

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037055.D
 Acq On : 25 May 2021 9:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:23 AM

Quant Time: May 26 01:17:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1217399	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3680004	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3521726m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2583414	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	2020747	9.785	ppbv	100
3) Chlorodifluoromethane	2.97	51	2528818	11.338	ppbv	97
4) Chloromethane	3.12	50	867950	11.436	ppbv	98
5) Vinyl Chloride	3.24	62	933686	11.255	ppbv	99
6) Bromomethane	3.46	94	515277	11.788	ppbv	95
7) Chloroethane	3.54	64	342570	12.718	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2300798	11.865	ppbv	96
9) Propene	3.00	41	828048	10.368	ppbv	98
10) Heptane	8.10	43	2114583	10.624	ppbv	99
11) Trichlorofluoromethane	3.93	101	2449172	12.812	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1716435	12.606	ppbv	97
13) Ethanol	3.60	45	111495m	10.463	ppbv	
14) Bromoethene	3.72	108	738479	12.313	ppbv	99
15) Acetone	3.84	43	1229595	9.861	ppbv	96
16) 1,3-Butadiene	3.31	39	920310	11.880	ppbv	97
17) tert-Butyl alcohol	4.28	59	1351286	11.831	ppbv	98
18) 1,1-Dichloroethene	4.27	96	760947	12.086	ppbv	94
19) Isopropyl Alcohol	3.95	45	820595	12.242	ppbv	# 33
20) Methylene Chloride	4.33	84	662830	9.916	ppbv	96
21) Allyl Chloride	4.39	41	1066797	11.341	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	764292	12.666	ppbv	99
23) Vinyl Acetate	5.06	43	2215129	11.192	ppbv	100
24) 1,1-Dichloroethane	4.99	63	1693176	11.885	ppbv	99
25) Ethyl Acetate	5.66	43	3283113	10.957	ppbv	99
26) Hexane	5.67	57	1593322	10.409	ppbv	99
27) Carbon Disulfide	4.53	76	1770366	11.476	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2031197	11.070	ppbv	98
29) Chloroform	5.73	83	2570391	11.886	ppbv	96
30) Cyclohexane	7.11	84	1424307	10.950	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1570662	11.445	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2665048	11.476	ppbv	98
34) 2-Butanone	5.23	43	1525739	11.386	ppbv	100
35) Carbon Tetrachloride	7.00	117	2831103	11.579	ppbv	100
36) Benzene	6.87	78	3305584	10.428	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1940818	12.350	ppbv	99
38) Trichloroethene	7.82	130	1422644	10.492	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1267599	10.381	ppbv	98
40) 1,4-Dioxane	7.82	88	285755	9.911	ppbv	# 100
41) Tetrahydrofuran	6.03	42	767635	10.058	ppbv	98
42) Bromodichloromethane	7.77	83	2748910	11.562	ppbv	99
43) Methyl Methacrylate	7.99	69	1214717	11.119	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037055.D
 Acq On : 25 May 2021 9:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

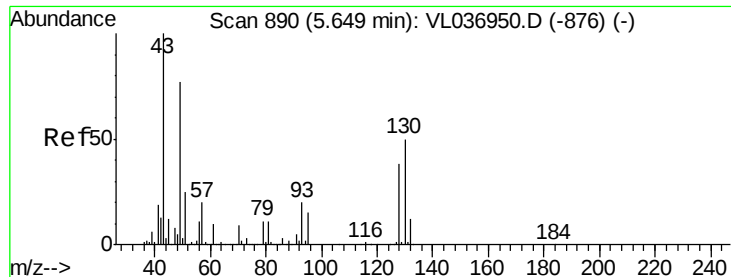
Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:23 AM

Quant Time: May 26 01:17:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5473795	10.065	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	939032	11.250	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1227399	10.933	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1405477	10.998	ppbv	95
48) Dibromochloromethane	10.28	129	2529303	12.223	ppbv	100
49) Bromoform	13.02	173	2093851	12.252	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2384669	10.785	ppbv	98
51) 2-Hexanone	10.12	43	1281829	10.966	ppbv #	95
52) Tetrachloroethene	11.20	164	1362769	10.812	ppbv	97
53) Toluene	9.79	91	3987497	10.572	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2095450	11.533	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1720057	11.608	ppbv #	56
57) Chlorobenzene	12.13	112	3029422	11.094	ppbv	99
58) Ethyl Benzene	12.69	91	5310913	10.685	ppbv	100
59) m/p-Xylene	12.97	91	8976892m	21.849	ppbv	
60) o-Xylene	13.67	91	4265520	10.886	ppbv	99
61) Styrene	13.51	104	2484251	11.253	ppbv	98
62) Isopropylbenzene	14.65	105	6048306	10.740	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2885928	9.861	ppbv	99
64) n-propylbenzene	15.54	120	1639054	11.280	ppbv	98
65) tert-Butylbenzene	16.72	119	5543683	10.909	ppbv	99
66) Benzyl Chloride	16.97	91	238966	8.475	ppbv	100
67) sec-Butylbenzene	17.28	105	7436249	10.727	ppbv	100
69) p-Isopropyltoluene	17.63	119	6610313	11.090	ppbv	99
70) n-Butylbenzene	18.53	91	6372932	11.255	ppbv	99
71) 2-Chlorotoluene	15.43	91	4416046	10.857	ppbv	98
72) 4-Ethyltoluene	15.82	105	5305170	11.407	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4846886	11.098	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5045902	11.174	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	3136777	11.375	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	3106731	11.143	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3054595	11.055	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2229679	10.036	ppbv	99
79) Naphthalene	22.17	128	4415902	12.463	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	1092141	14.175	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2532251	11.724	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 49 Resp: 1217399

Ion Ratio Lower Upper

49 100

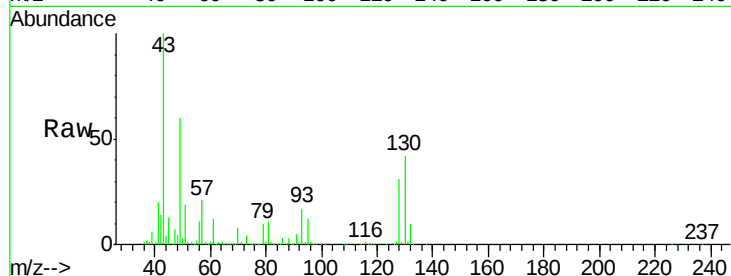
128 59.2 26.9 80.7

130 72.7 33.8 101.4

Manual Integrations
APPROVED

MMDadoda

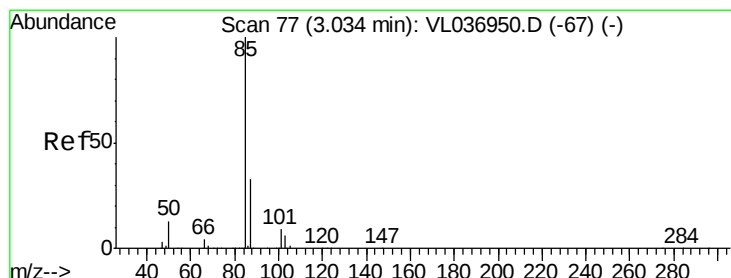
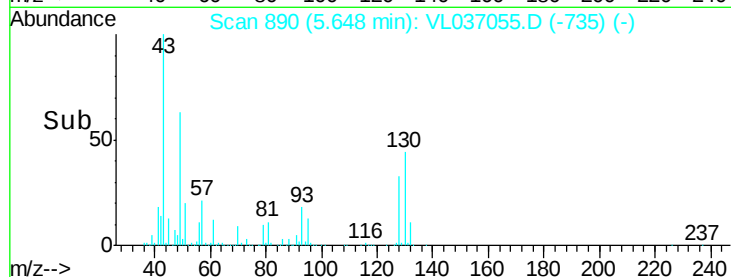
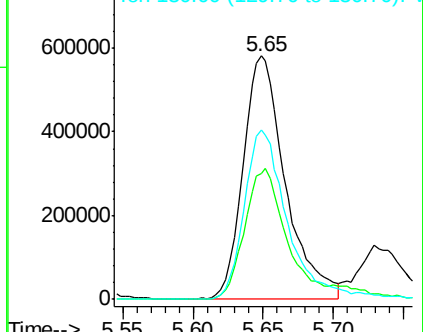
5/27/2021 10:31:23 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.785 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL037055.D

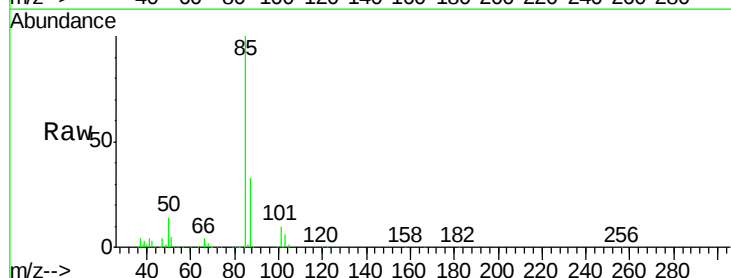
Acq: 25 May 2021 9:21

Tgt Ion: 85 Resp: 2020747

Ion Ratio Lower Upper

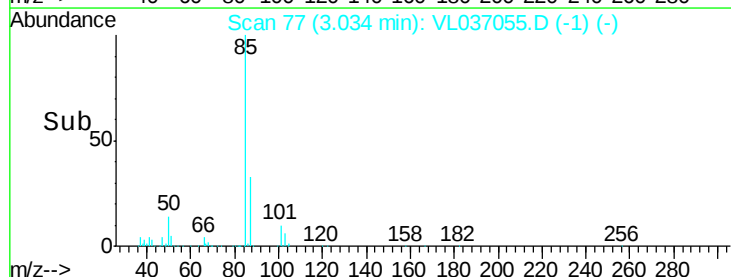
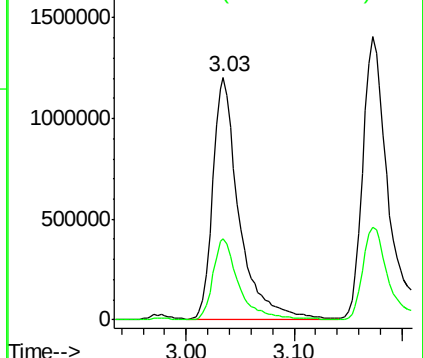
85 100

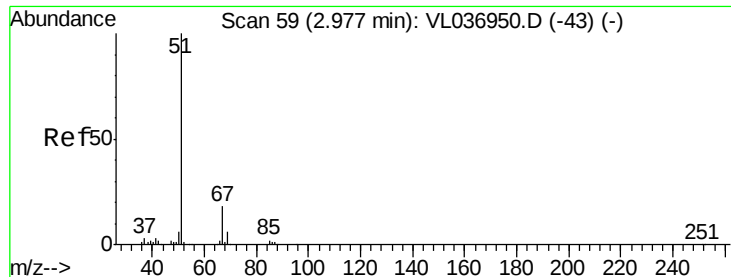
87 33.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.338 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 51 Resp: 2528818

Ion Ratio Lower Upper

51 100

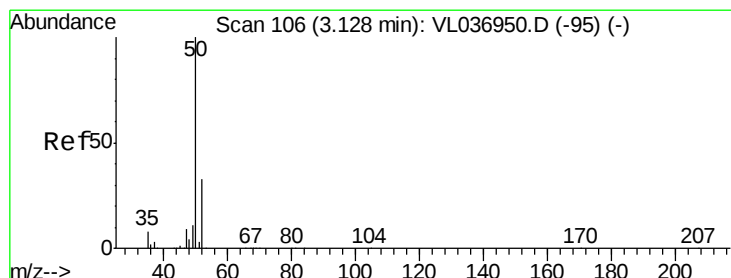
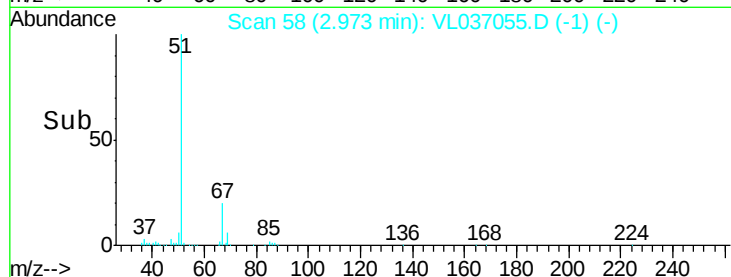
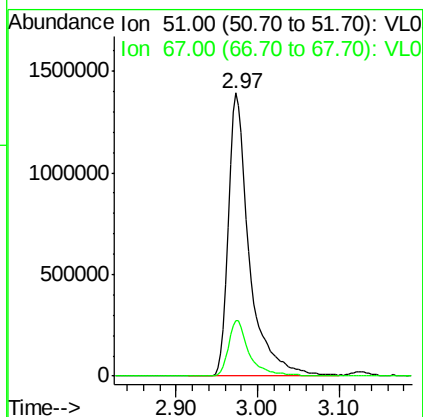
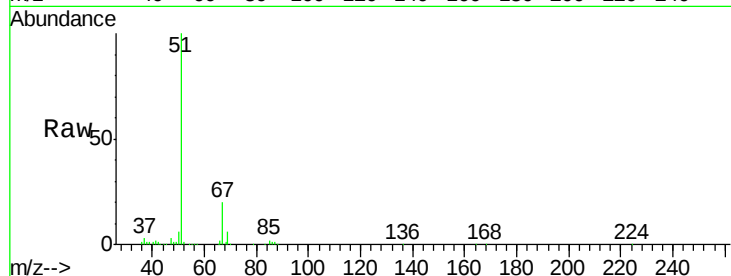
67 19.7 14.6 21.8

Manual Integrations

APPROVED

MMDadoda

5/27/2021 10:31:23 AM



#4

Chloromethane

Concen: 11.436 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037055.D

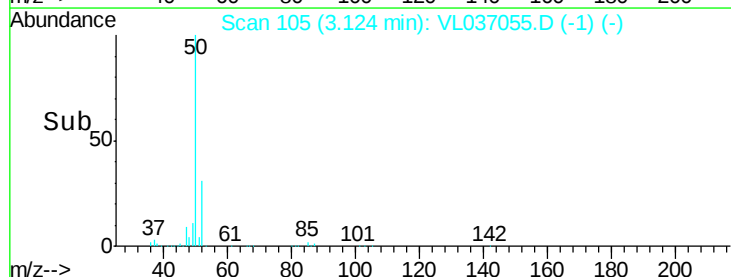
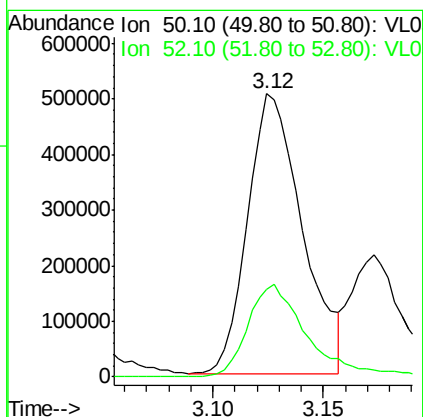
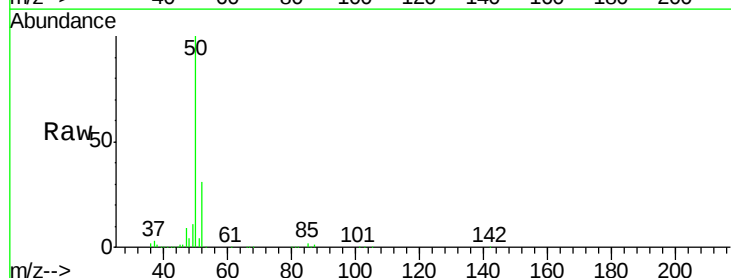
Acq: 25 May 2021 9:21

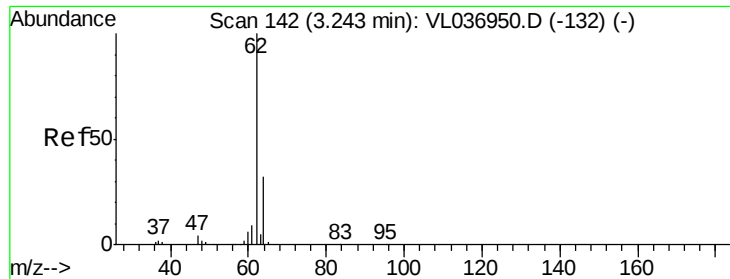
Tgt Ion: 50 Resp: 867950

Ion Ratio Lower Upper

50 100

52 31.5 26.1 39.1





#5

Vinyl Chloride

Concen: 11.255 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 933686

Ion Ratio Lower Upper

62 100

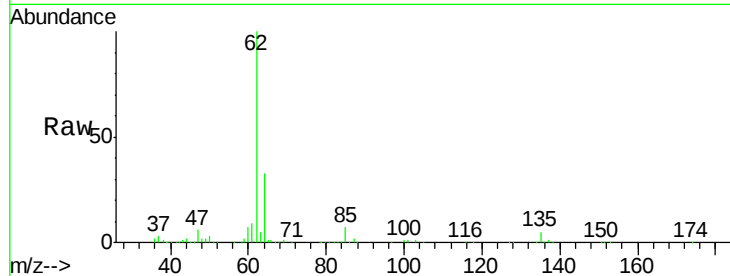
64 32.9 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

5/27/2021 10:31:23 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

600000

500000

400000

300000

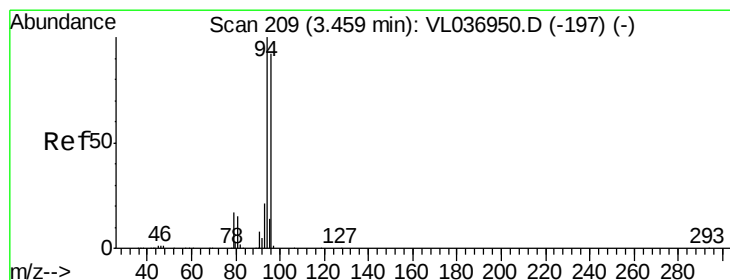
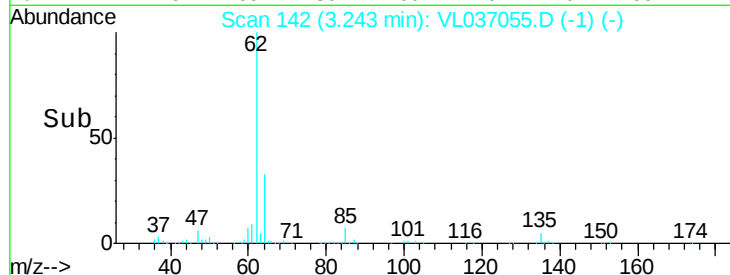
200000

100000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 11.788 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL037055.D

