

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092321\
 Data File : VL037670.D
 Acq On : 23 Sep 2021 19:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:33 AM

Quant Time: Sep 24 07:06:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1695517	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	5003381	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4319419m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3297408	10.56	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	2362466	7.700	ppbv	98
3) Chlorodifluoromethane	3.00	51	2826295	8.837	ppbv	99
4) Chloromethane	3.15	50	1068911	9.046	ppbv	95
5) Vinyl Chloride	3.27	62	1096427	9.879	ppbv	99
6) Bromomethane	3.48	94	538723	8.351	ppbv	94
7) Chloroethane	3.56	64	374212	9.022	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2442774	9.229	ppbv	99
9) Propene	3.02	41	1077877	9.555	ppbv	96
10) Heptane	8.13	43	2604877	9.896	ppbv	99
11) Trichlorofluoromethane	3.96	101	2184007	8.867	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1700650	9.354	ppbv	98
13) Ethanol	3.62	45	92756m	8.406	ppbv	
14) Bromoethene	3.75	108	739077	8.930	ppbv	99
15) Acetone	3.86	43	1235504	7.013	ppbv	97
16) 1,3-Butadiene	3.34	39	1032540	9.380	ppbv	100
17) tert-Butyl alcohol	4.29	59	1489140	9.969	ppbv	99
18) 1,1-Dichloroethene	4.29	96	760171	8.975	ppbv	95
19) Isopropyl Alcohol	3.97	45	842381	8.788	ppbv #	97
20) Methylene Chloride	4.35	84	662811	7.881	ppbv	98
21) Allyl Chloride	4.42	41	1265869	9.619	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	785583	9.218	ppbv	91
23) Vinyl Acetate	5.08	43	2047568	8.400	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1558557	8.925	ppbv	99
25) Ethyl Acetate	5.68	43	4047402	9.486	ppbv	99
26) Hexane	5.69	57	1932360	9.534	ppbv	100
27) Carbon Disulfide	4.56	76	1921358	10.363	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1595230	8.936	ppbv	99
29) Chloroform	5.76	83	2661801	8.994	ppbv	99
30) Cyclohexane	7.14	84	1608152	9.278	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1774022	9.642	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2518568	9.141	ppbv	99
34) 2-Butanone	5.25	43	1751633	8.615	ppbv	100
35) Carbon Tetrachloride	7.02	117	2633520	9.305	ppbv	97
36) Benzene	6.90	78	3927027	9.412	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1870725	9.117	ppbv	99
38) Trichloroethene	7.84	130	1549094	8.888	ppbv	99
39) 1,2-Dichloropropane	7.62	63	1495400	9.358	ppbv	99
40) 1,4-Dioxane	7.84	88	362235	9.319	ppbv	78
41) Tetrahydrofuran	6.06	42	976128	10.212	ppbv	98
42) Bromodichloromethane	7.80	83	2817887	9.581	ppbv	95
43) Methyl Methacrylate	8.02	69	1417898	10.215	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092321\
 Data File : VL037670.D
 Acq On : 23 Sep 2021 19:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

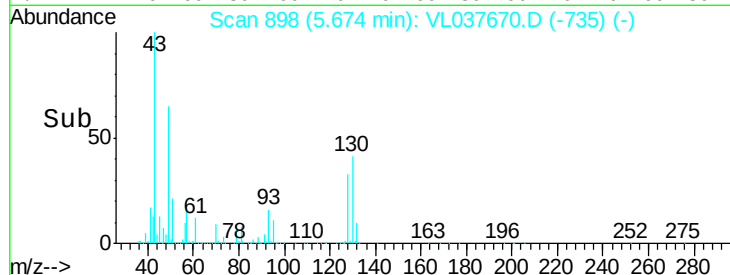
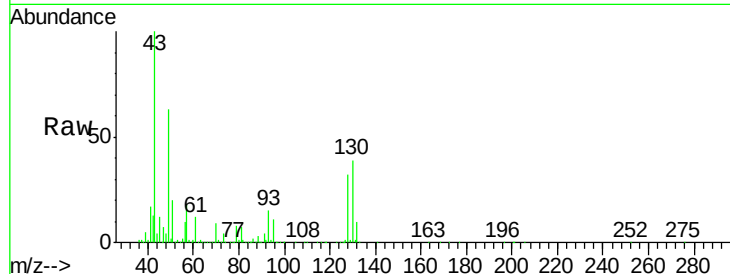
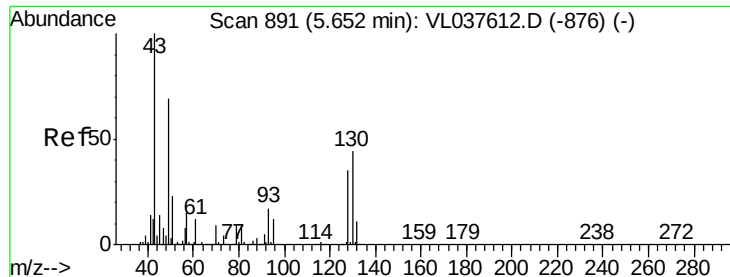
Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:33 AM

Quant Time: Sep 24 07:06:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6553981	9.344	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1026634	9.417	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	1397531	9.490	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1561114	8.831	ppbv	97
48) Dibromochloromethane	10.31	129	2474926	10.036	ppbv	99
49) Bromoform	13.04	173	2019630	10.233	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2544349	9.859	ppbv	100
51) 2-Hexanone	10.14	43	1169306	10.269	ppbv #	97
52) Tetrachloroethene	11.23	164	1431836	8.939	ppbv	99
53) Toluene	9.81	91	4500559	9.705	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2205964	9.114	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1699962	9.488	ppbv #	50
57) Chlorobenzene	12.15	112	3229694	8.994	ppbv	100
58) Ethyl Benzene	12.72	91	5708022	9.955	ppbv	100
59) m/p-Xylene	13.00	91	9492479m	18.997	ppbv	
60) o-Xylene	13.70	91	4517829	9.500	ppbv	99
61) Styrene	13.53	104	2525252	10.768	ppbv	99
62) Isopropylbenzene	14.67	105	6288180	9.465	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3285267	8.827	ppbv	99
64) n-propylbenzene	15.56	120	1706419	9.953	ppbv	93
65) tert-Butylbenzene	16.74	119	5510473	9.199	ppbv	100
66) Benzyl Chloride	16.99	91	294411m	8.994	ppbv	
67) sec-Butylbenzene	17.29	105	7652384	9.416	ppbv	99
69) p-Isopropyltoluene	17.65	119	6383642	9.614	ppbv	100
70) n-Butylbenzene	18.55	91	6156542	9.800	ppbv	100
71) 2-Chlorotoluene	15.45	91	4603589	9.669	ppbv	98
72) 4-Ethyltoluene	15.84	105	5392110	9.877	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4901813	9.633	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4975171	9.282	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	3063990	9.201	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2891156	8.803	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2916353	9.233	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2149995	8.088	ppbv	99
79) Naphthalene	22.19	128	3616149	10.988	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	945484	12.569	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2141313	10.134	ppbv	98

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



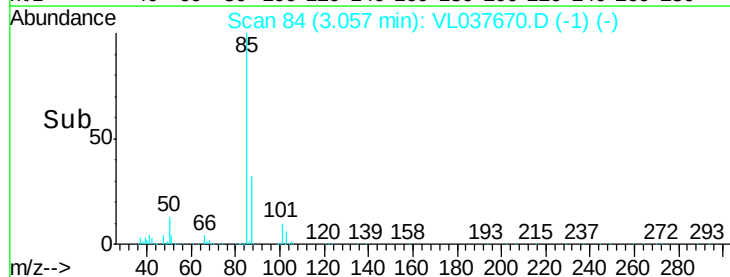
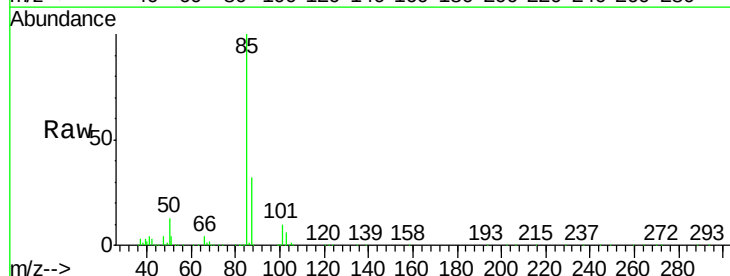
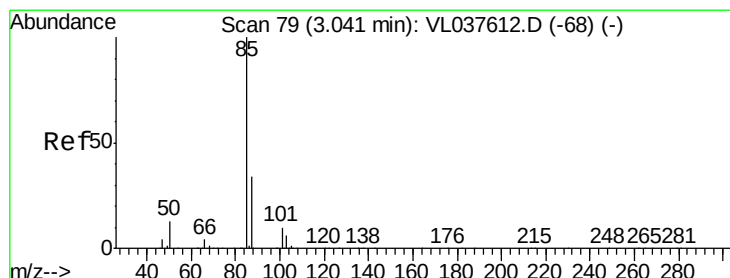
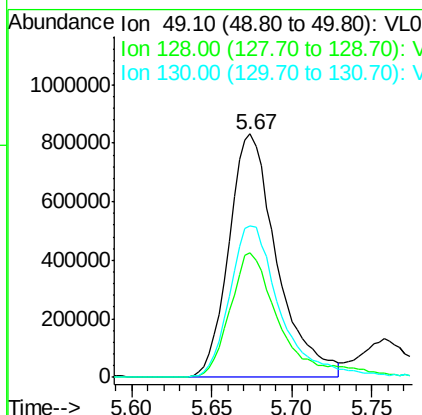
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 49 Resp: 1695517
 Ion Ratio Lower Upper
 49 100
 128 54.7 27.9 83.6
 130 66.8 33.9 101.7

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

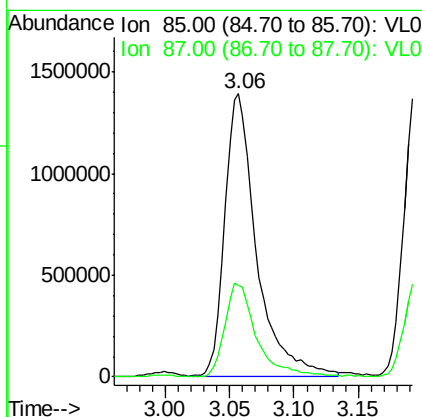
Manual Integrations
 APPROVED

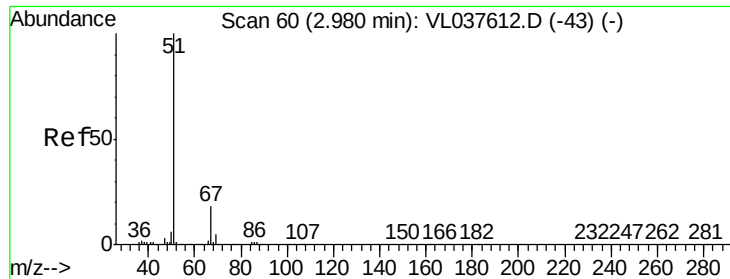
MMDadoda
 9/27/2021 10:56:33 AM



#2
 Dichlorodifluoromethane
 Concen: 7.700 ppbv
 RT: 3.06 min Scan# 84
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 85 Resp: 2362466
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.8 40.2





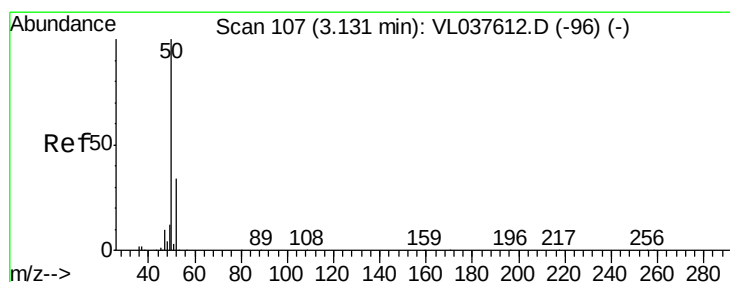
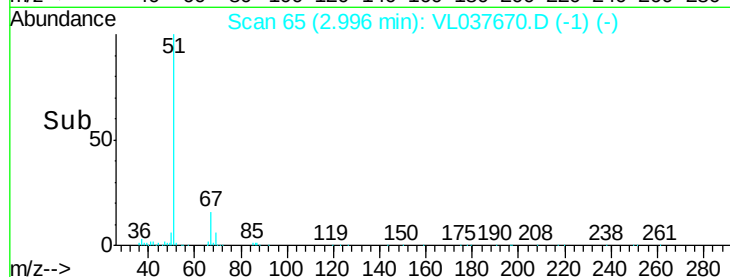
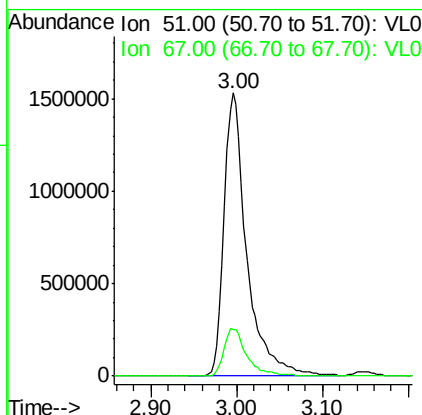
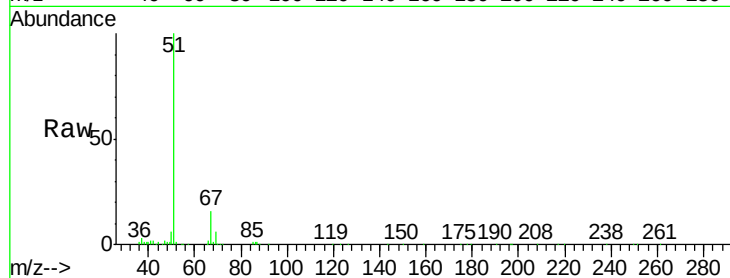
#3
Chlorodifluoromethane
Concen: 8.837 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 2826295
Ion Ratio Lower Upper
51 100
67 17.1 14.0 21.0

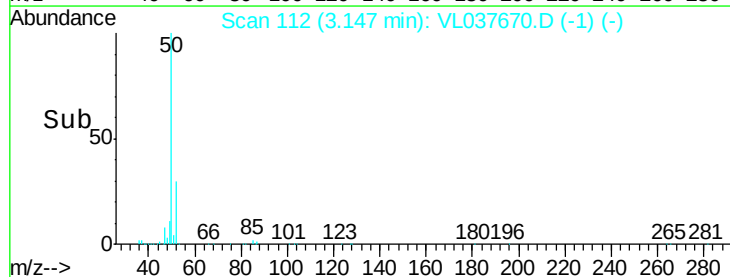
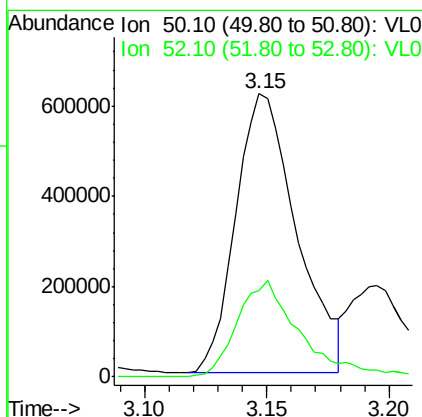
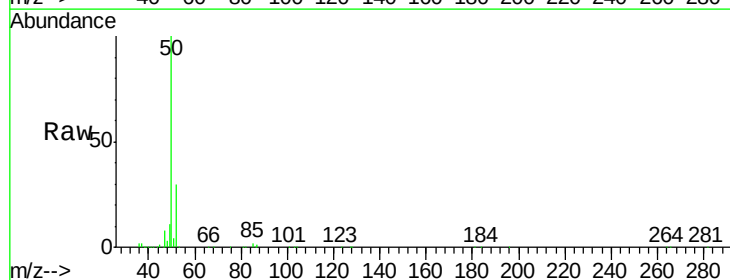
Manual Integrations
APPROVED

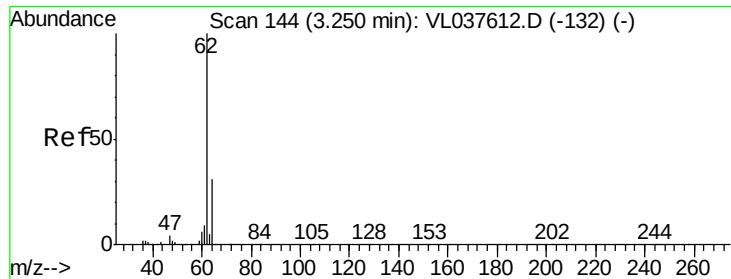
MMDadoda
9/27/2021 10:56:33 AM



#4
Chloromethane
Concen: 9.046 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 50 Resp: 1068911
Ion Ratio Lower Upper
50 100
52 30.8 27.1 40.7





#5

Vinyl Chloride

Concen: 9.879 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 1096427

Ion Ratio Lower Upper

62 100

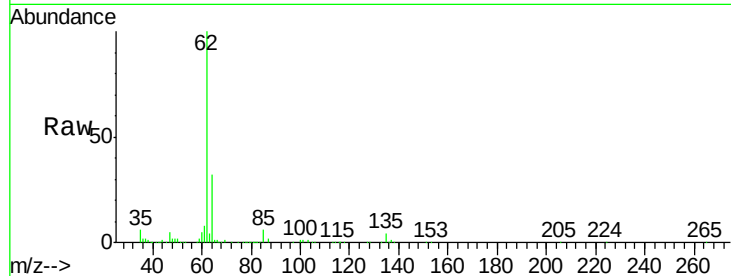
64 31.4 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

9/27/2021 10:56:33 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

600000

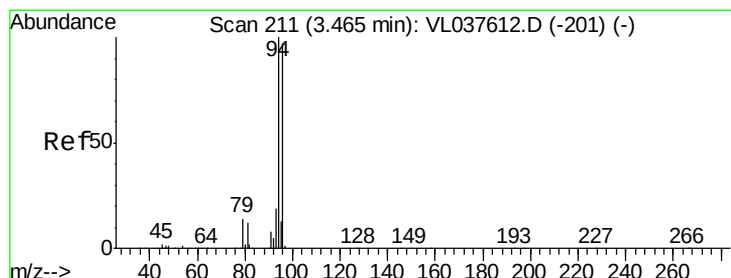
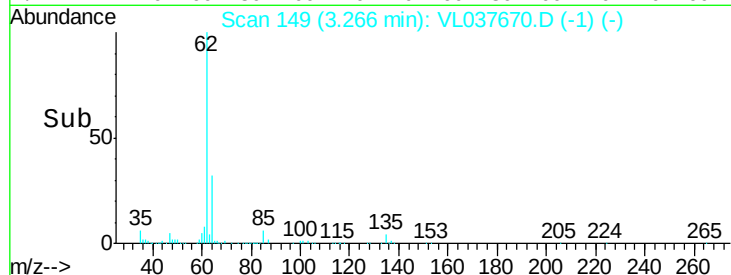
400000

200000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 8.351 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL037670.D

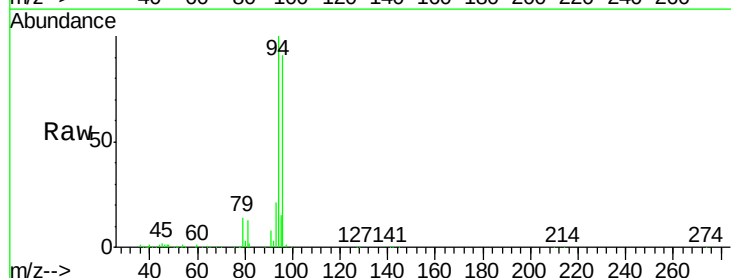
Acq: 23 Sep 2021 19:47

Tgt Ion: 94 Resp: 538723

Ion Ratio Lower Upper

94 100

96 90.8 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

300000

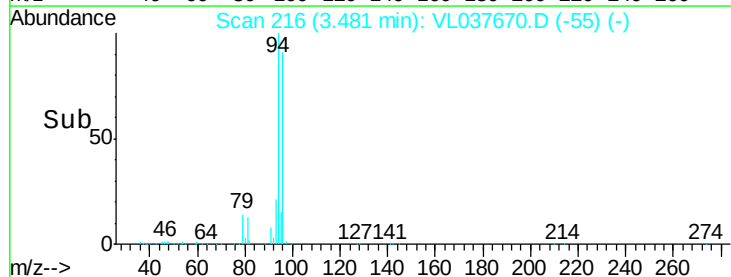
200000

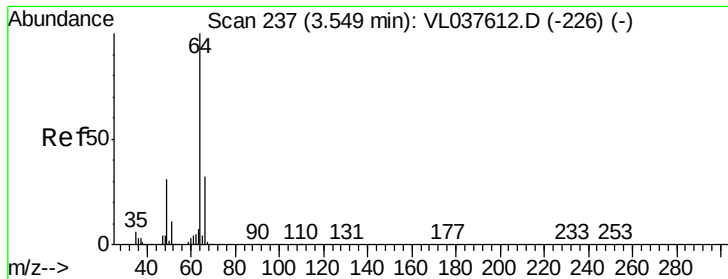
100000

0

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 9.022 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 374212

Ion Ratio Lower Upper

64 100

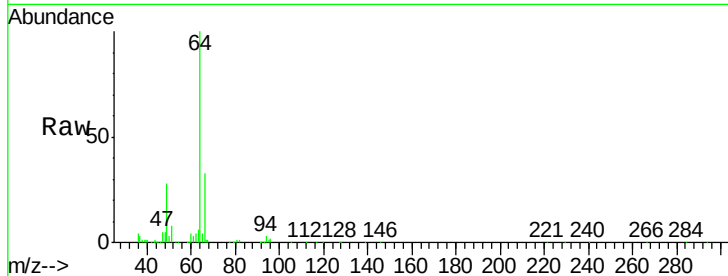
66 33.2 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

9/27/2021 10:56:33 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

250000

200000

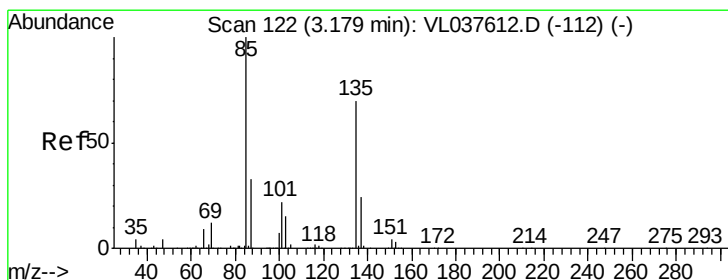
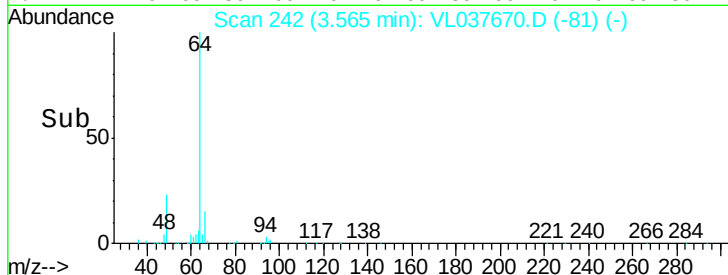
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.229 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.02 min

Lab File: VL037670.D

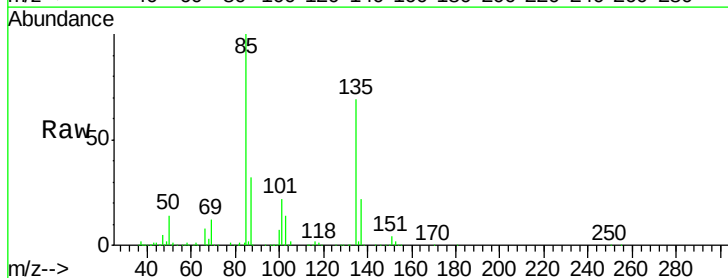
Acq: 23 Sep 2021 19:47

Tgt Ion: 85 Resp: 2442774

Ion Ratio Lower Upper

85 100

135 73.2 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

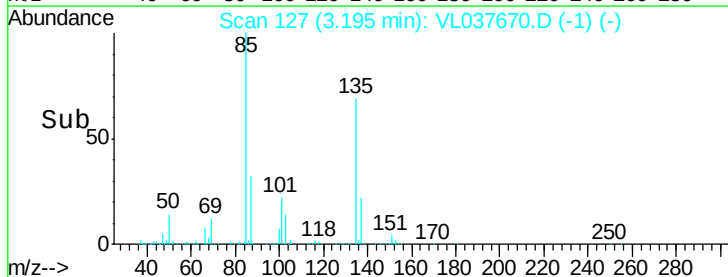
1500000

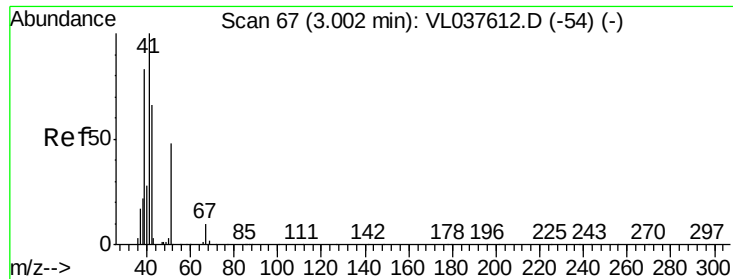
1000000

500000

0

Time-->





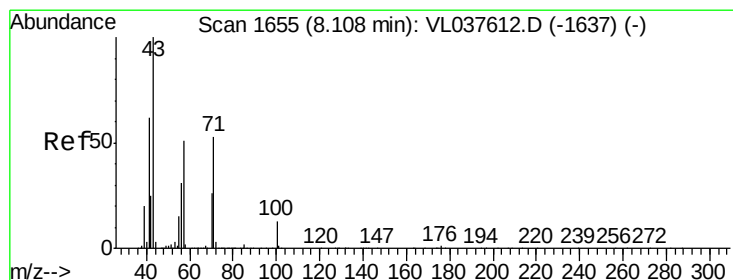
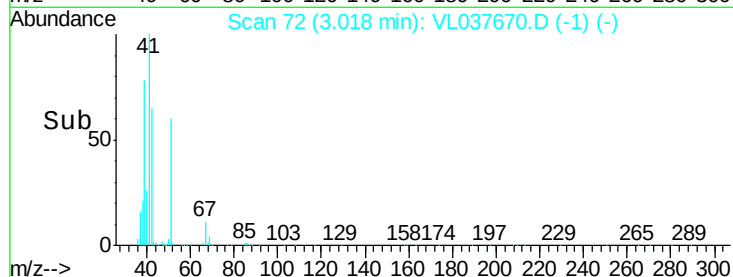
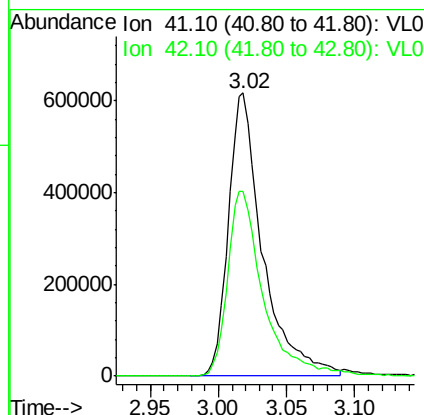
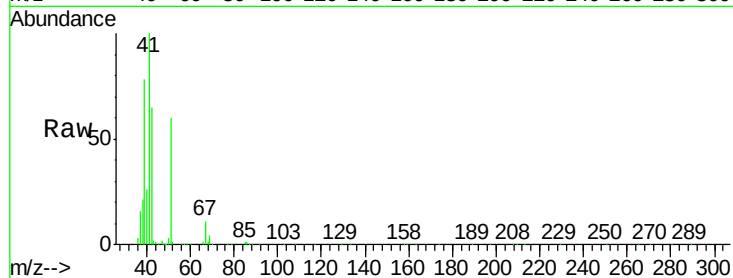
#9
Propene
Concen: 9.555 ppbv
RT: 3.02 min Scan# 72
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 1077877
Ion Ratio Lower Upper
41 100
42 68.5 57.2 85.8

