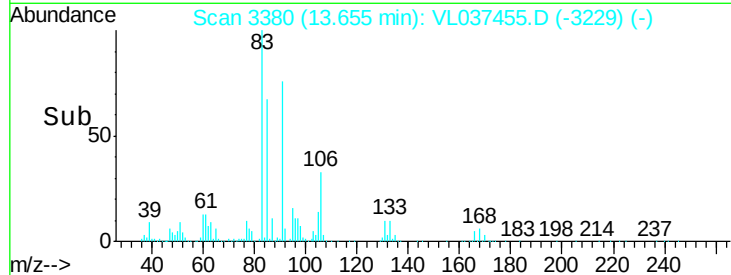
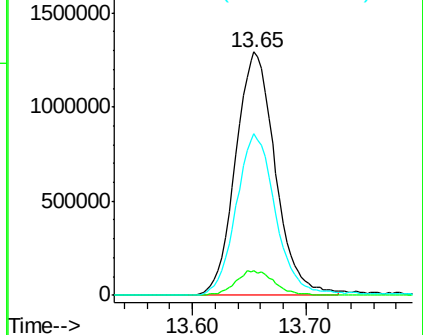
85 67.5 33.4 100.2

Manual Integrations
APPROVED

MMDadoda
8/19/2021 5:58:53 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.907 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.02 min

Lab File: VL037455.D

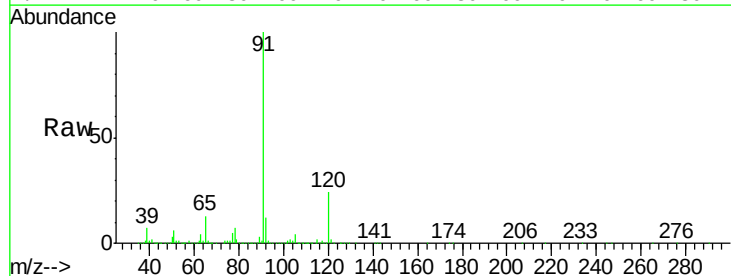
Acq: 16 Aug 2021 10:27

Tgt Ion: 120 Resp: 1639816

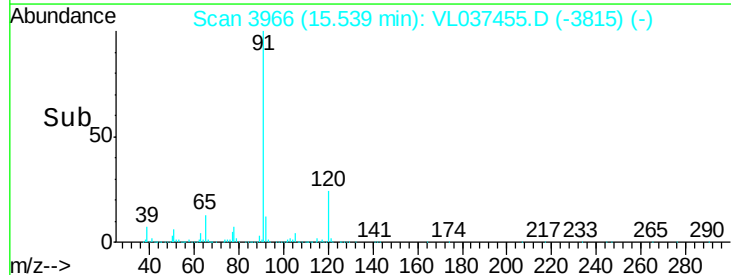
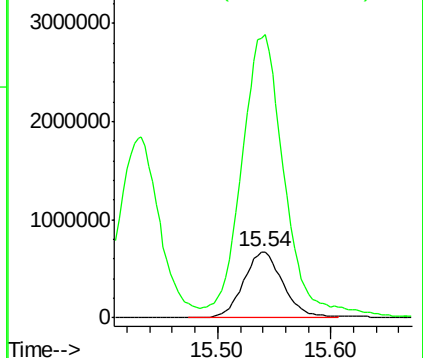
Ion Ratio Lower Upper

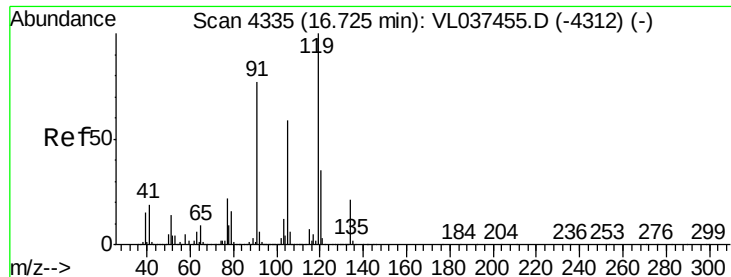
120 100

91 467.2 388.4 582.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





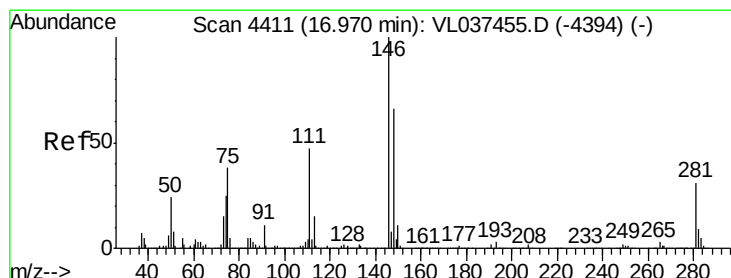
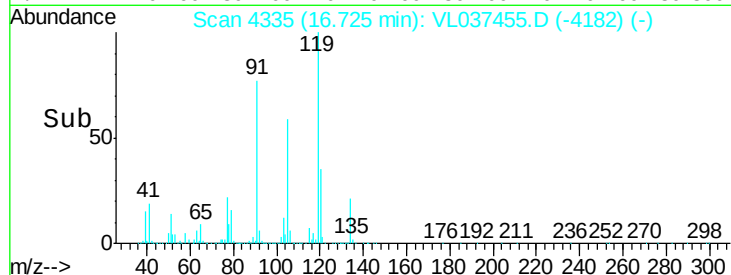
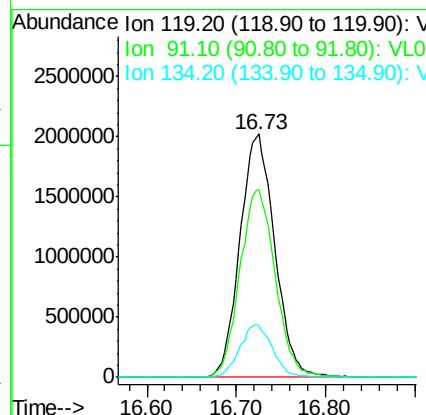
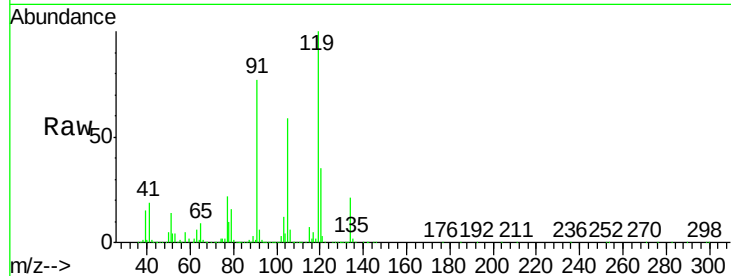
#65
 tert-Butylbenzene
 Concen: 9.256 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.6	62.2	93.4
134	20.5	16.1	24.1