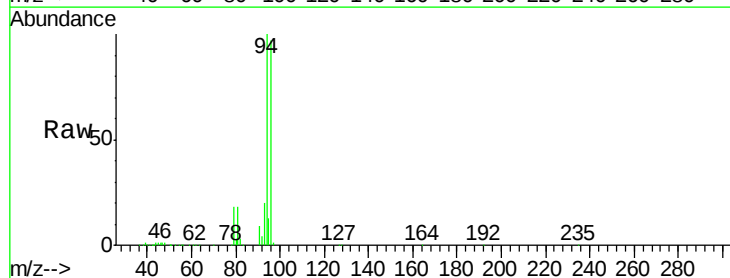
Acq: 25 May 2021 9:21

Tgt Ion: 94 Resp: 515277

Ion Ratio Lower Upper

94 100

96 97.5 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

300000

250000

200000

150000

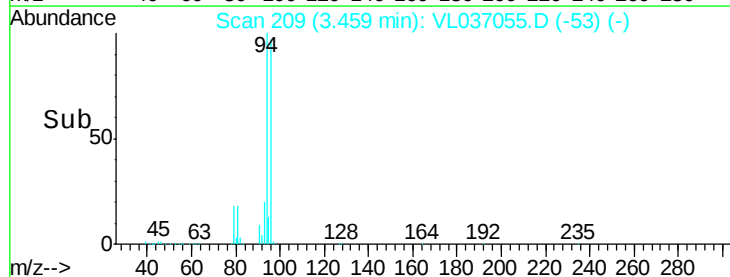
100000

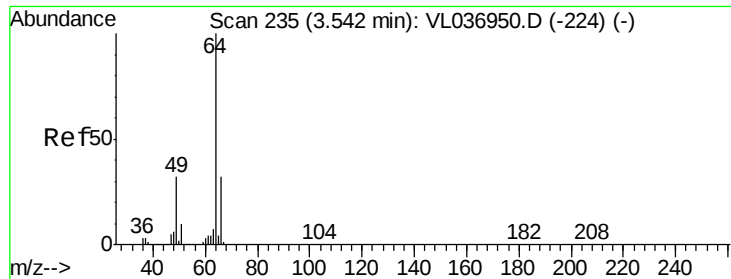
50000

0

3.40 3.45 3.50

Time-->





#7

Chloroethane

Concen: 12.718 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 342570

Ion Ratio Lower Upper

64 100

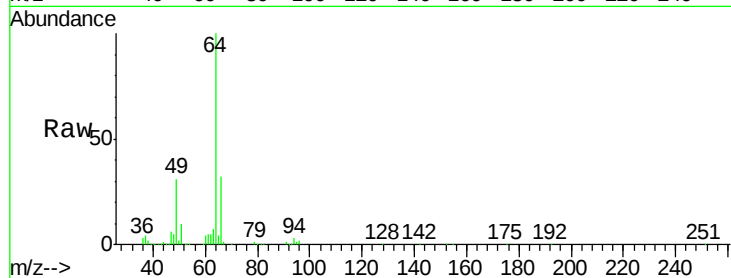
66 32.4 25.4 38.2

Manual Integrations

APPROVED

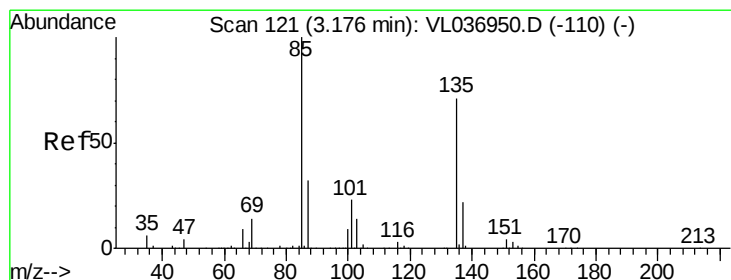
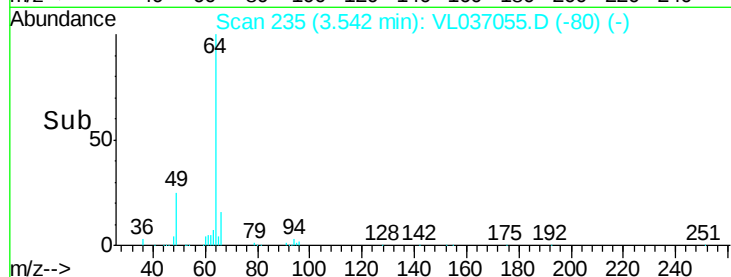
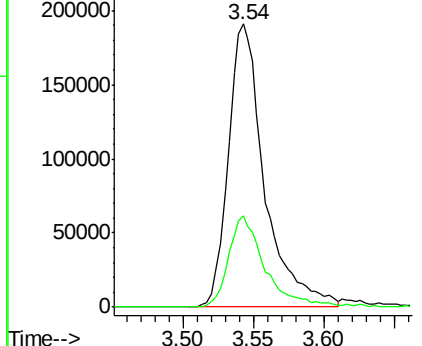
MMDadoda

5/27/2021 10:31:23 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 11.865 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.00 min

Lab File: VL037055.D

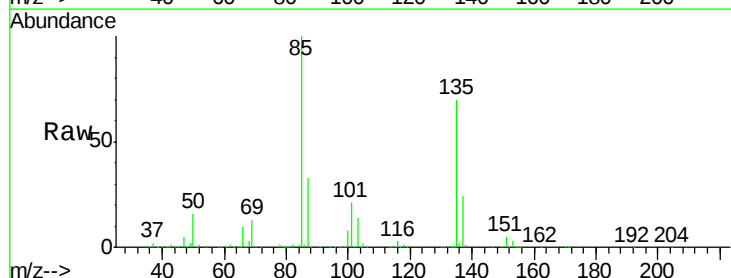
Acq: 25 May 2021 9:21

Tgt Ion: 85 Resp: 2300798

Ion Ratio Lower Upper

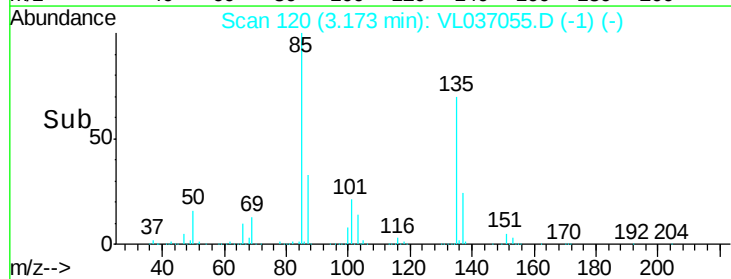
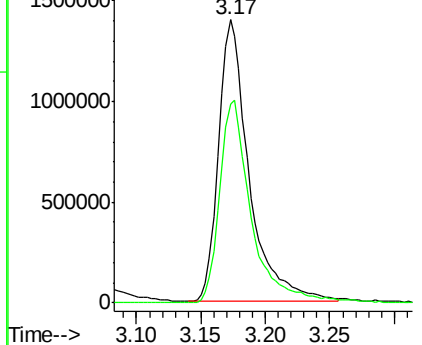
85 100

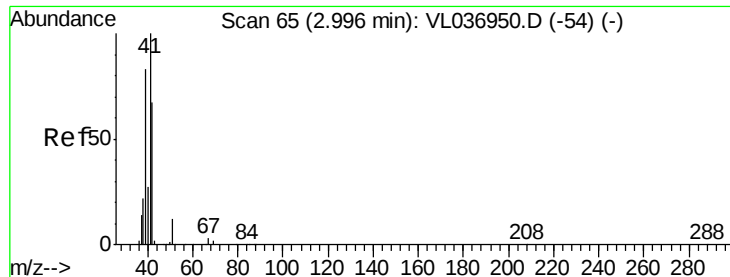
135 75.4 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





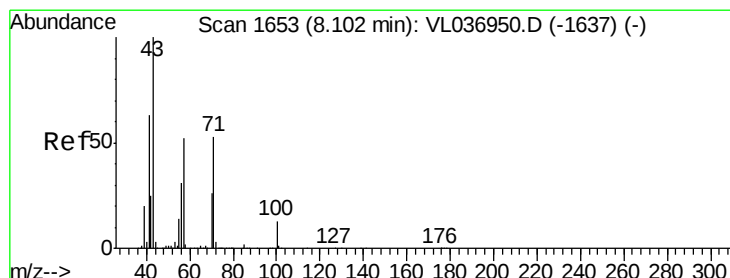
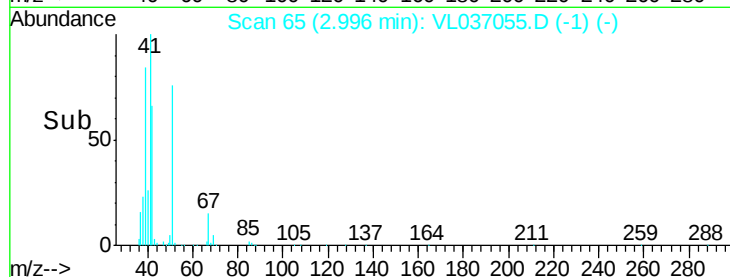
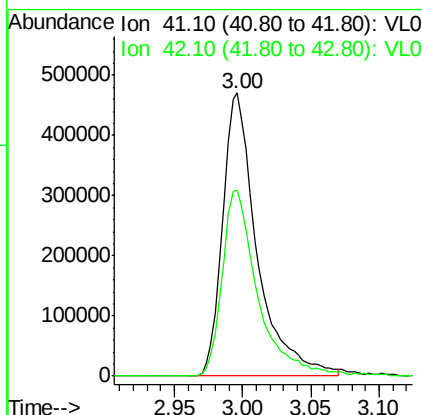
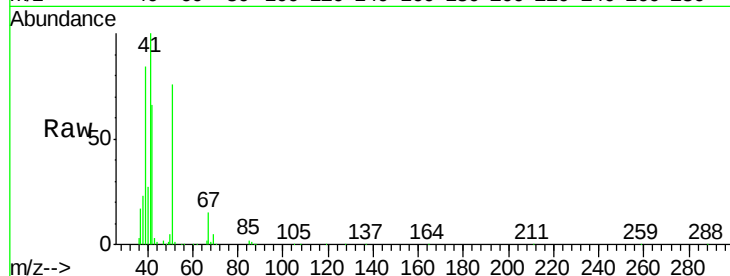
#9
 Propene
 Concen: 10.368 ppbv
 RT: 3.00 min Scan# 65
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 828048
 Ion Ratio Lower Upper
 41 100
 42 68.6 53.9 80.9

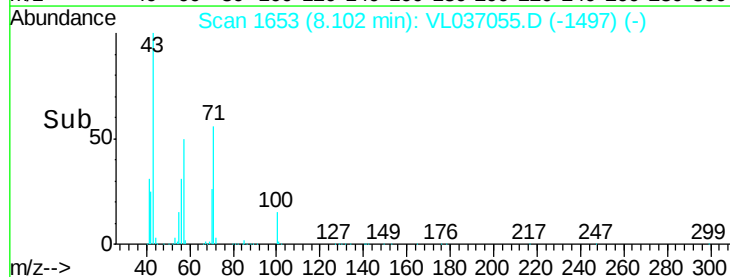
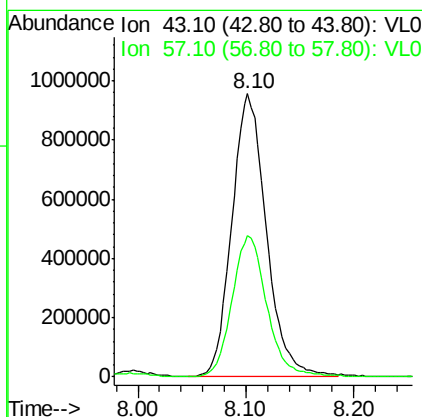
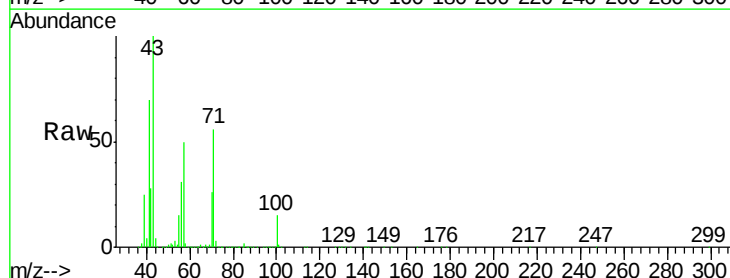
Manual Integrations
 APPROVED

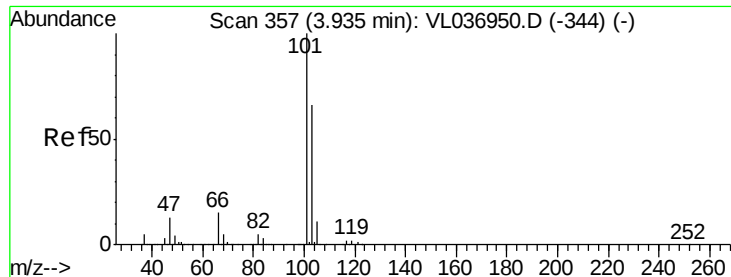
MMDadoda
 5/27/2021 10:31:23 AM



#10
 Heptane
 Concen: 10.624 ppbv
 RT: 8.10 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 43 Resp: 2114583
 Ion Ratio Lower Upper
 43 100
 57 50.4 41.0 61.6





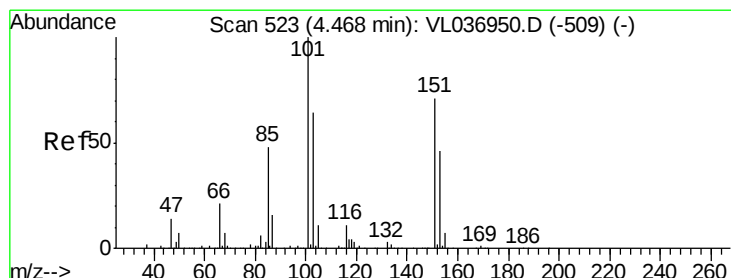
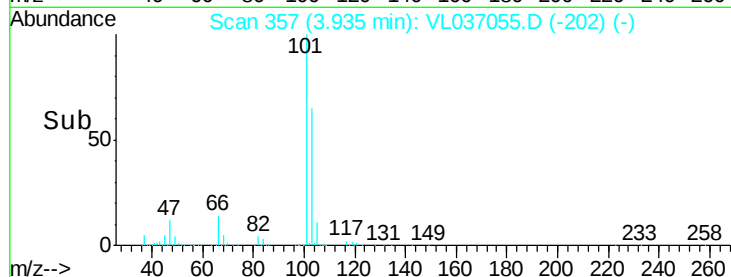
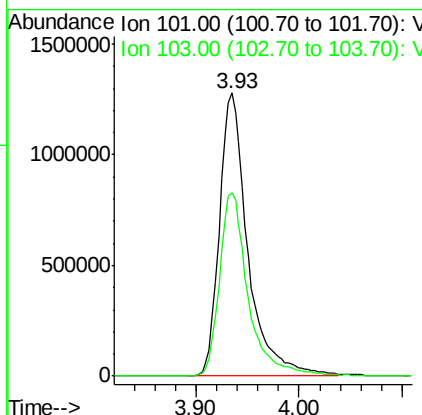
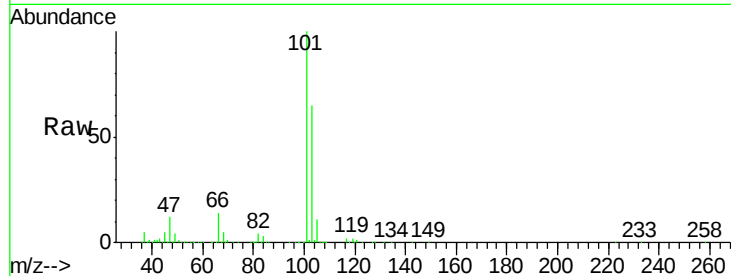
#11
 Trichlorofluoromethane
 Concen: 12.812 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 2449172
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.6 79.0

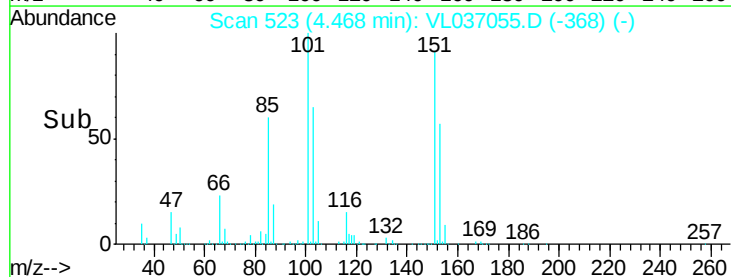
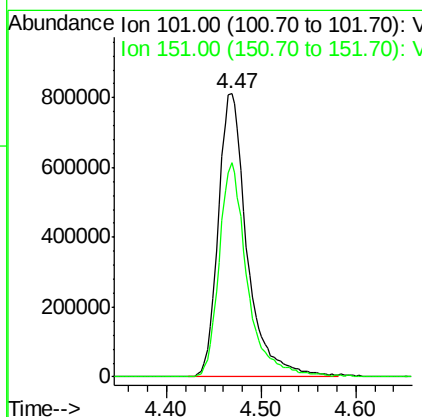
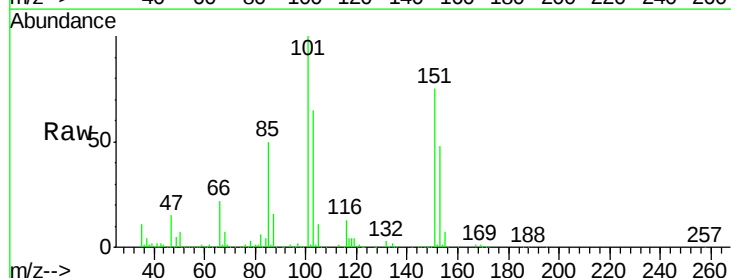
Manual Integrations
 APPROVED

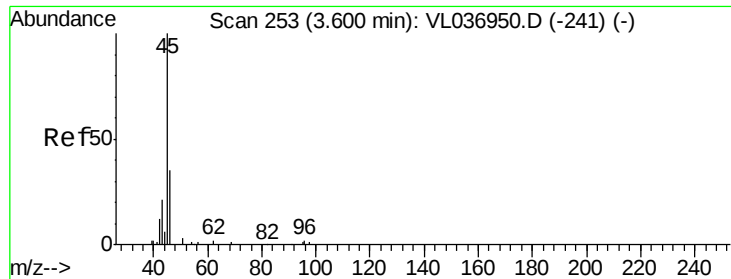
MMDadoda
 5/27/2021 10:31:23 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.606 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion:101 Resp: 1716435
 Ion Ratio Lower Upper
 101 100
 151 74.3 57.7 86.5





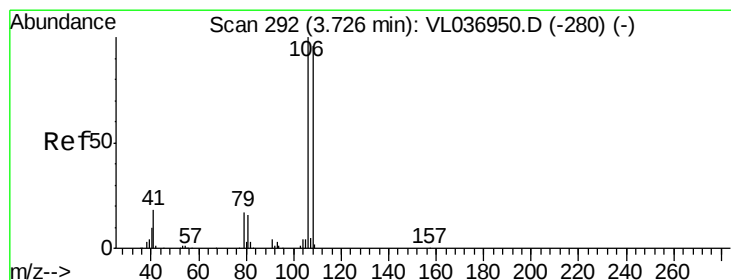
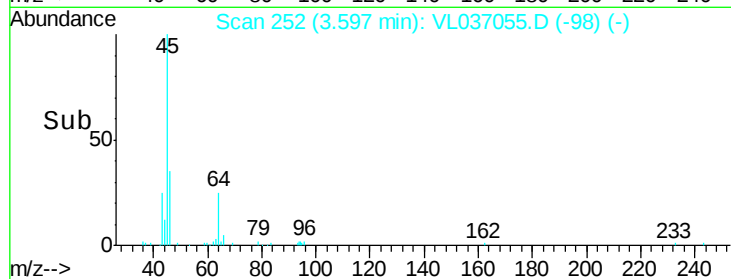
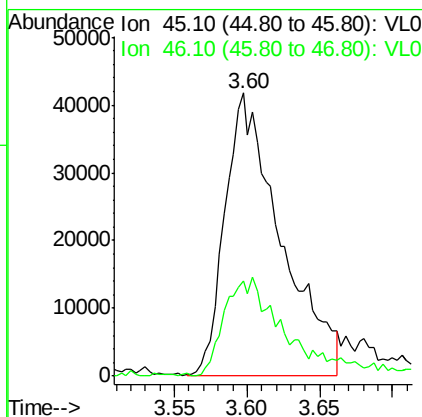
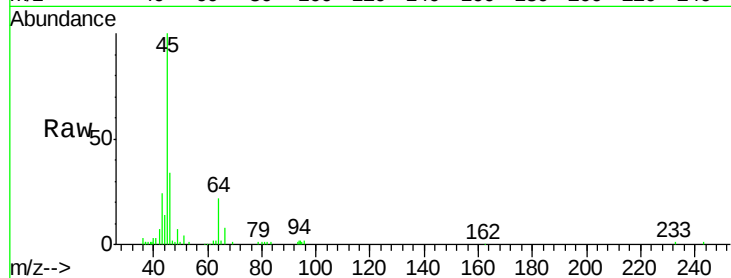
#13
Ethanol
Concen: 10.463 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 111495
Ion Ratio Lower Upper
45 100
46 40.0 16.3 65.3