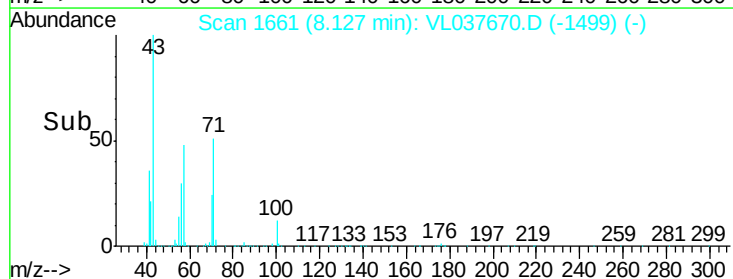
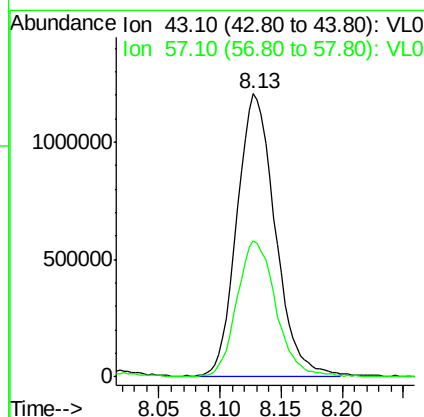
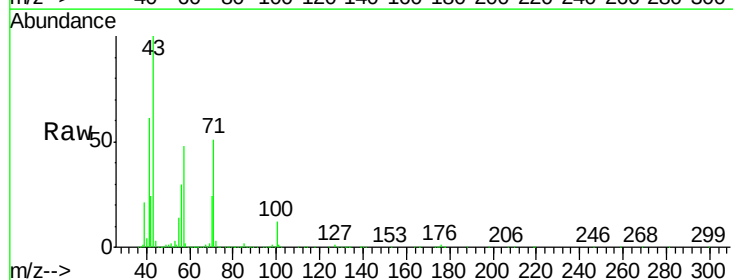
Manual Integrations
APPROVED

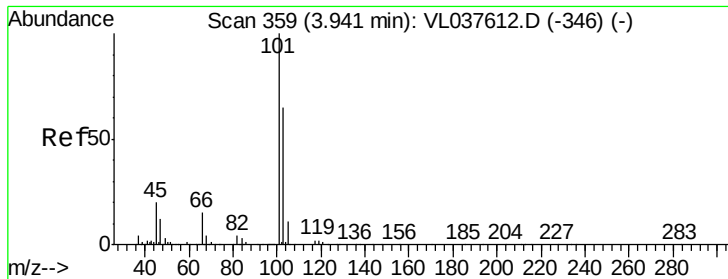
MMDadoda
9/27/2021 10:56:33 AM



#10
Heptane
Concen: 9.896 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 43 Resp: 2604877
Ion Ratio Lower Upper
43 100
57 49.4 40.1 60.1





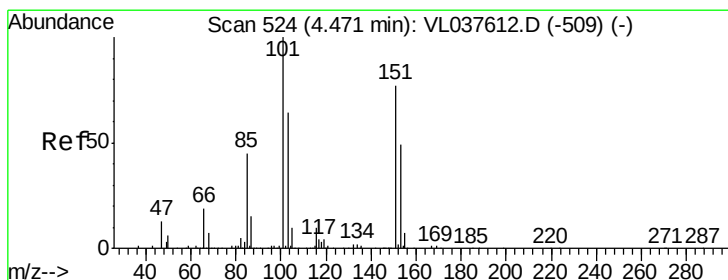
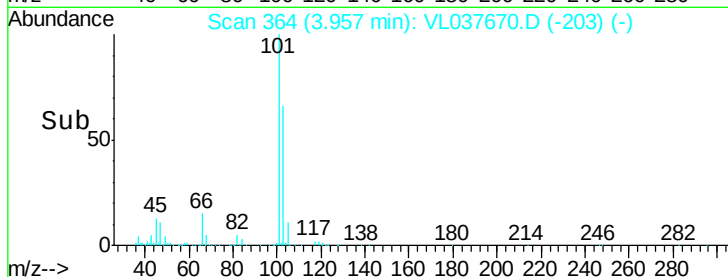
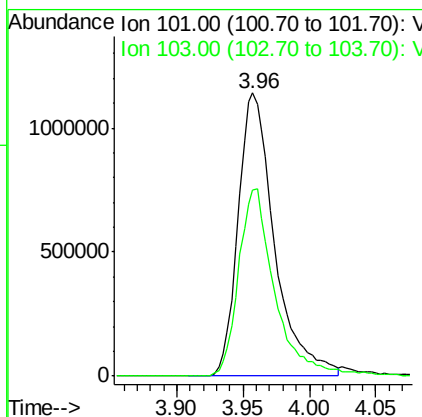
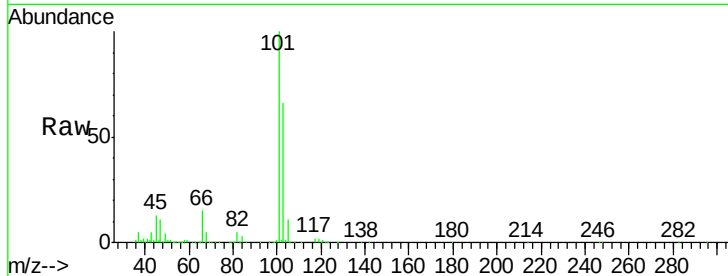
#11
 Trichlorofluoromethane
 Concen: 8.867 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 2184007
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.9 77.9

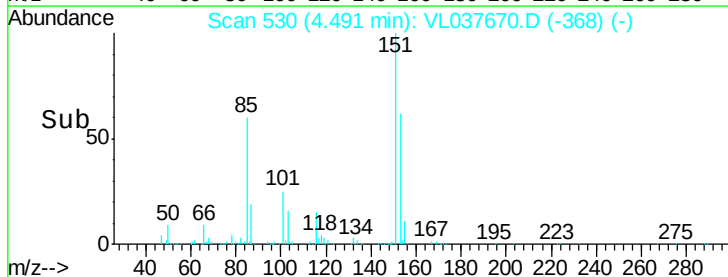
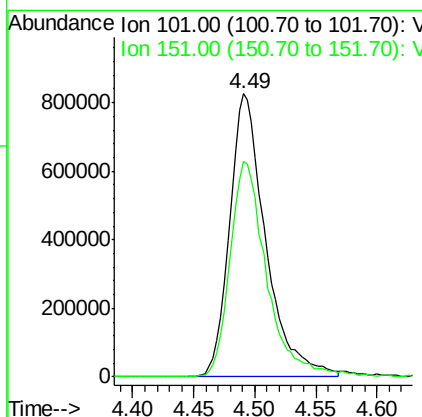
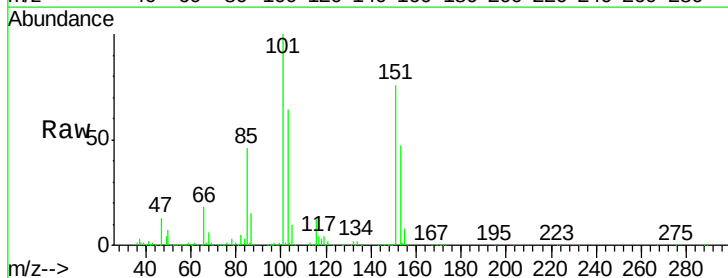
Manual Integrations
 APPROVED

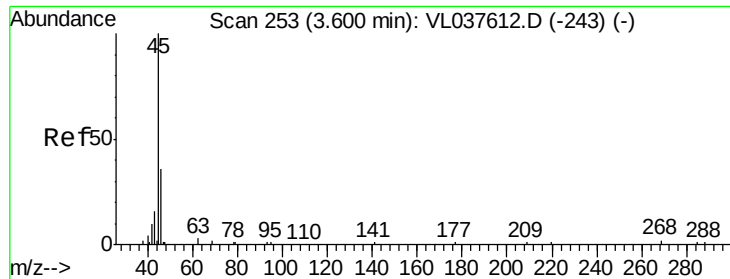
MMDadoda
 9/27/2021 10:56:33 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.354 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion:101 Resp: 1700650
 Ion Ratio Lower Upper
 101 100
 151 78.0 63.5 95.3





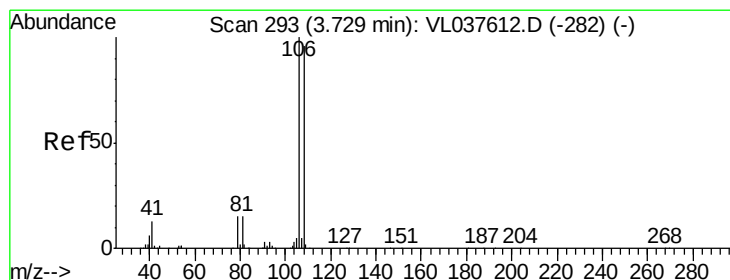
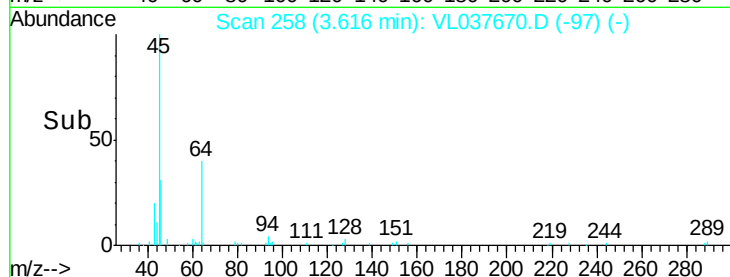
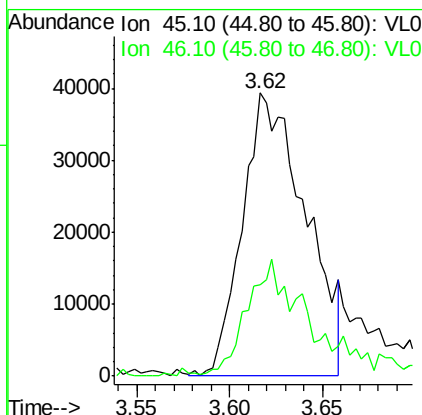
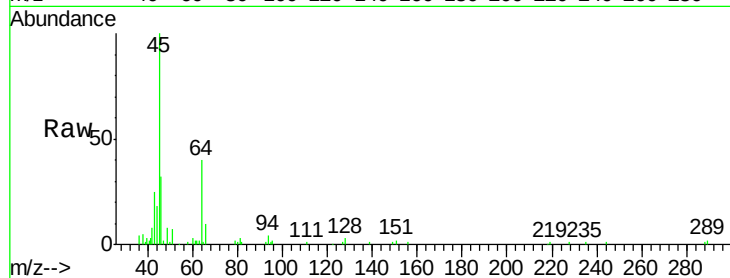
#13
Ethanol
Concen: 8.406 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 92756
Ion Ratio Lower Upper
45 100
46 0.0 17.2 68.8#

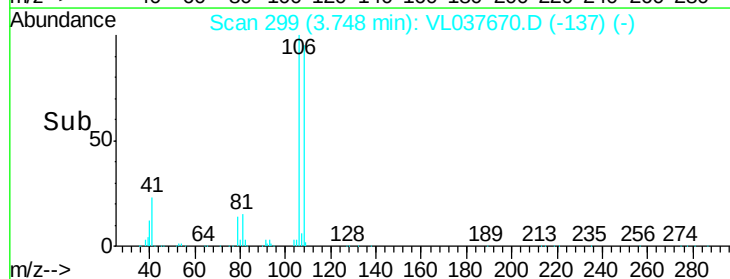
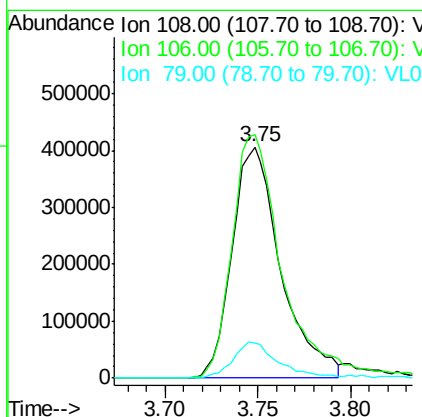
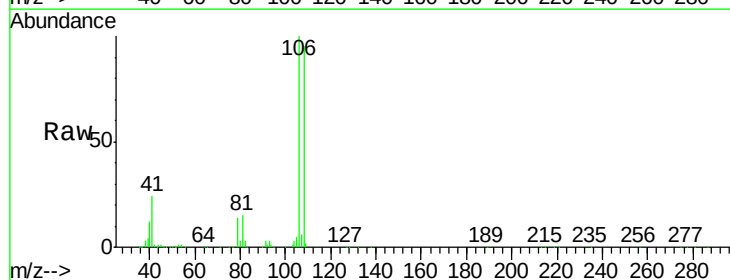
Manual Integrations
APPROVED

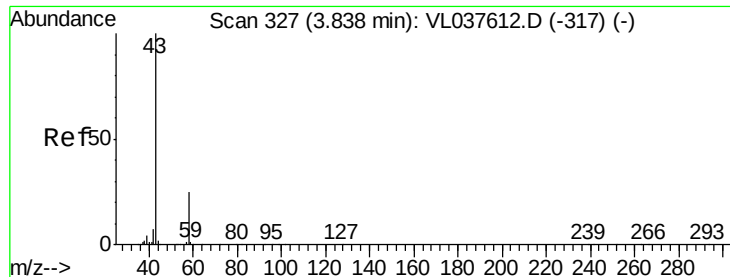
MMDadoda
9/27/2021 10:56:33 AM



#14
Bromoethene
Concen: 8.930 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 108 Resp: 739077
Ion Ratio Lower Upper
108 100
106 111.5 88.2 132.4
79 15.7 12.8 19.2





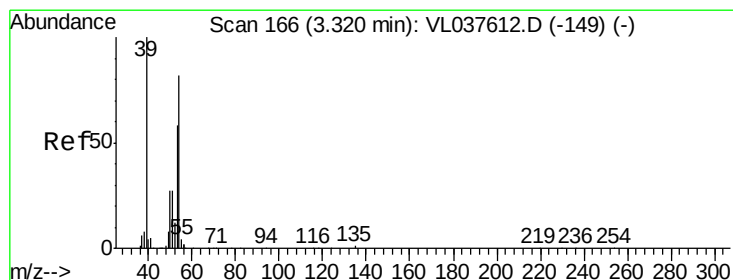
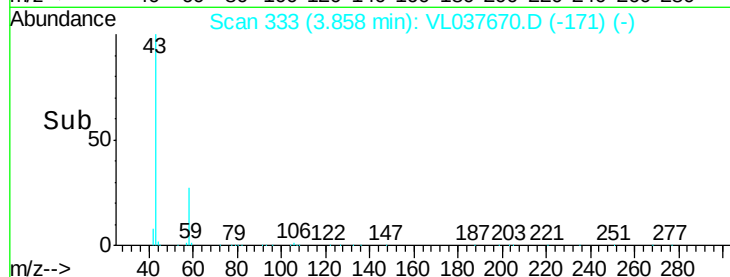
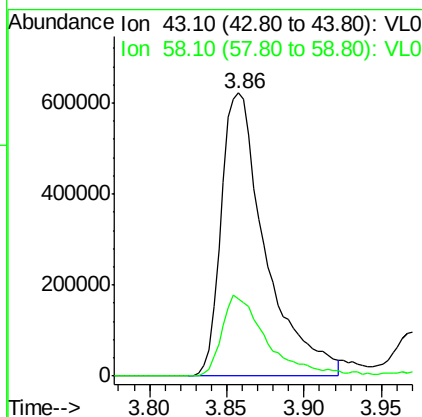
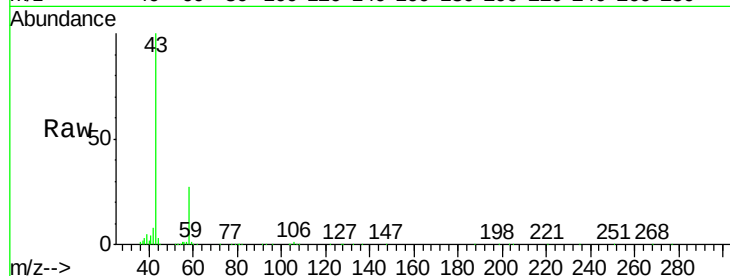
#15
Acetone
Concen: 7.013 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1235504
Ion Ratio Lower Upper
43 100
58 29.4 24.9 37.3

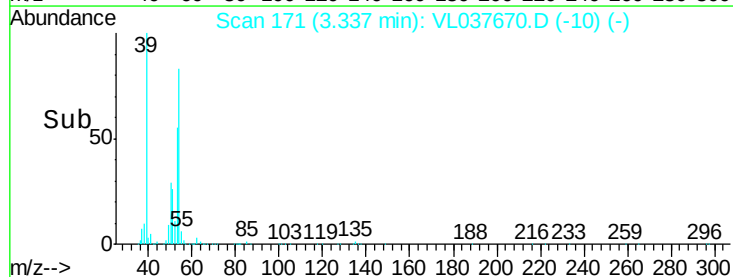
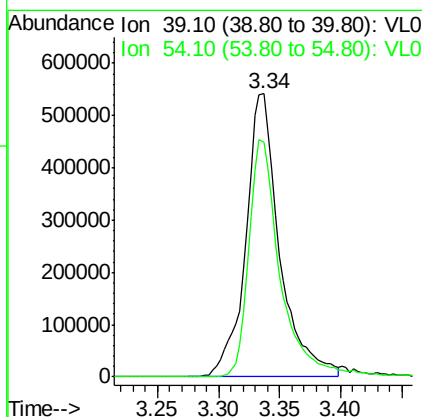
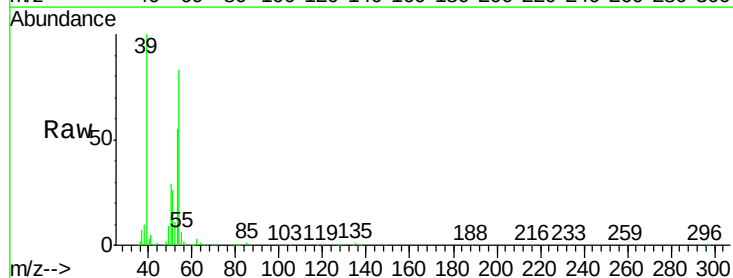
Manual Integrations
APPROVED

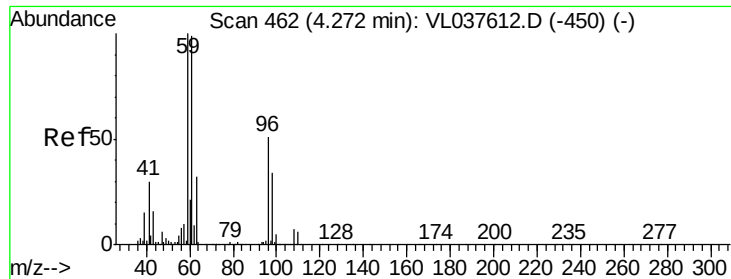
MMDadoda
9/27/2021 10:56:33 AM



#16
1,3-Butadiene
Concen: 9.380 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 39 Resp: 1032540
Ion Ratio Lower Upper
39 100
54 78.6 62.6 93.8





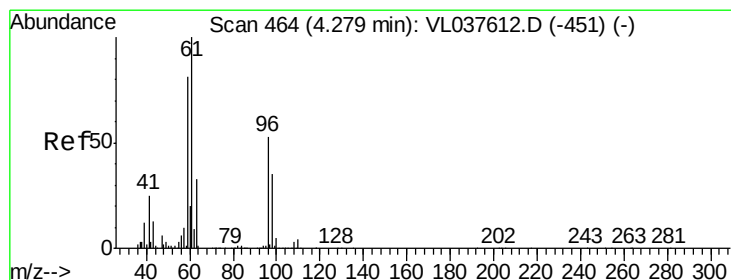
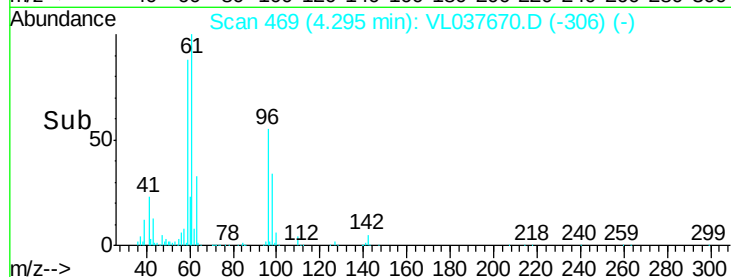
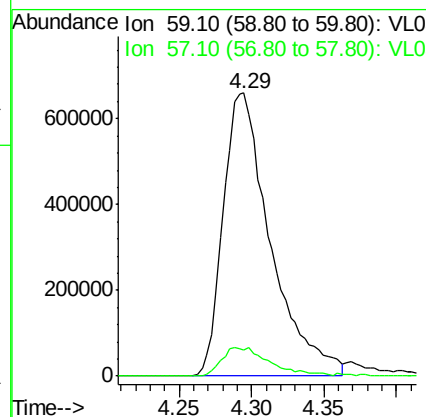
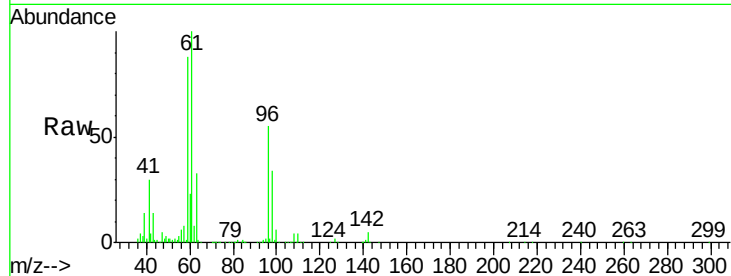
#17
 tert-Butyl alcohol
 Concen: 9.969 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 59 Resp: 1489140
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.4 12.6

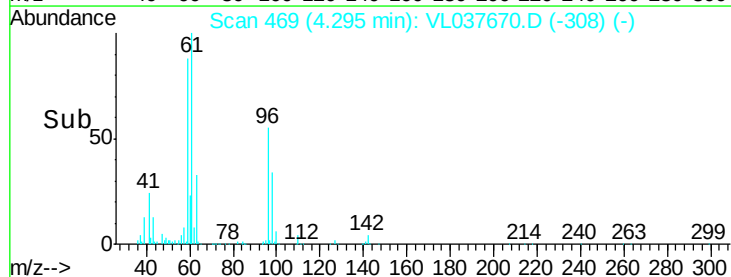
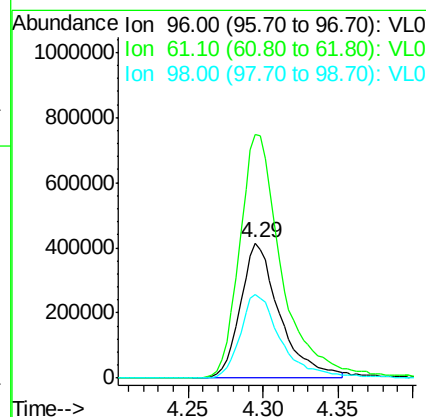
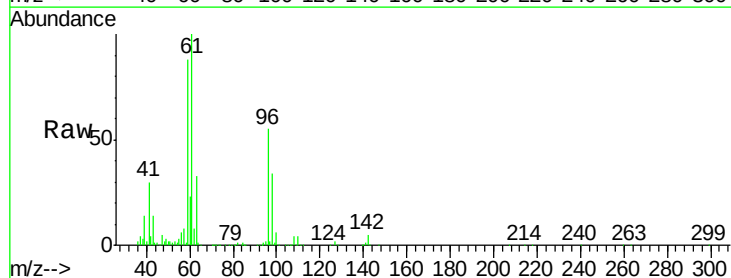
Manual Integrations
 APPROVED

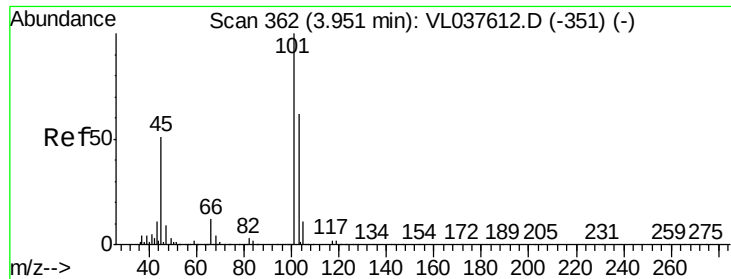
MMDadoda
 9/27/2021 10:56:33 AM



#18
 1,1-Dichloroethene
 Concen: 8.975 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 96 Resp: 760171
 Ion Ratio Lower Upper
 96 100
 61 180.2 150.4 225.6
 98 61.8 52.1 78.1





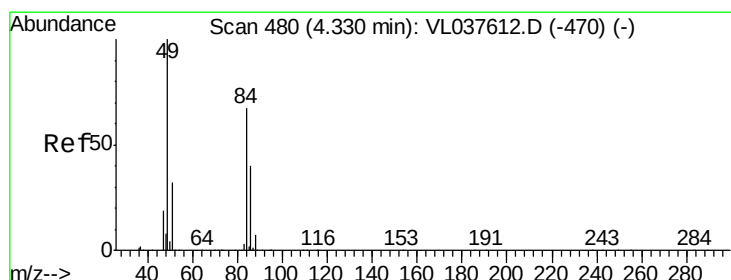
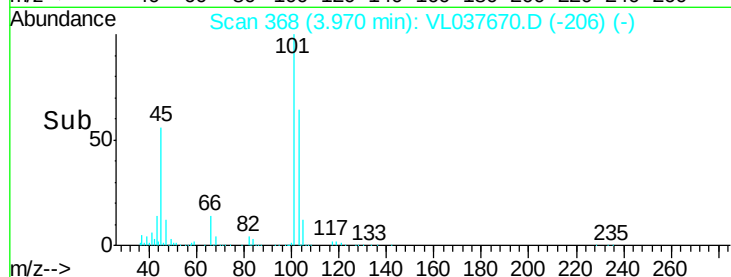
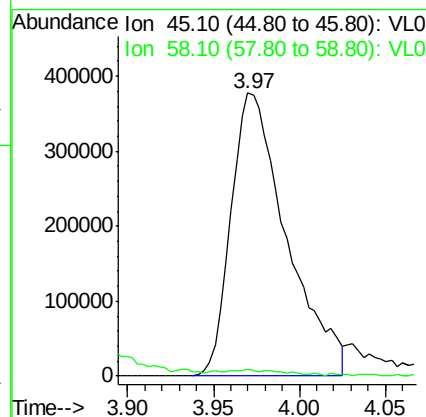
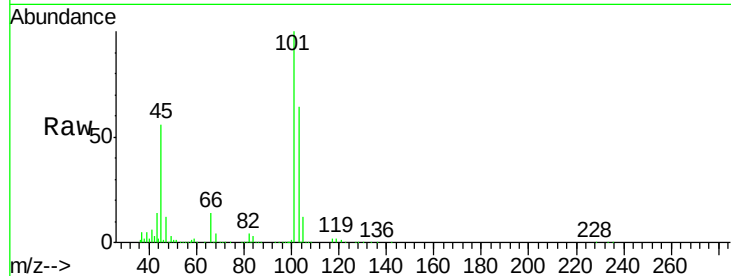
#19
Isopropyl Alcohol
Concen: 8.788 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 842381
Ion Ratio Lower Upper
45 100
58 2.8 2.9 4.3#