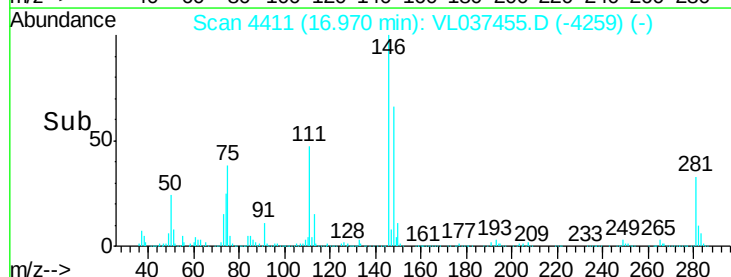
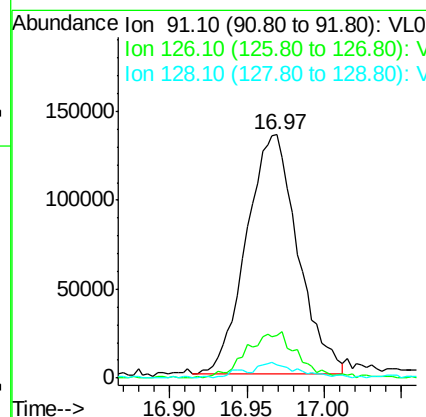
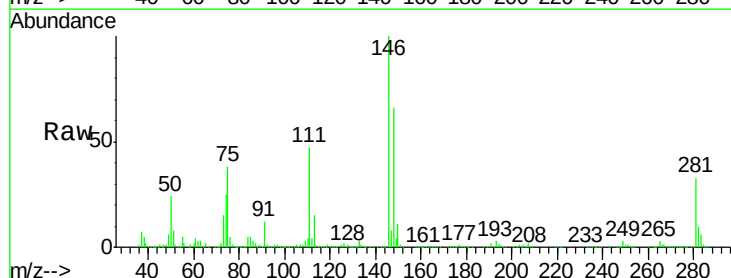
Manual Integrations
 APPROVED

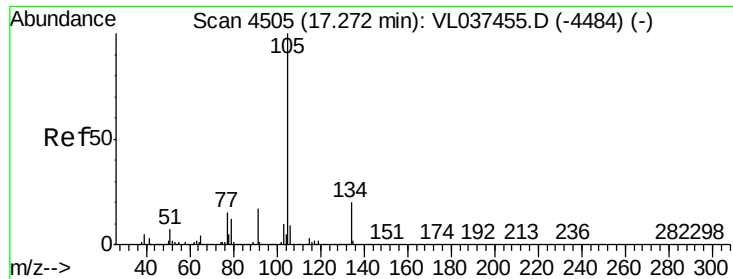
MMDadoda
 8/19/2021 5:58:53 PM



#66
 Benzyl Chloride
 Concen: 11.471 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.9	14.3	21.5
128	6.7	4.6	7.0





#67

sec-Butylbenzene

Concen: 9.456 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 7632493

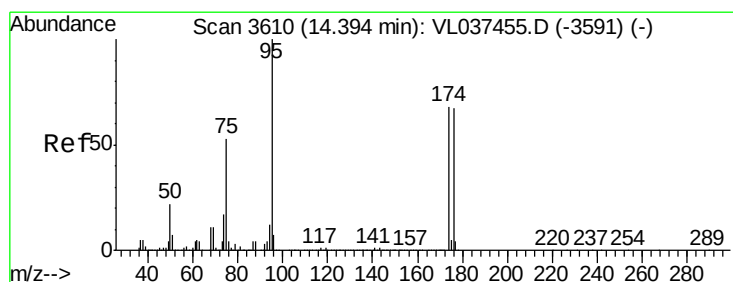
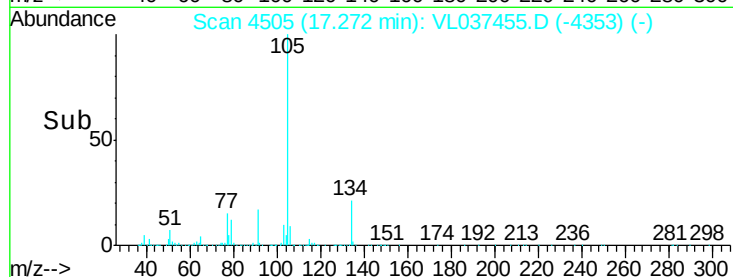
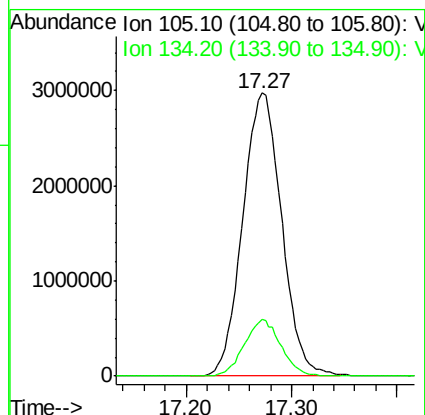
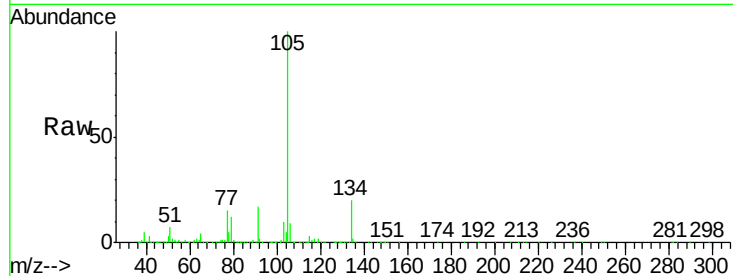
Ion Ratio Lower Upper