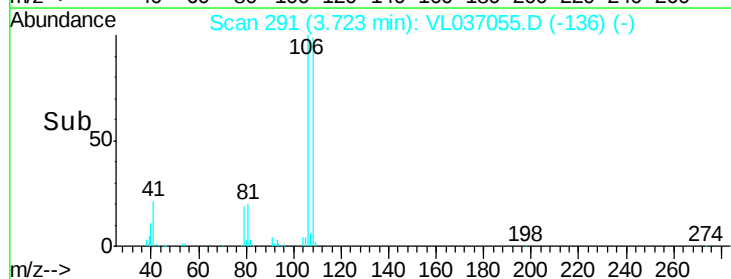
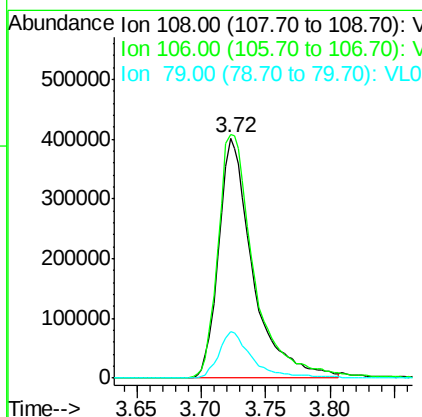
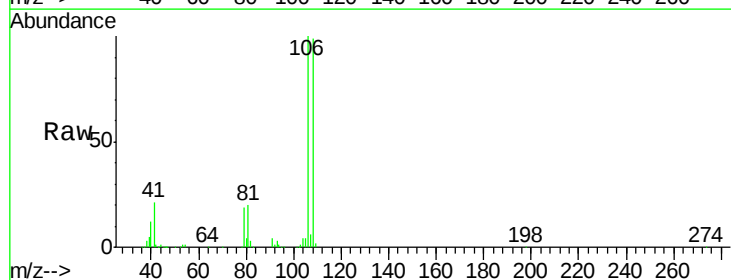
Manual Integrations
APPROVED

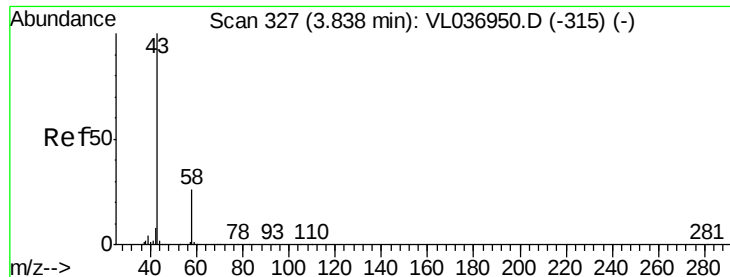
MMDadoda
5/27/2021 10:31:23 AM



#14
Bromoethene
Concen: 12.313 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 108 Resp: 738479
Ion Ratio Lower Upper
108 100
106 108.7 86.5 129.7
79 19.6 15.0 22.4





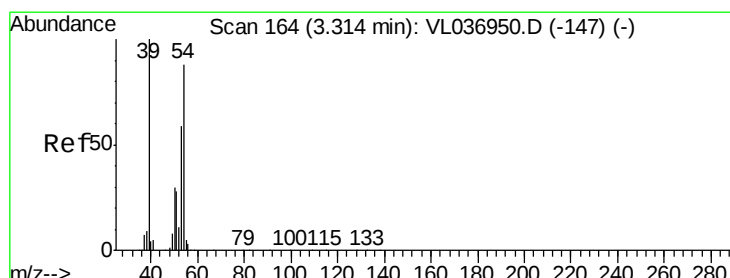
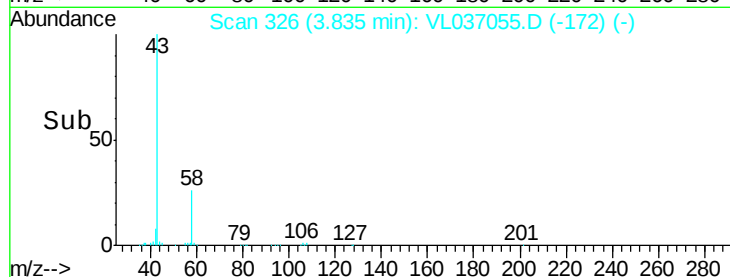
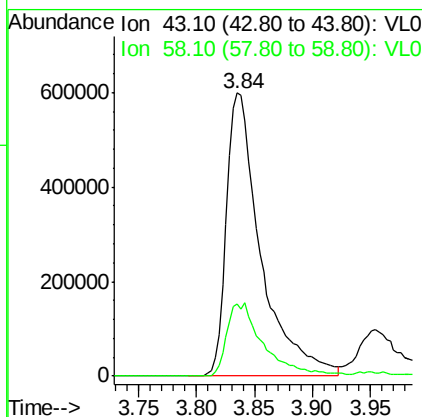
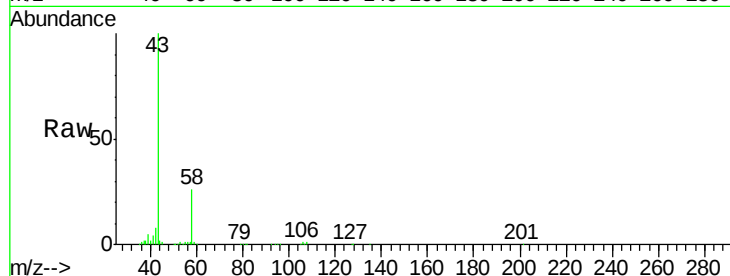
#15
Acetone
Concen: 9.861 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1229595
Ion Ratio Lower Upper
43 100
58 28.0 24.0 36.0

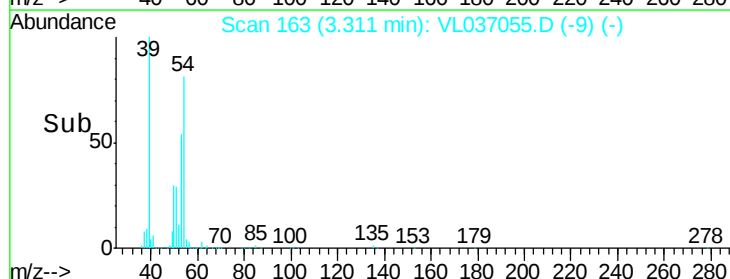
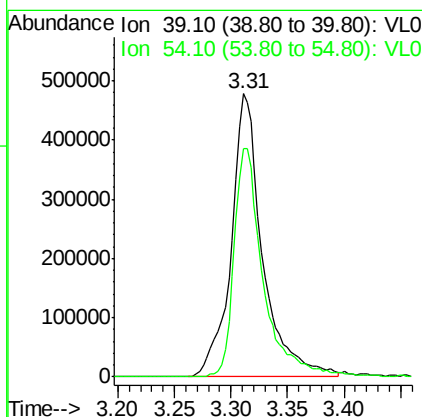
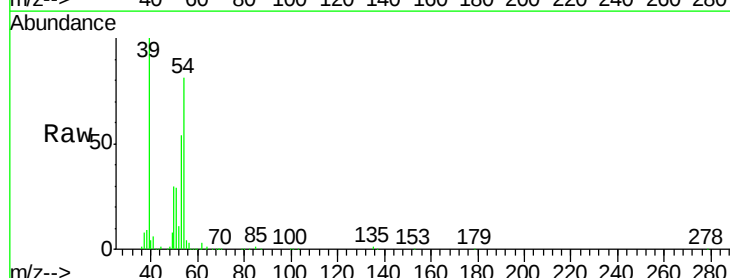
Manual Integrations
APPROVED

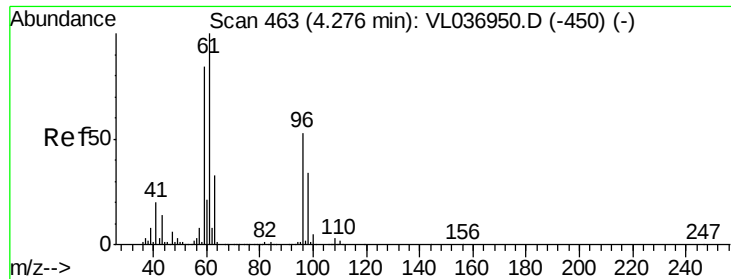
MMDadoda
5/27/2021 10:31:23 AM



#16
1,3-Butadiene
Concen: 11.880 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 39 Resp: 920310
Ion Ratio Lower Upper
39 100
54 76.1 63.2 94.8





#17

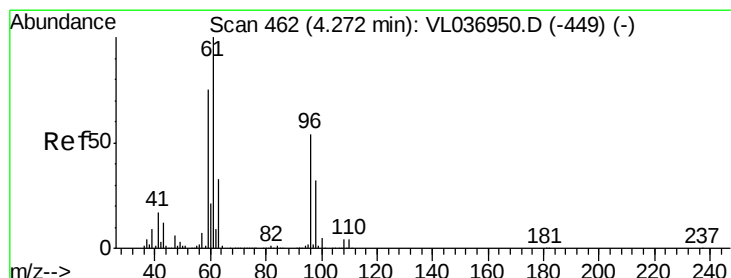
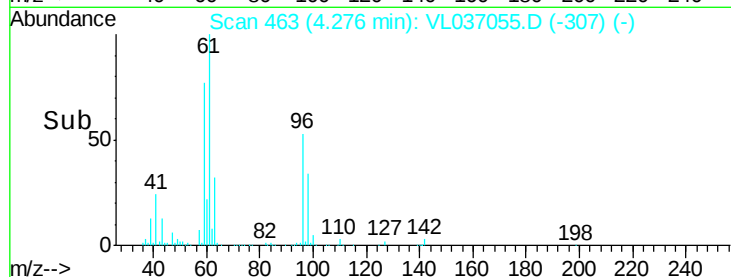
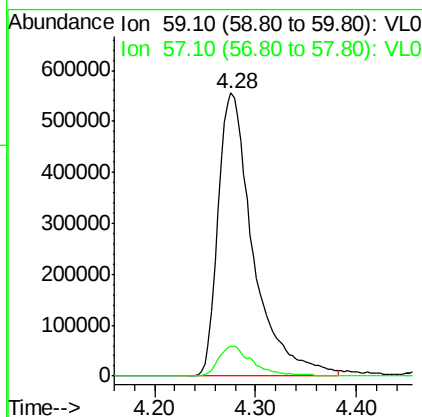
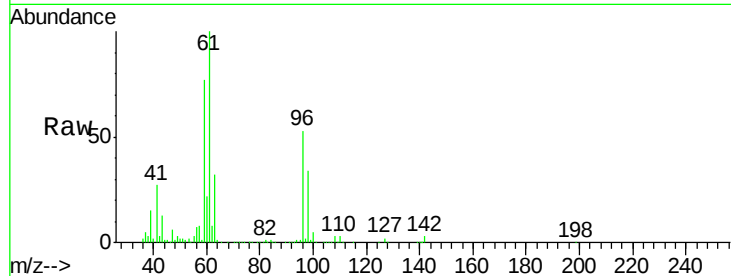
tert-Butyl alcohol
Concen: 11.831 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1351286
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

Manual Integrations
APPROVED

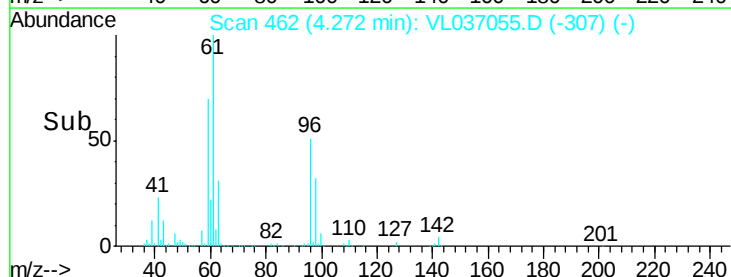
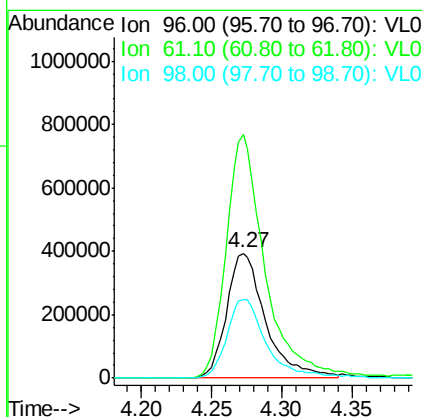
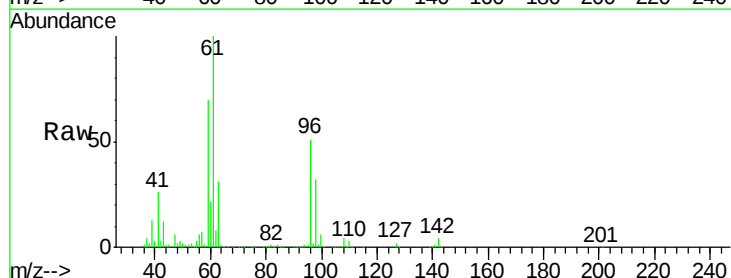
MMDadoda
5/27/2021 10:31:23 AM

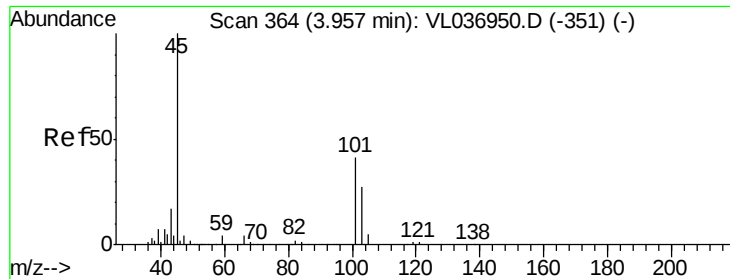


#18

1,1-Dichloroethene
Concen: 12.086 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 96 Resp: 760947
Ion Ratio Lower Upper
96 100
61 194.8 148.2 222.4
98 63.1 47.8 71.6





#19

Isopropyl Alcohol

Concen: 12.242 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 820595

Ion Ratio Lower Upper

45 100

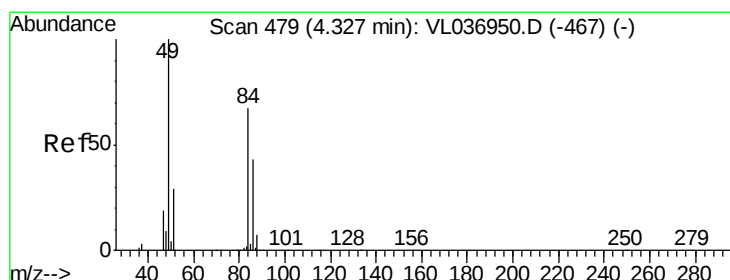
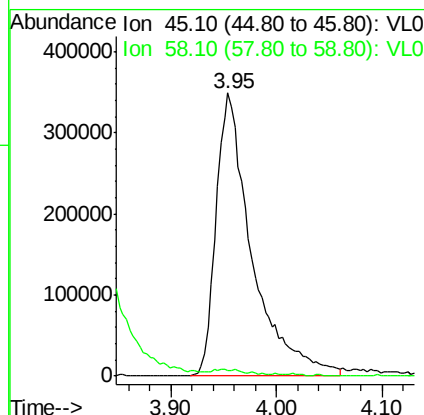
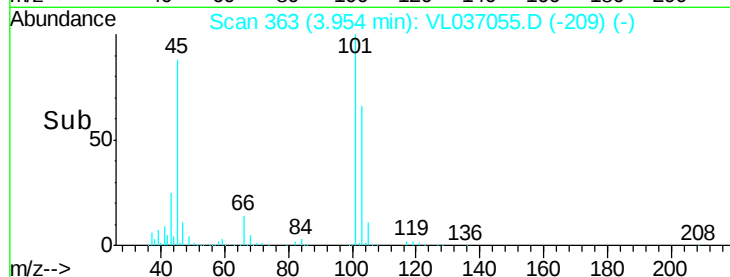
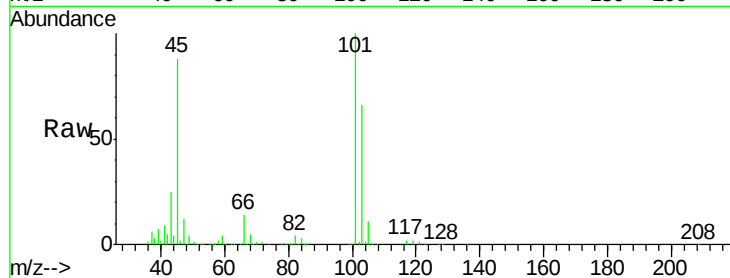
58 1.8 37.2 55.8#

Manual Integrations

APPROVED

MMDadoda

5/27/2021 10:31:23 AM



#20

Methylene Chloride

Concen: 9.916 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Tgt Ion: 84 Resp: 662830

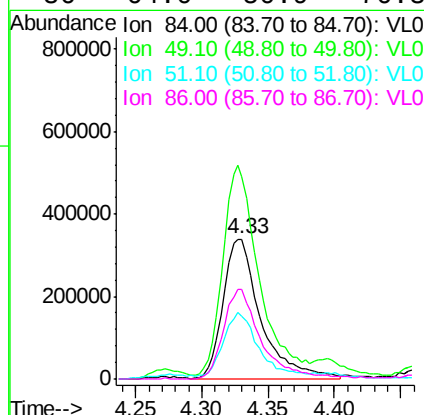
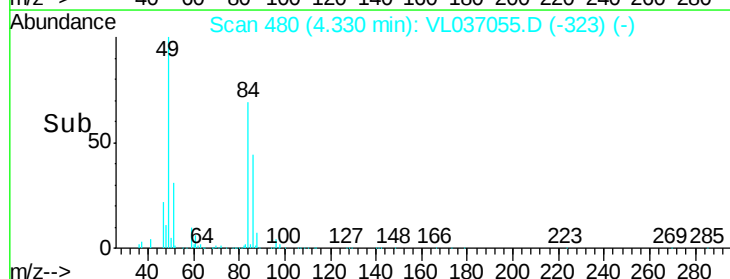
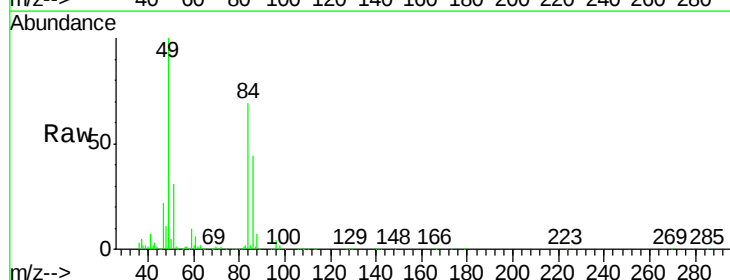
Ion Ratio Lower Upper

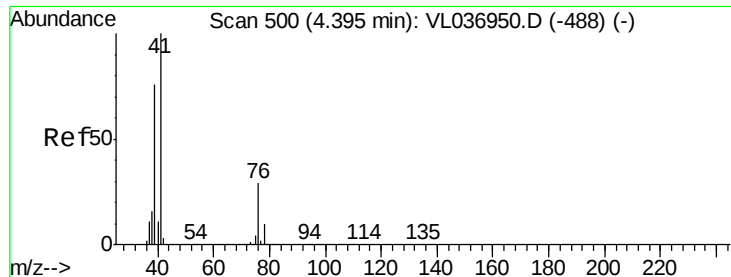
84 100

49 142.7 119.8 179.6

51 43.1 35.1 52.7

86 64.0 50.9 76.3





#21

Allyl Chloride

Concen: 11.341 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 1066797

Ion Ratio Lower Upper

41 100

76 31.5 24.9 37.3

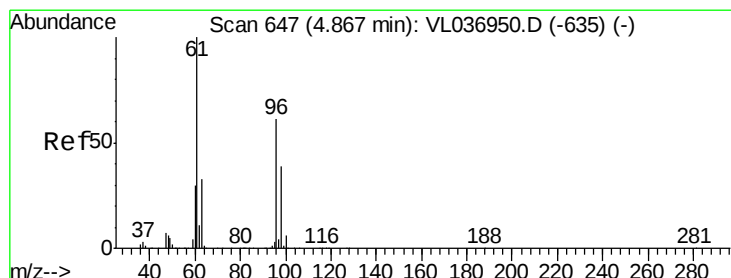
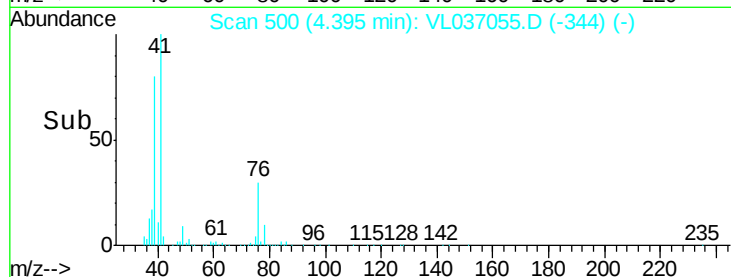
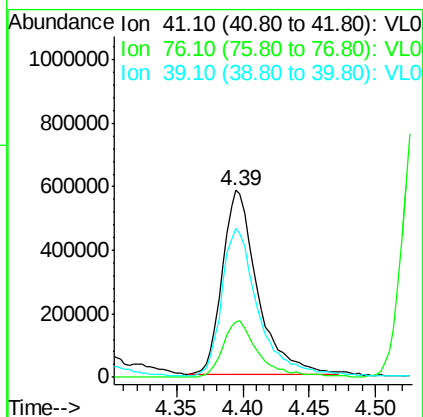
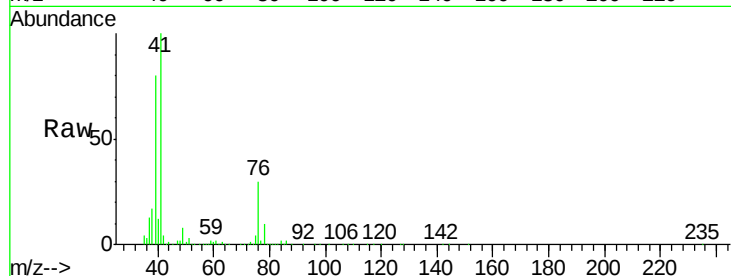
39 83.9 63.7 95.5