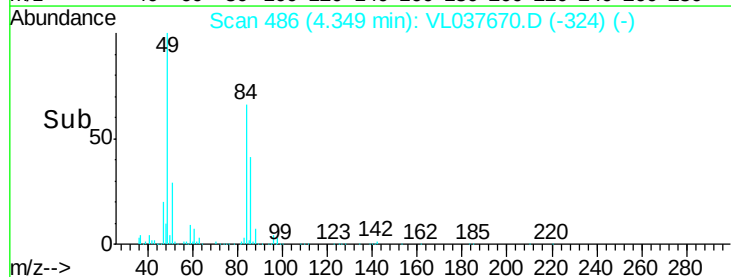
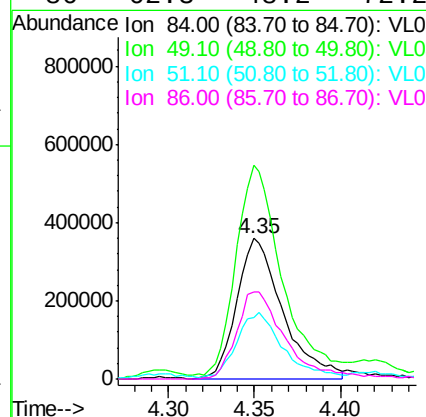
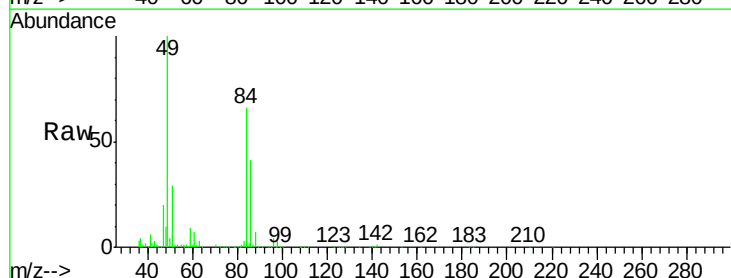
Manual Integrations
APPROVED

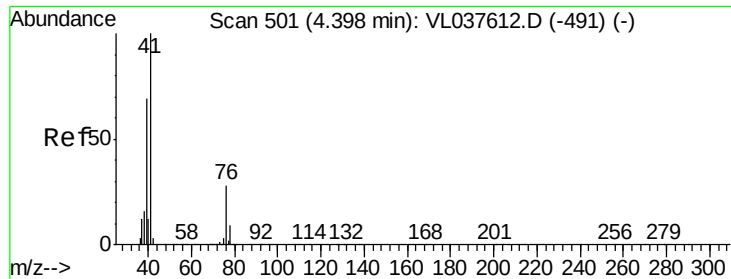
MMDadoda
9/27/2021 10:56:33 AM



#20
Methylene Chloride
Concen: 7.881 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 84 Resp: 662811
Ion Ratio Lower Upper
84 100
49 150.5 120.0 180.0
51 42.3 38.0 57.0
86 62.3 48.2 72.2





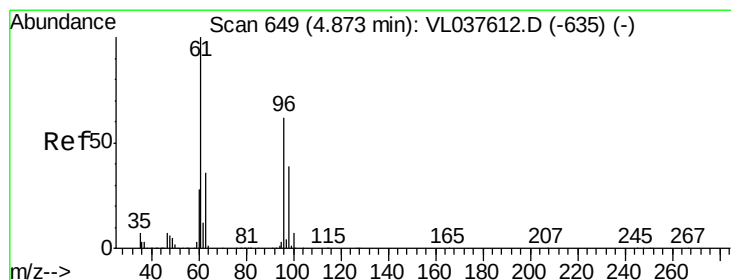
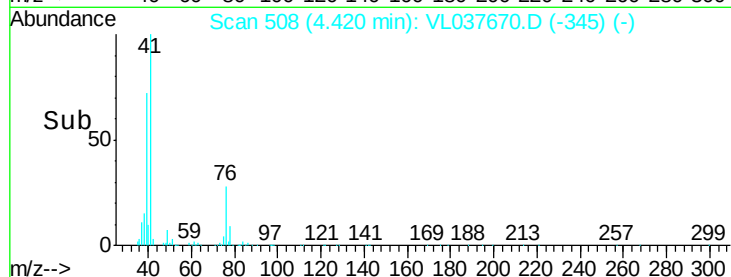
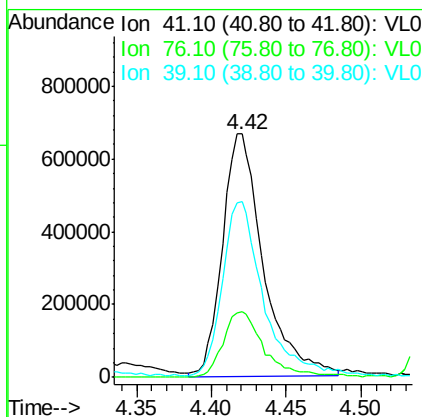
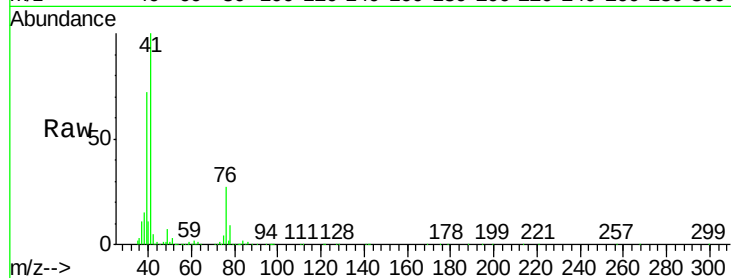
#21
 Allyl Chloride
 Concen: 9.619 ppbv
 RT: 4.42 min Scan# 508
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 1265869
 Ion Ratio Lower Upper
 41 100
 76 27.6 23.1 34.7
 39 72.8 61.0 91.6

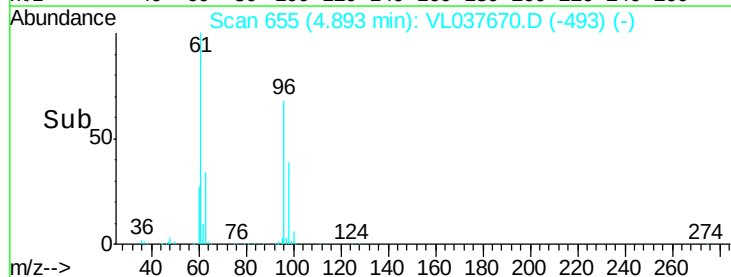
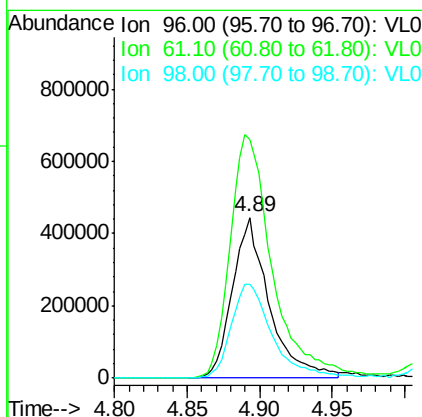
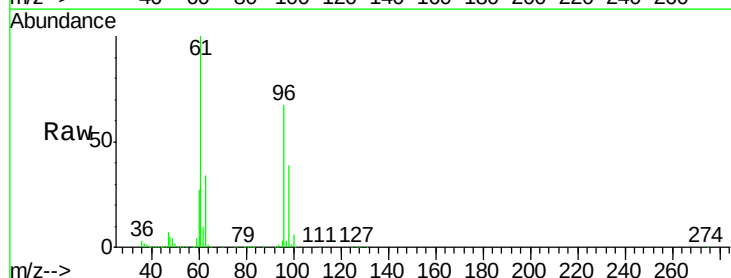
Manual Integrations
 APPROVED

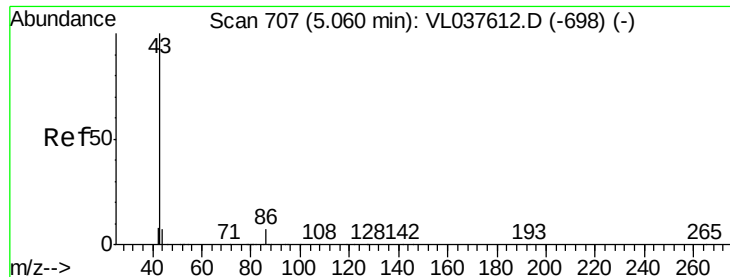
MMDadoda
 9/27/2021 10:56:33 AM



#22
 trans-1,2-Dichloroethene
 Concen: 9.218 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 96 Resp: 785583
 Ion Ratio Lower Upper
 96 100
 61 148.5 129.2 193.8
 98 58.2 50.4 75.6





#23

Vinyl Acetate

Concen: 8.400 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2047568

Ion Ratio Lower Upper

43 100

86 6.6 5.0 7.6

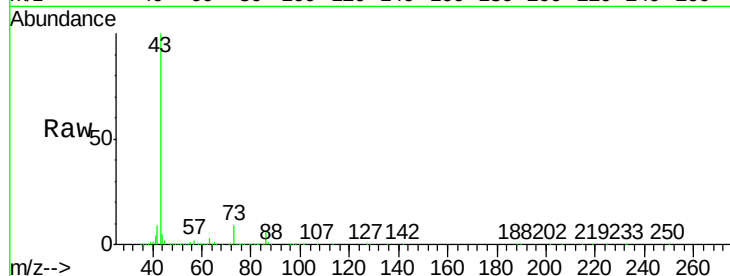
42 8.6 7.5 11.3

44 4.7 4.7 7.1#

Manual Integrations
APPROVED

MMDadoda

9/27/2021 10:56:33 AM

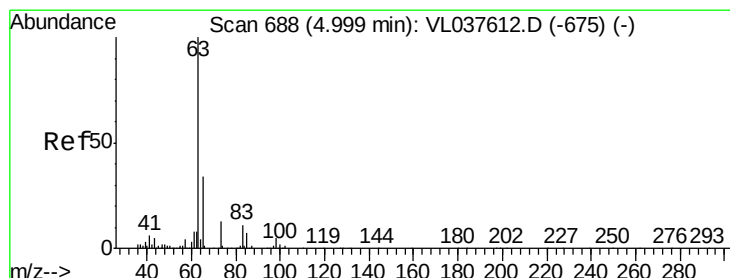
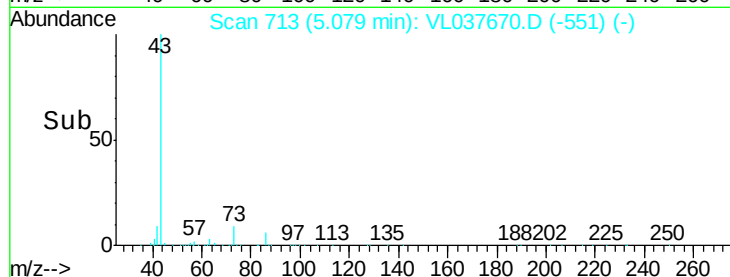
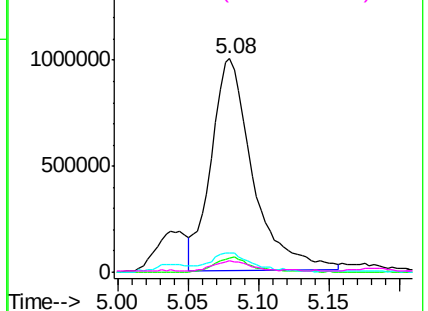


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.925 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

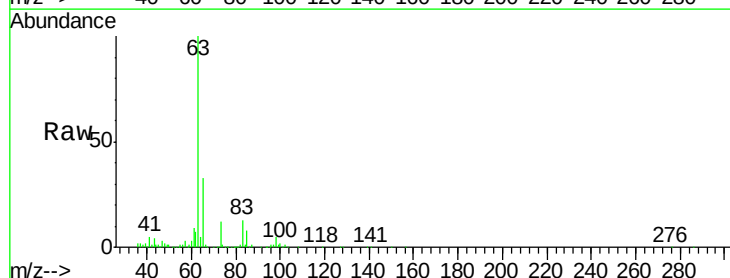
Tgt Ion: 63 Resp: 1558557

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.2

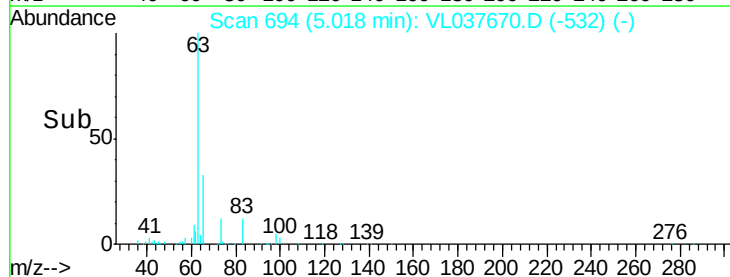
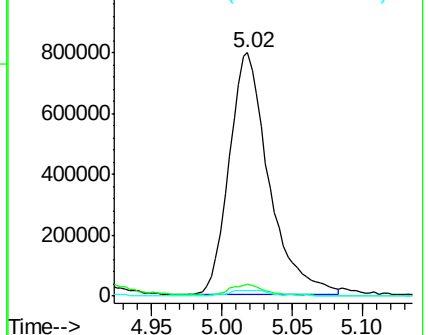
100 2.4 1.1 3.5

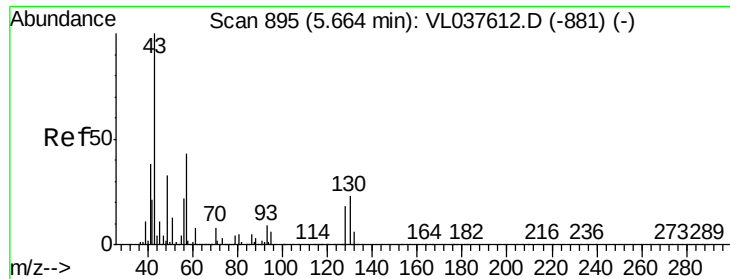


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





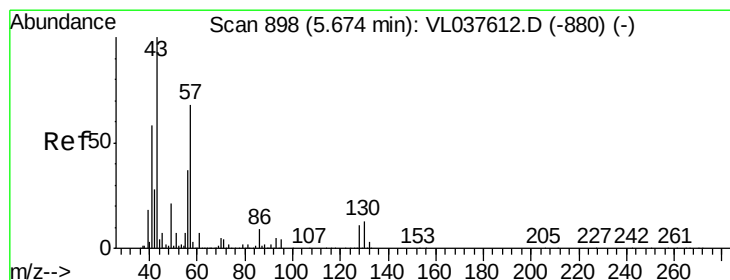
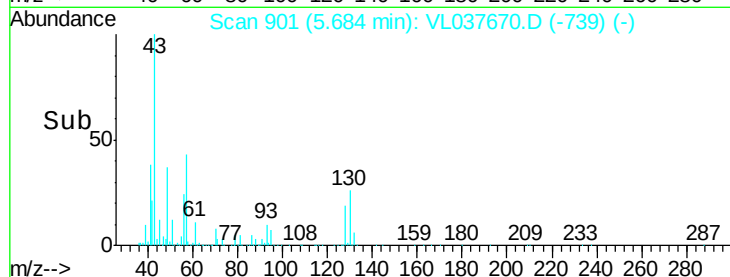
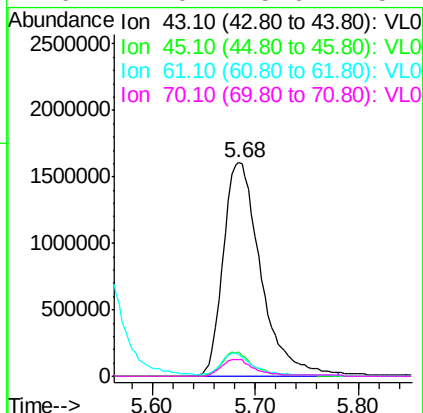
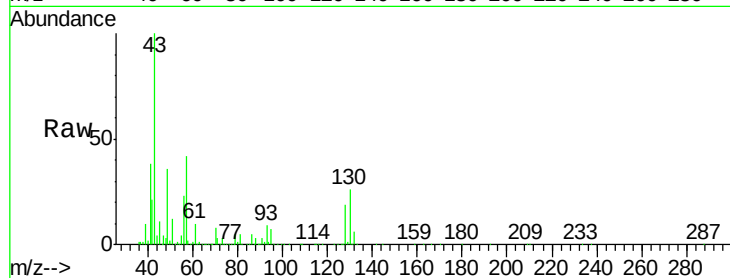
#25
Ethyl Acetate
Concen: 9.486 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 4047402
Ion Ratio Lower Upper
43 100
45 9.8 8.0 12.0
61 10.1 7.5 11.3
70 7.0 5.6 8.4

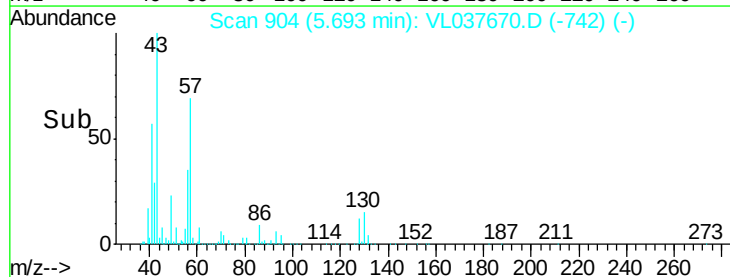
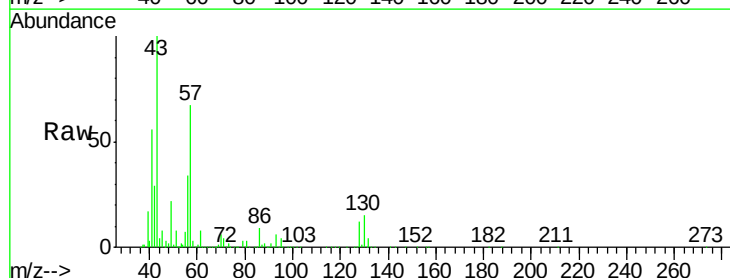
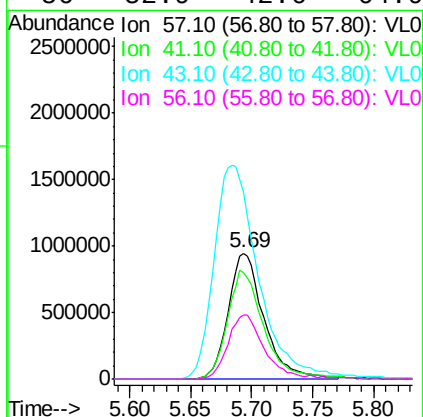
Manual Integrations
APPROVED

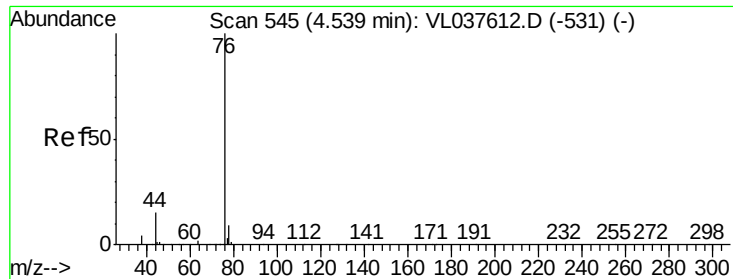
MMDadoda
9/27/2021 10:56:33 AM



#26
Hexane
Concen: 9.534 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 57 Resp: 1932360
Ion Ratio Lower Upper
57 100
41 89.1 70.9 106.3
43 213.0 170.4 255.6
56 52.9 42.6 64.0





#27

Carbon Disulfide

Concen: 10.363 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1921358

Ion Ratio Lower Upper

76 100

44 17.1 14.2 21.2

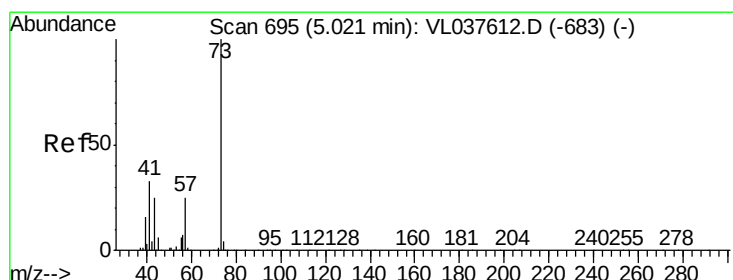
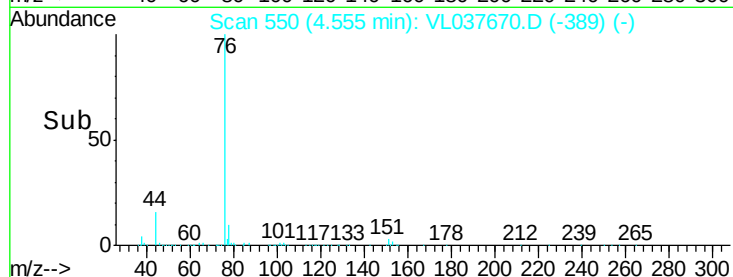
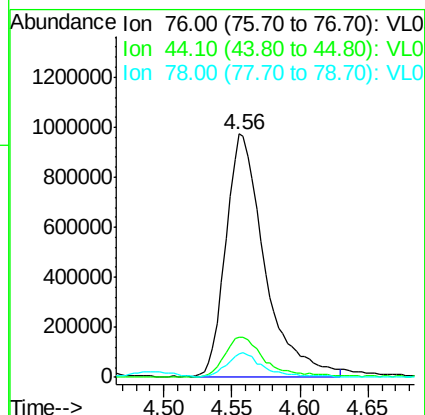
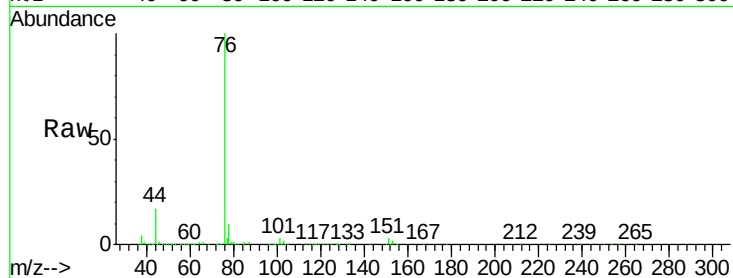
78 10.1 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

9/27/2021 10:56:33 AM



#28

Methyl tert-Butyl Ether

Concen: 8.936 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL037670.D

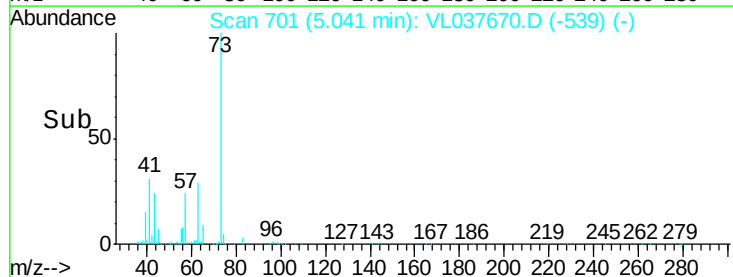
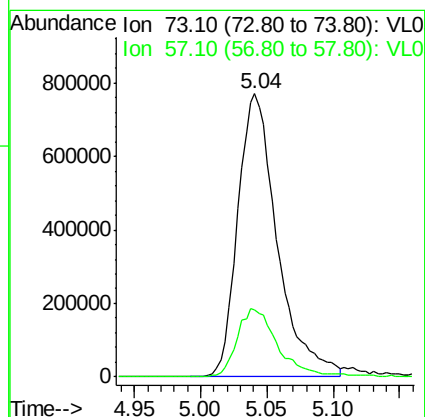
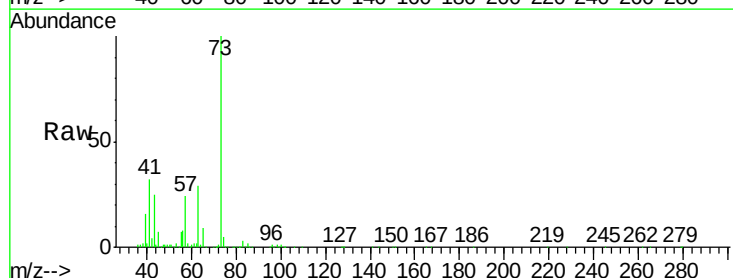
Acq: 23 Sep 2021 19:47

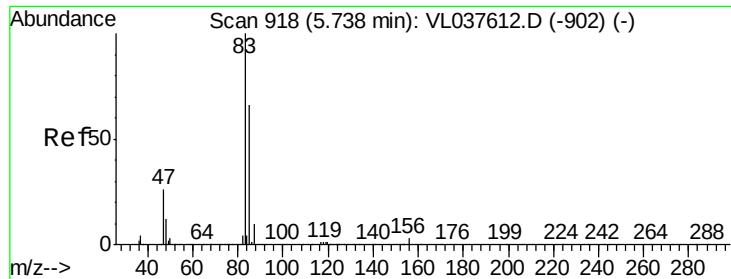
Tgt Ion: 73 Resp: 1595230

Ion Ratio Lower Upper

73 100

57 25.4 20.1 30.1





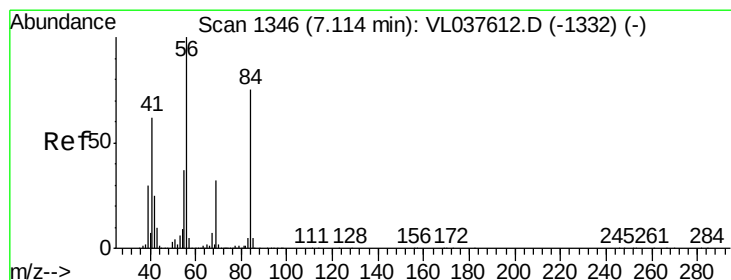
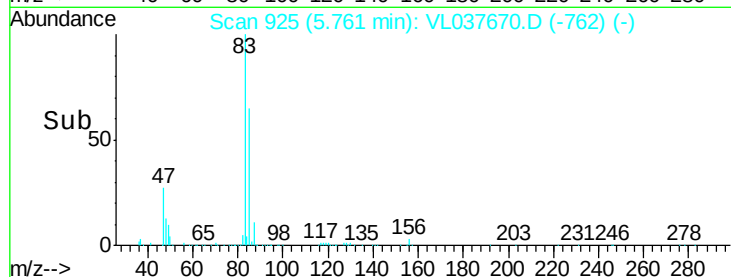
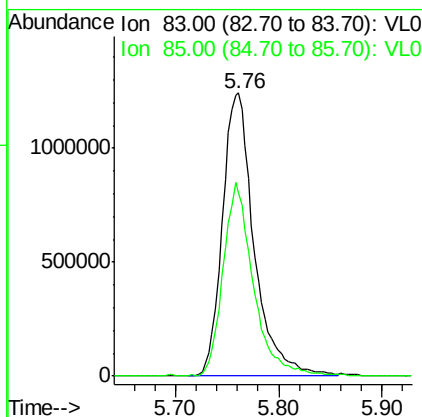
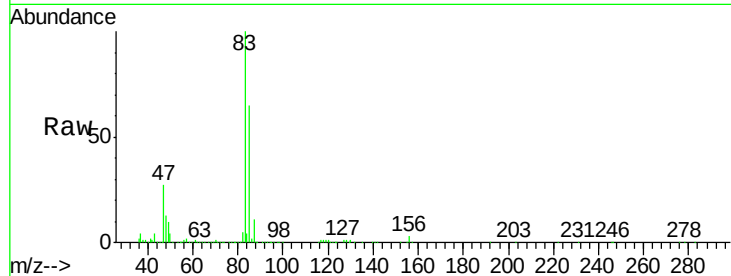
#29
Chloroform
Concen: 8.994 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2661801
Ion Ratio Lower Upper
83 100
85 64.8 52.6 79.0