105 100

134 19.0 15.4 23.0

Manual Integrations
APPROVED

MMDadoda
8/19/2021 5:58:53 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.252 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.01 min

Lab File: VL037455.D

Acq: 16 Aug 2021 10:27

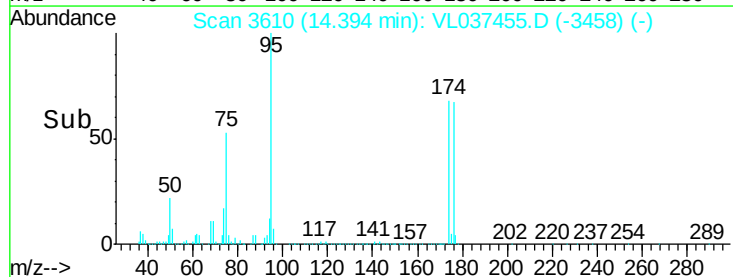
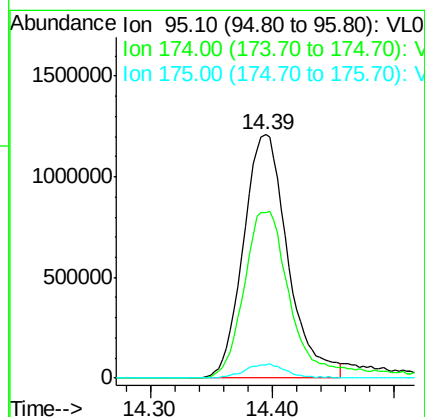
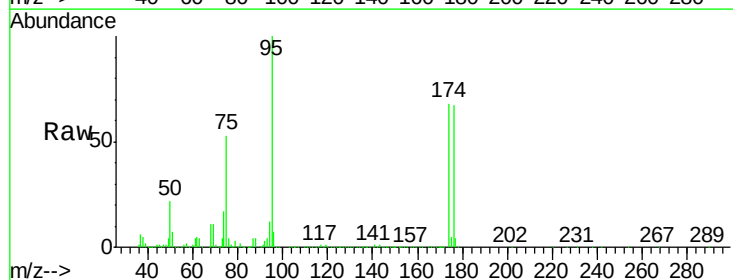
Tgt Ion: 95 Resp: 3055545

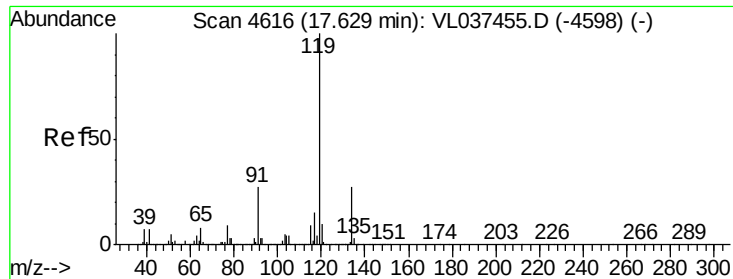
Ion Ratio Lower Upper

95 100

174 74.5 59.6 89.4

175 5.8 4.3 6.5





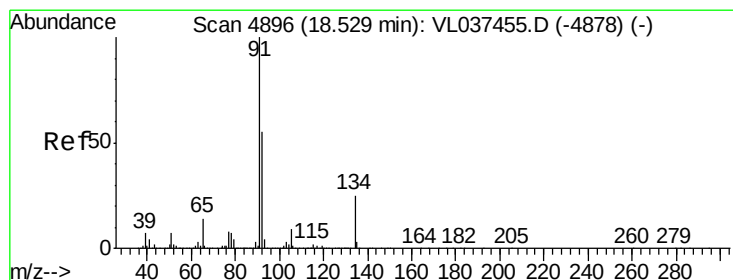
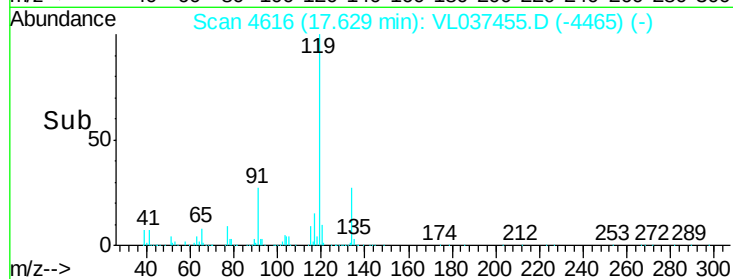
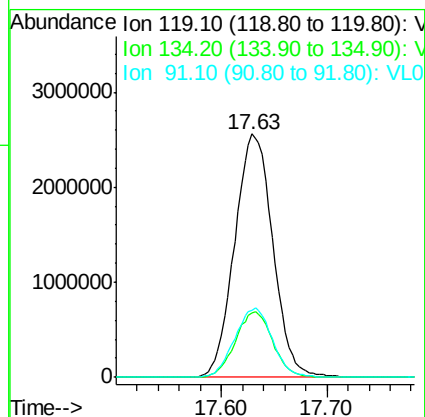
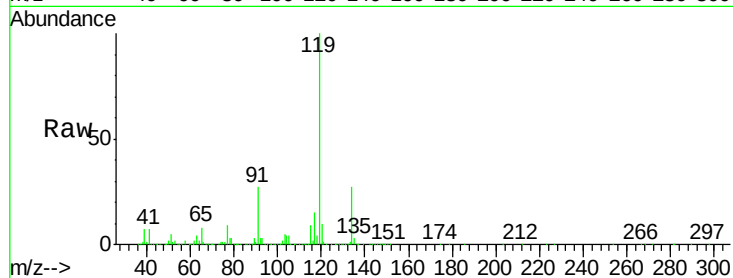
#69
 p-Isopropyltoluene
 Concen: 9.711 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	20.6	31.0
91	28.0	22.4	33.6