Manual Integrations

APPROVED

MMDadoda

5/27/2021 10:31:23 AM



#22

trans-1,2-Dichloroethene

Concen: 12.666 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

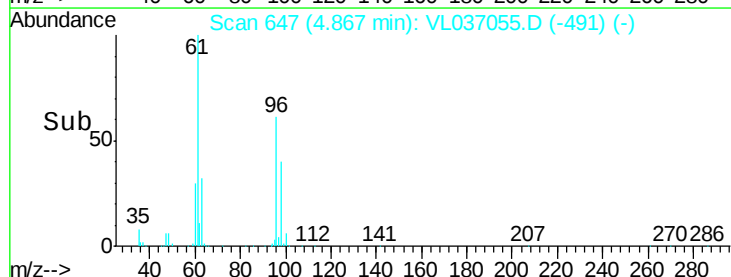
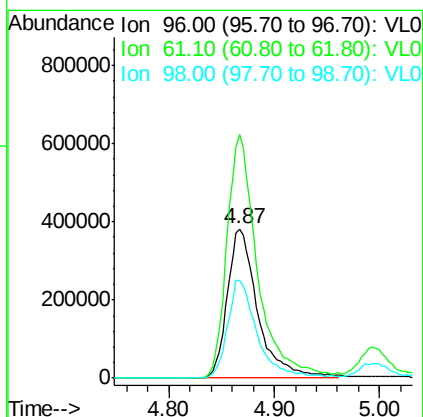
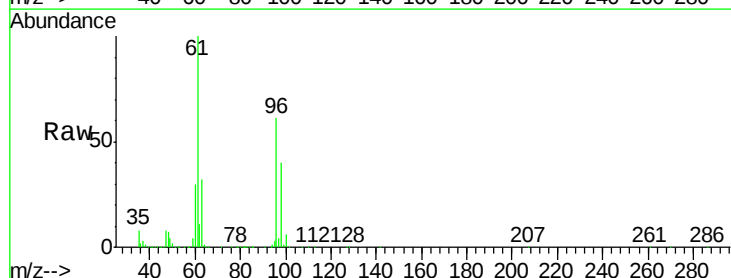
Tgt Ion: 96 Resp: 764292

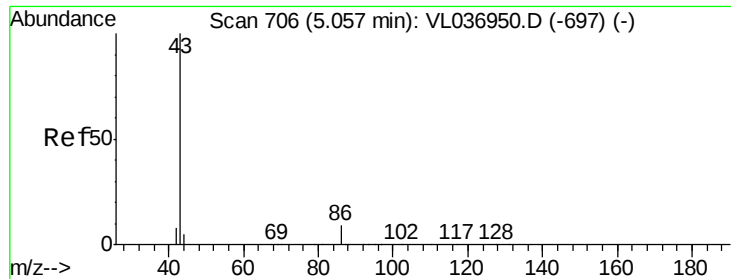
Ion Ratio Lower Upper

96 100

61 163.4 130.6 196.0

98 65.3 50.8 76.2





#23

Vinyl Acetate

Concen: 11.192 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2215129

Ion Ratio Lower Upper

43 100

86 7.3 5.8 8.8

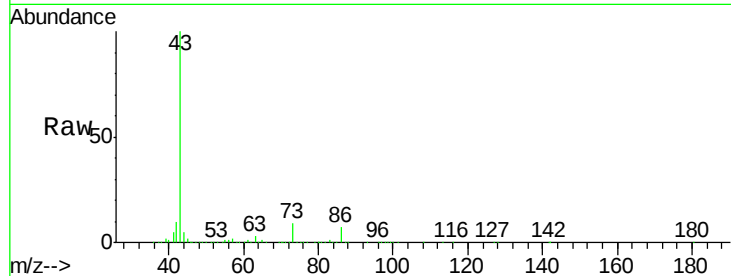
42 9.5 7.4 11.2

44 4.5 3.3 4.9

Manual Integrations
APPROVED

MMDadoda

5/27/2021 10:31:23 AM

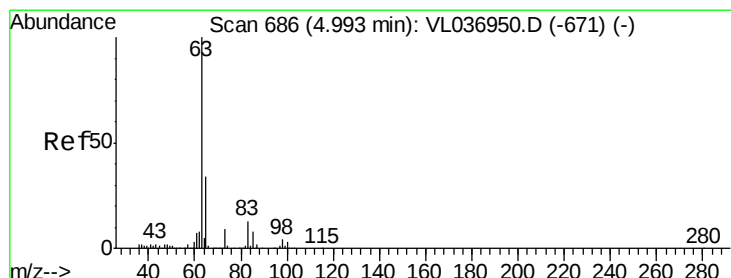
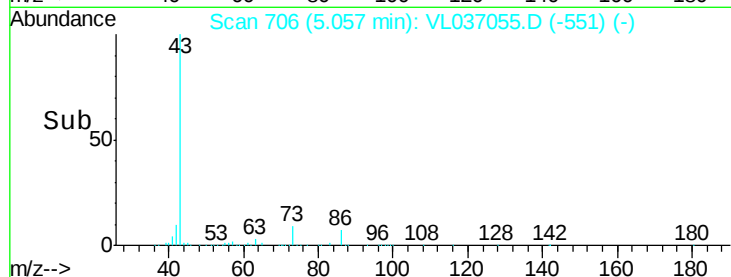
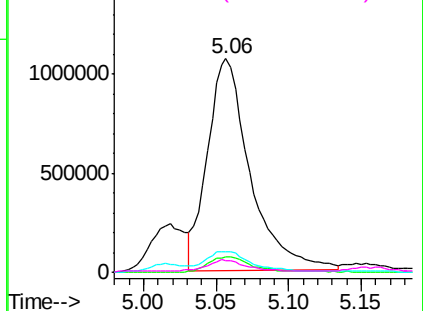


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.885 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

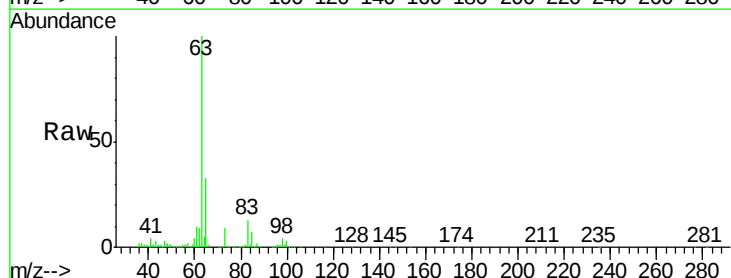
Tgt Ion: 63 Resp: 1693176

Ion Ratio Lower Upper

63 100

98 4.2 2.3 6.9

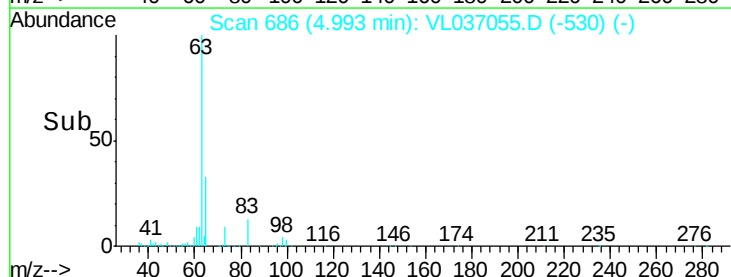
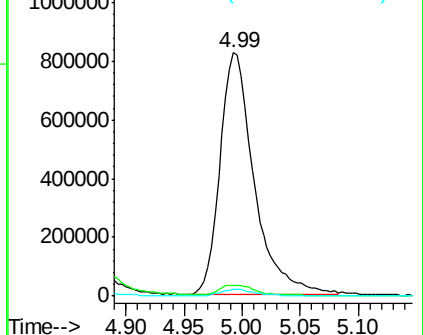
100 2.6 1.4 4.0

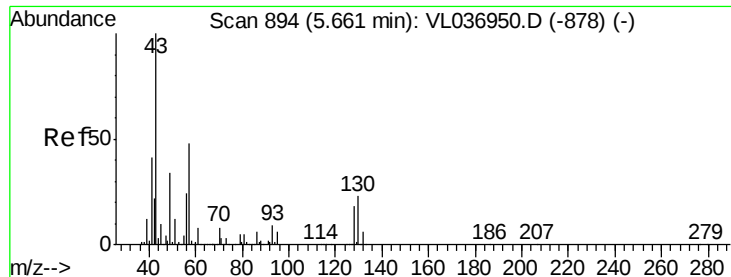


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





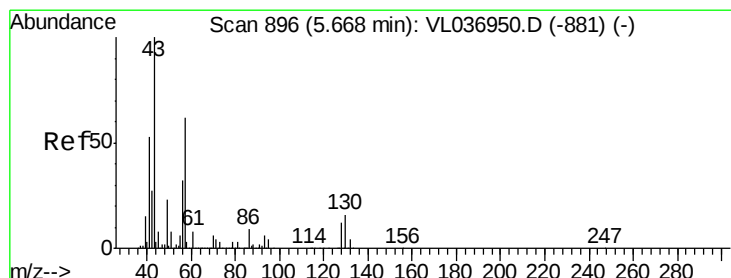
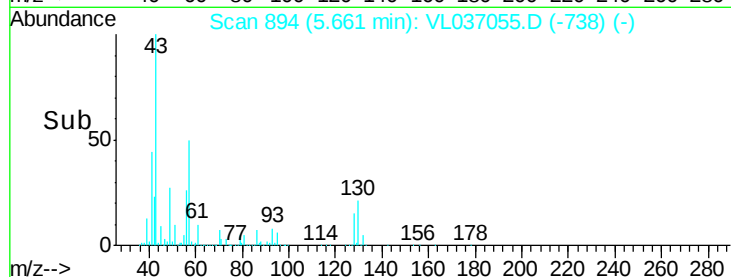
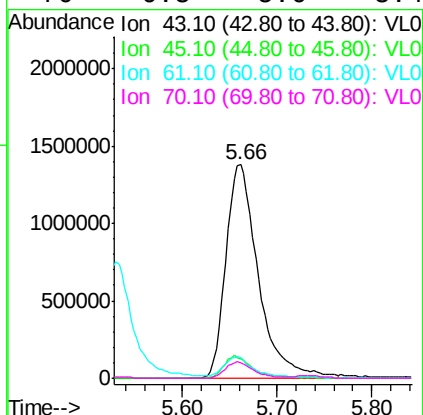
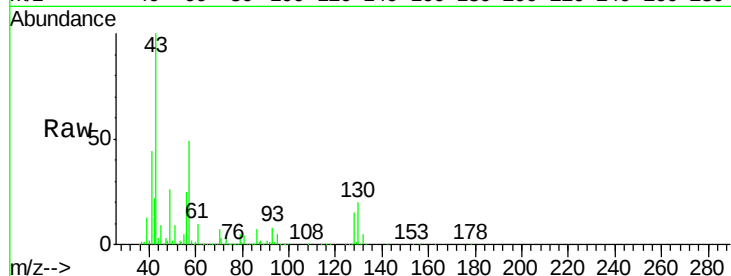
#25
Ethyl Acetate
Concen: 10.957 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.4	7.8	11.8
70	6.8	5.6	8.4

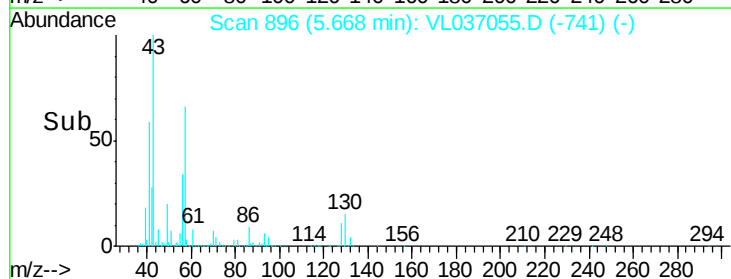
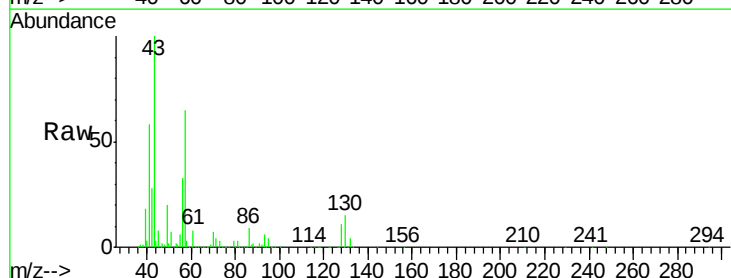
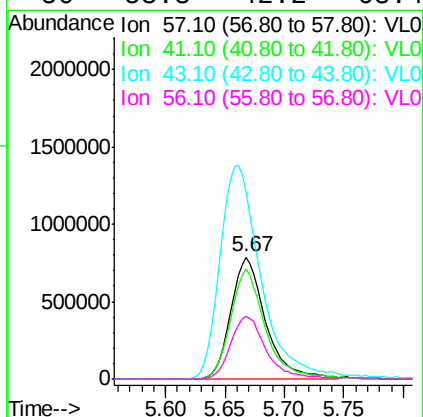
Manual Integrations
APPROVED

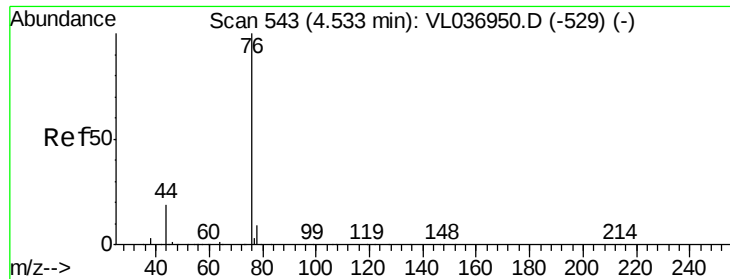
MMDadoda
5/27/2021 10:31:23 AM



#26
Hexane
Concen: 10.409 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.9	70.5	105.7
43	208.6	165.8	248.8
56	53.3	42.2	63.4





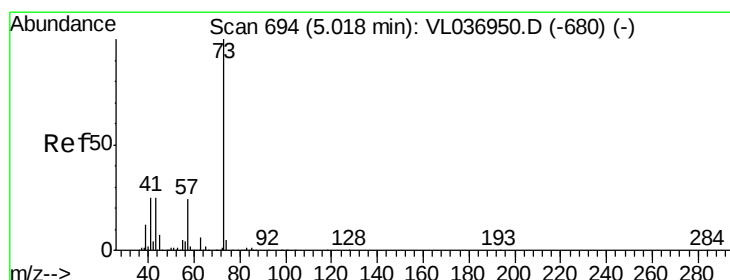
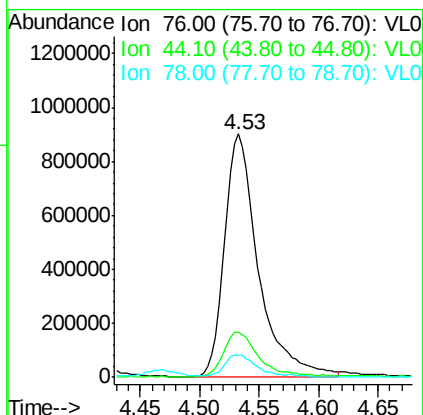
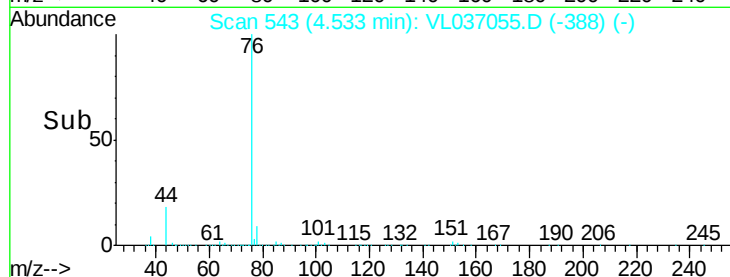
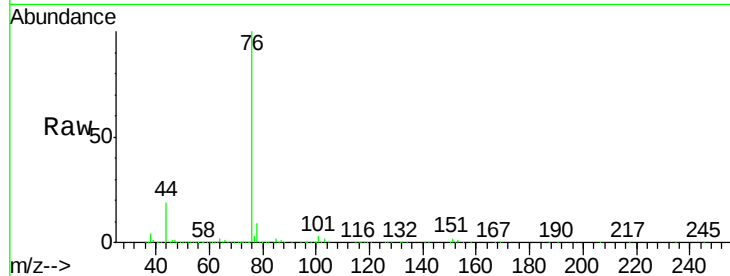
#27
Carbon Disulfide
Concen: 11.476 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1770366
Ion Ratio Lower Upper
76 100
44 20.0 15.5 23.3
78 9.9 7.8 11.6

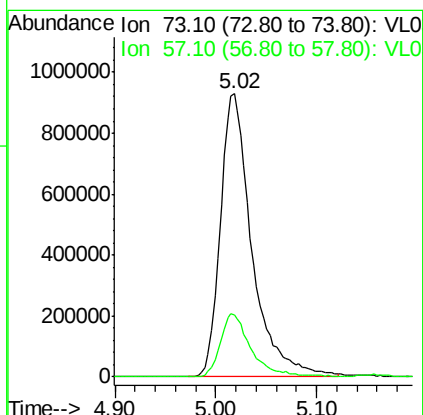
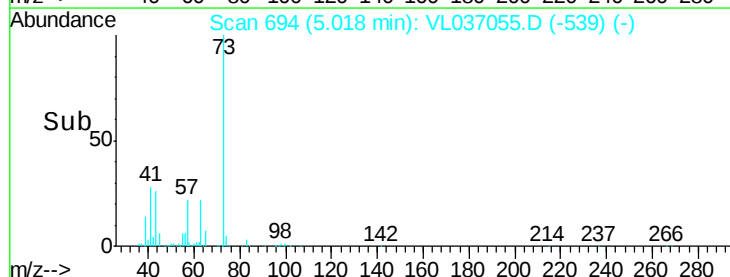
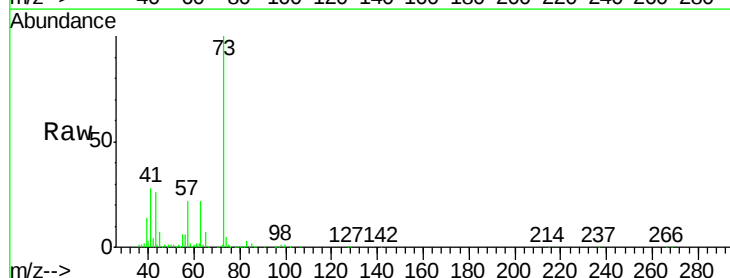
Manual Integrations
APPROVED

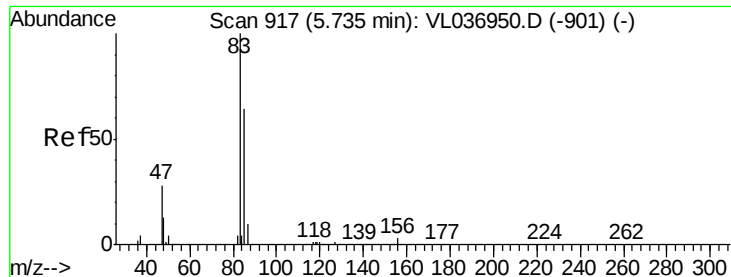
MMDadoda
5/27/2021 10:31:23 AM



#28
Methyl tert-Butyl Ether
Concen: 11.070 ppbv
RT: 5.02 min Scan# 694
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 73 Resp: 2031197
Ion Ratio Lower Upper
73 100
57 21.7 18.3 27.5