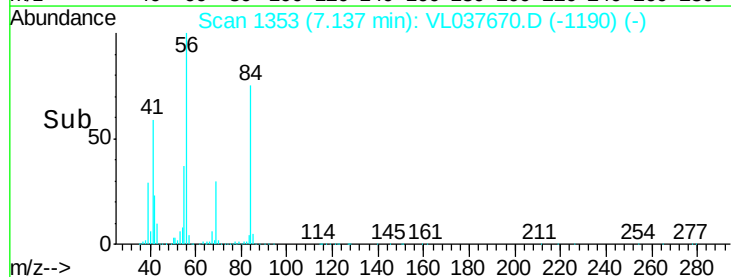
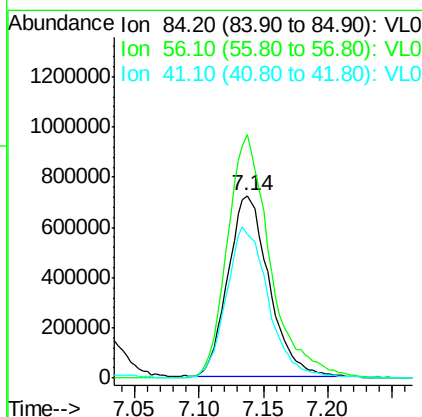
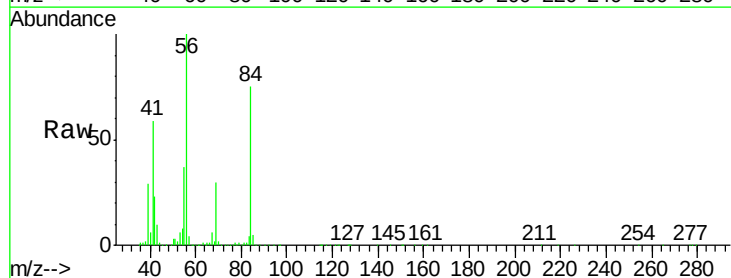
Manual Integrations
APPROVED

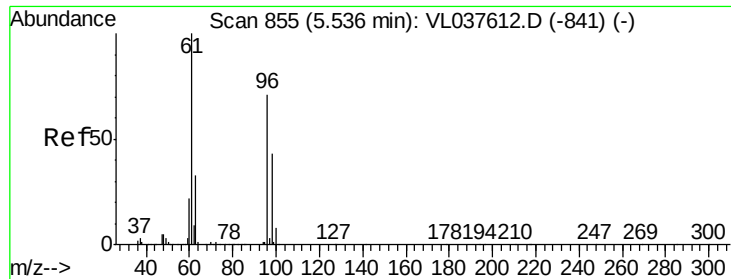
MMDadoda
9/27/2021 10:56:33 AM



#30
Cyclohexane
Concen: 9.278 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 84 Resp: 1608152
Ion Ratio Lower Upper
84 100
56 140.2 113.6 170.4
41 85.5 67.9 101.9





#31

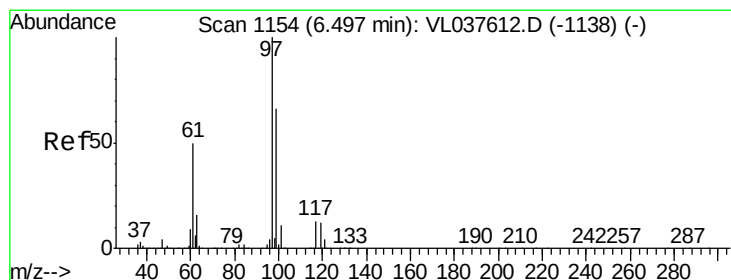
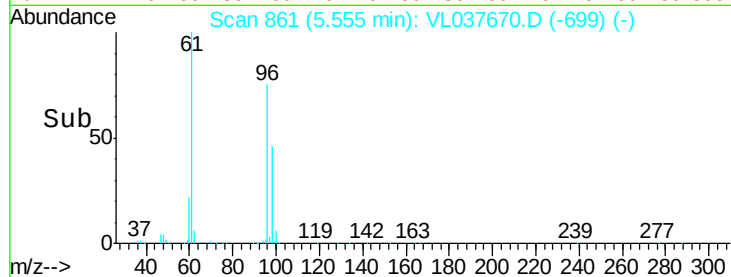
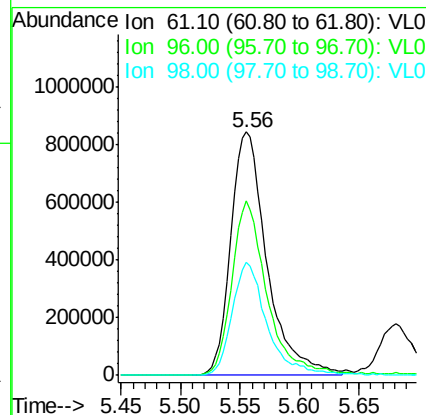
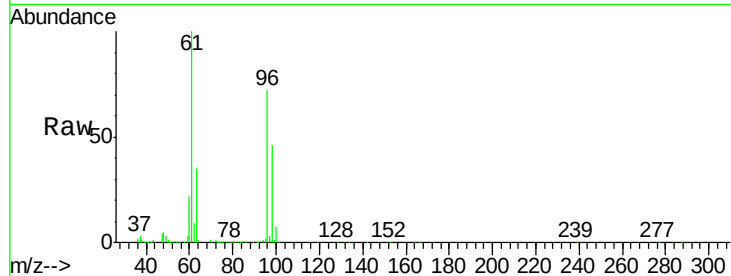
cis-1,2-Dichloroethene
Concen: 9.642 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1774022
Ion Ratio Lower Upper
61 100
96 71.9 56.7 85.1
98 46.2 34.6 52.0

Manual Integrations
APPROVED

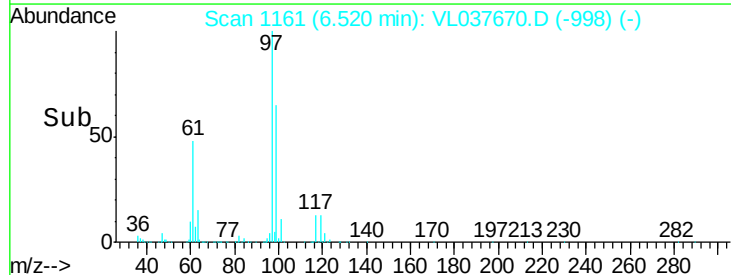
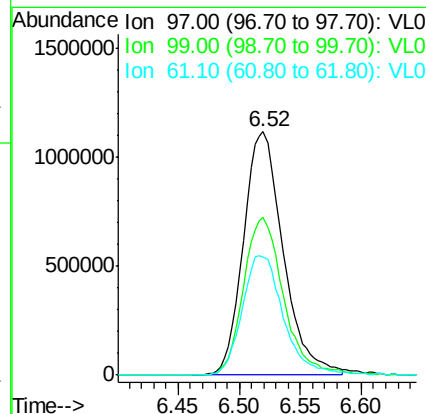
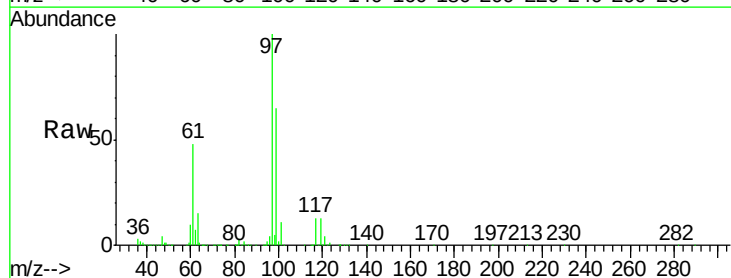
MMDadoda
9/27/2021 10:56:33 AM

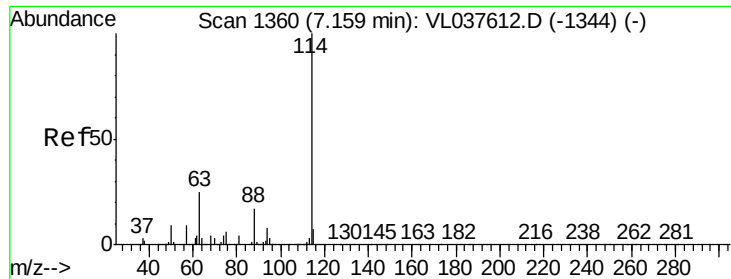


#32

1,1,1-Trichloroethane
Concen: 9.141 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 97 Resp: 2518568
Ion Ratio Lower Upper
97 100
99 65.6 52.3 78.5
61 50.9 39.5 59.3





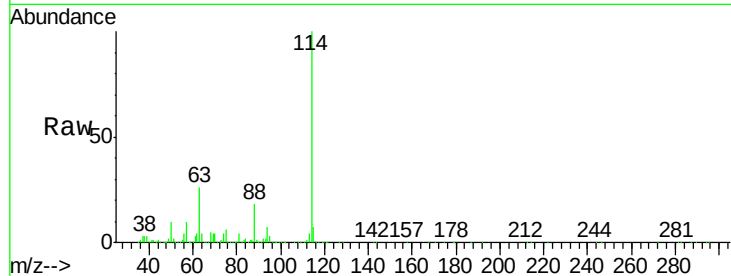
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

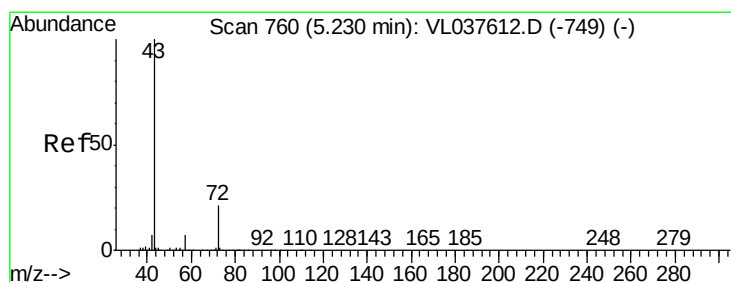
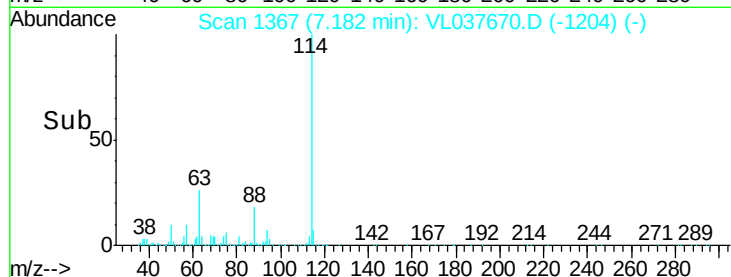
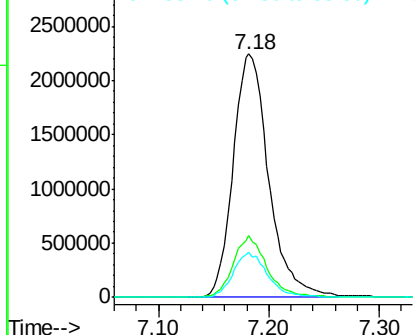
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	18.0	14.2	21.4

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:33 AM

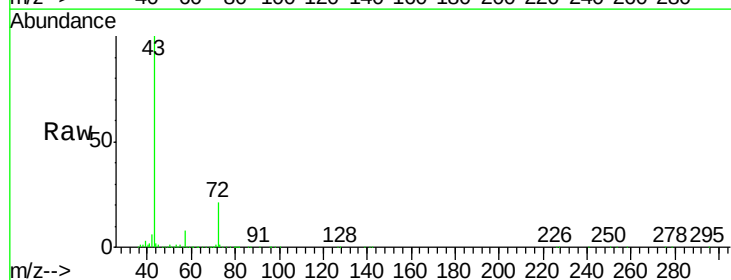


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

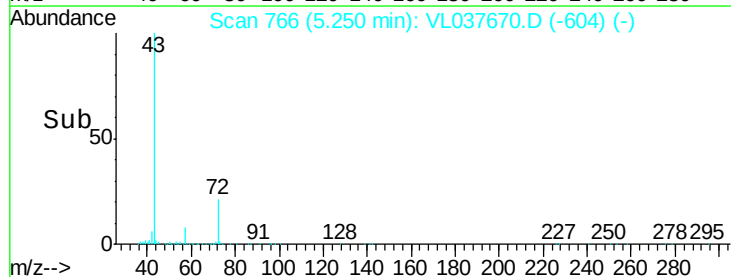
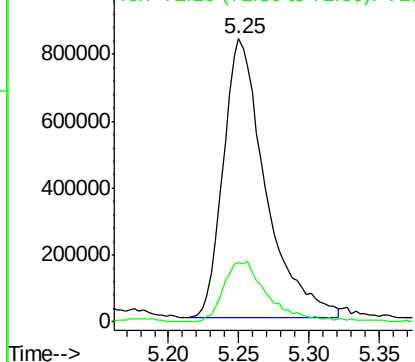


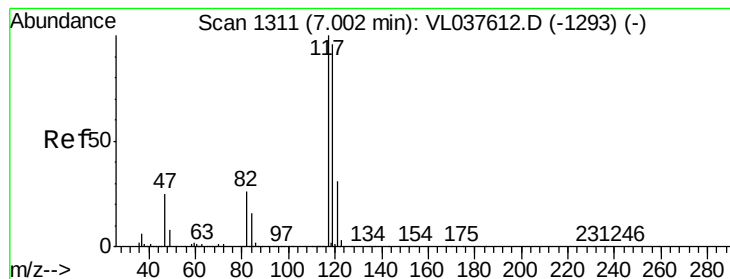
#34
 2-Butanone
 Concen: 8.615 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.305 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 2633520

Ion Ratio Lower Upper

117 100

119 93.1 77.0 115.6

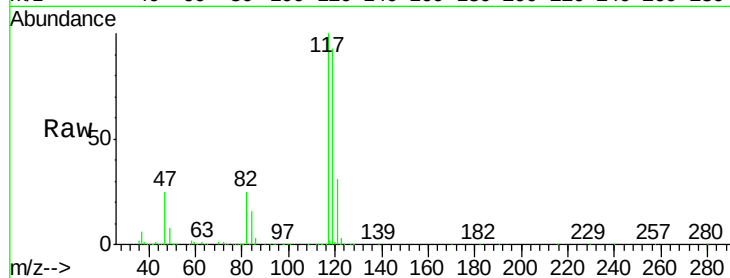
121 31.4 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

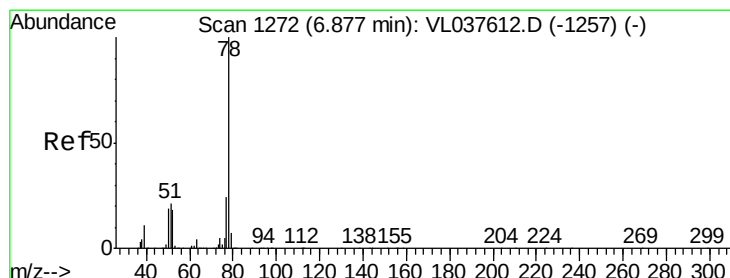
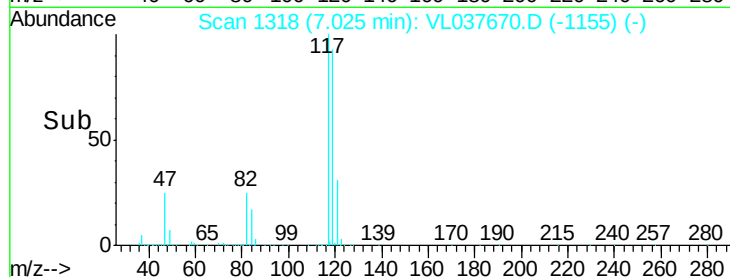
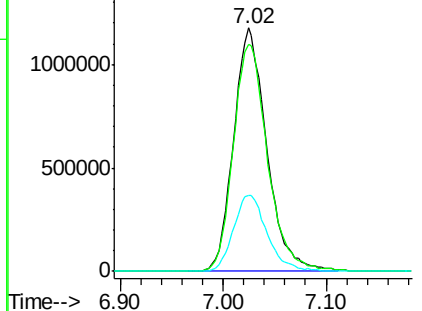
9/27/2021 10:56:33 AM



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: 9.412 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

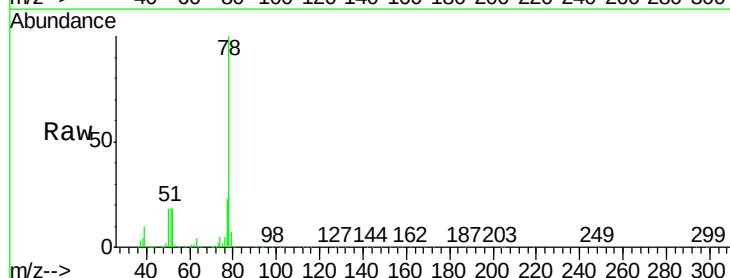
Tgt Ion: 78 Resp: 3927027

Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.4

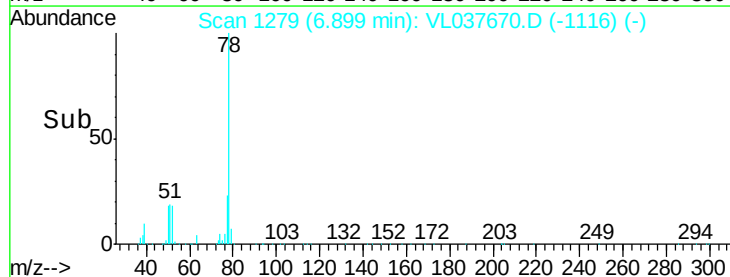
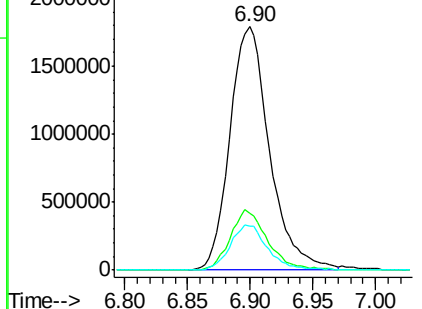
50 17.9 14.8 22.2

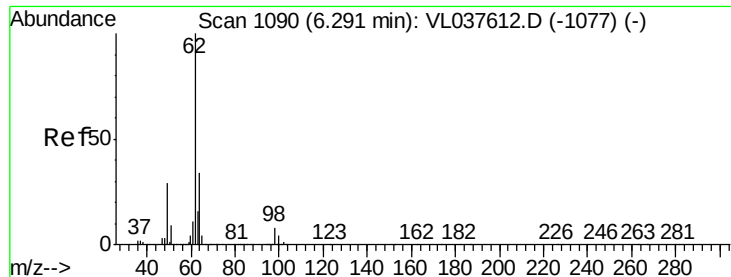


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





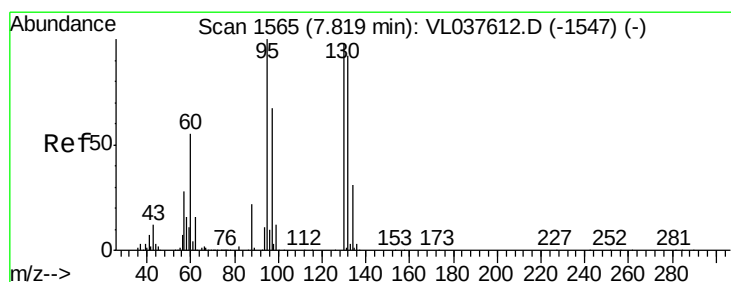
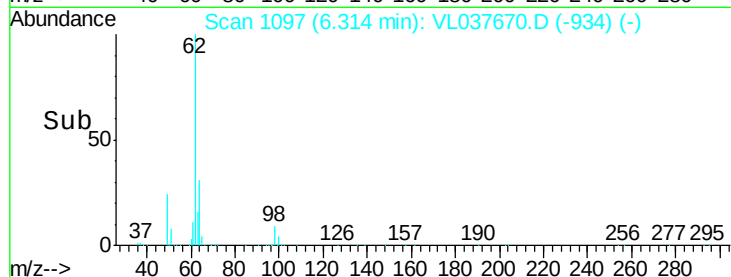
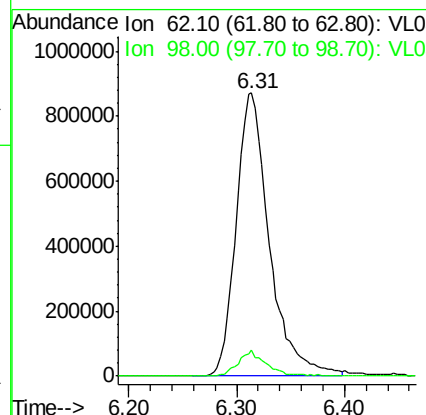
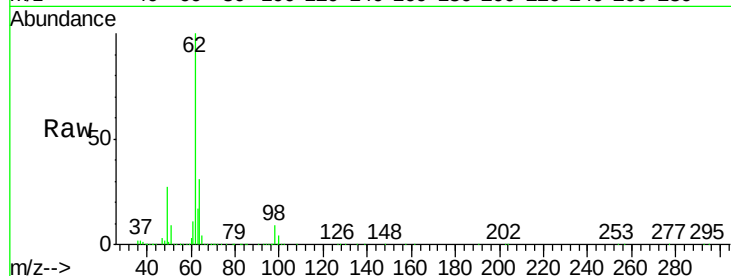
#37
 1,2-Dichloroethane
 Concen: 9.117 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1870725
 Ion Ratio Lower Upper
 62 100
 98 7.9 6.1 9.1

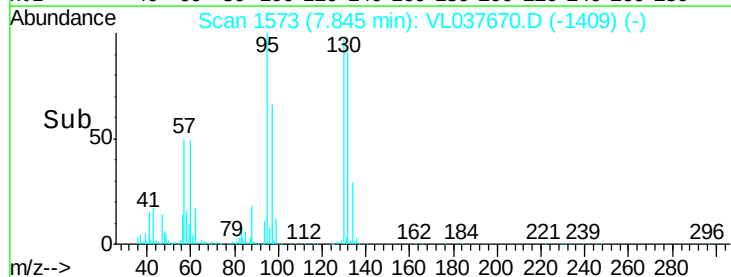
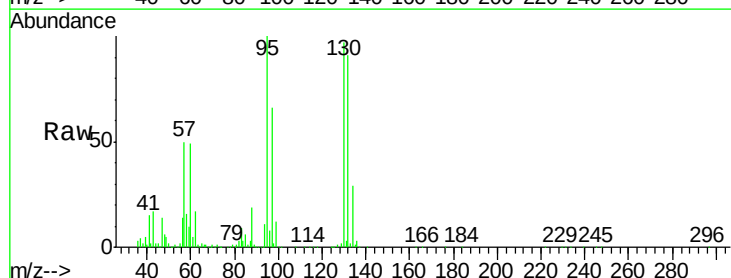
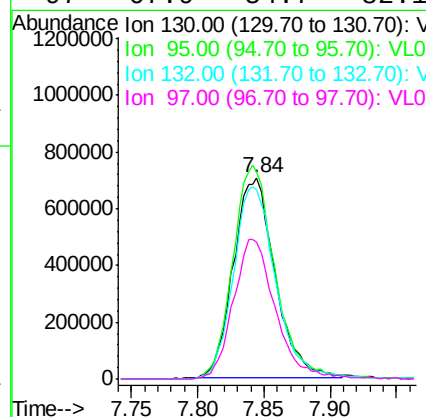
Manual Integrations
 APPROVED

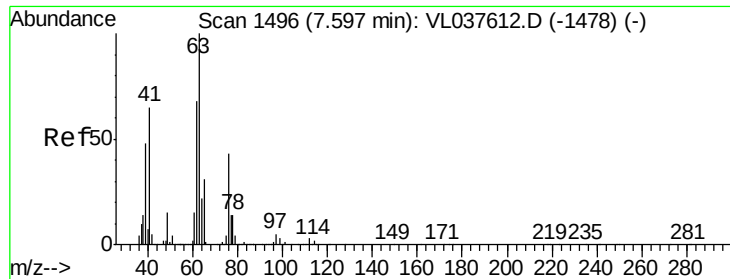
MMDadoda
 9/27/2021 10:56:33 AM



#38
 Trichloroethene
 Concen: 8.888 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 130 Resp: 1549094
 Ion Ratio Lower Upper
 130 100
 95 103.5 81.8 122.6
 132 94.2 75.3 112.9
 97 67.9 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.358 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.03 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 63 Resp: 1495400

Ion Ratio Lower Upper

63 100

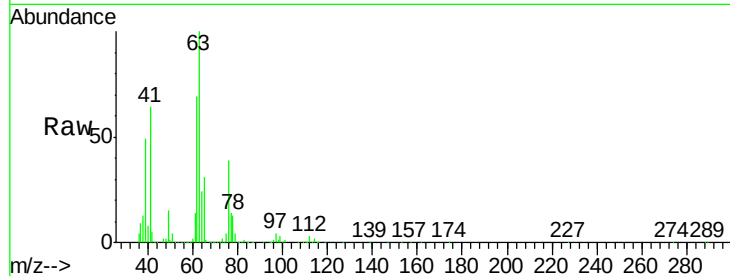
41 63.4 51.6 77.4

62 68.5 54.6 81.8

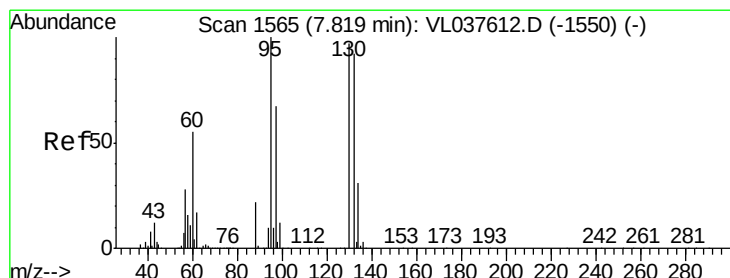
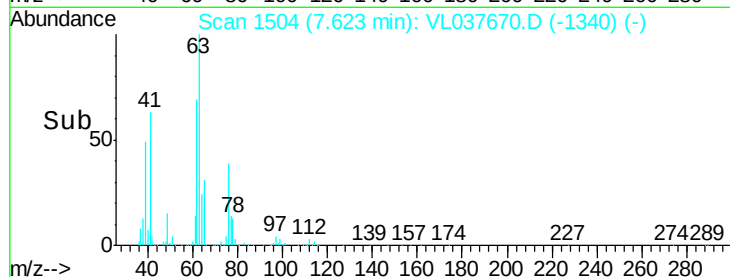
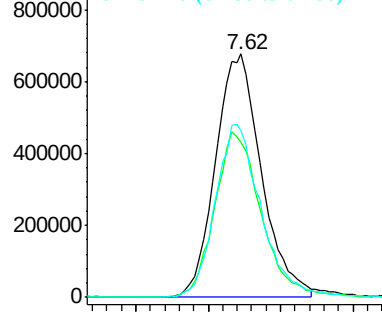
Manual Integrations
APPROVED

MMDadoda

9/27/2021 10:56:33 AM



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.319 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Tgt Ion: 88 Resp: 362235

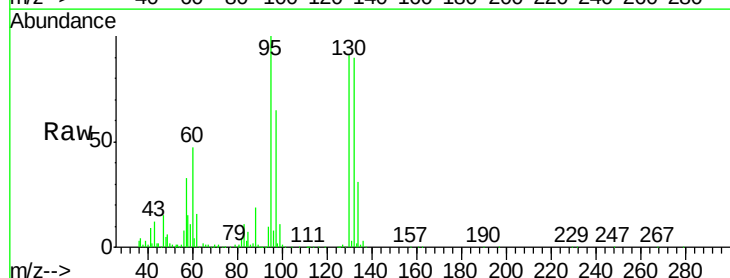
Ion Ratio Lower Upper

88 100

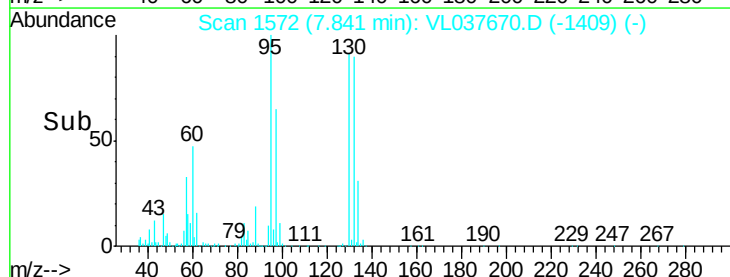
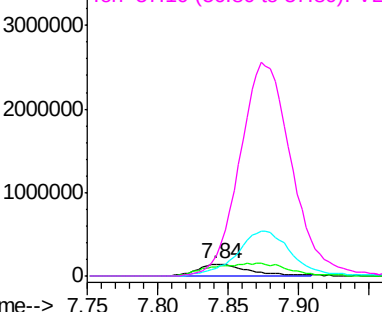
58 163.6 122.4 183.6