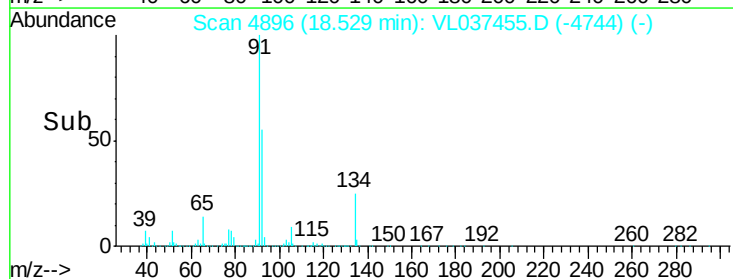
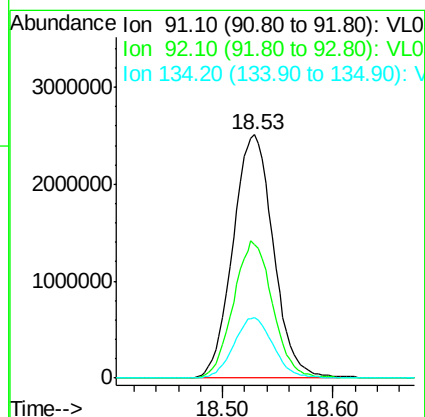
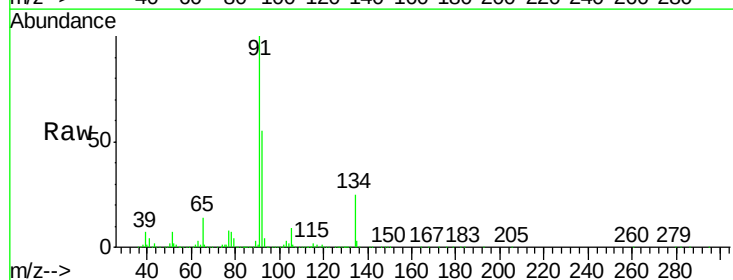
Manual Integrations
 APPROVED

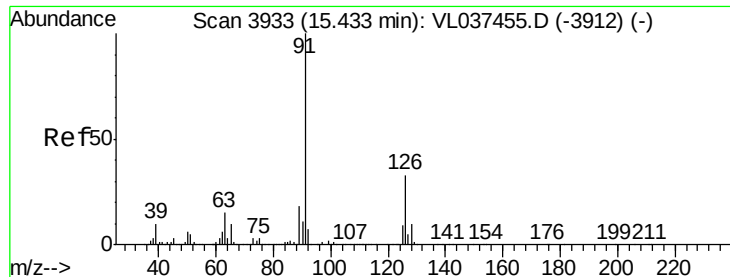
MMDadoda
 8/19/2021 5:58:53 PM



#70
 n-Butylbenzene
 Concen: 10.316 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.2	66.2
134	24.4	19.5	29.3





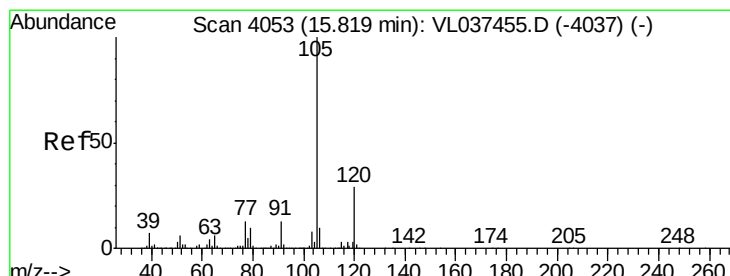
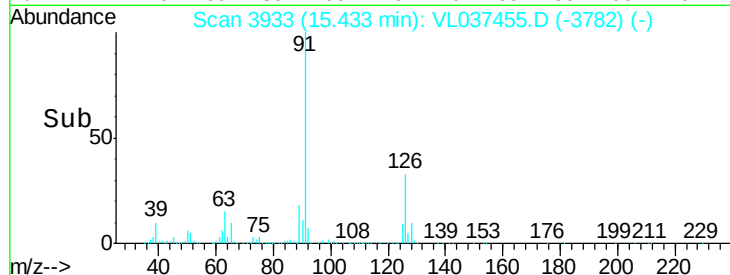
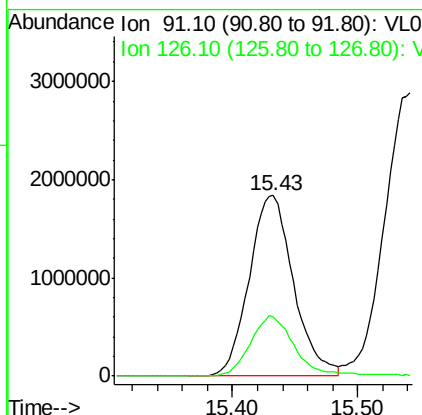
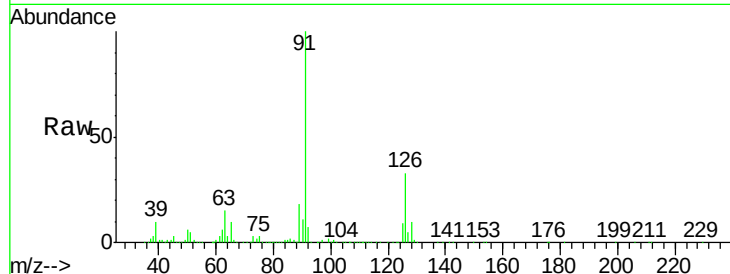
#71
 2-Chlorotoluene
 Concen: 9.738 ppbv
 RT: 15.43 min Scan# 3933
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 91 Resp: 4530521
 Ion Ratio Lower Upper
 91 100
 126 34.0 13.5 53.9