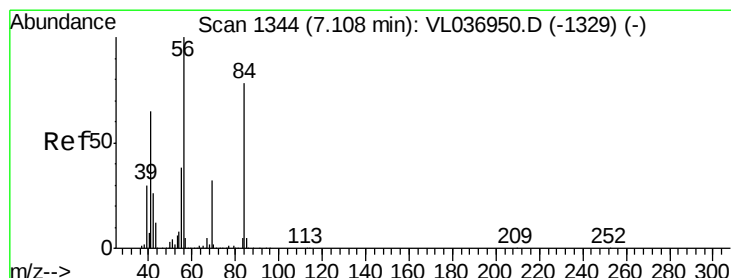
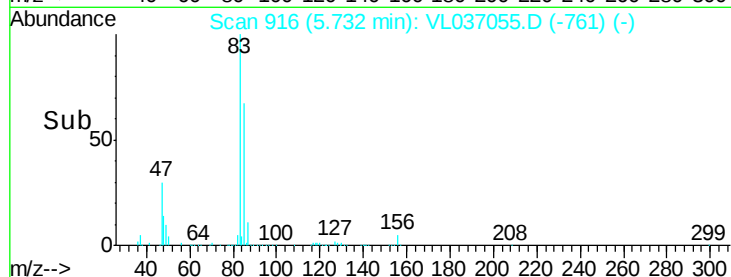
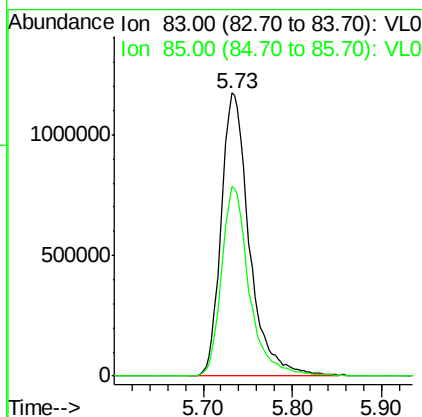
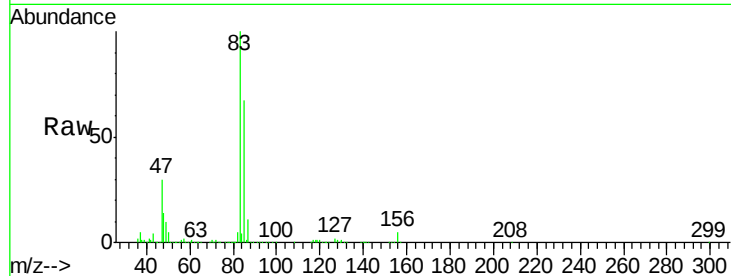
#29
Chloroform
Concen: 11.886 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2570391
Ion Ratio Lower Upper
83 100
85 66.9 51.1 76.7

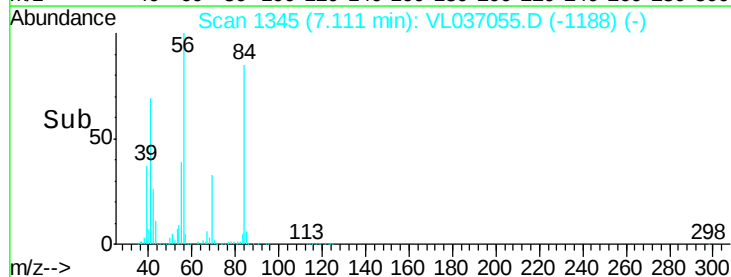
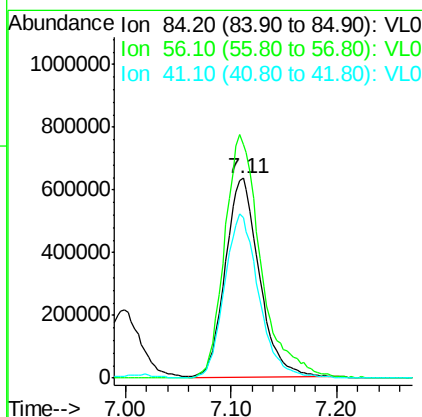
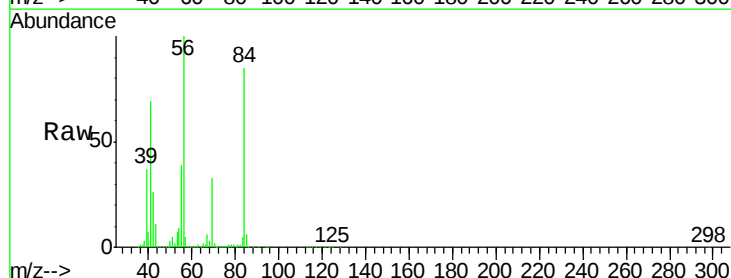
Manual Integrations
APPROVED

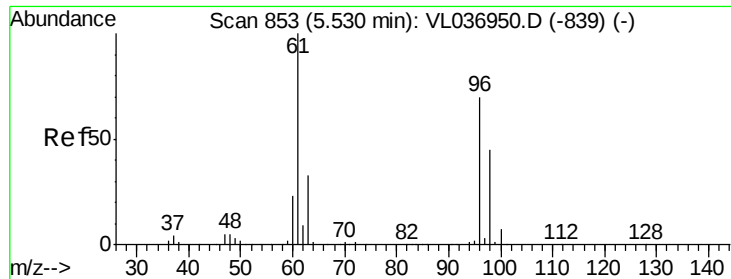
MMDadoda
5/27/2021 10:31:23 AM



#30
Cyclohexane
Concen: 10.950 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 84 Resp: 1424307
Ion Ratio Lower Upper
84 100
56 130.5 107.9 161.9
41 83.4 65.5 98.3





#31

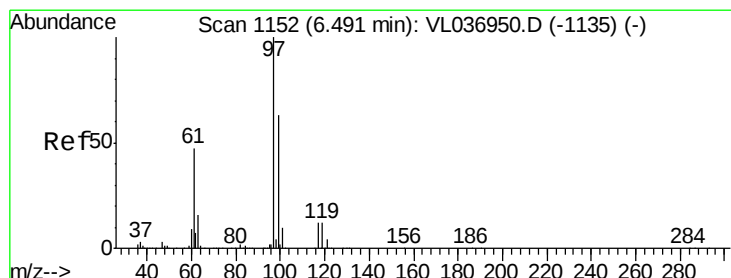
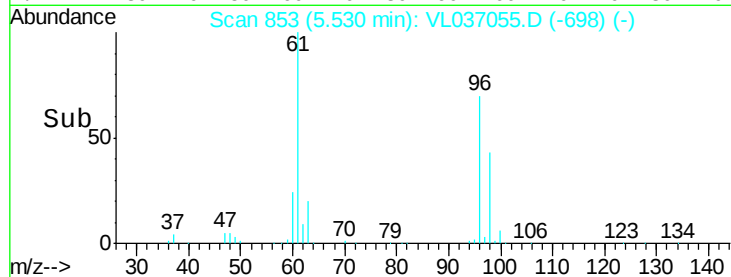
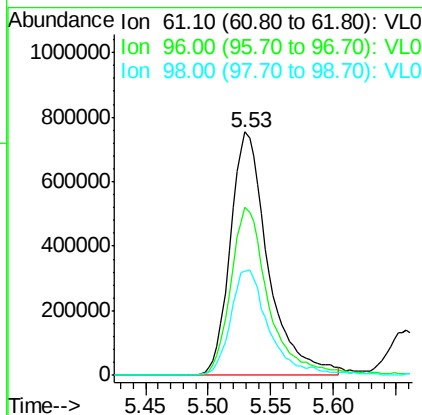
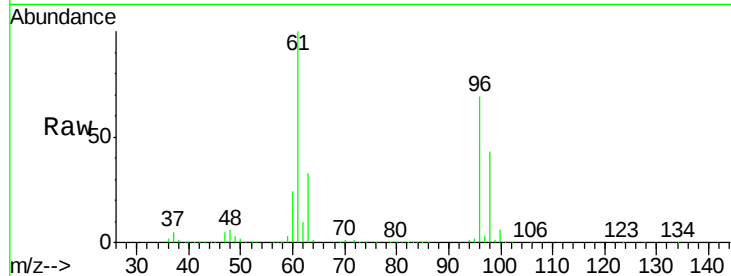
cis-1,2-Dichloroethene
Concen: 11.445 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1570662
Ion Ratio Lower Upper
61 100
96 68.9 55.9 83.9
98 42.7 35.6 53.4

Manual Integrations
APPROVED

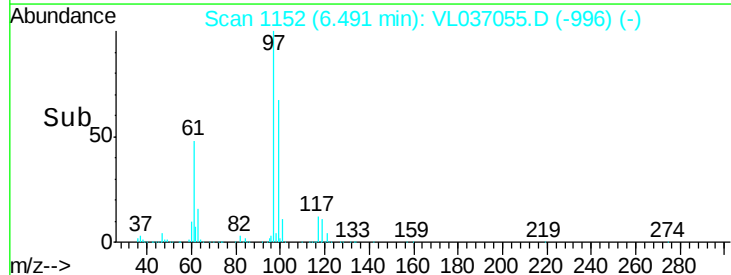
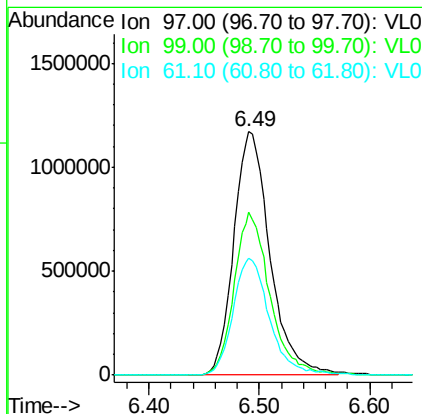
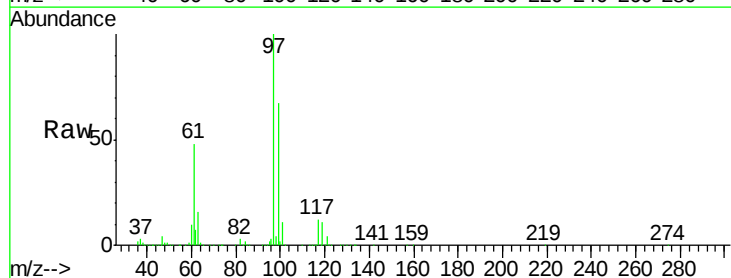
MMDadoda
5/27/2021 10:31:23 AM

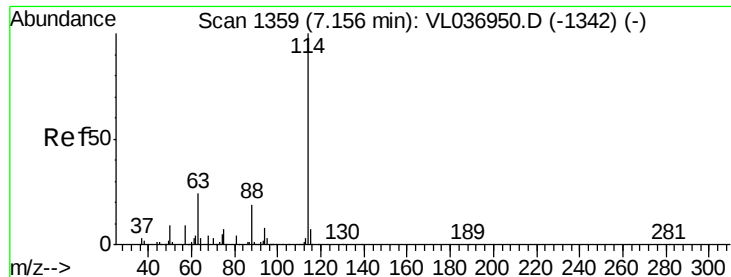


#32

1,1,1-Trichloroethane
Concen: 11.476 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 97 Resp: 2665048
Ion Ratio Lower Upper
97 100
99 65.8 51.9 77.9
61 48.5 37.6 56.4





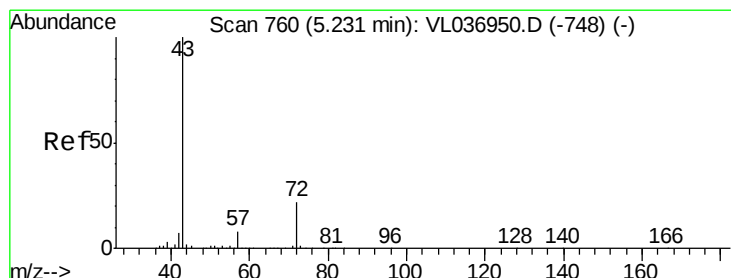
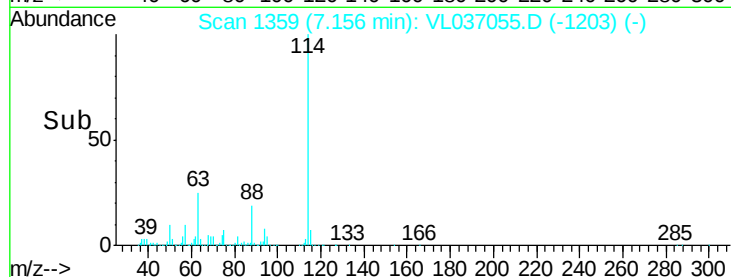
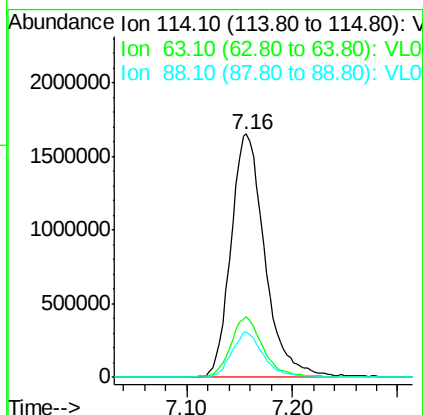
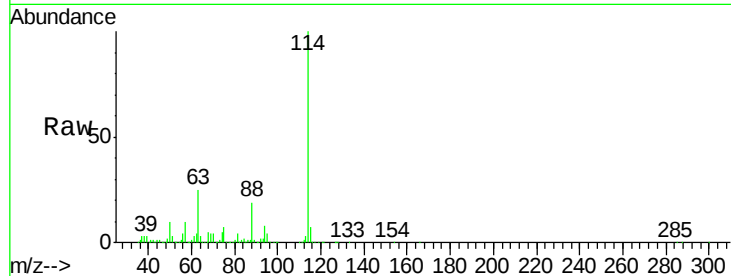
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 3680004
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.7 14.6 21.8

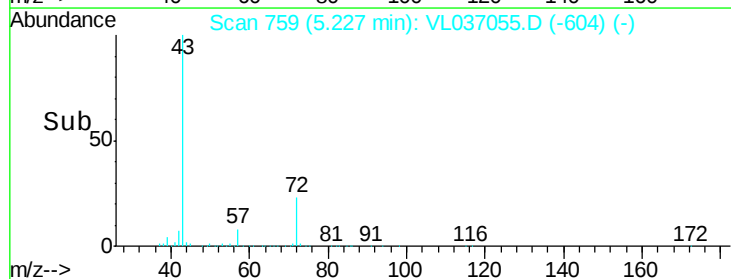
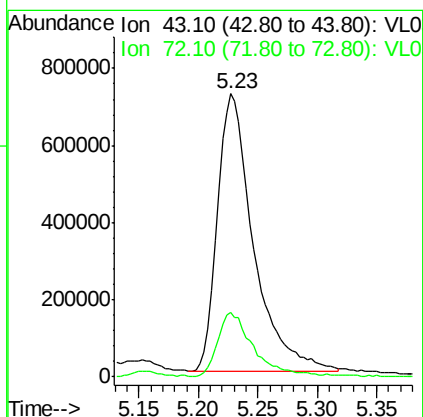
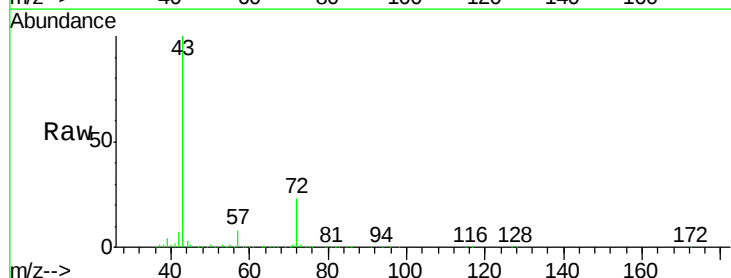
Manual Integrations
 APPROVED

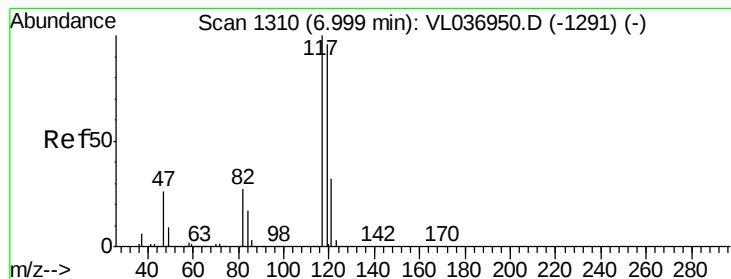
MMDadoda
 5/27/2021 10:31:23 AM



#34
 2-Butanone
 Concen: 11.386 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 43 Resp: 1525739
 Ion Ratio Lower Upper
 43 100
 72 23.8 19.0 28.4





#35

Carbon Tetrachloride

Concen: 11.579 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 117 Resp: 2831103

Ion Ratio Lower Upper

117 100

119 95.8 76.6 114.8

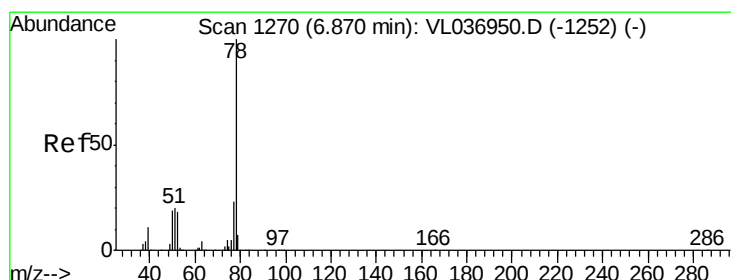
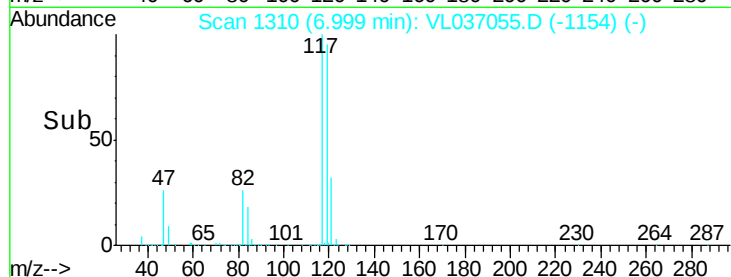
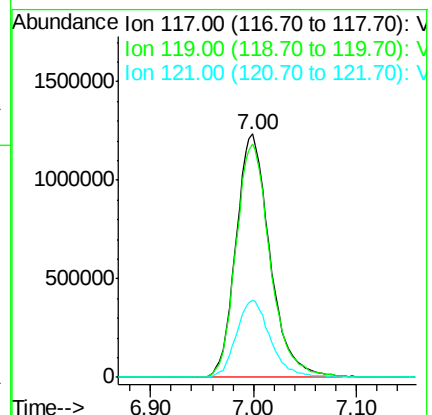
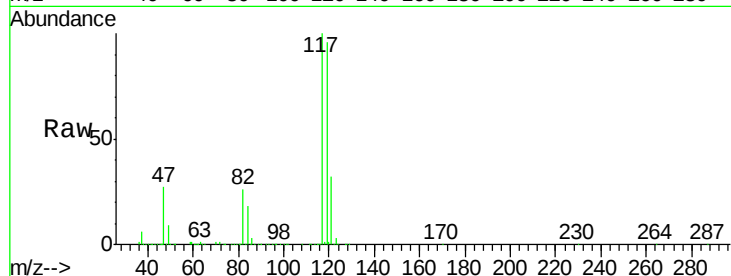
121 32.0 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

5/27/2021 10:31:23 AM



#36

Benzene

Concen: 10.428 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

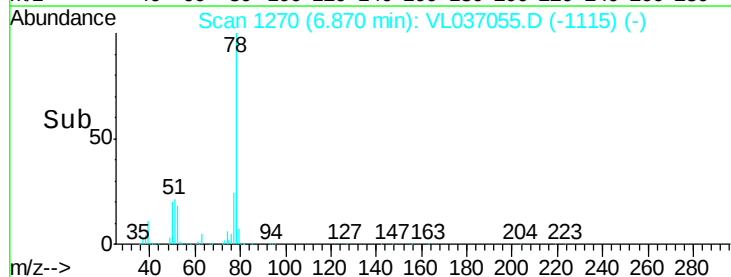
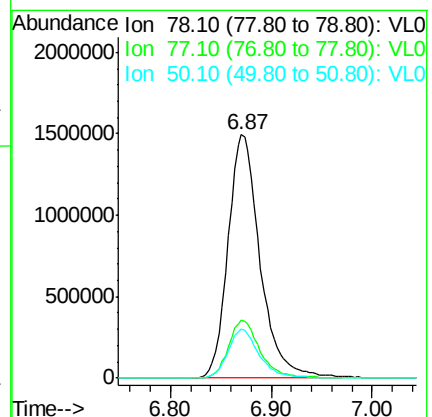
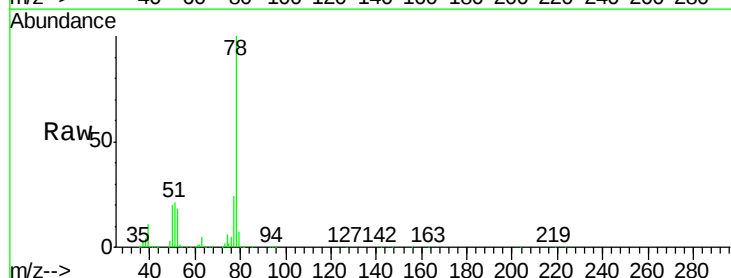
Tgt Ion: 78 Resp: 3305584