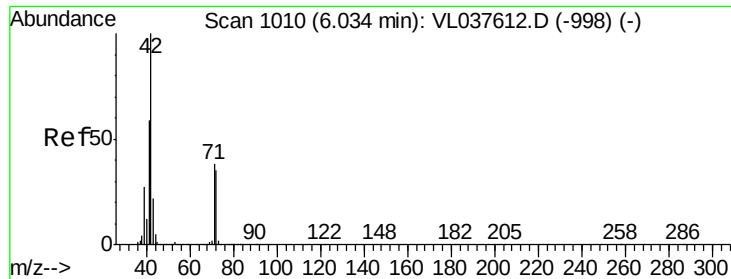
43 409.4 297.4 446.0

57 1819.0 1329.8 1994.8



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





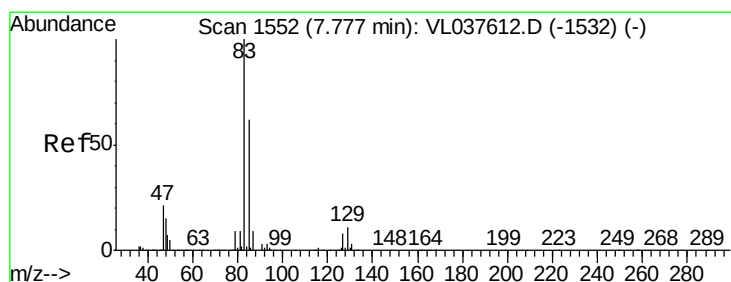
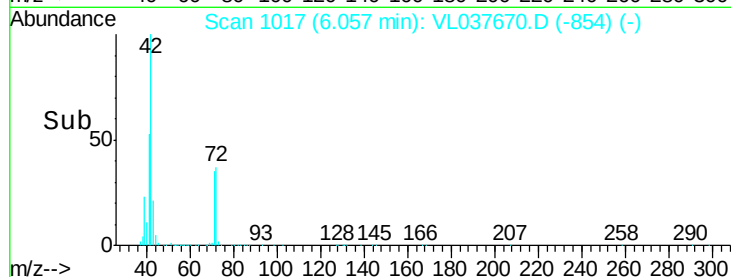
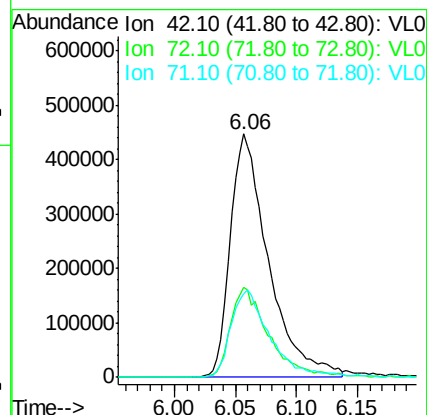
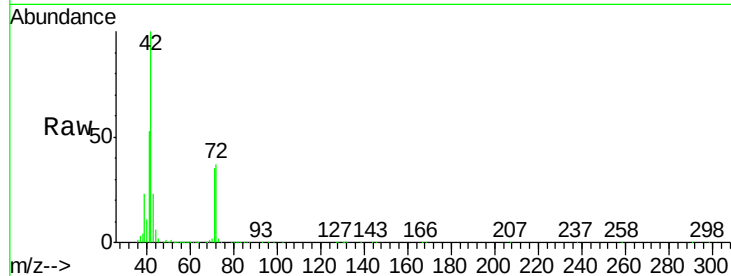
#41
Tetrahydrofuran
Concen: 10.212 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.4	47.2
71	37.3	30.6	46.0

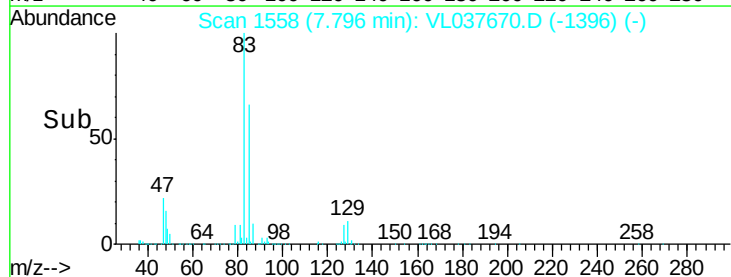
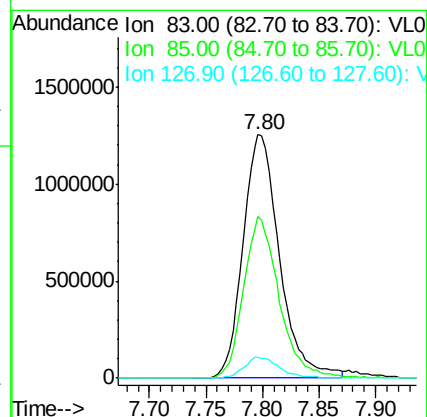
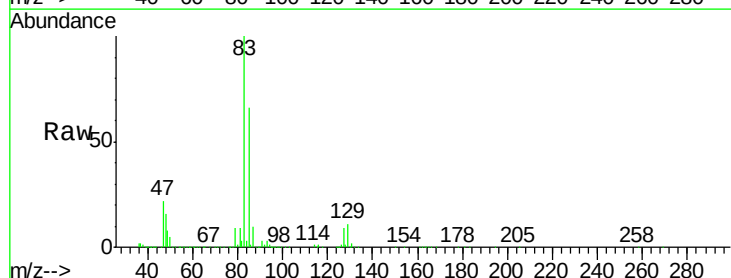
Manual Integrations
APPROVED

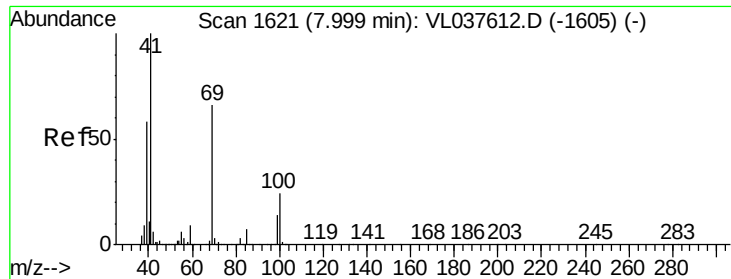
MMDadoda
9/27/2021 10:56:33 AM



#42
Bromodichloromethane
Concen: 9.581 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.8	74.6
127	8.5	6.4	9.6





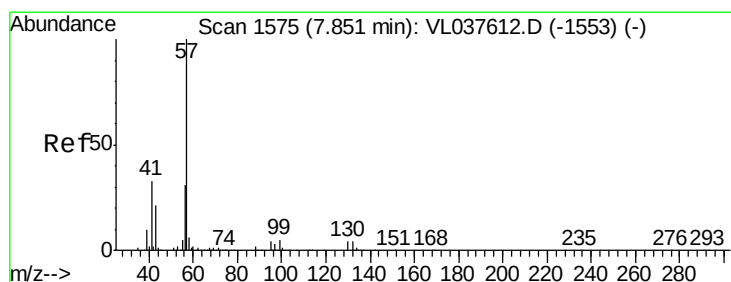
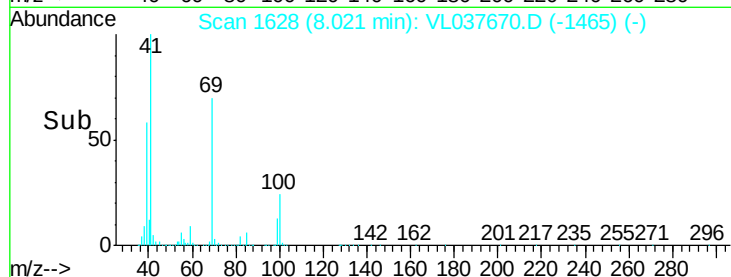
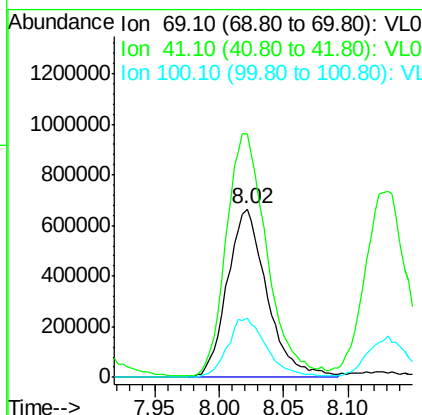
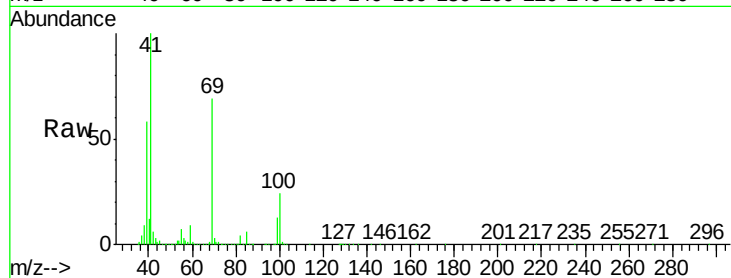
#43
Methyl Methacrylate
Concen: 10.215 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1417898
Ion Ratio Lower Upper
69 100
41 148.4 119.0 178.4
100 34.6 27.6 41.4

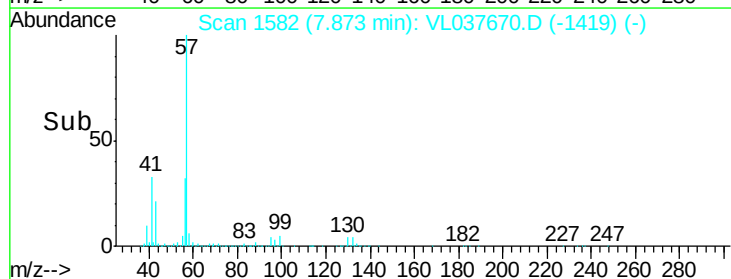
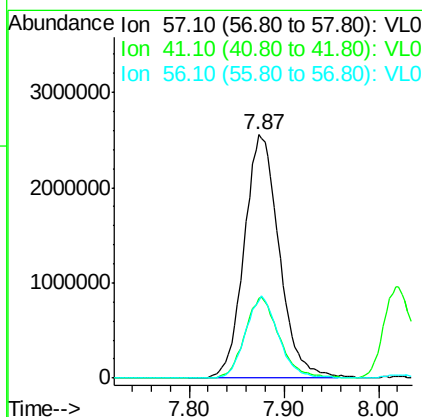
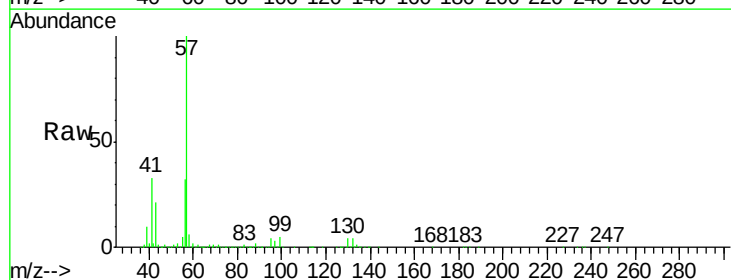
Manual Integrations
APPROVED

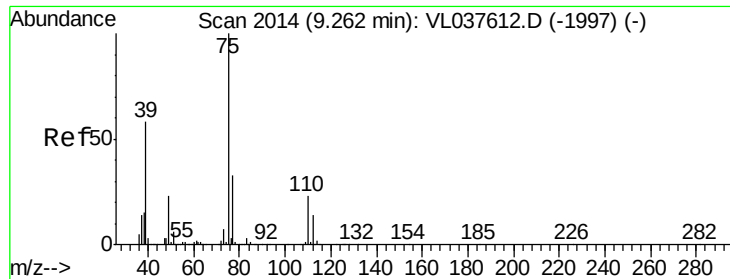
MMDadoda
9/27/2021 10:56:33 AM



#44
2,2,4-Trimethylpentane
Concen: 9.344 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 57 Resp: 6553981
Ion Ratio Lower Upper
57 100
41 32.5 26.1 39.1
56 32.0 25.7 38.5





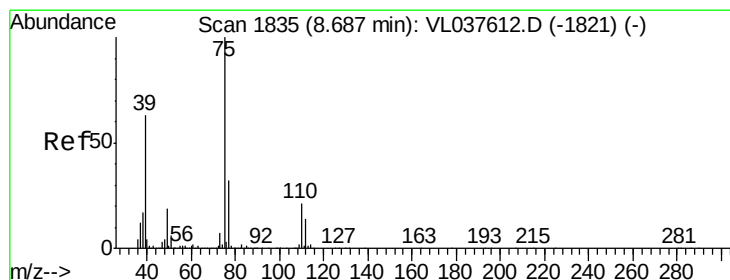
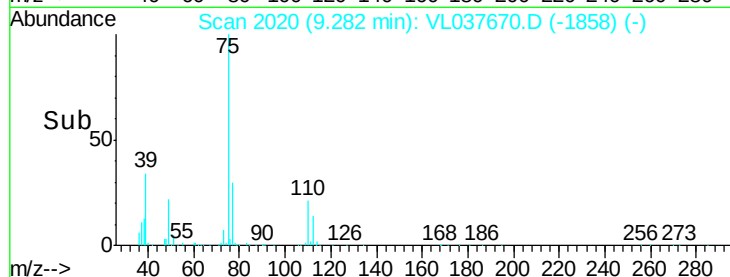
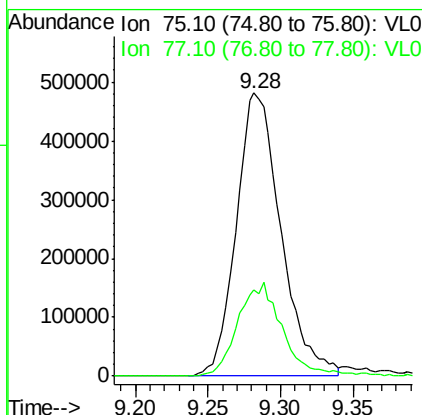
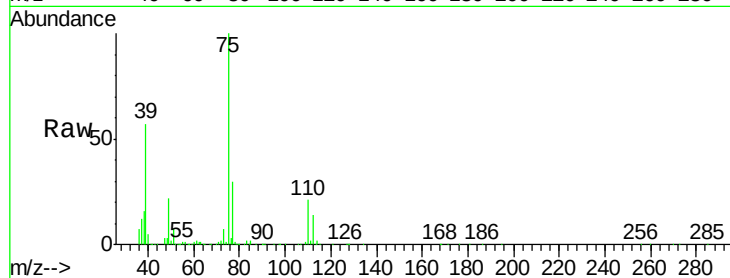
#45
t-1,3-Dichloropropene
Concen: 9.417 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1026634
Ion Ratio Lower Upper
75 100
77 30.3 26.3 39.5

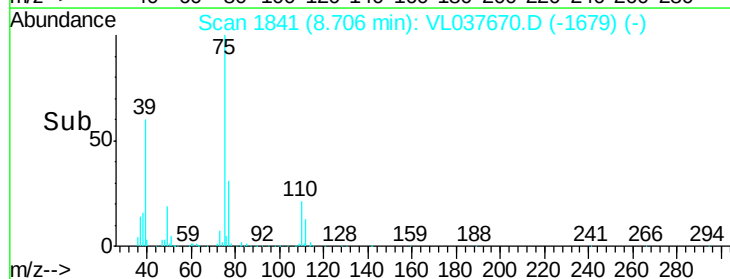
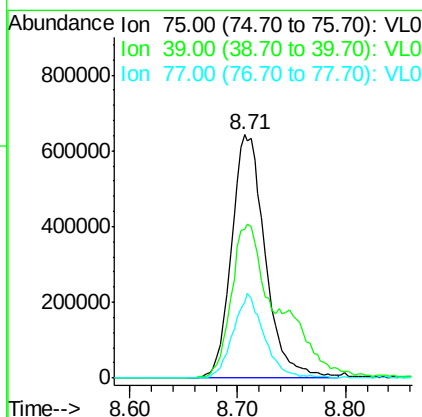
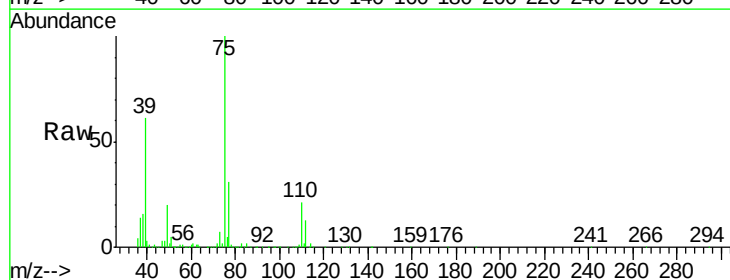
Manual Integrations
APPROVED

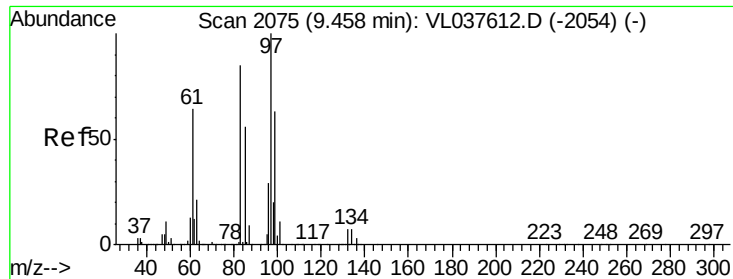
MMDadoda
9/27/2021 10:56:33 AM



#46
cis-1,3-Dichloropropene
Concen: 9.490 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 75 Resp: 1397531
Ion Ratio Lower Upper
75 100
39 61.0 50.2 75.4
77 31.1 25.2 37.8





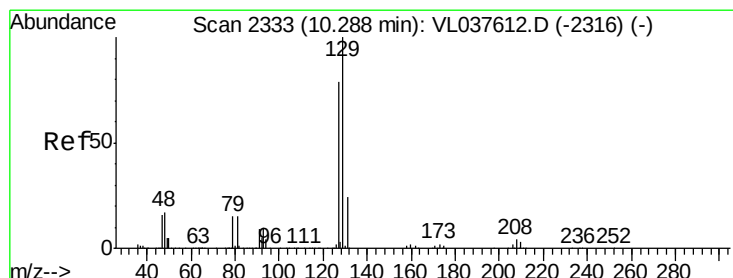
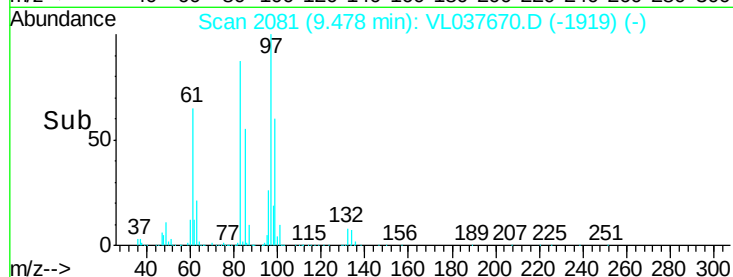
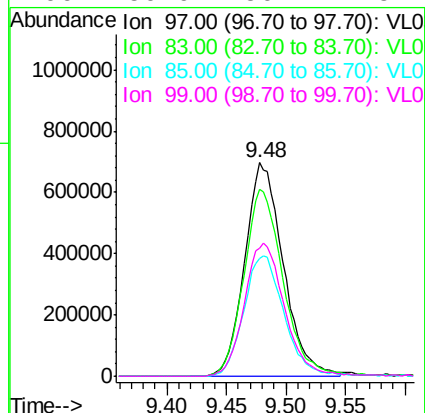
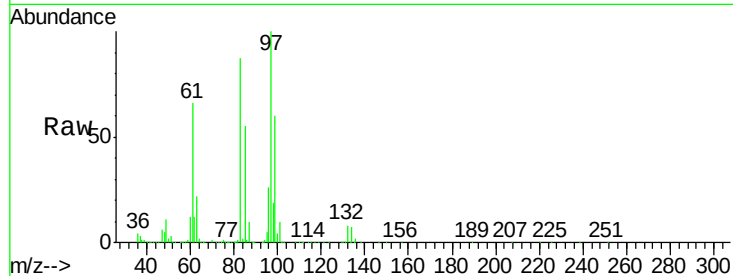
#47
 1,1,2-Trichloroethane
 Concen: 8.831 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1561114
 Ion Ratio Lower Upper
 97 100
 83 87.3 67.9 101.9
 85 55.0 44.8 67.2
 99 59.9 50.1 75.1

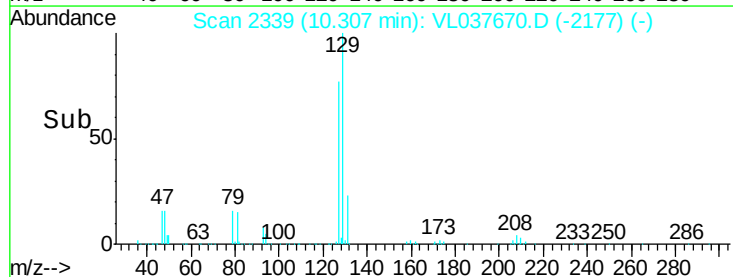
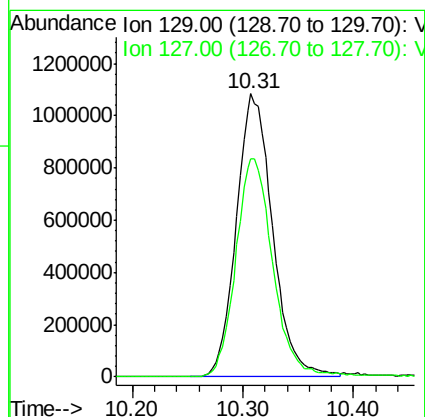
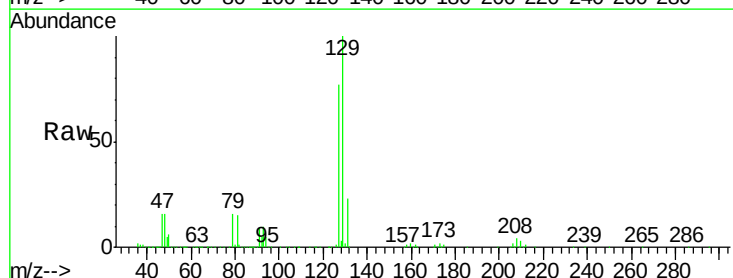
Manual Integrations
 APPROVED

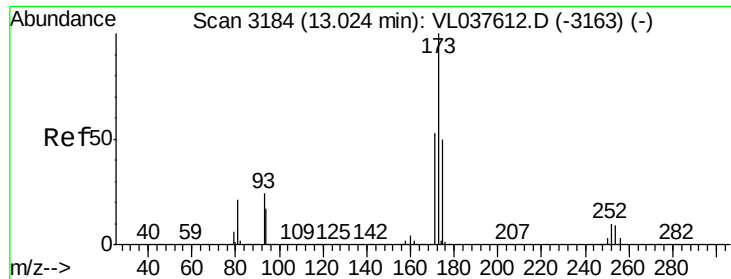
MMDadoda
 9/27/2021 10:56:33 AM



#48
 Dibromochloromethane
 Concen: 10.036 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 129 Resp: 2474926
 Ion Ratio Lower Upper
 129 100
 127 78.9 39.3 117.8





#49

Bromoform

Concen: 10.233 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 173 Resp: 2019630

Ion Ratio Lower Upper

173 100

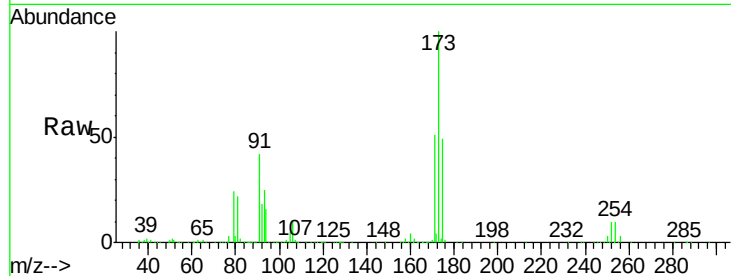
175 50.6 39.8 59.8

171 54.6 42.2 63.4

Manual Integrations
APPROVED

MMDadoda

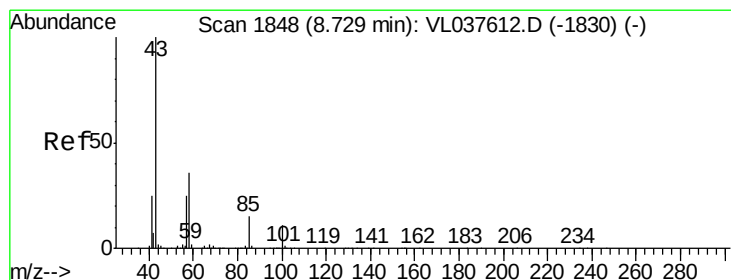
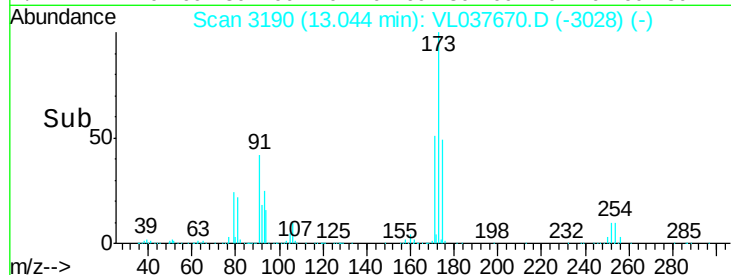
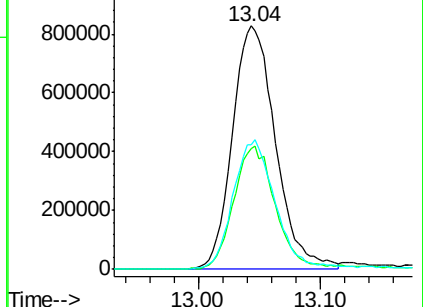
9/27/2021 10:56:33 AM



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: 9.859 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.02 min

Lab File: VL037670.D

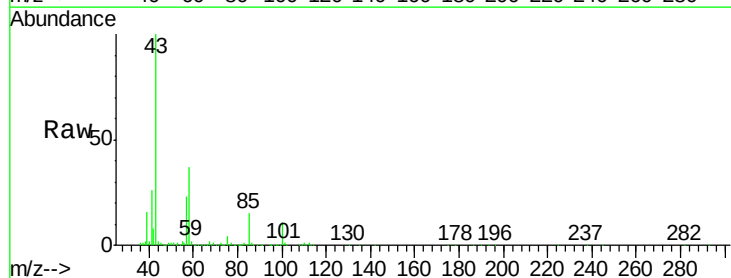
Acq: 23 Sep 2021 19:47

Tgt Ion: 43 Resp: 2544349

Ion Ratio Lower Upper

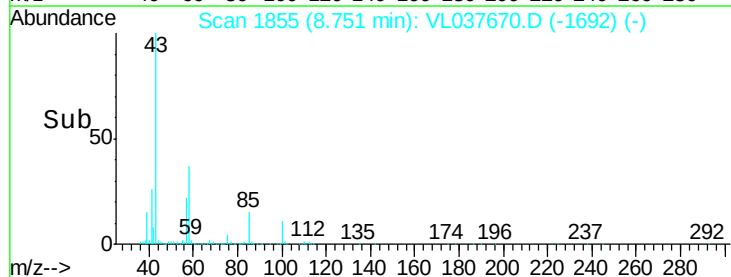
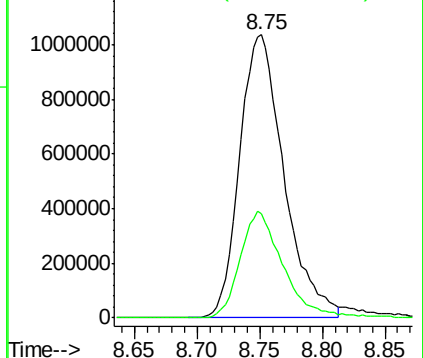
43 100