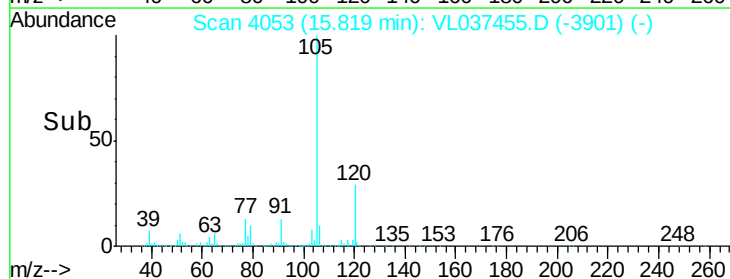
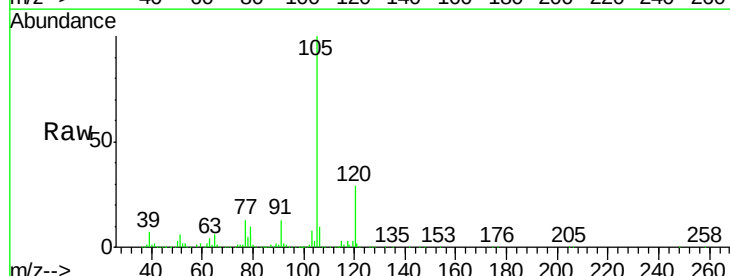
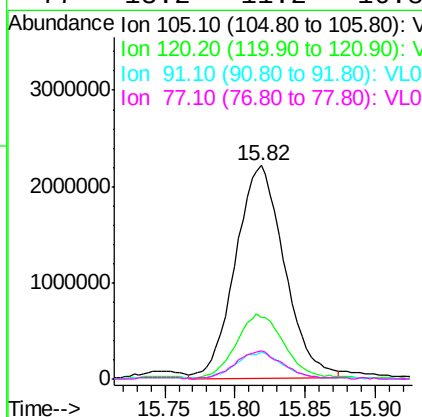
Manual Integrations
 APPROVED

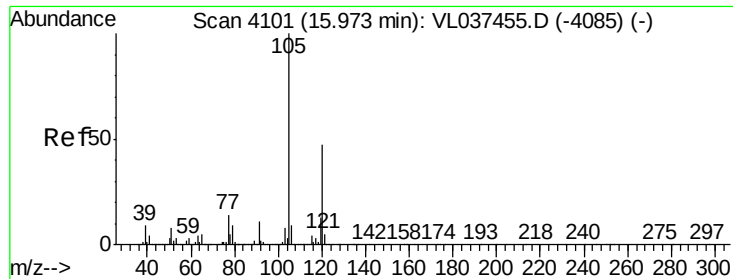
MMDadoda
 8/19/2021 5:58:53 PM



#72
 4-Ethyltoluene
 Concen: 10.032 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion:105 Resp: 5356273
 Ion Ratio Lower Upper
 105 100
 120 30.9 25.0 37.4
 91 12.3 11.2 16.8
 77 13.2 11.2 16.8





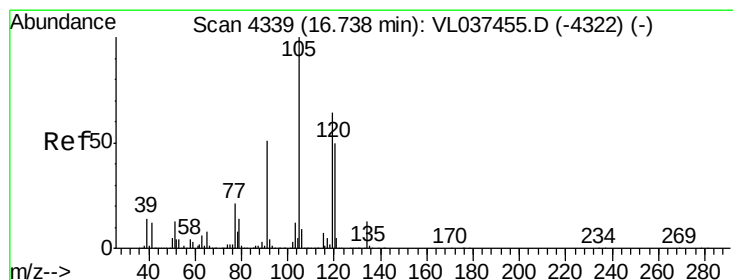
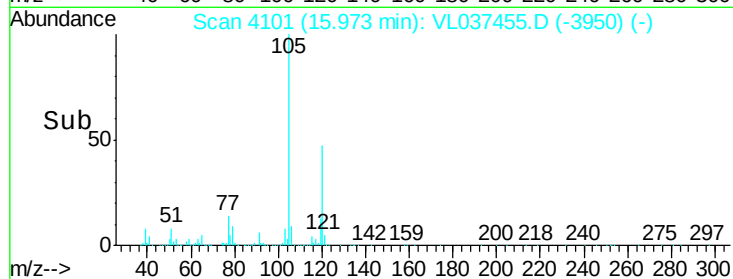
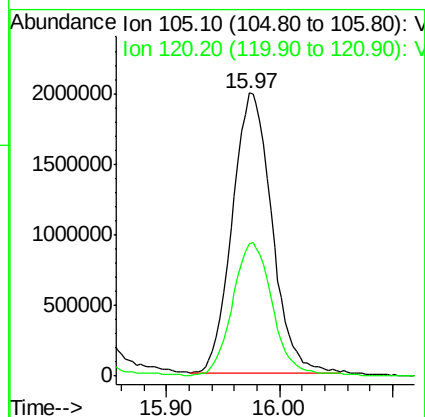
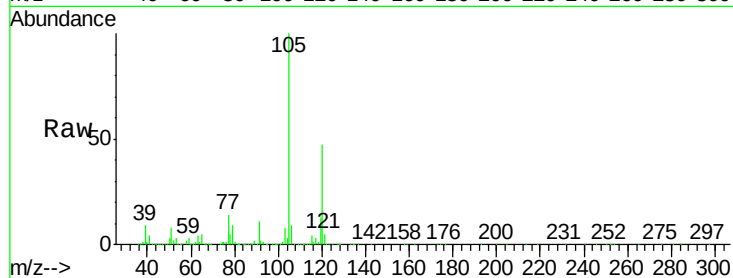
#73
 1,3,5-Trimethylbenzene
 Concen: 9.558 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:105 Resp: 4824497
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.4 56.0

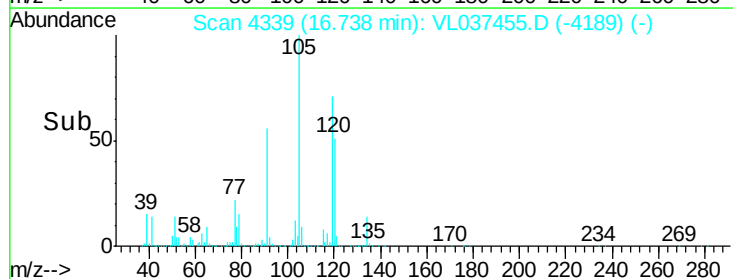
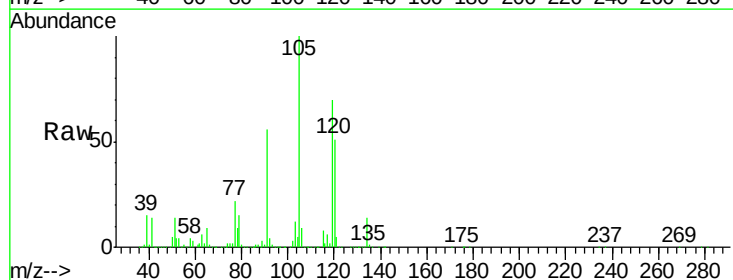
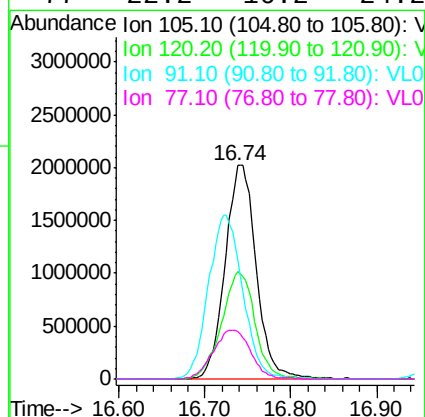
Manual Integrations
 APPROVED