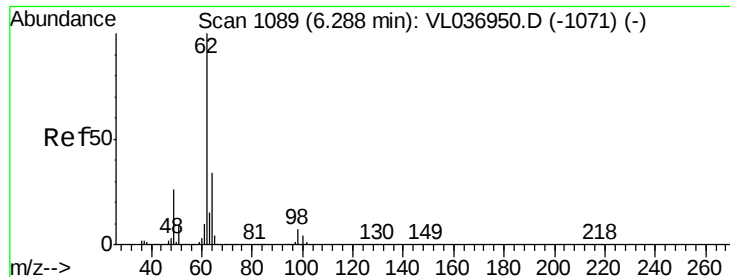
Ion Ratio Lower Upper

78 100

77 23.8 18.6 28.0

50 20.4 15.0 22.4





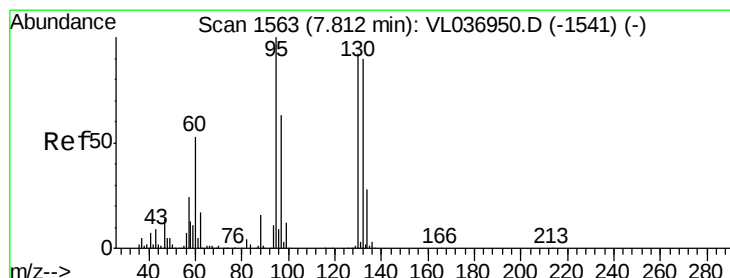
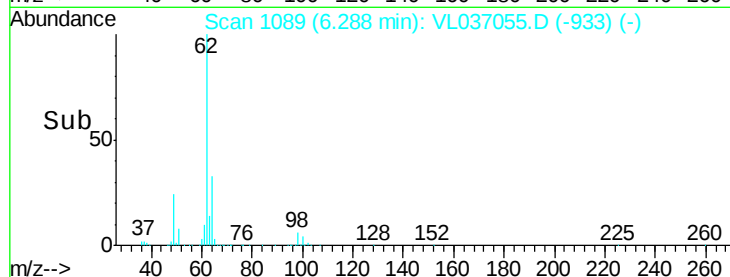
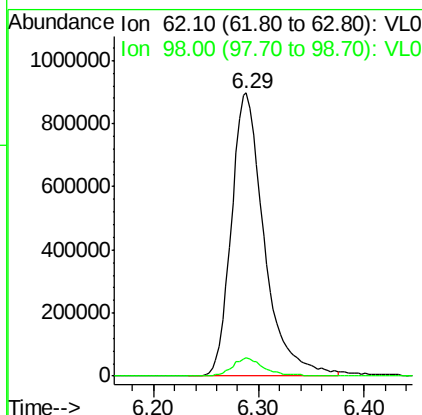
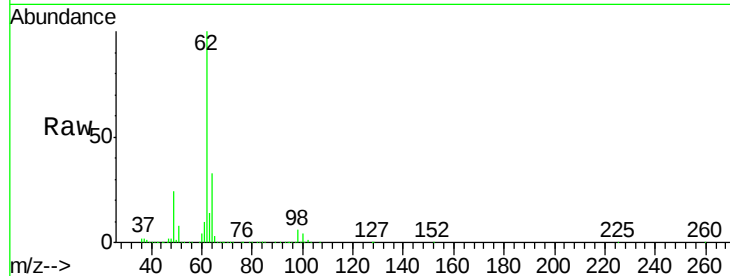
#37
 1,2-Dichloroethane
 Concen: 12.350 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1940818
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.5 8.3

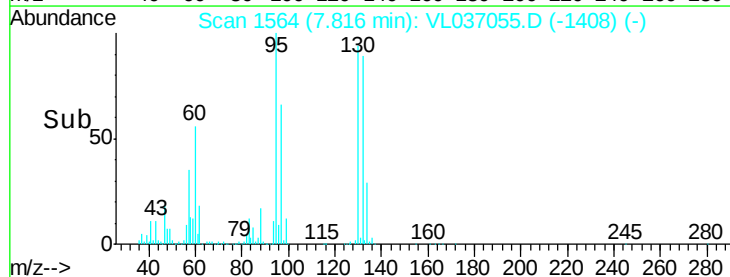
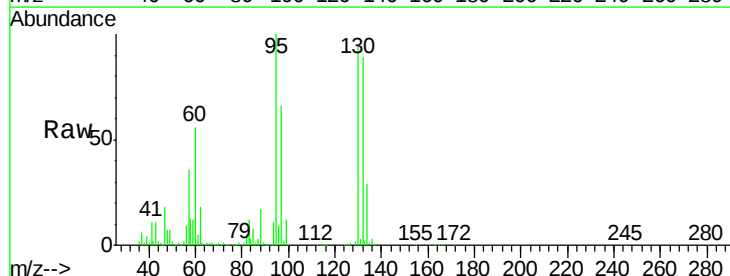
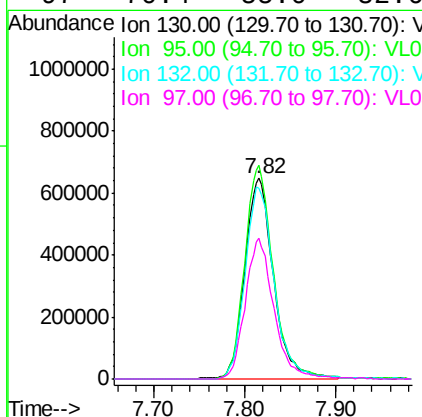
Manual Integrations
 APPROVED

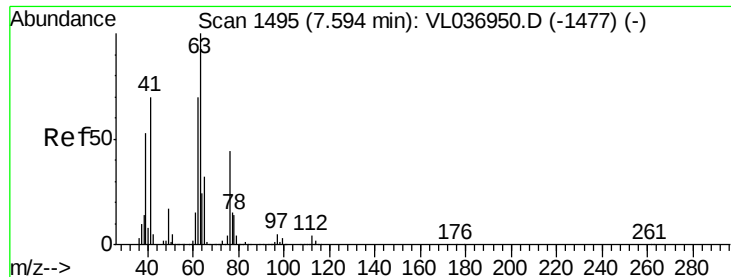
MMDadoda
 5/27/2021 10:31:23 AM



#38
 Trichloroethene
 Concen: 10.492 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 130 Resp: 1422644
 Ion Ratio Lower Upper
 130 100
 95 106.4 86.9 130.3
 132 94.9 78.4 117.6
 97 70.4 55.0 82.6





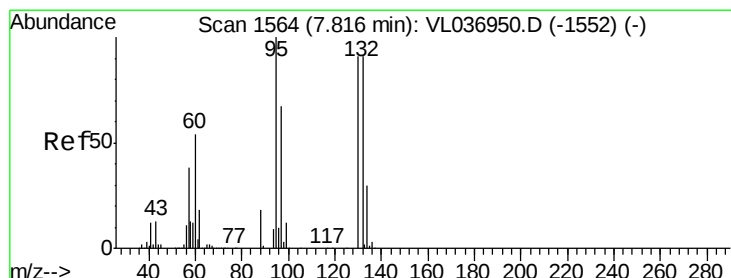
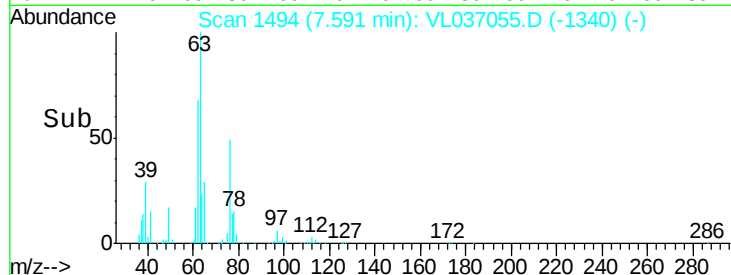
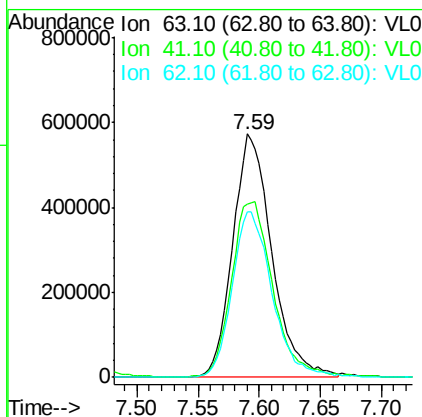
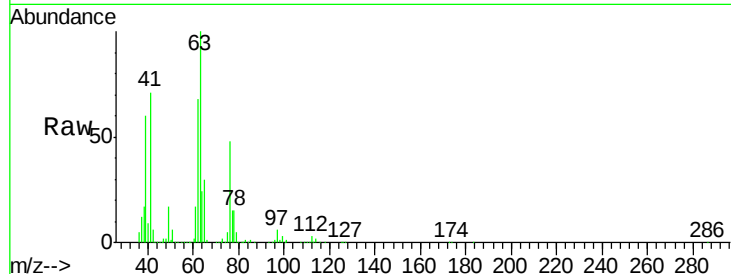
#39
 1,2-Dichloropropane
 Concen: 10.381 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 63 Resp: 1267599
 Ion Ratio Lower Upper
 63 100
 41 70.9 55.7 83.5
 62 68.1 56.2 84.4

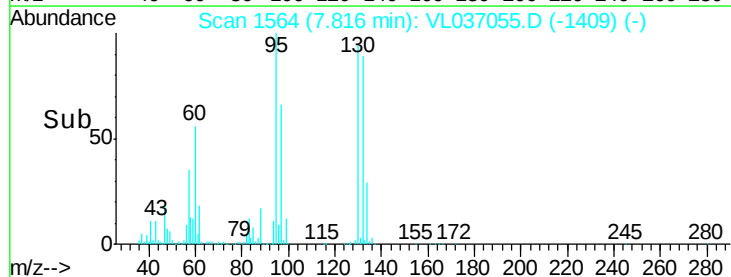
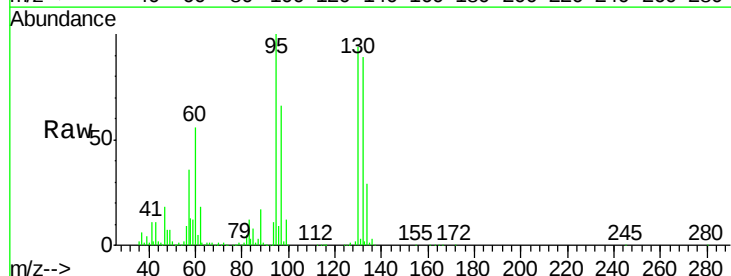
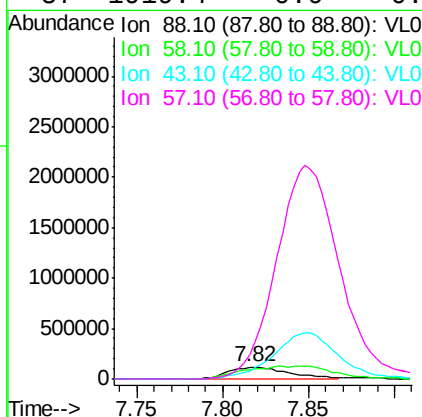
Manual Integrations
 APPROVED

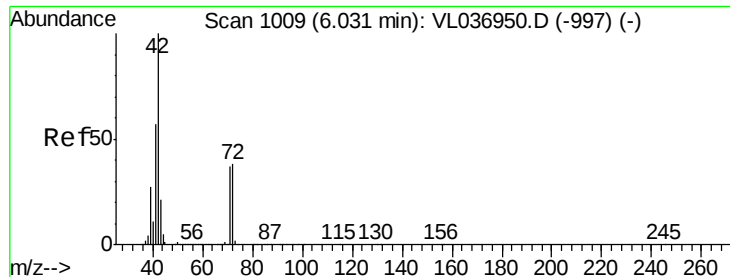
MMDadoda
 5/27/2021 10:31:23 AM



#40
 1,4-Dioxane
 Concen: 9.911 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 88 Resp: 285755
 Ion Ratio Lower Upper
 88 100
 58 166.7 0.0 0.0#
 43 432.2 0.0 0.0#
 57 1919.4 0.0 0.0#





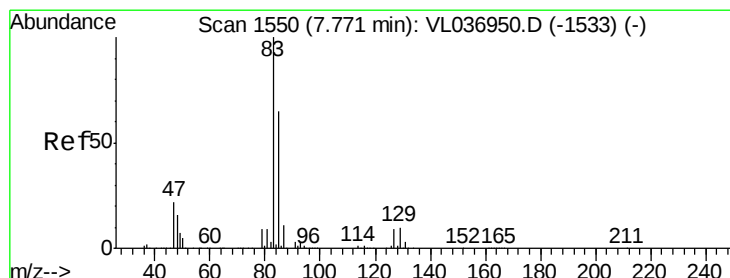
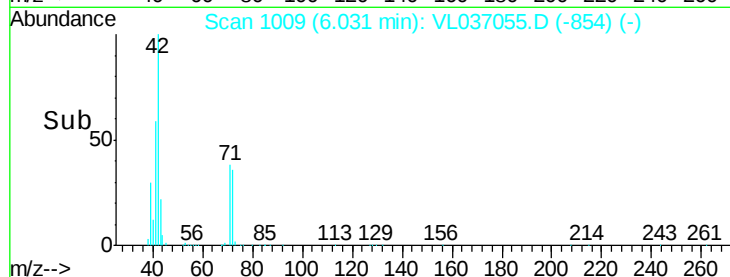
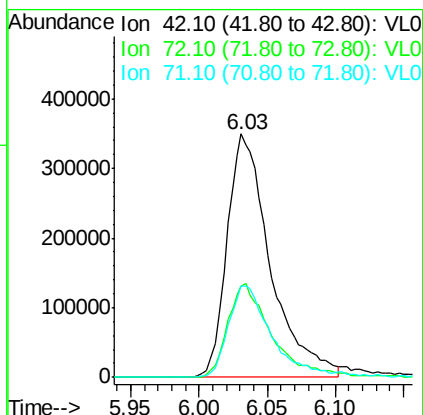
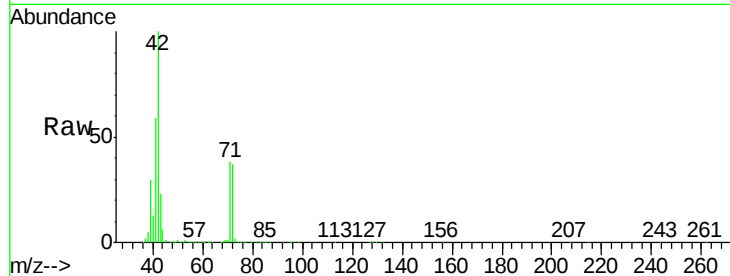
#41
Tetrahydrofuran
Concen: 10.058 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.4	47.2
71	39.1	30.4	45.6

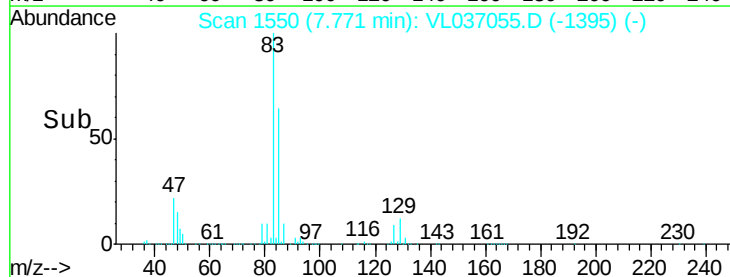
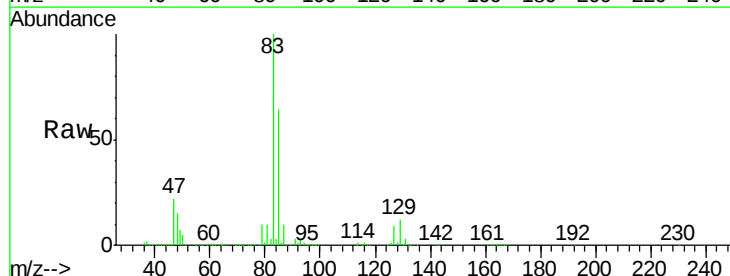
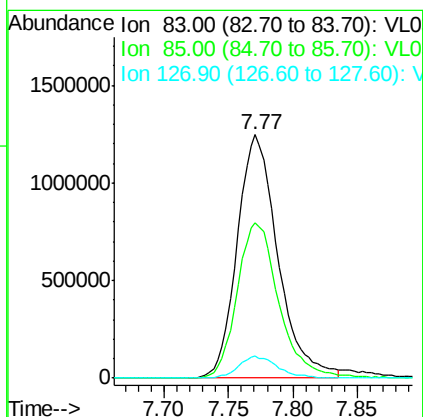
Manual Integrations
APPROVED

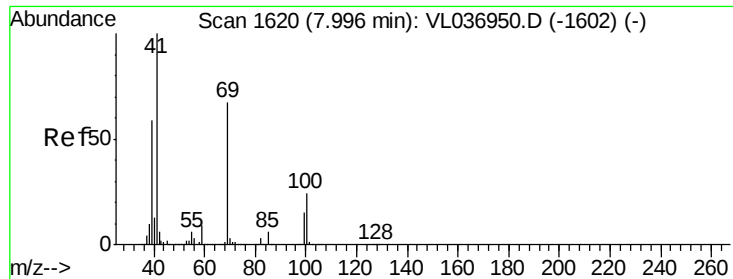
MMDadoda
5/27/2021 10:31:23 AM



#42
Bromodichloromethane
Concen: 11.562 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.7	77.5
127	9.1	6.9	10.3





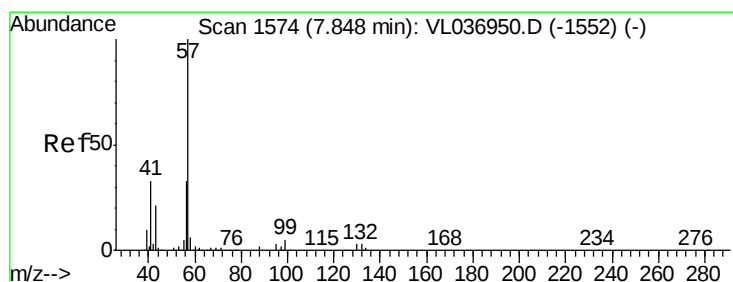
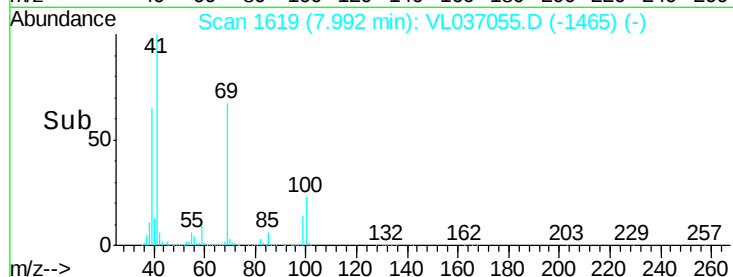
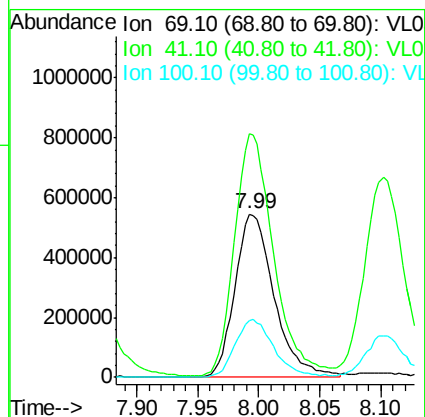
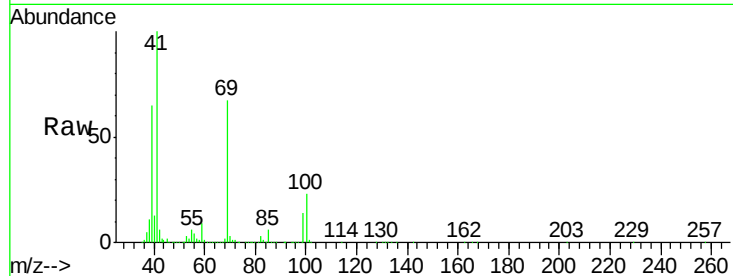
#43
Methyl Methacrylate
Concen: 11.119 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1214717
Ion Ratio Lower Upper
69 100
41 150.2 118.6 178.0
100 35.5 28.2 42.4