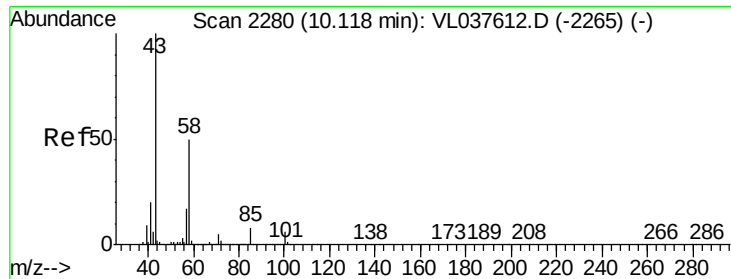
58 37.1 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.269 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. 0.03 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1169306

Ion Ratio Lower Upper

43 100

58 51.2 39.3 58.9

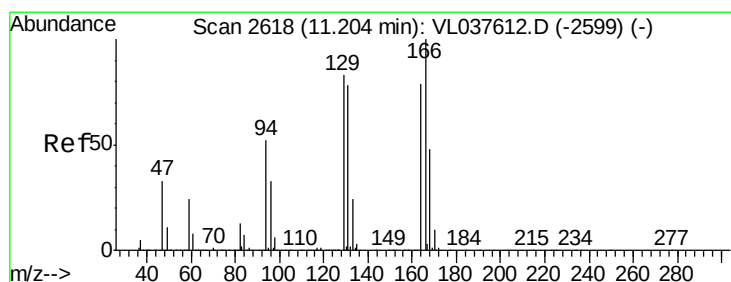
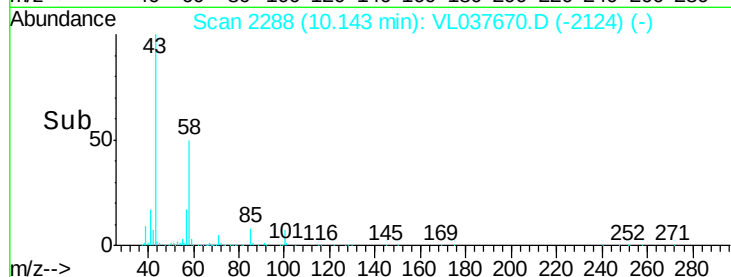
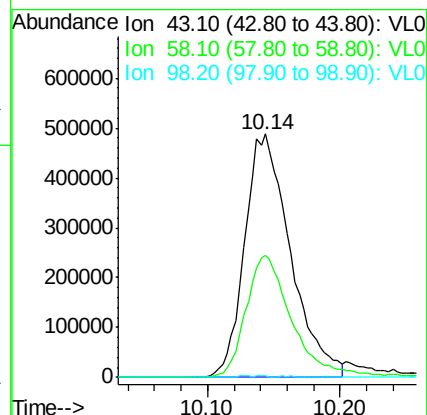
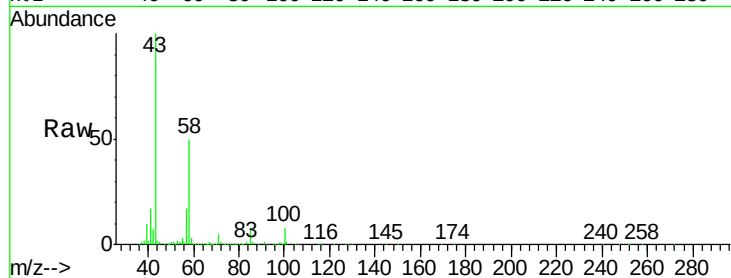
98 0.7 0.4 0.6#

Manual Integrations

APPROVED

MMDadoda

9/27/2021 10:56:33 AM



#52

Tetrachloroethene

Concen: 8.939 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Tgt Ion: 164 Resp: 1431836

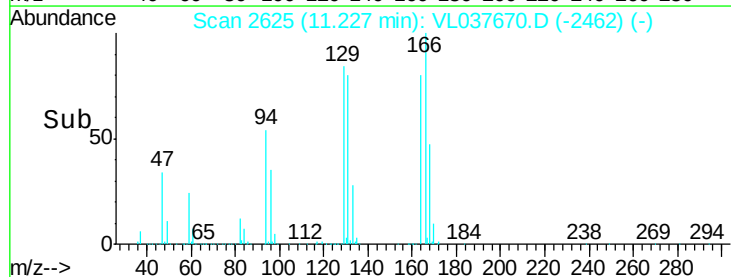
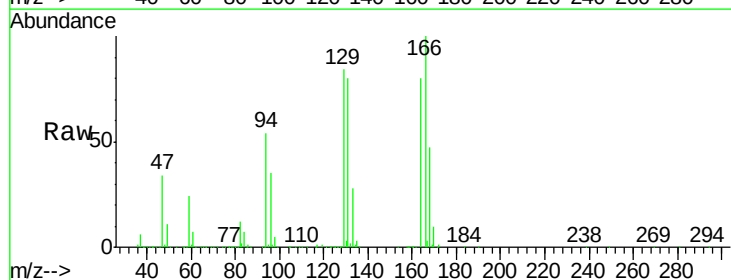
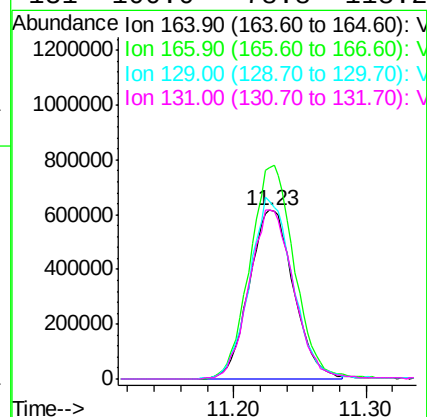
Ion Ratio Lower Upper

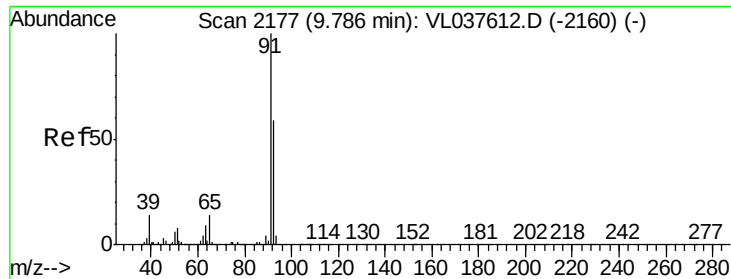
164 100

166 125.3 101.2 151.8

129 105.1 84.0 126.0

131 100.0 78.8 118.2





#53

Toluene

Concen: 9.705 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.03 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 4500559

Ion Ratio Lower Upper

91 100

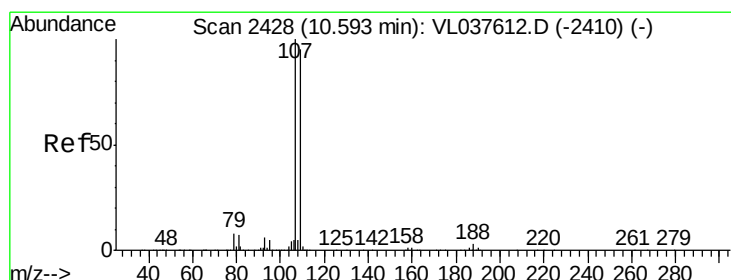
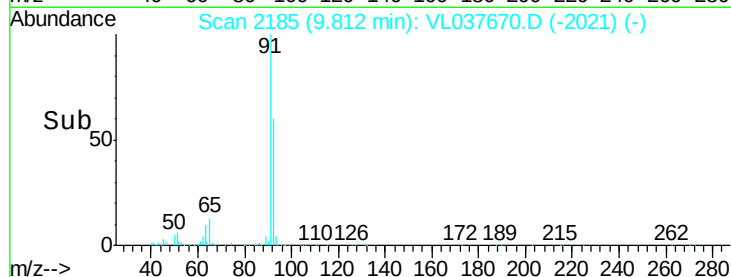
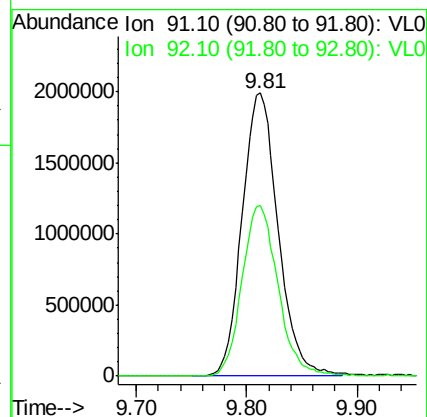
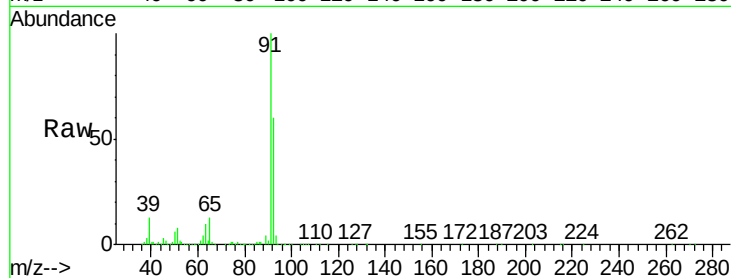
92 60.8 48.9 73.3

Manual Integrations

APPROVED

MMDadoda

9/27/2021 10:56:33 AM



#54

1,2-Dibromoethane

Concen: 9.114 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.02 min

Lab File: VL037670.D

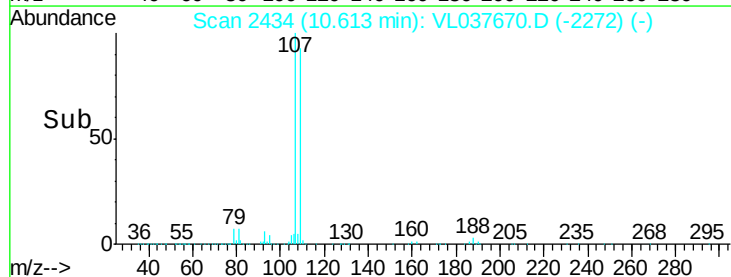
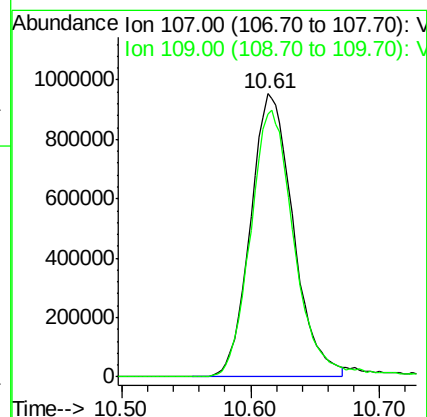
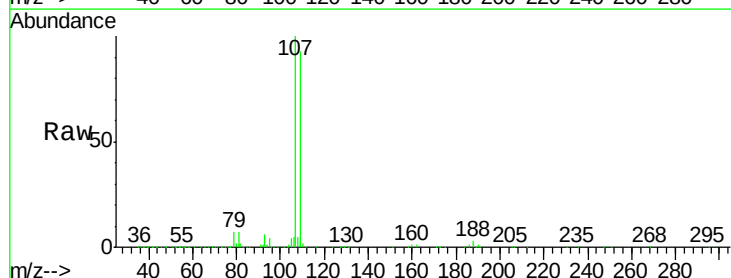
Acq: 23 Sep 2021 19:47

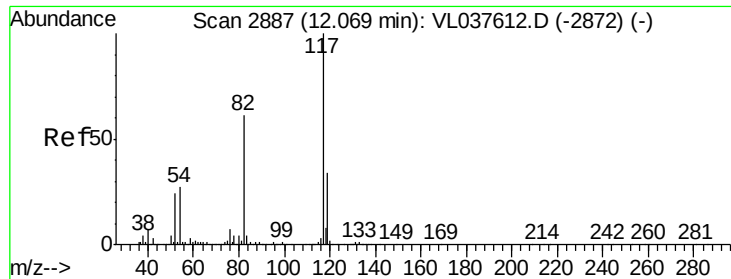
Tgt Ion: 107 Resp: 2205964

Ion Ratio Lower Upper

107 100

109 92.7 76.0 114.0





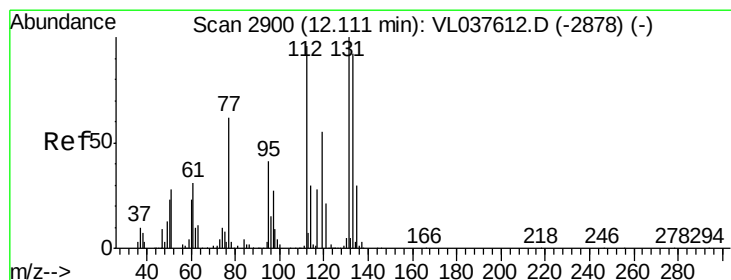
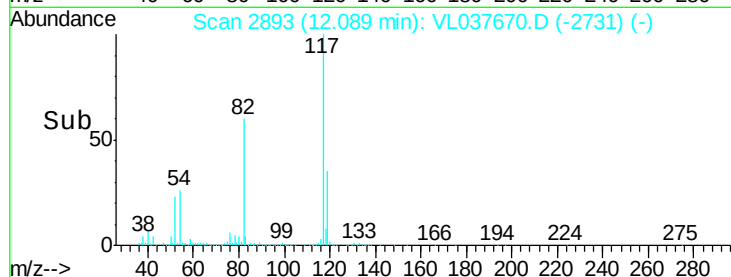
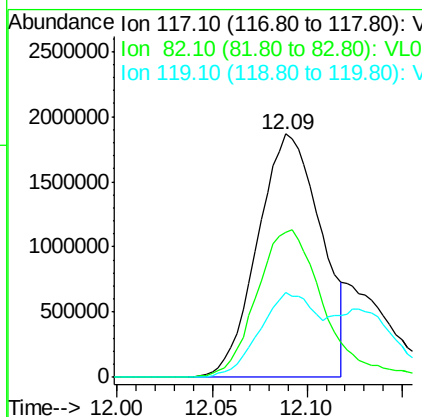
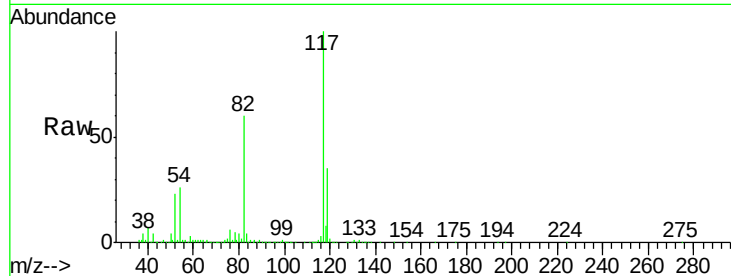
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 4319419
Ion Ratio Lower Upper
117 100
82 66.7 50.6 75.8
119 61.9 26.2 39.2#

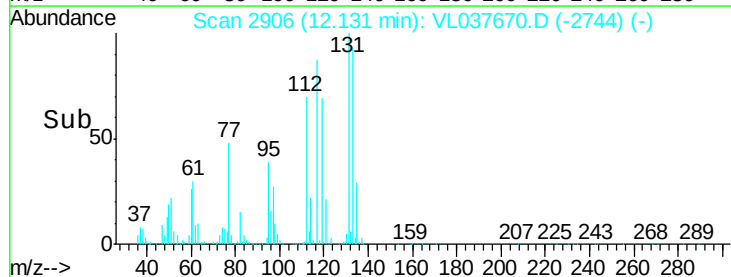
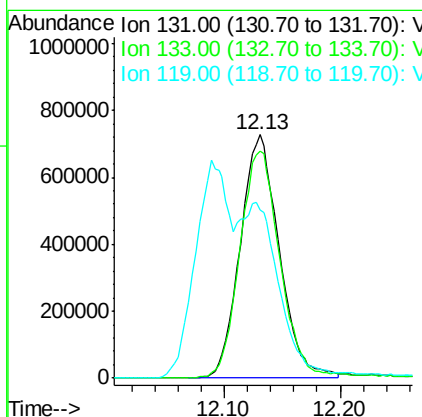
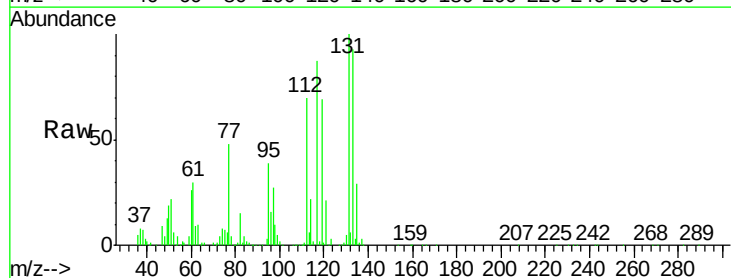
Manual Integrations
APPROVED

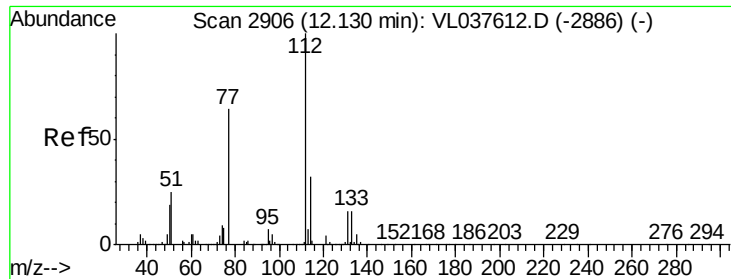
MMDadoda
9/27/2021 10:56:33 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.488 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion:131 Resp: 1699962
Ion Ratio Lower Upper
131 100
133 97.9 76.8 115.2
119 156.0 47.8 71.8#





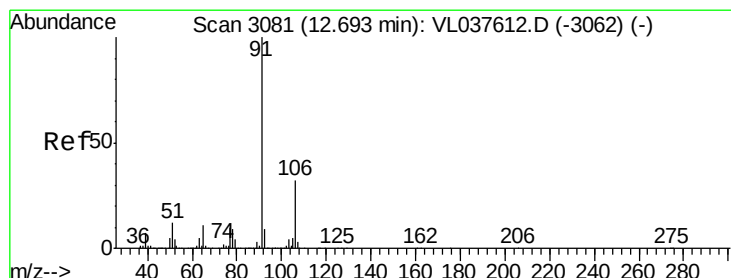
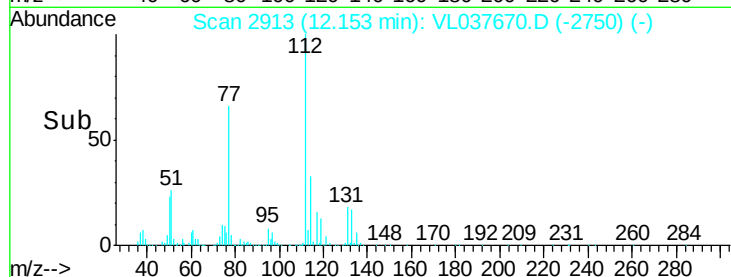
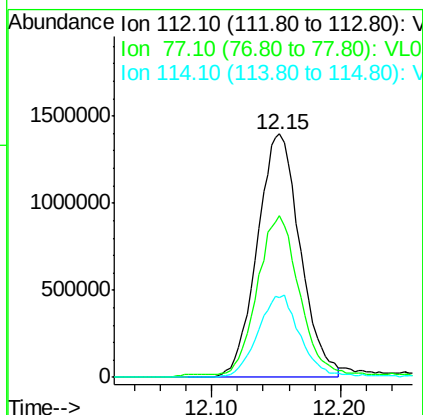
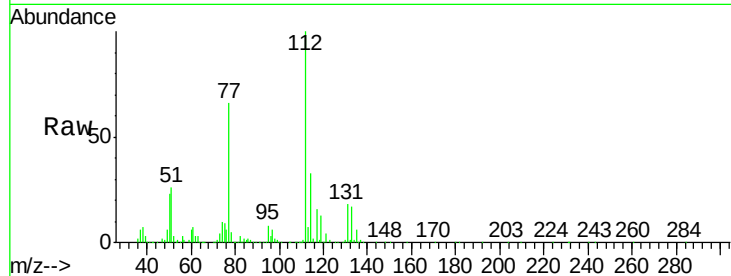
#57
Chlorobenzene
Concen: 8.994 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 3229694
Ion Ratio Lower Upper
112 100
77 65.3 52.1 78.1
114 32.9 29.2 35.6

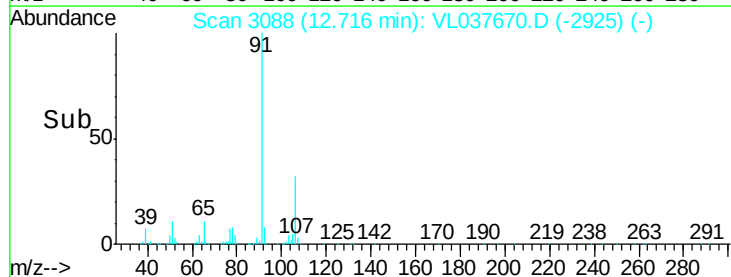
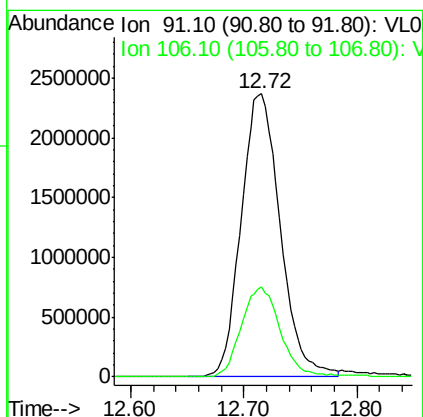
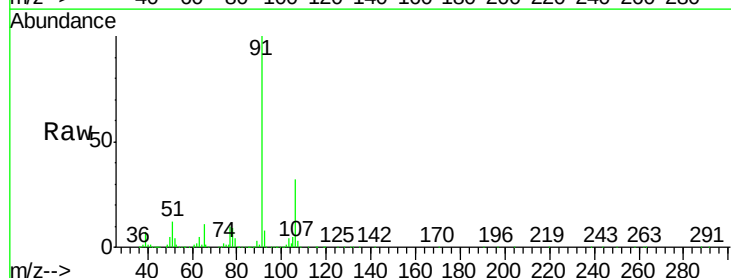
Manual Integrations
APPROVED

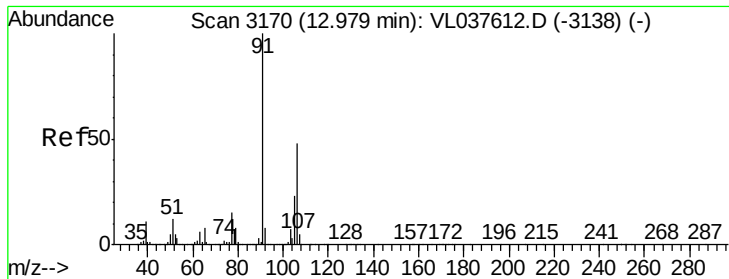
MMDadoda
9/27/2021 10:56:33 AM



#58
Ethyl Benzene
Concen: 9.955 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion: 91 Resp: 5708022
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9





#59

m/p-Xylene

Concen: 18.997 ppbv m

RT: 13.00 min Scan# 3176

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 9492479

Ion Ratio Lower Upper

91 100

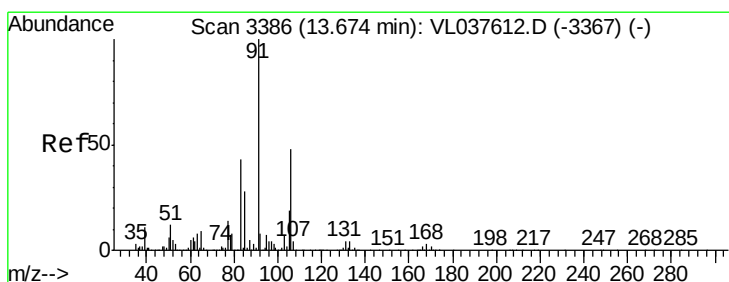
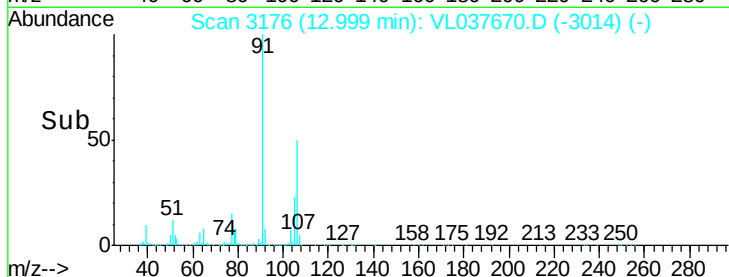
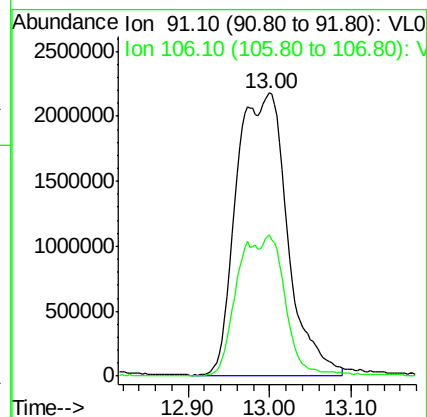
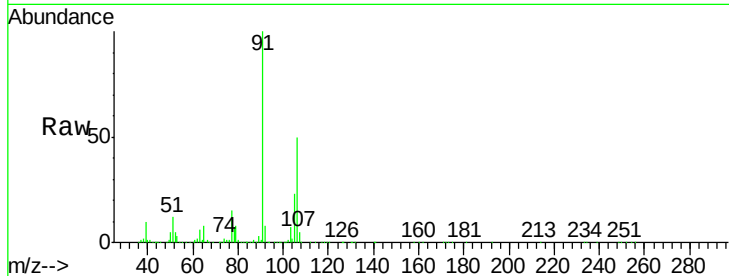
106 47.0 36.6 55.0

Manual Integrations

APPROVED

MMDadoda

9/27/2021 10:56:33 AM



#60

o-Xylene

Concen: 9.500 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.02 min

Lab File: VL037670.D

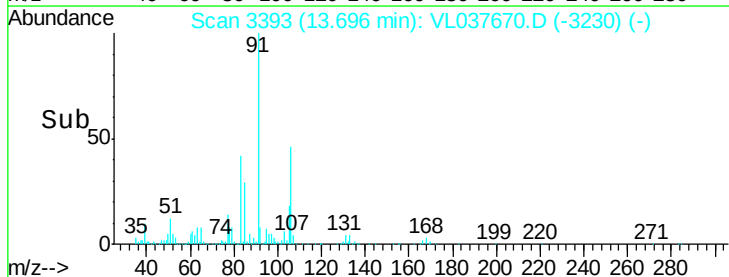
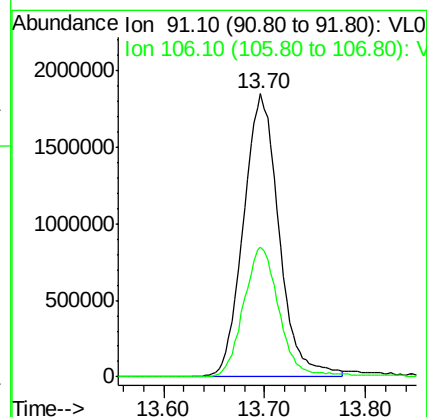
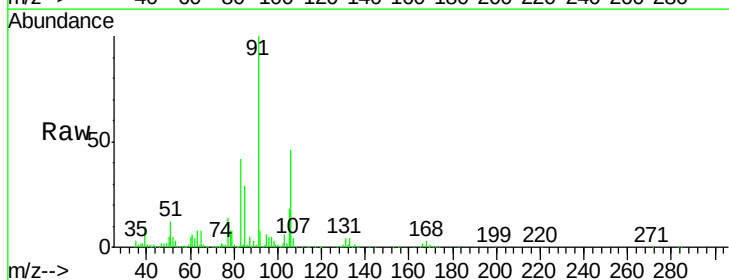
Acq: 23 Sep 2021 19:47