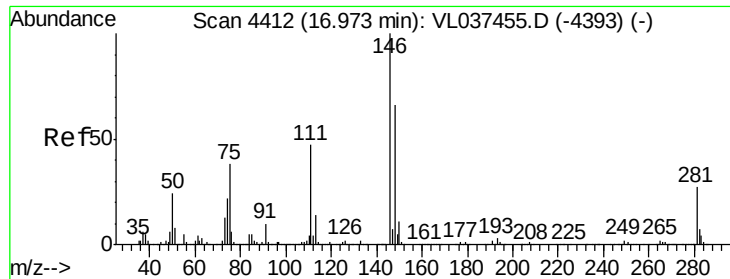
MMDadoda
 8/19/2021 5:58:53 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.754 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion:105 Resp: 5040472
 Ion Ratio Lower Upper
 105 100
 120 50.5 38.2 57.2
 91 55.8 35.4 53.2#
 77 22.2 16.2 24.2





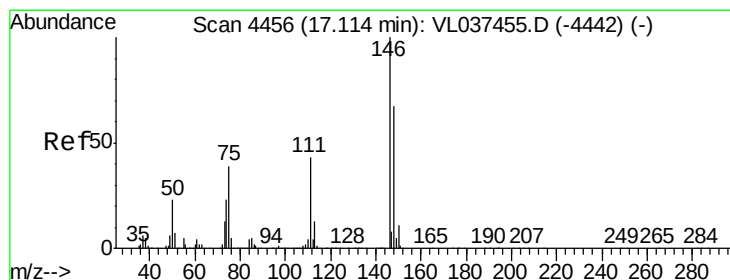
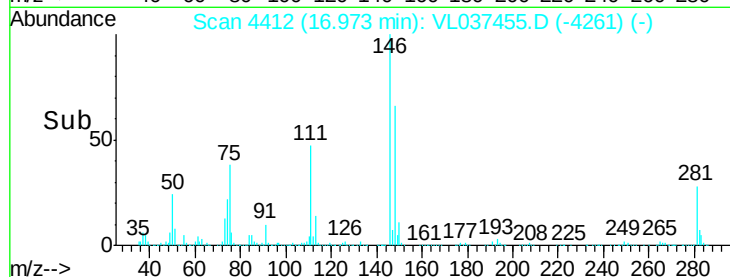
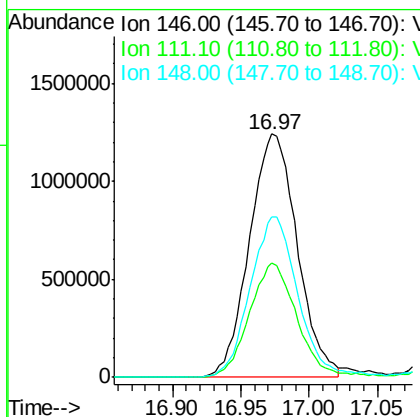
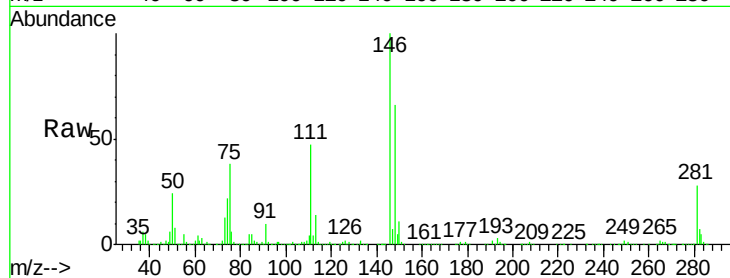
#75
 1,3-Dichlorobenzene
 Concen: 9.555 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.9	68.7
148	66.3	32.0	96.2

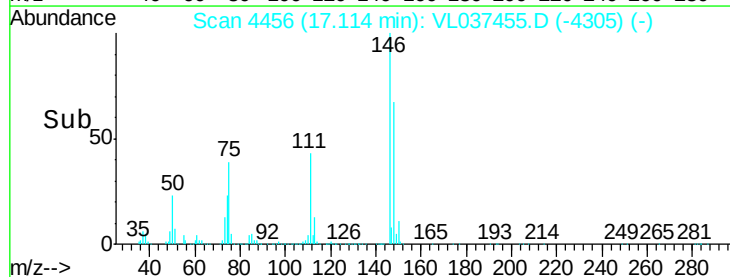
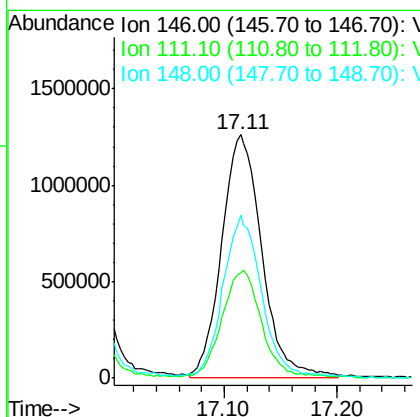
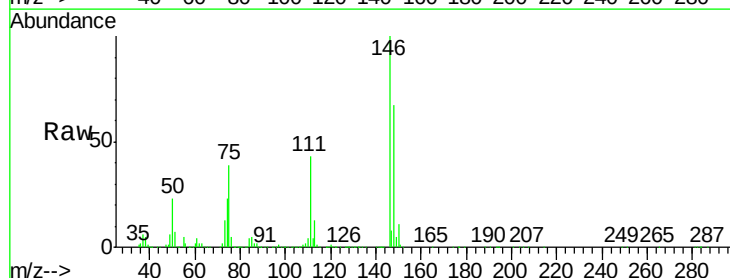
Manual Integrations
 APPROVED