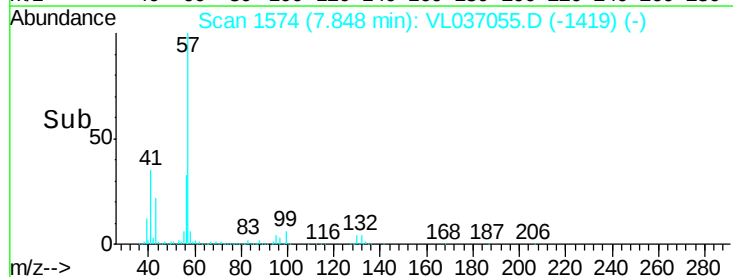
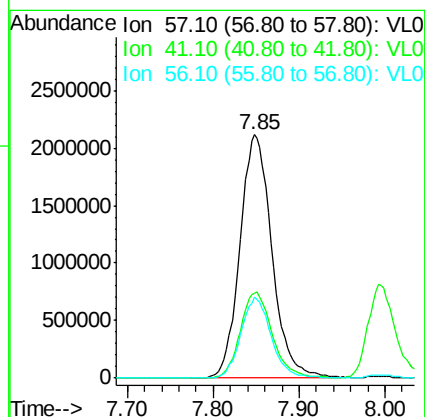
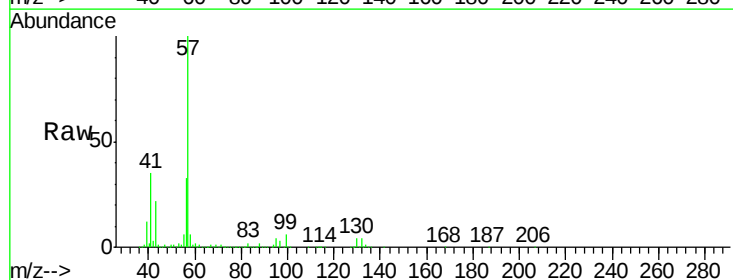
Manual Integrations
APPROVED

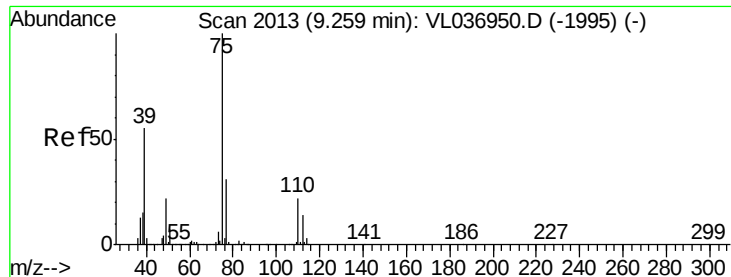
MMDadoda
5/27/2021 10:31:23 AM



#44
2,2,4-Trimethylpentane
Concen: 10.065 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 57 Resp: 5473795
Ion Ratio Lower Upper
57 100
41 35.2 27.0 40.4
56 31.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 11.250 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 939032

Ion Ratio Lower Upper

75 100

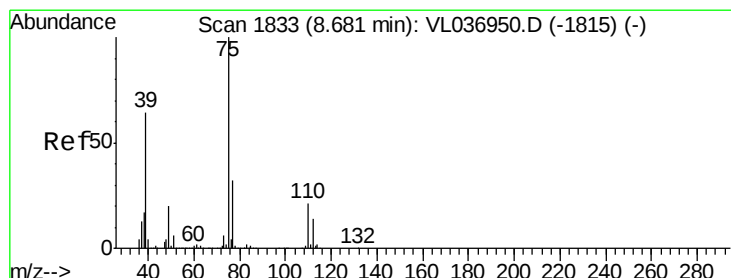
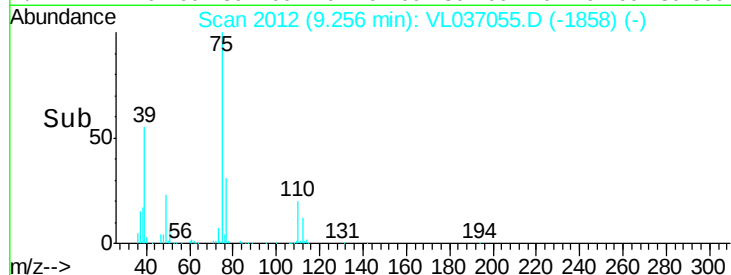
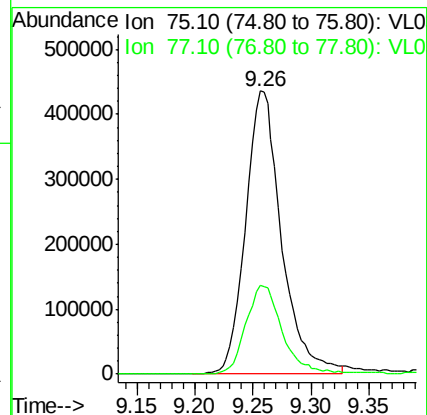
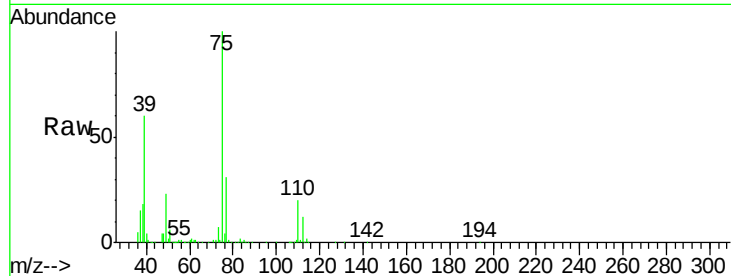
77 31.3 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

5/27/2021 10:31:23 AM



#46

cis-1,3-Dichloropropene

Concen: 10.933 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

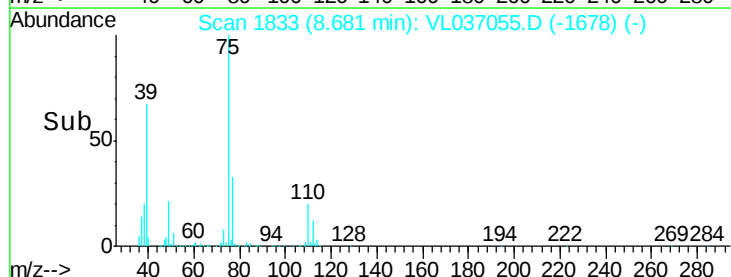
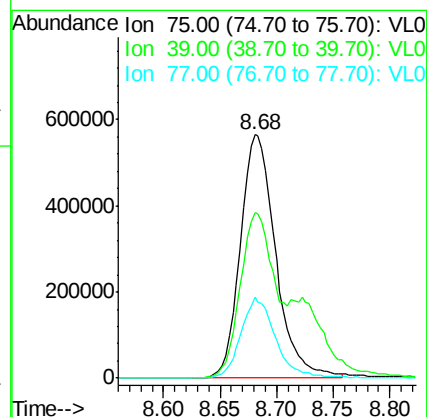
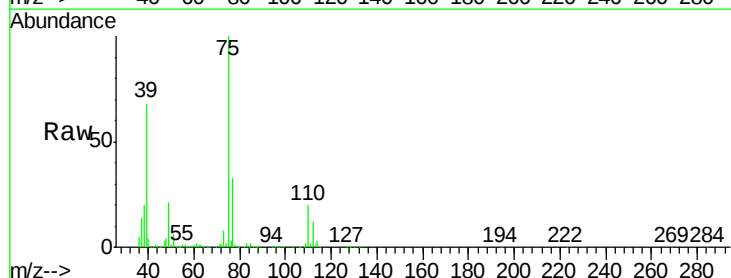
Tgt Ion: 75 Resp: 1227399

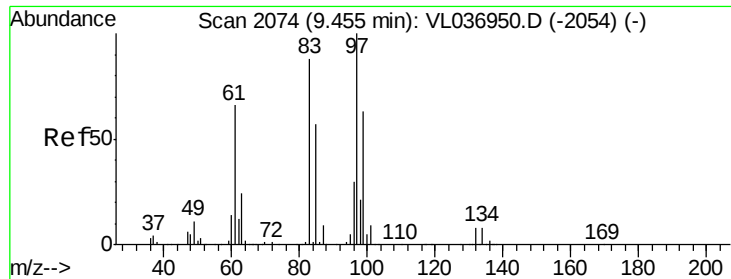
Ion Ratio Lower Upper

75 100

39 67.9 51.5 77.3

77 33.4 25.9 38.9





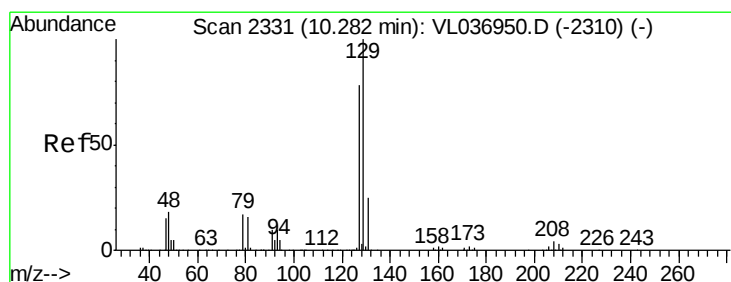
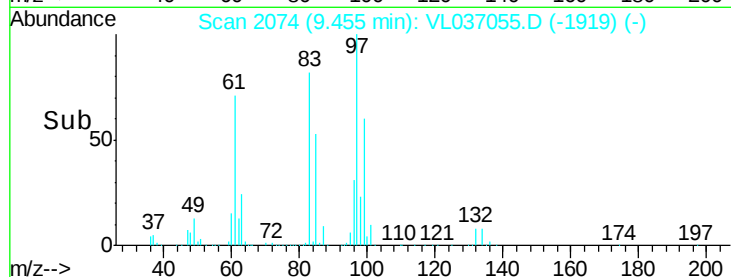
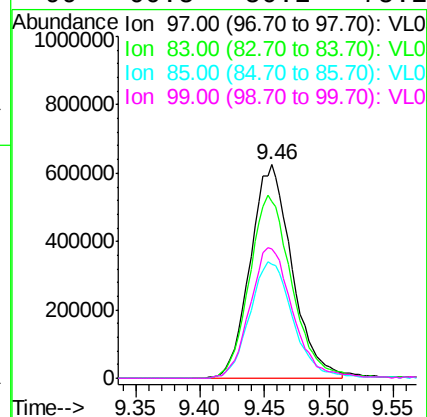
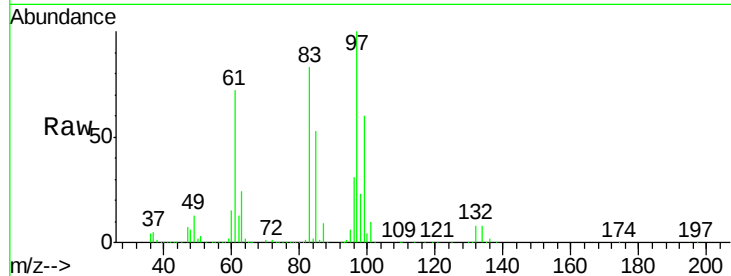
#47
 1,1,2-Trichloroethane
 Concen: 10.998 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.5	70.4	105.6
85	53.4	45.5	68.3
99	60.5	50.2	75.2

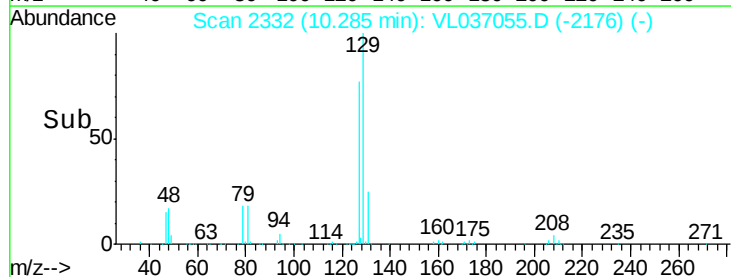
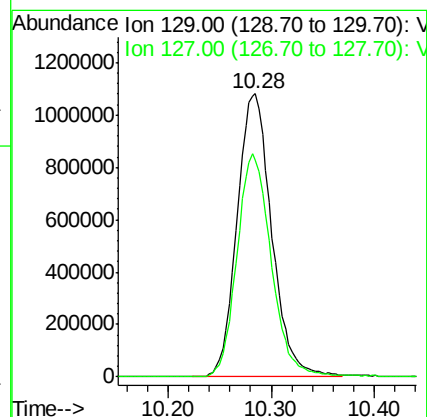
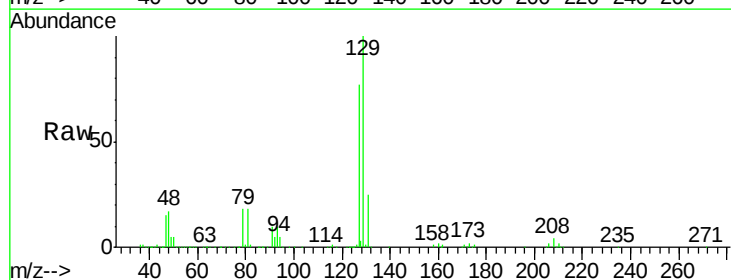
Manual Integrations
 APPROVED

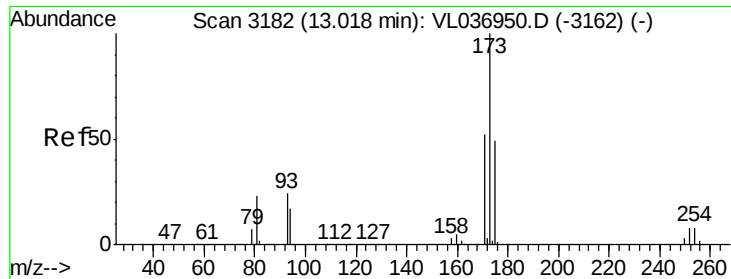
MMDadoda
 5/27/2021 10:31:23 AM



#48
 Dibromochloromethane
 Concen: 12.223 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.3	117.8





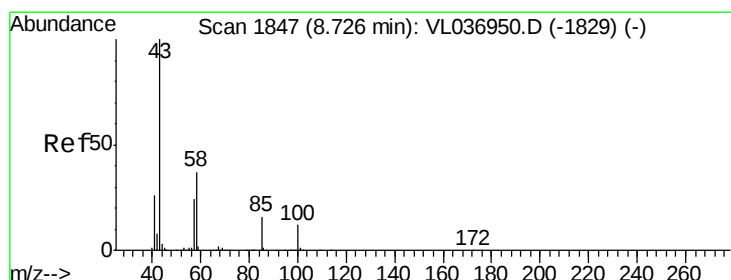
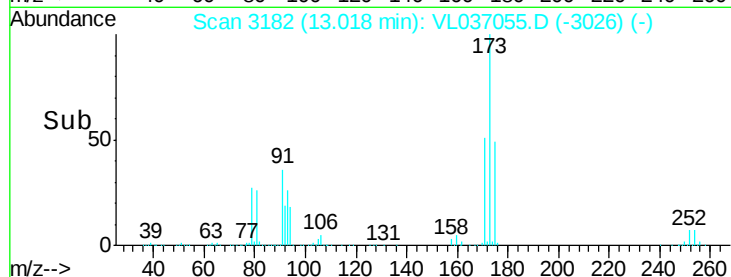
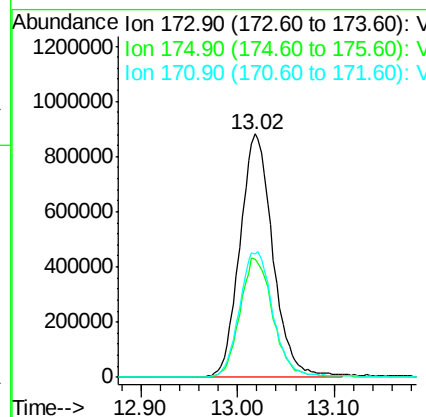
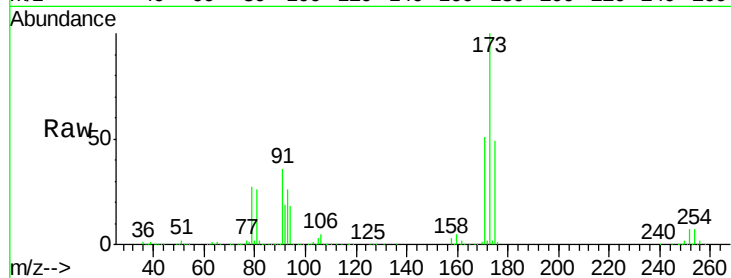
#49
Bromoform
Concen: 12.252 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 173 Resp: 2093851
Ion Ratio Lower Upper
173 100
175 49.7 40.4 60.6
171 53.2 42.6 64.0

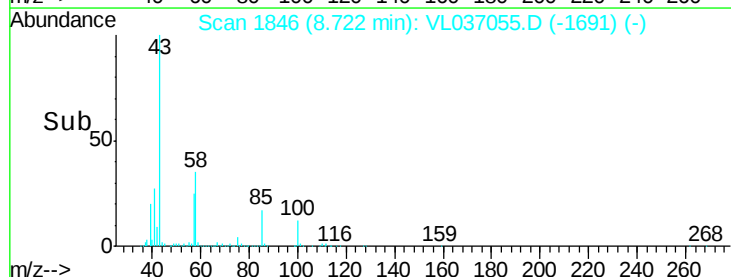
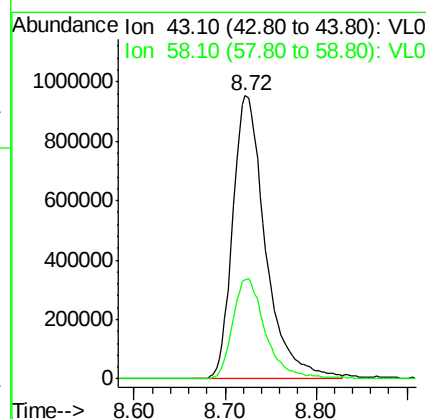
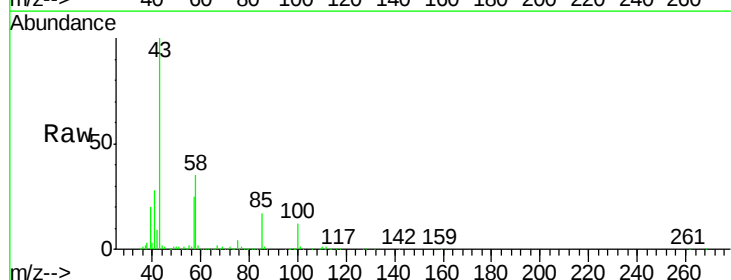
Manual Integrations
APPROVED

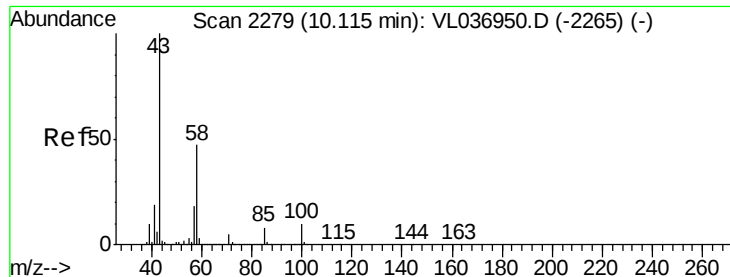
MMDadoda
5/27/2021 10:31:23 AM



#50
4-Methyl-2-Pentanone
Concen: 10.785 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 43 Resp: 2384669
Ion Ratio Lower Upper
43 100
58 35.9 29.4 44.2