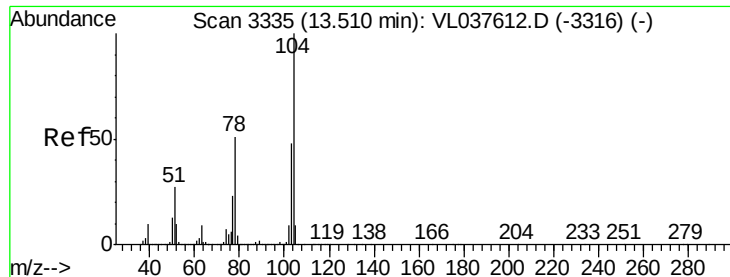
Tgt Ion: 91 Resp: 4517829

Ion Ratio Lower Upper

91 100

106 46.7 23.0 69.0





#61

Styrene

Concen: 10.768 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 2525252

Ion Ratio Lower Upper

104 100

78 50.2 39.7 59.5

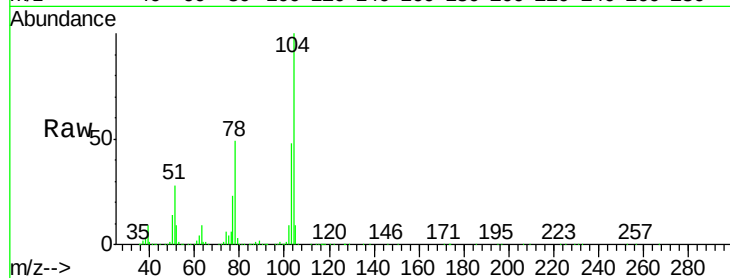
103 49.2 38.8 58.2

Manual Integrations

APPROVED

MMDadoda

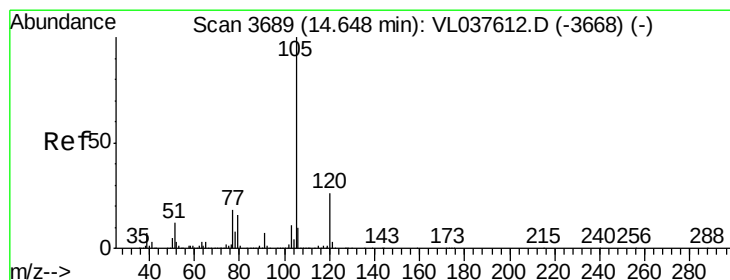
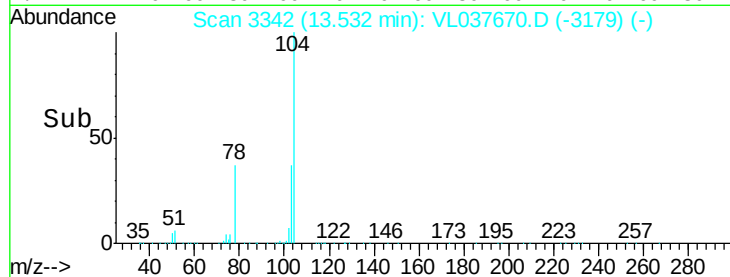
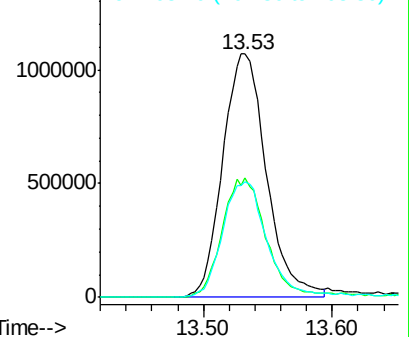
9/27/2021 10:56:33 AM



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: 9.465 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.02 min

Lab File: VL037670.D

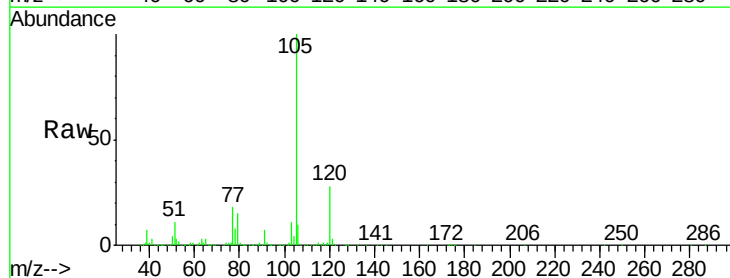
Acq: 23 Sep 2021 19:47

Tgt Ion:105 Resp: 6288180

Ion Ratio Lower Upper

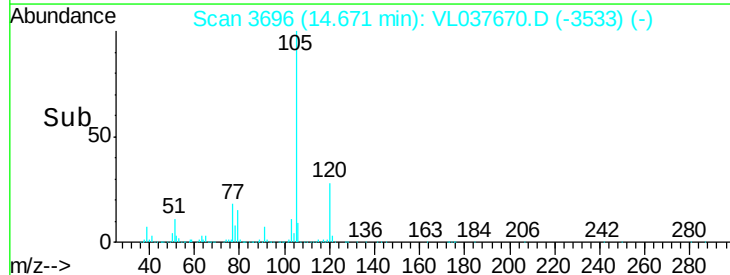
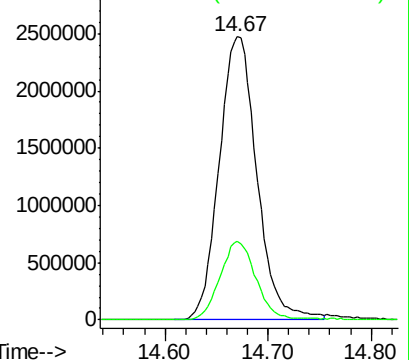
105 100

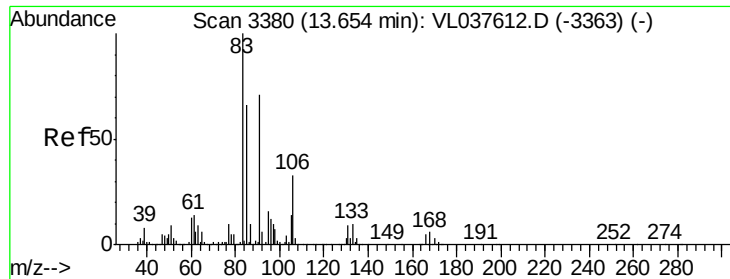
120 27.0 21.4 32.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





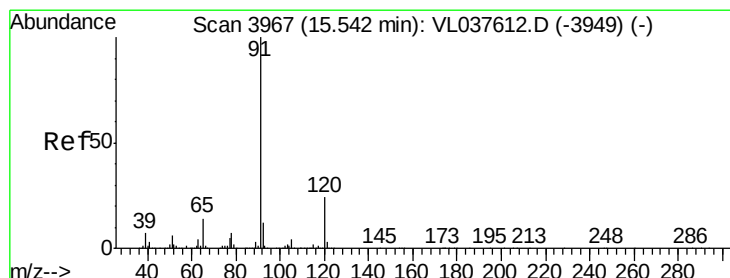
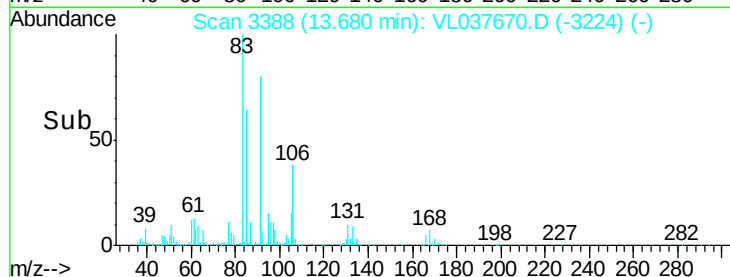
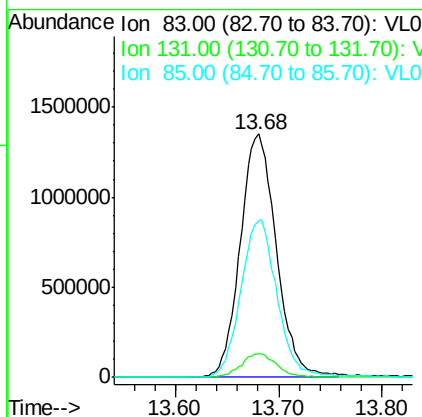
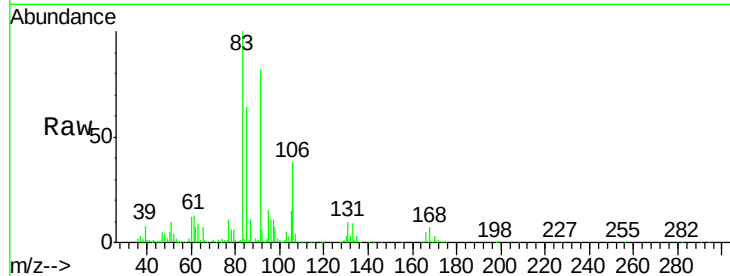
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.827 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. 0.03 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 83 Resp: 3285267
 Ion Ratio Lower Upper
 83 100
 131 9.7 5.1 15.3
 85 65.7 33.3 99.9

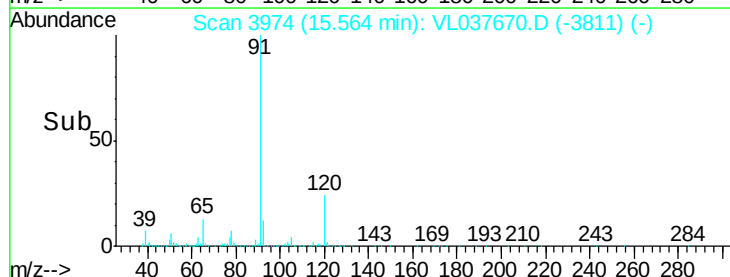
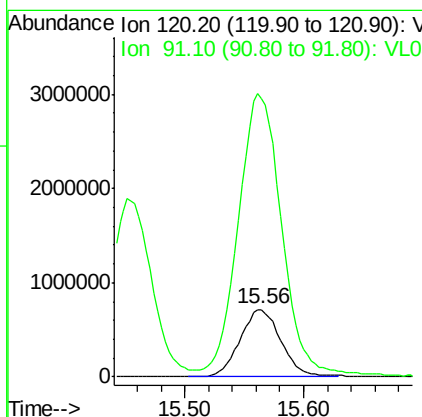
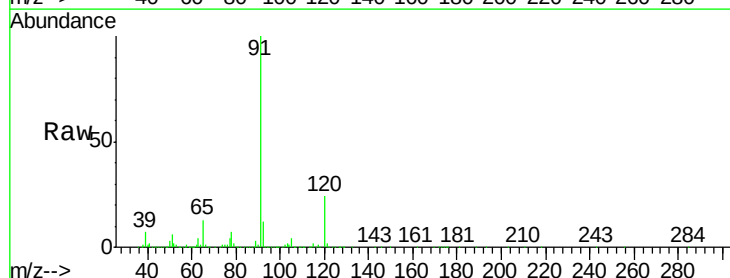
Manual Integrations
 APPROVED

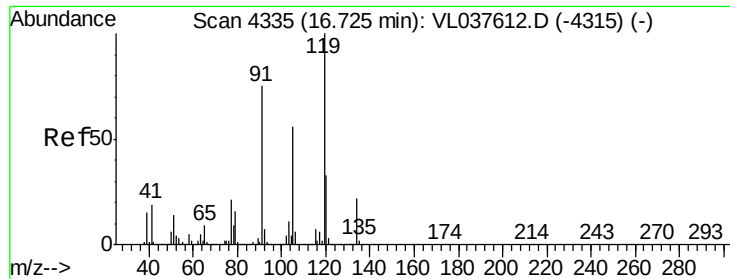
MMDadoda
 9/27/2021 10:56:33 AM



#64
 n-propylbenzene
 Concen: 9.953 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 120 Resp: 1706419
 Ion Ratio Lower Upper
 120 100
 91 449.2 345.0 517.4





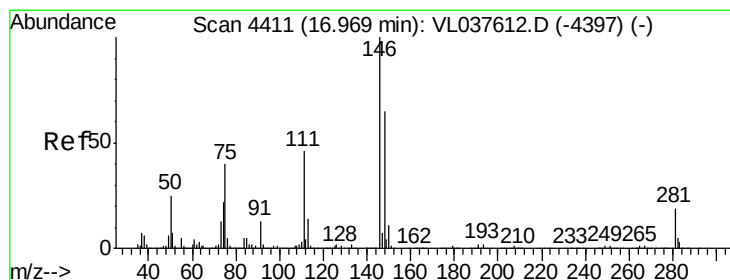
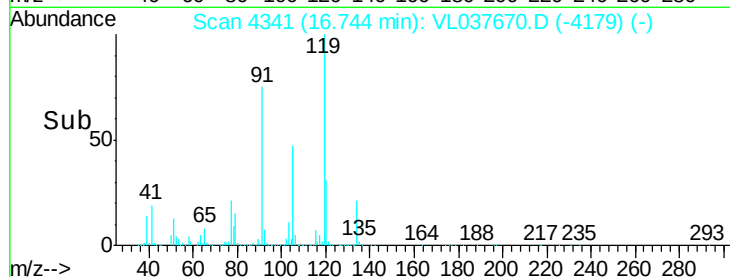
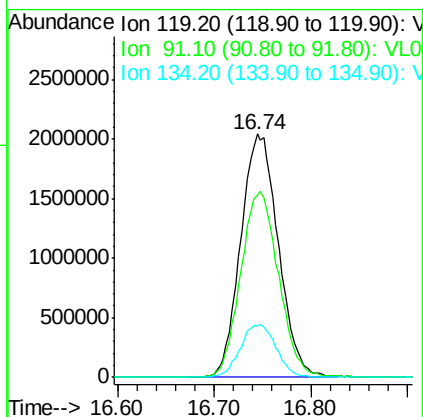
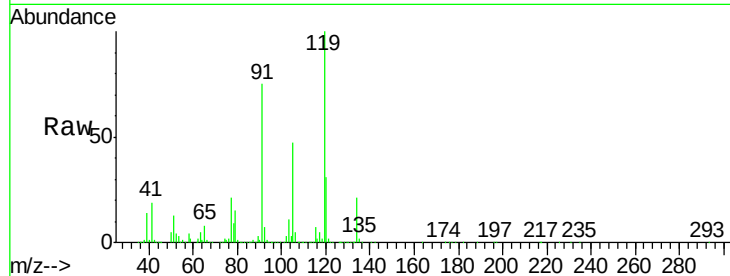
#65
 tert-Butylbenzene
 Concen: 9.199 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 5510473
 Ion Ratio Lower Upper
 119 100
 91 77.2 61.9 92.9
 134 20.7 16.5 24.7

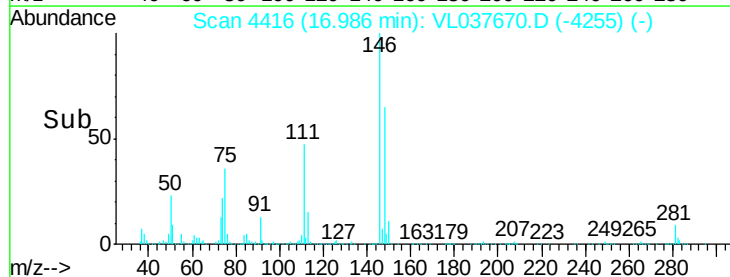
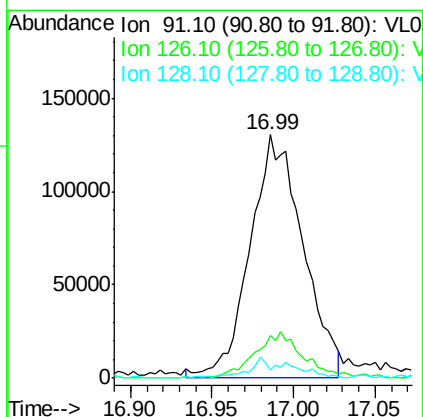
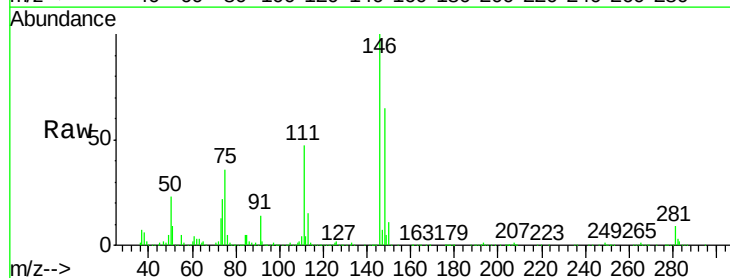
Manual Integrations
 APPROVED

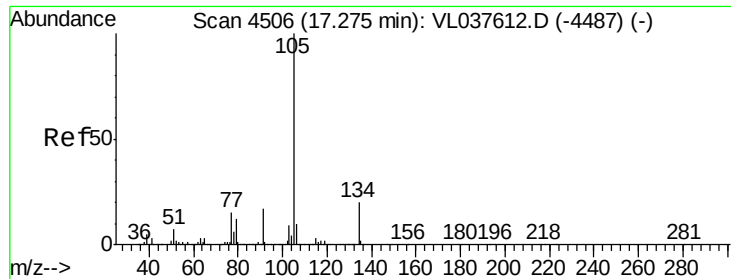
MMDadoda
 9/27/2021 10:56:33 AM



#66
 Benzyl Chloride
 Concen: 8.994 ppbv m
 RT: 16.99 min Scan# 4416
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 91 Resp: 294411
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.4 21.6#
 128 6.3 5.7 8.5





#67

sec-Butylbenzene

Concen: 9.416 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 7652384

Ion Ratio Lower Upper

105 100

134 19.2

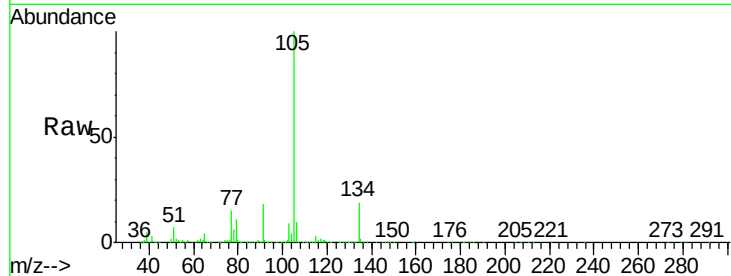
15.7 23.5

Manual Integrations

APPROVED

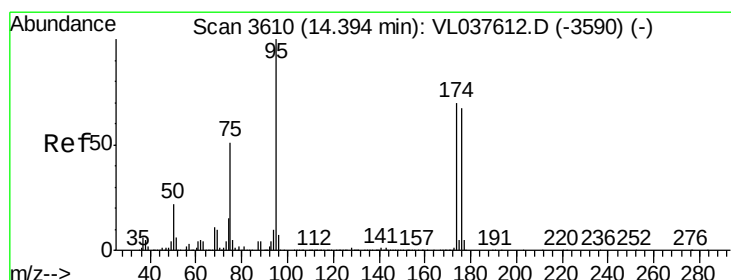
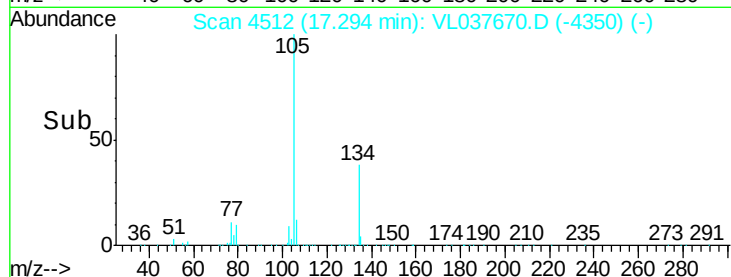
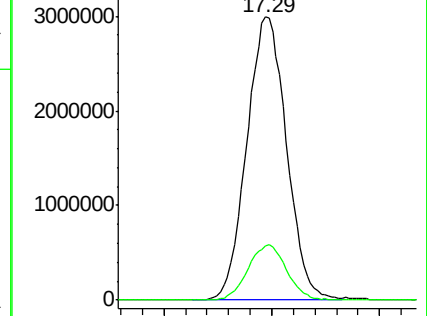
MMDadoda

9/27/2021 10:56:33 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.563 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037670.D

Acq: 23 Sep 2021 19:47

Tgt Ion: 95 Resp: 3297408

Ion Ratio Lower Upper

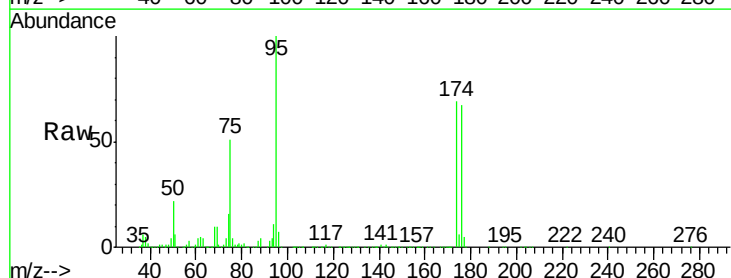
95 100

174 74.6

175 5.7

56.3 84.5

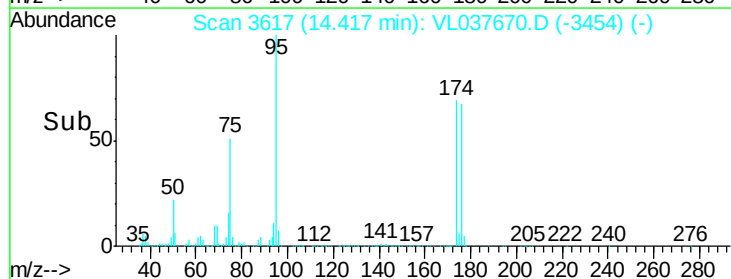
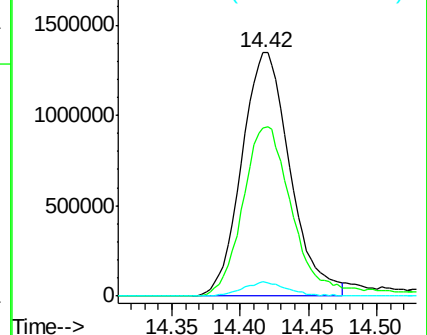
4.4 6.6

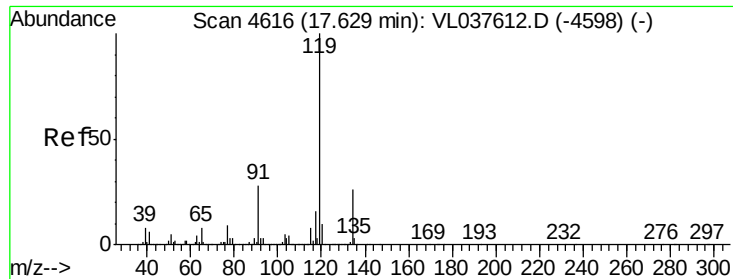


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





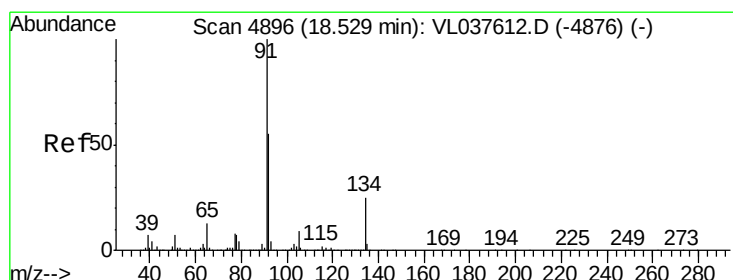
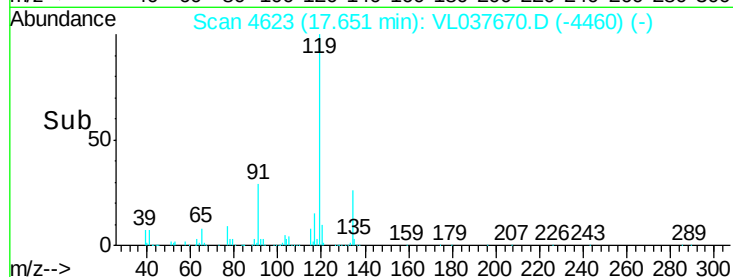
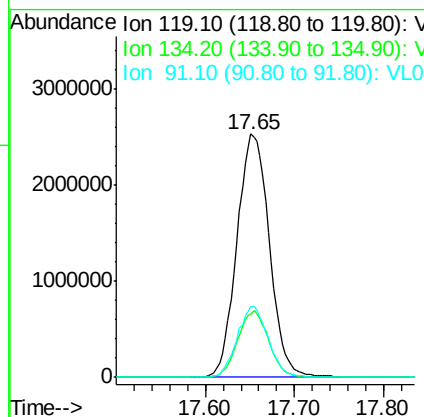
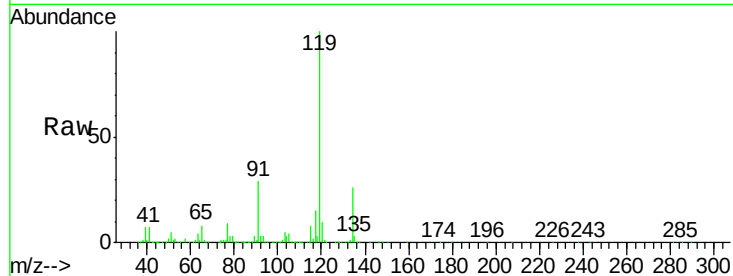
#69
 p-Isopropyltoluene
 Concen: 9.614 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 6383642
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.2 31.8
 91 27.9 22.2 33.2

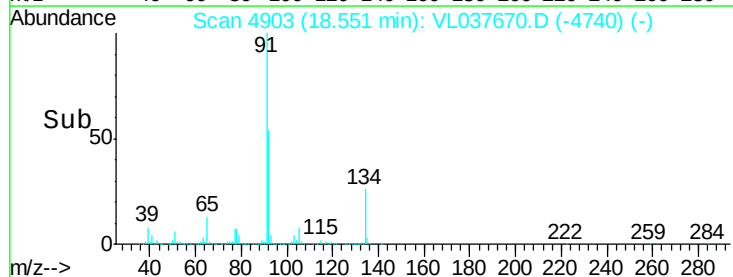
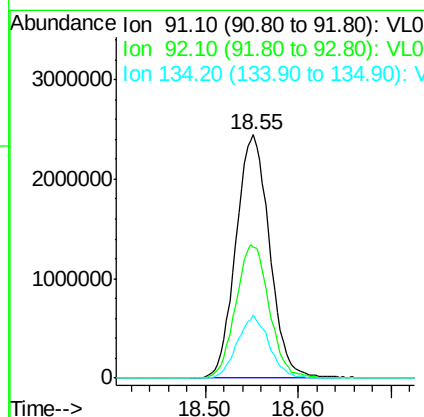
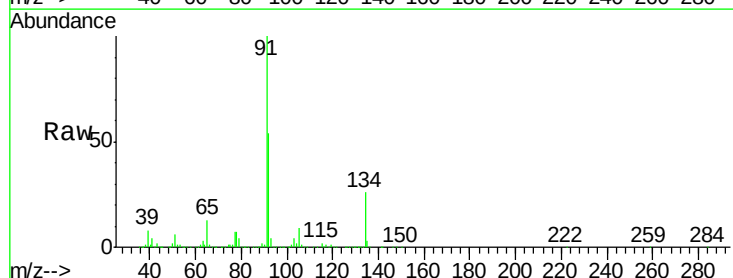
Manual Integrations
 APPROVED

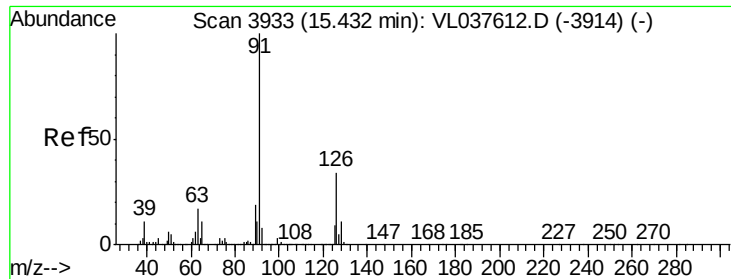
MMDadoda
 9/27/2021 10:56:33 AM



#70
 n-Butylbenzene
 Concen: 9.800 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 91 Resp: 6156542
 Ion Ratio Lower Upper
 91 100
 92 54.8 44.0 66.0
 134 24.6 19.5 29.3