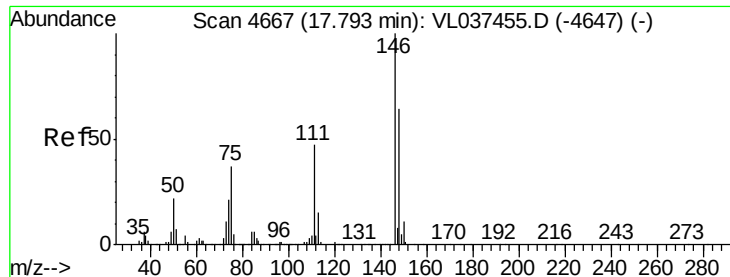
MMDadoda
 8/19/2021 5:58:53 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.995 ppbv m
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.8	68.4
148	64.7	34.0	102.0





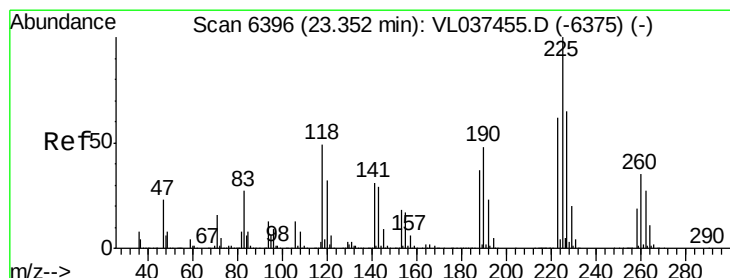
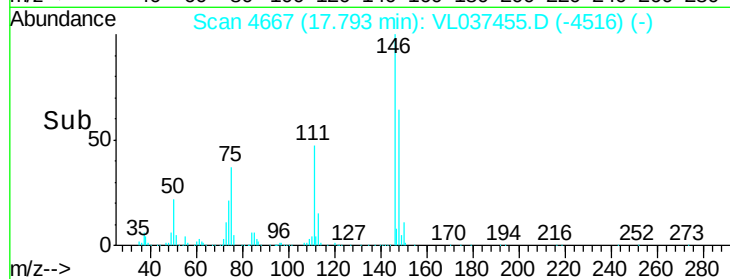
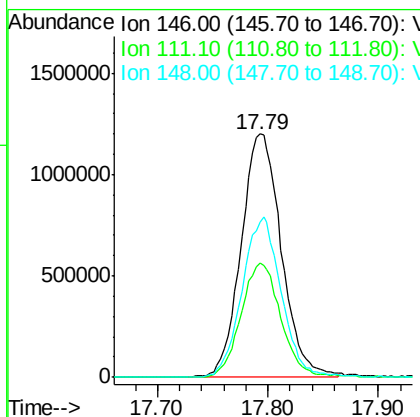
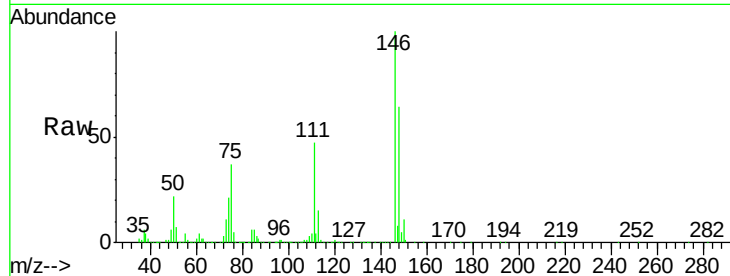
#77
 1,2-Dichlorobenzene
 Concen: 9.909 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.8	71.5
148	65.0	32.5	97.4

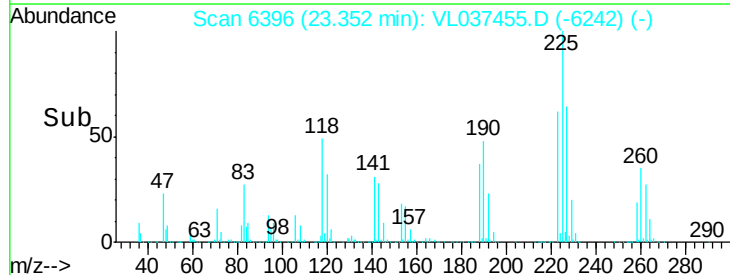
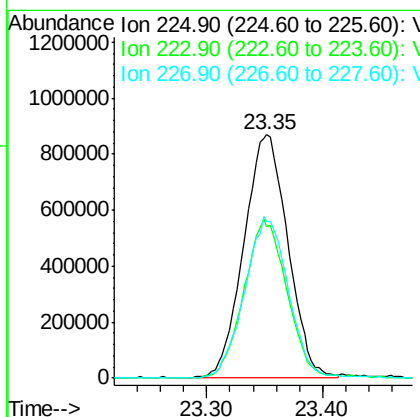
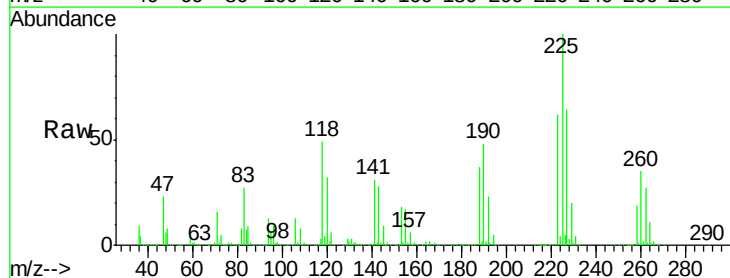
Manual Integrations
 APPROVED

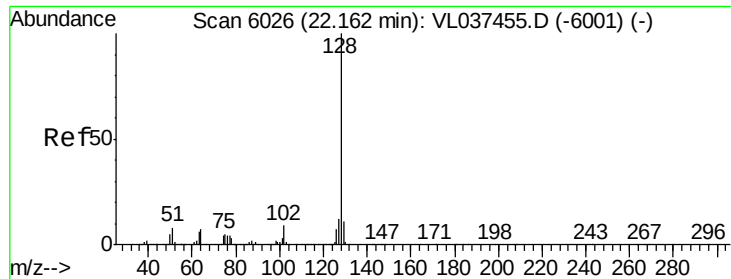
MMDadoda
 8/19/2021 5:58:53 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.268 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.01 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.2	76.8
227	66.1	52.2	78.4