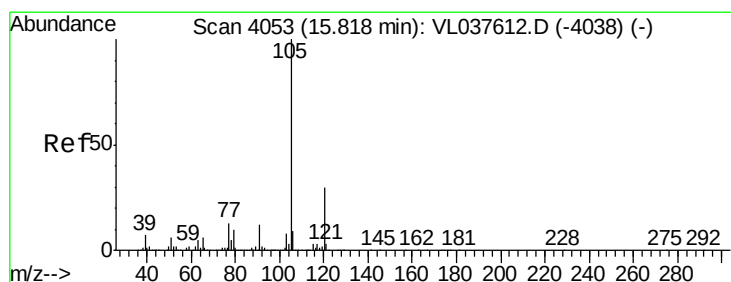
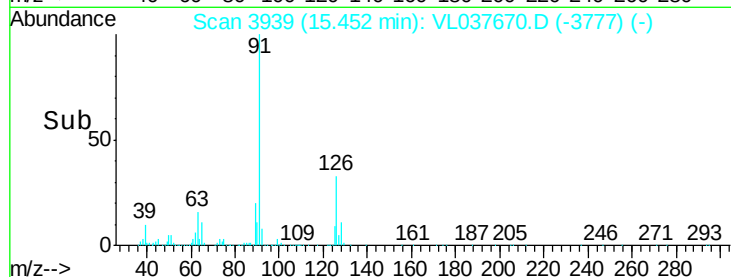
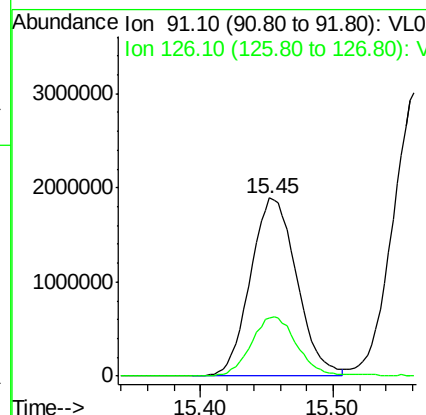
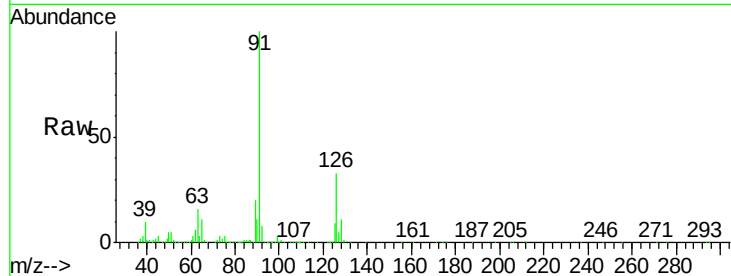
#71
 2-Chlorotoluene
 Concen: 9.669 ppbv
 RT: 15.45 min Scan# 3939
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 91 Resp: 4603589
 Ion Ratio Lower Upper
 91 100
 126 33.9 13.2 52.8

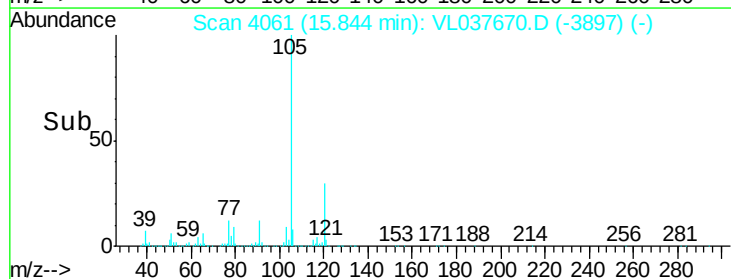
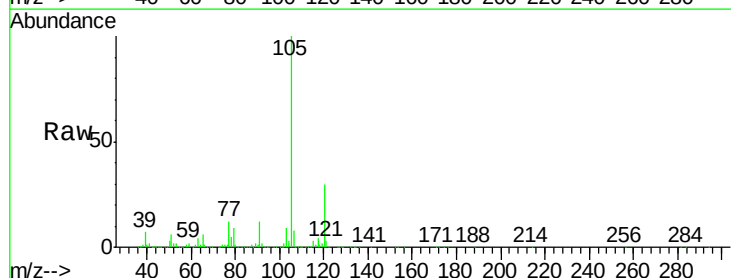
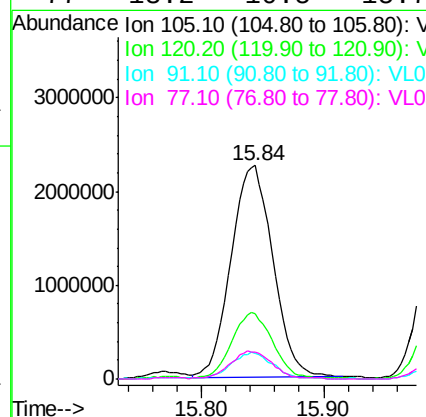
Manual Integrations
 APPROVED

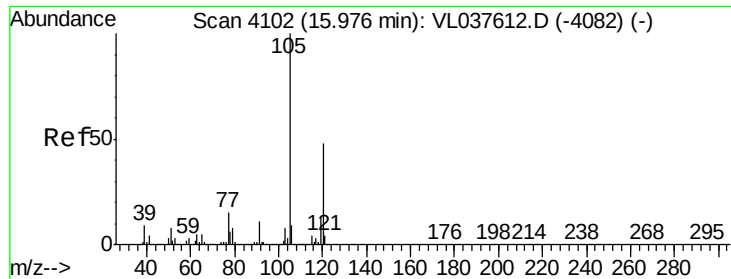
MMDadoda
 9/27/2021 10:56:33 AM



#72
 4-Ethyltoluene
 Concen: 9.877 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.03 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion: 105 Resp: 5392110
 Ion Ratio Lower Upper
 105 100
 120 31.1 24.7 37.1
 91 12.1 9.9 14.9
 77 13.2 10.5 15.7





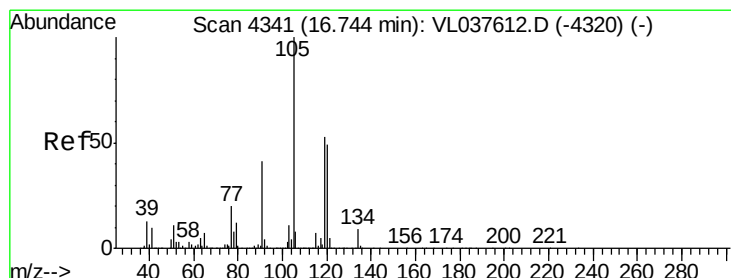
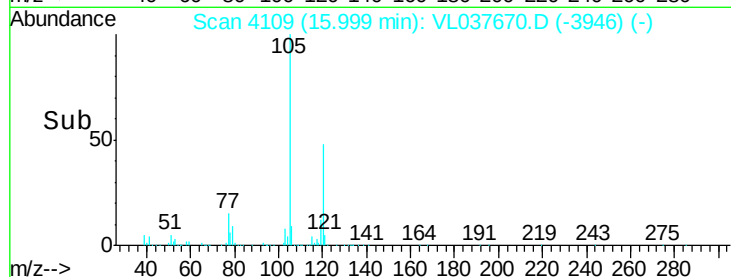
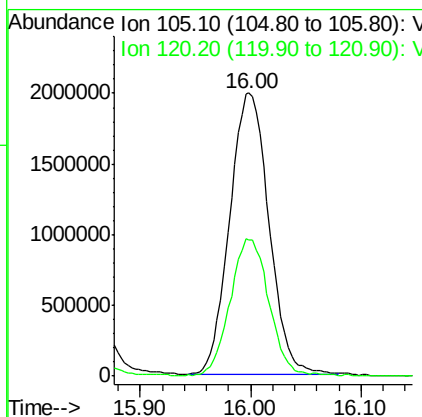
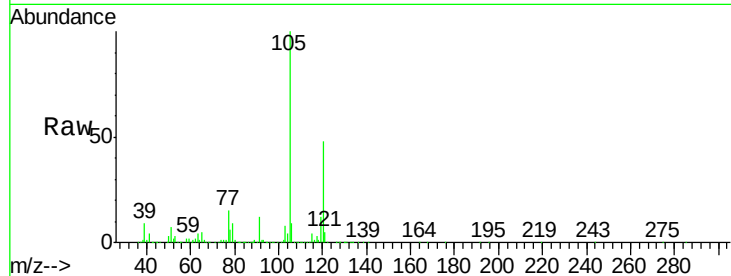
#73
 1,3,5-Trimethylbenzene
 Concen: 9.633 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:105 Resp: 4901813
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.3 57.5

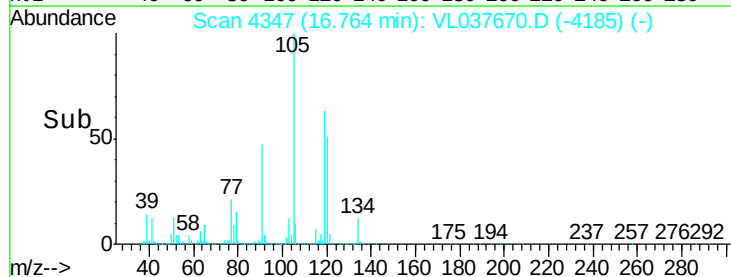
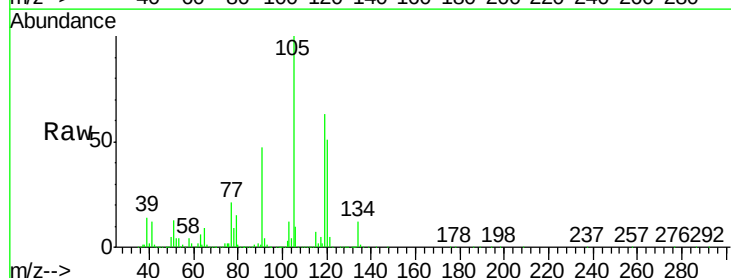
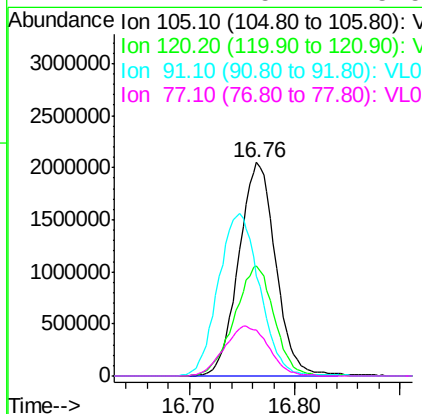
Manual Integrations
 APPROVED

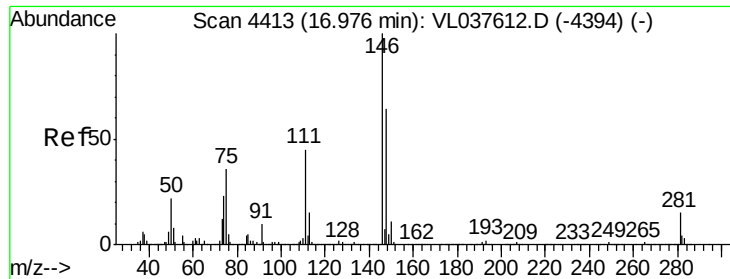
MMDadoda
 9/27/2021 10:56:33 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.282 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion:105 Resp: 4975171
 Ion Ratio Lower Upper
 105 100
 120 51.3 39.4 59.0
 91 46.3 33.3 49.9
 77 21.1 15.7 23.5





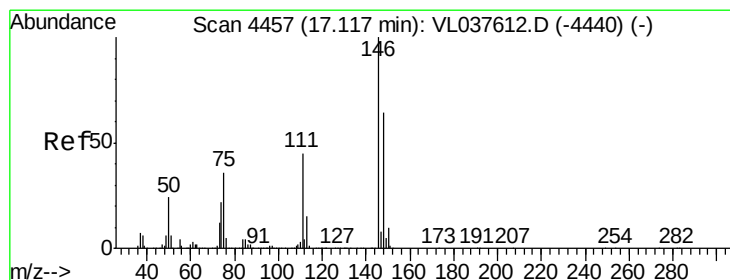
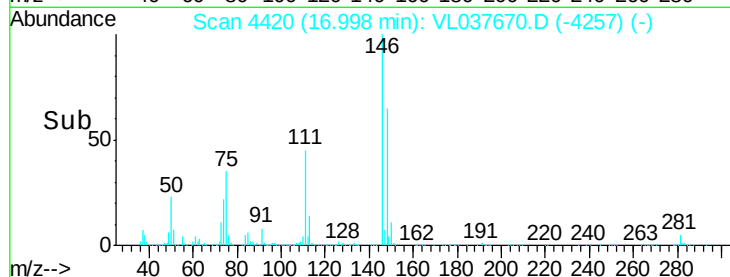
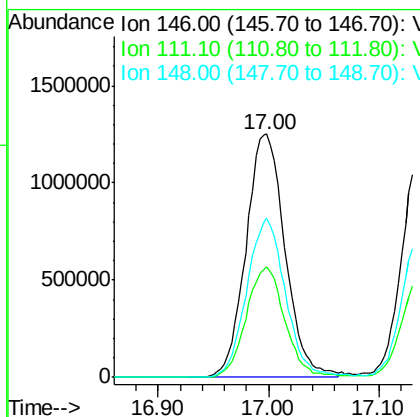
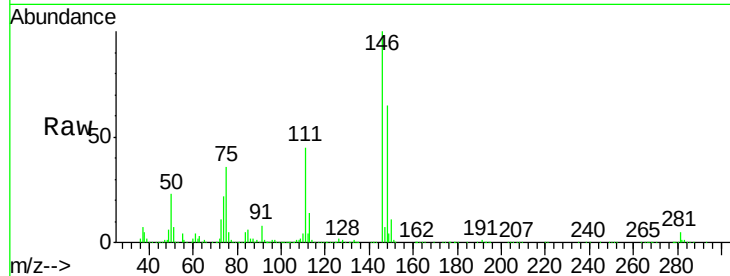
#75
 1,3-Dichlorobenzene
 Concen: 9.201 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 3063990
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.8 68.3
 148 65.0 32.1 96.5

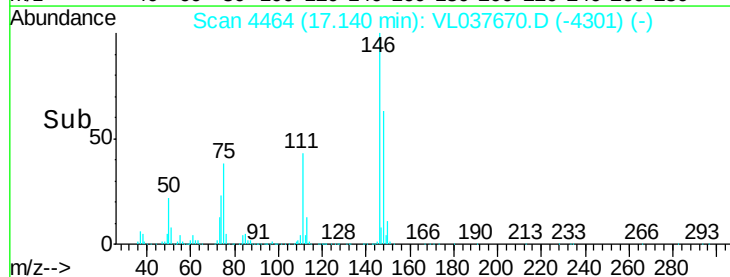
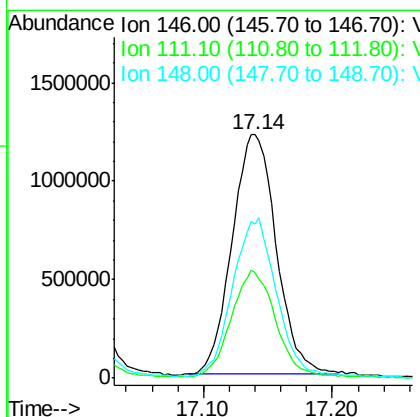
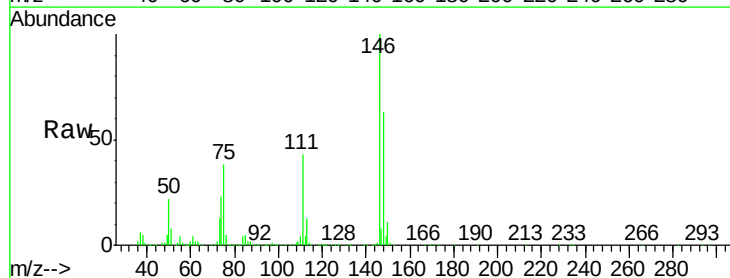
Manual Integrations
 APPROVED

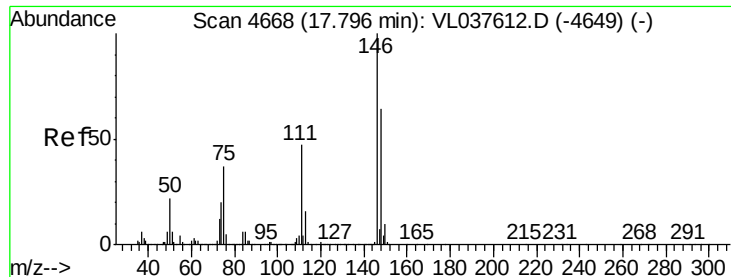
MMDadoda
 9/27/2021 10:56:33 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.803 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion:146 Resp: 2891156
 Ion Ratio Lower Upper
 146 100
 111 46.6 22.5 67.5
 148 68.1 32.9 98.6





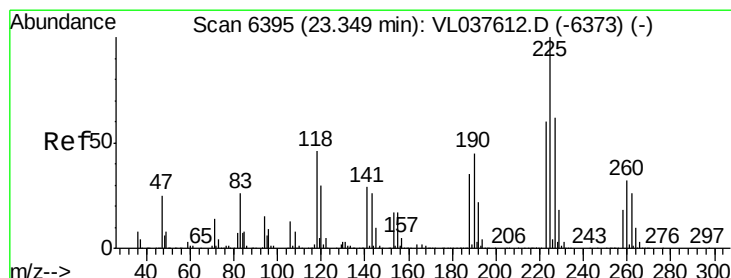
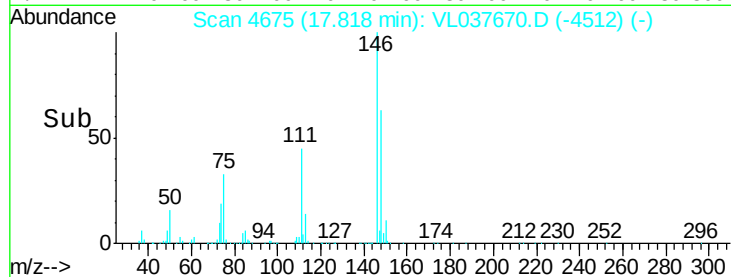
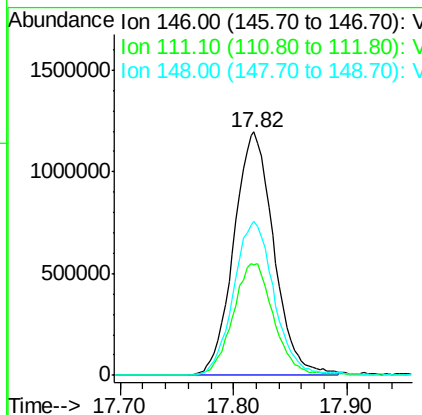
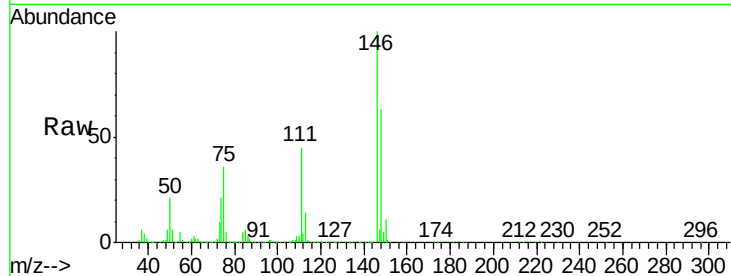
#77
 1,2-Dichlorobenzene
 Concen: 9.233 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. 0.02 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2916353
 Ion Ratio Lower Upper
 146 100
 111 47.4 24.0 72.0
 148 65.4 32.8 98.3

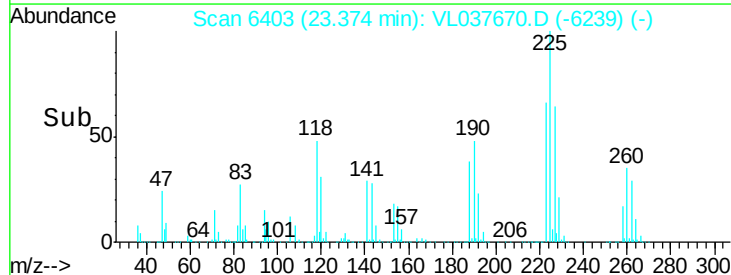
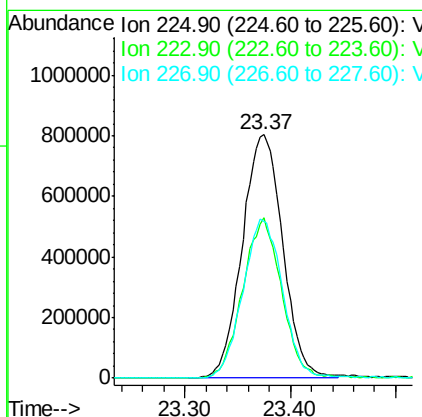
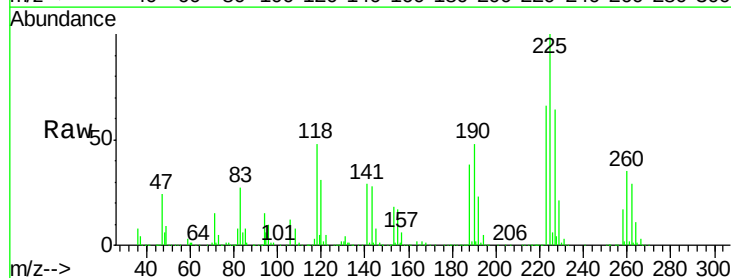
Manual Integrations
 APPROVED

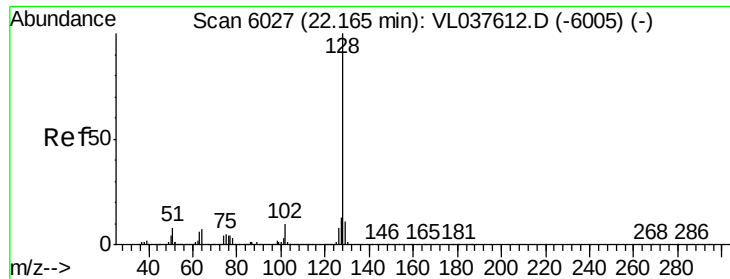
MMDadoda
 9/27/2021 10:56:33 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.088 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.03 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Tgt Ion:225 Resp: 2149995
 Ion Ratio Lower Upper
 225 100
 223 63.3 51.1 76.7
 227 64.4 52.2 78.4





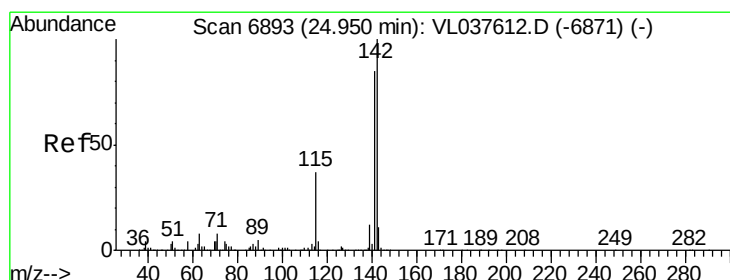
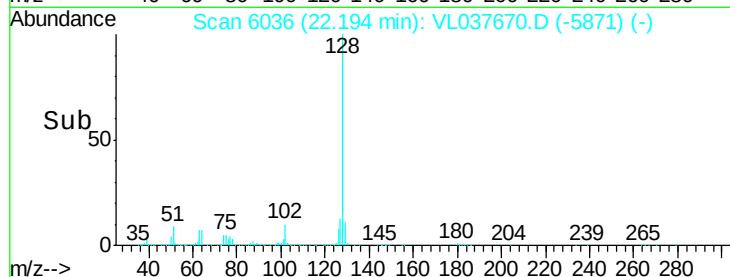
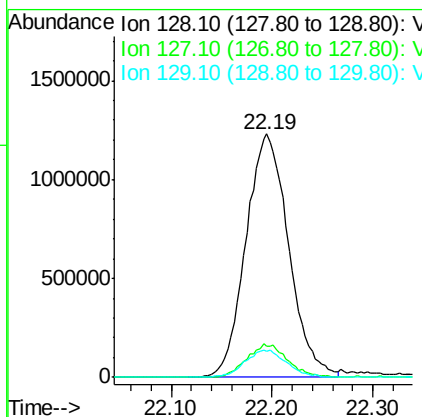
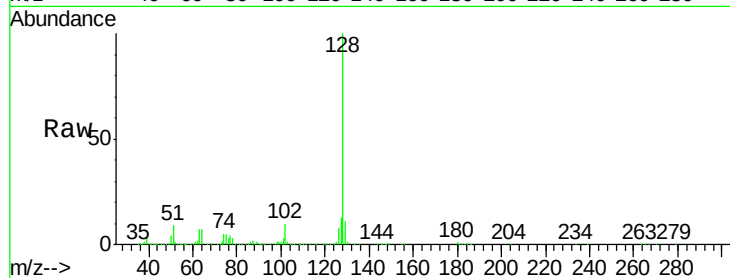
#79
Naphthalene
Concen: 10.988 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.03 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3616149
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.9 8.6 12.8

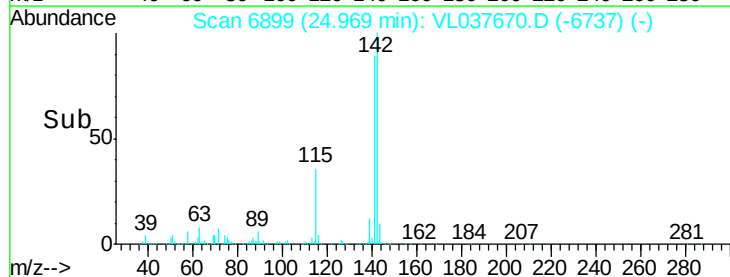
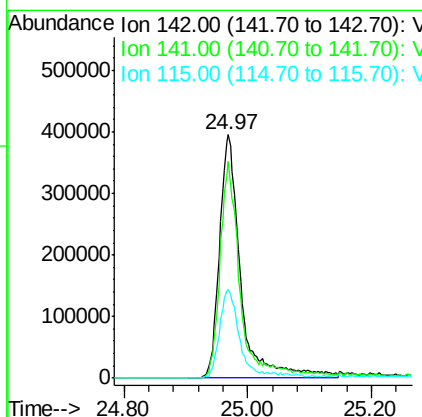
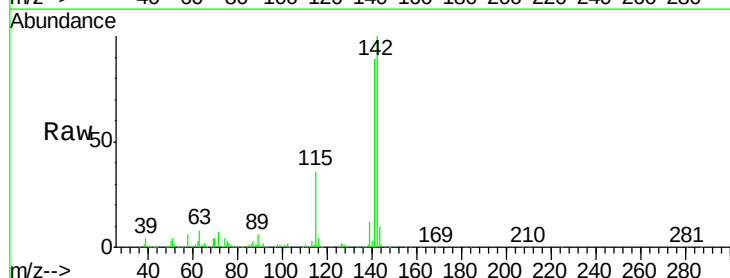
Manual Integrations
APPROVED

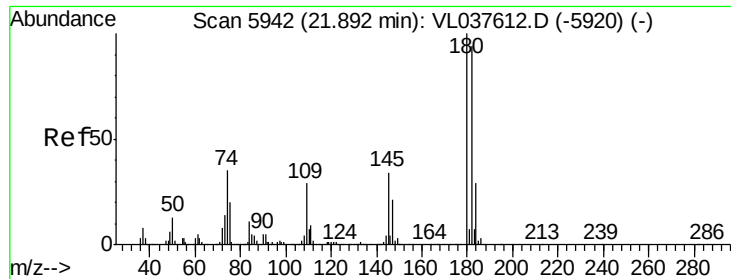
MMDadoda
9/27/2021 10:56:33 AM



#80
Naphthalene, 2-methyl-
Concen: 12.569 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.02 min
Lab File: VL037670.D
Acq: 23 Sep 2021 19:47

Tgt Ion:142 Resp: 945484
Ion Ratio Lower Upper
142 100
141 83.5 70.9 106.3
115 36.0 29.6 44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.134 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.03 min
 Lab File: VL037670.D
 Acq: 23 Sep 2021 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	78.9	118.3
184	31.1	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:33 AM