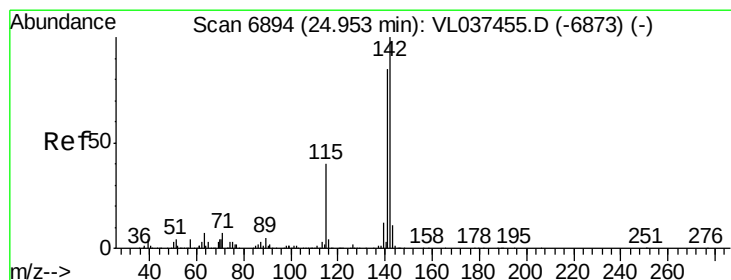
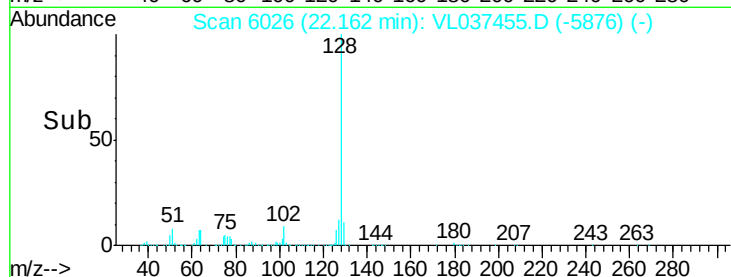
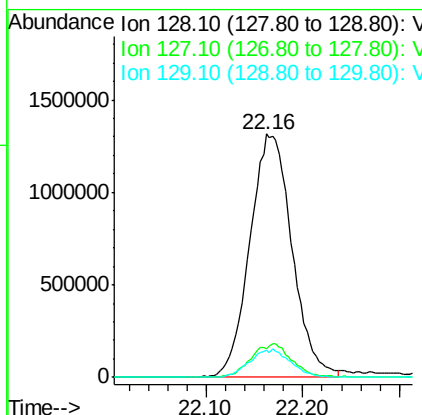
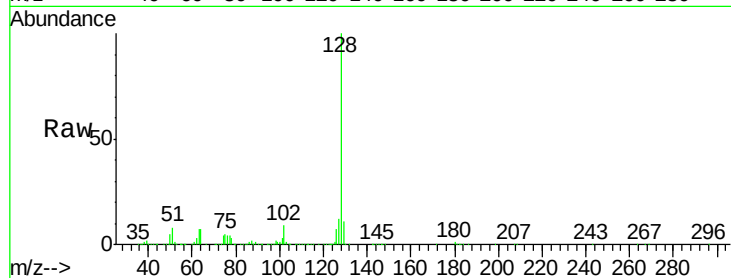
#79
Naphthalene
Concen: 14.146 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.02 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.9	14.9
129	11.0	9.4	14.0

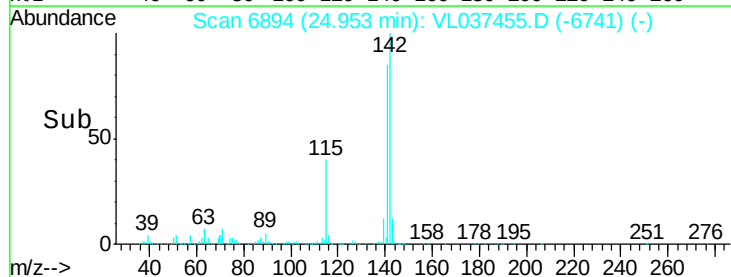
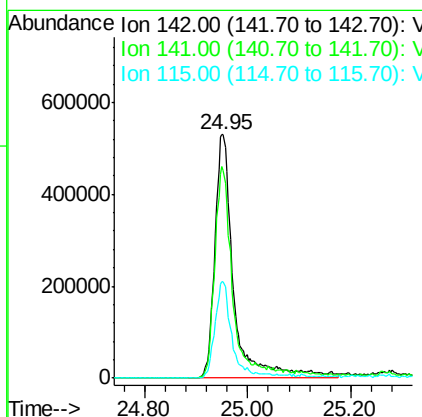
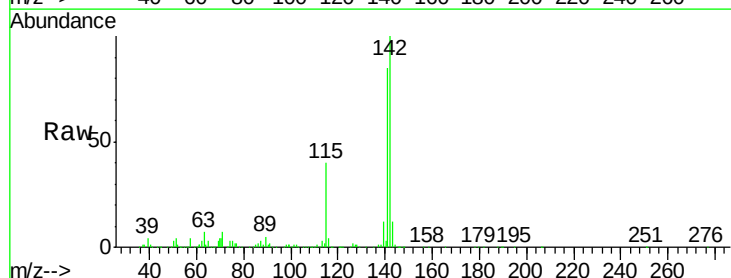
Manual Integrations
APPROVED

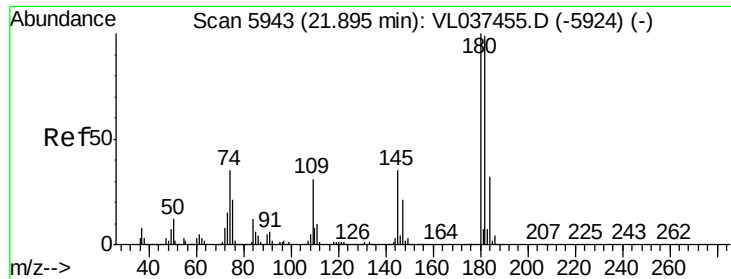
MMDadoda
8/19/2021 5:58:53 PM



#80
Naphthalene, 2-methyl-
Concen: 23.068 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL037455.D
Acq: 16 Aug 2021 10:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.9	68.7	103.1
115	35.5	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 12.228 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.02 min
 Lab File: VL037455.D
 Acq: 16 Aug 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	78.6	118.0
184	31.8	24.6	36.8

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:58:53 PM