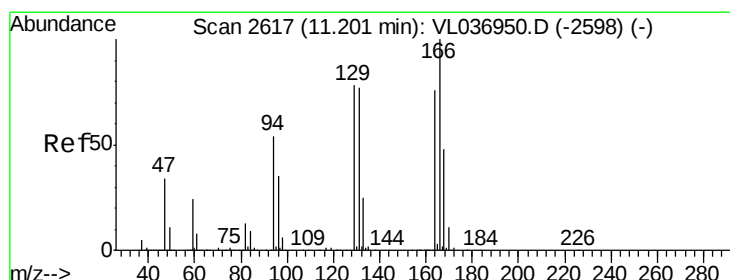
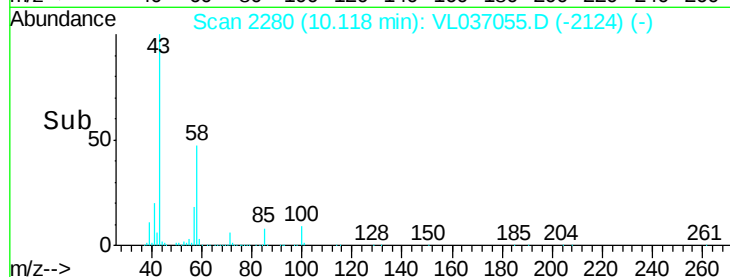
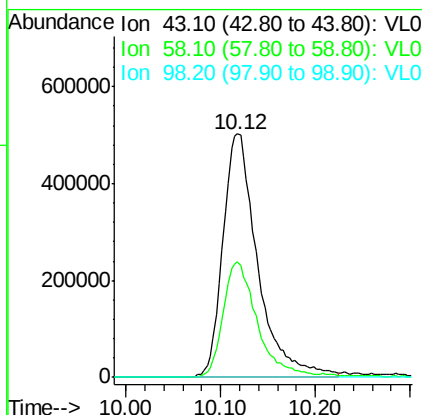
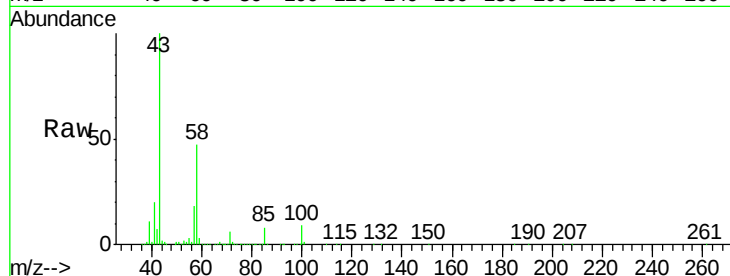
#51
2-Hexanone
Concen: 10.966 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1281829
Ion Ratio Lower Upper
43 100
58 48.0 41.1 61.7
98 0.2 0.1 0.1#

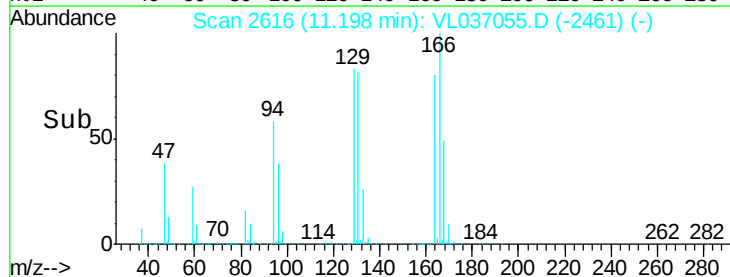
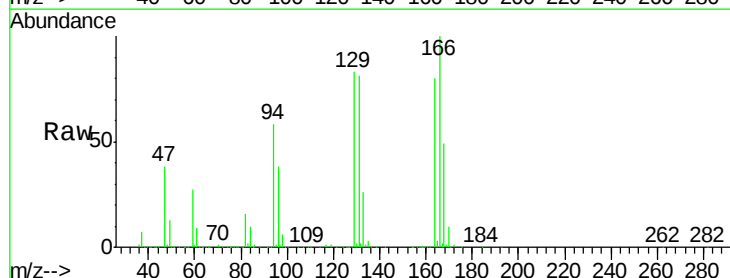
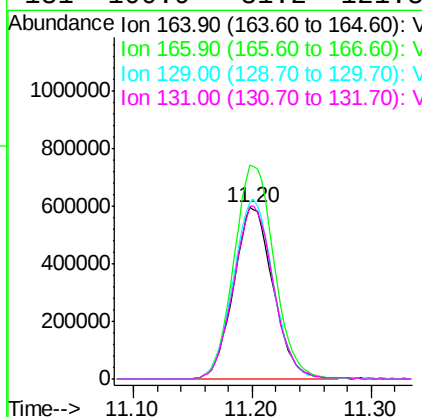
Manual Integrations
APPROVED

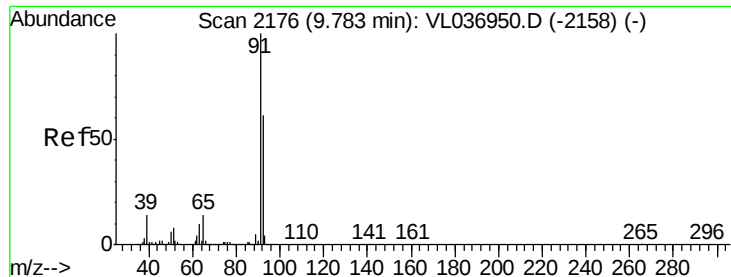
MMDadoda
5/27/2021 10:31:23 AM



#52
Tetrachloroethene
Concen: 10.812 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 164 Resp: 1362769
Ion Ratio Lower Upper
164 100
166 125.0 105.5 158.3
129 103.4 81.8 122.8
131 100.9 81.2 121.8





#53

Toluene

Concen: 10.572 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 3987497

Ion Ratio Lower Upper

91 100

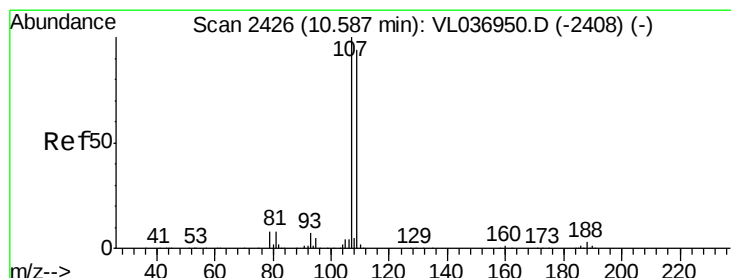
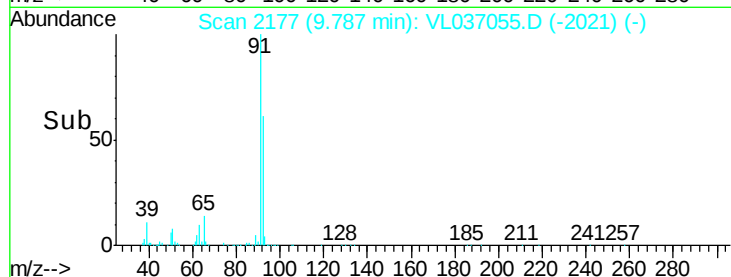
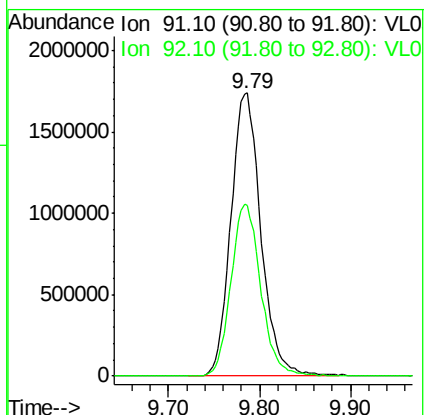
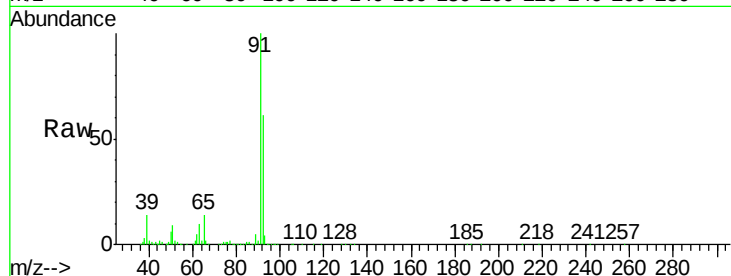
92 60.6 49.5 74.3

Manual Integrations

APPROVED

MMDadoda

5/27/2021 10:31:23 AM



#54

1,2-Dibromoethane

Concen: 11.533 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL037055.D

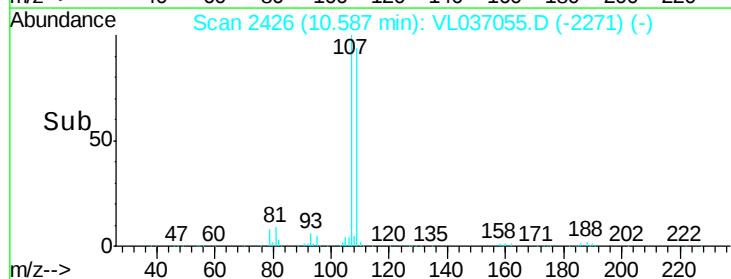
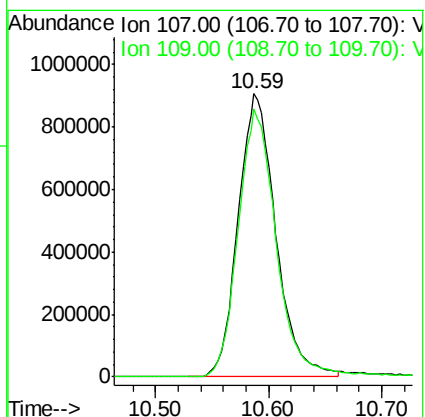
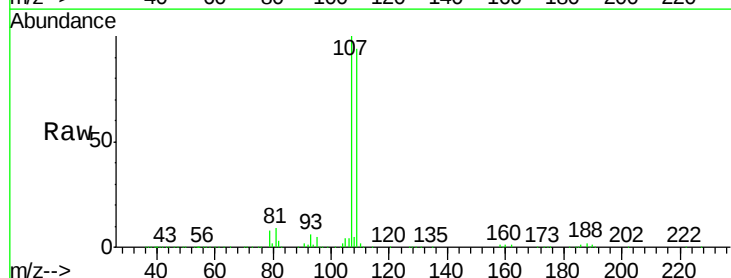
Acq: 25 May 2021 9:21

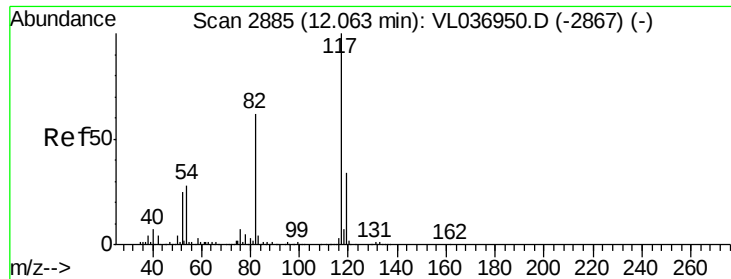
Tgt Ion: 107 Resp: 2095450

Ion Ratio Lower Upper

107 100

109 94.5 75.0 112.4





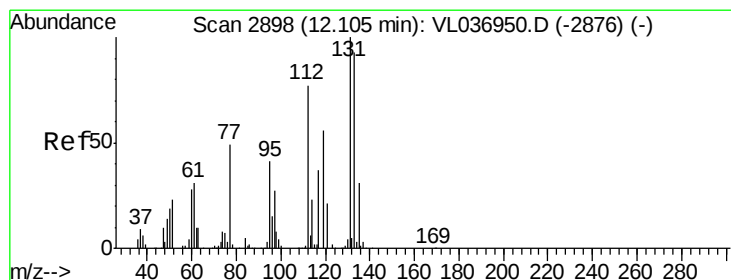
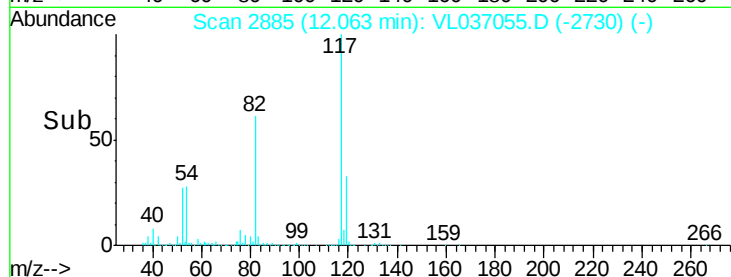
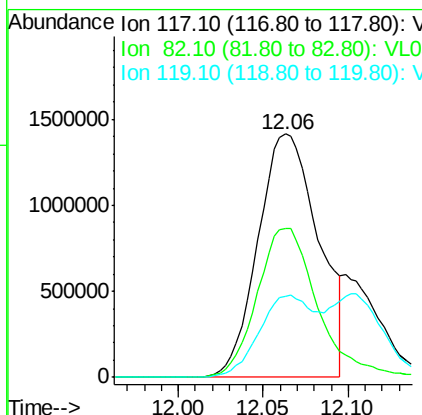
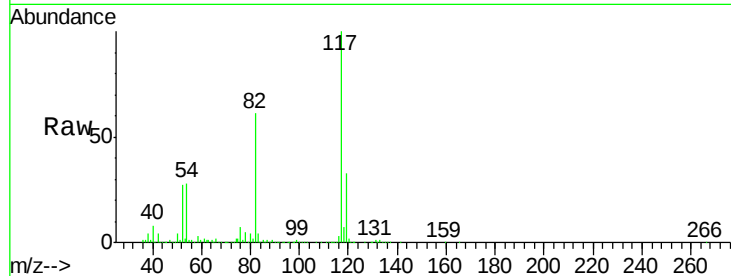
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 3521726
Ion Ratio Lower Upper
117 100
82 61.9 52.6 79.0
119 29.8 46.6 70.0#

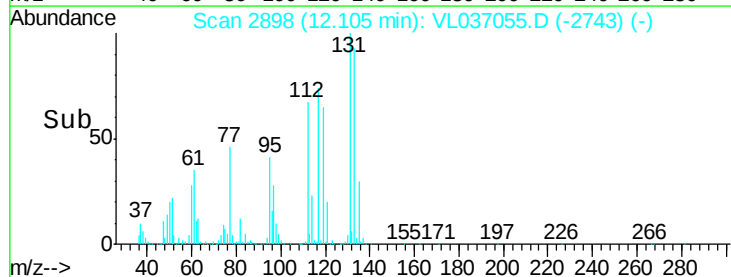
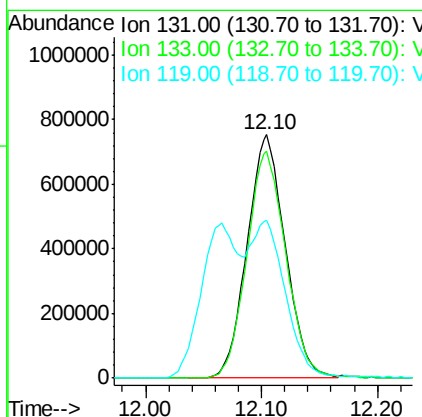
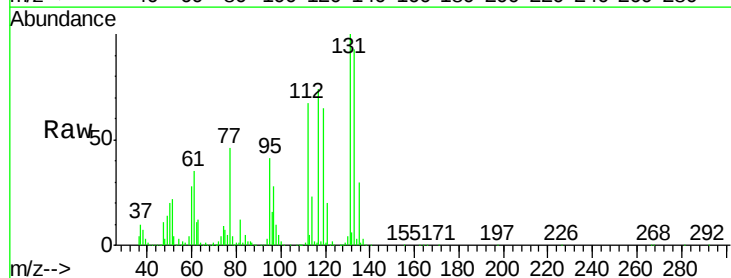
Manual Integrations
APPROVED

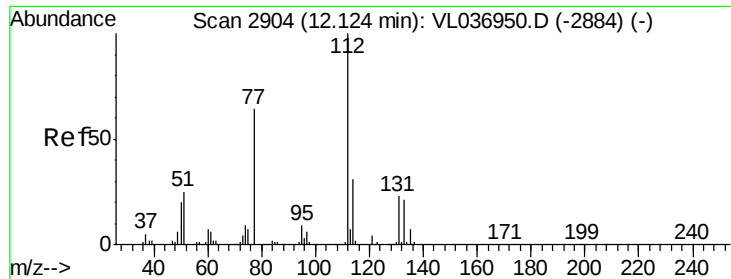
MMDadoda
5/27/2021 10:31:23 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 11.608 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion:131 Resp: 1720057
Ion Ratio Lower Upper
131 100
133 95.9 76.9 115.3
119 59.8 120.2 180.4#





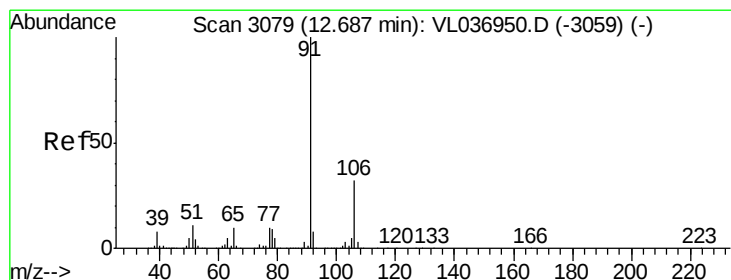
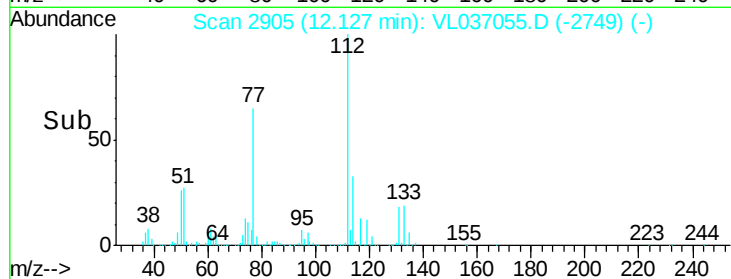
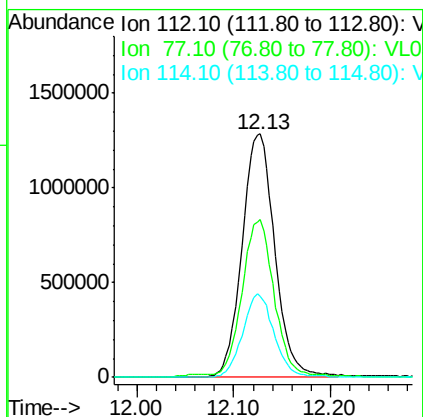
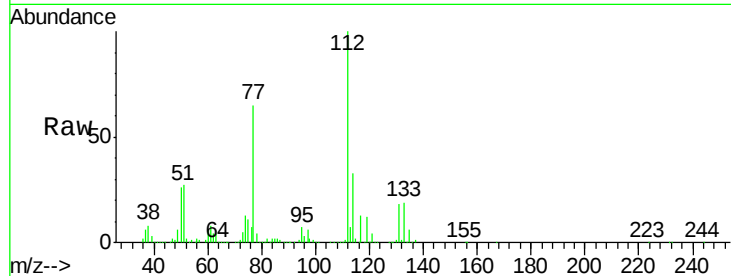
#57
Chlorobenzene
Concen: 11.094 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 112 Resp: 3029422
Ion Ratio Lower Upper
112 100
77 64.2 51.0 76.6
114 33.1 28.3 34.5

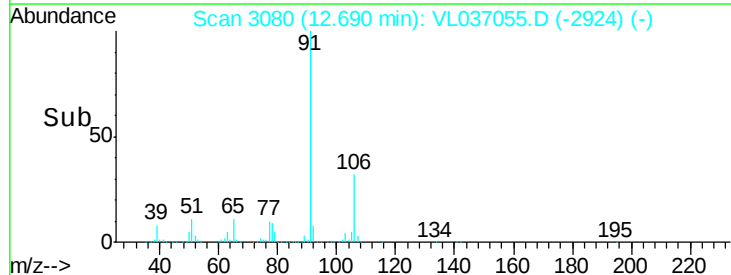
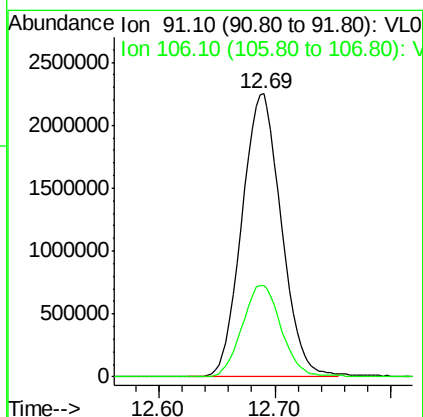
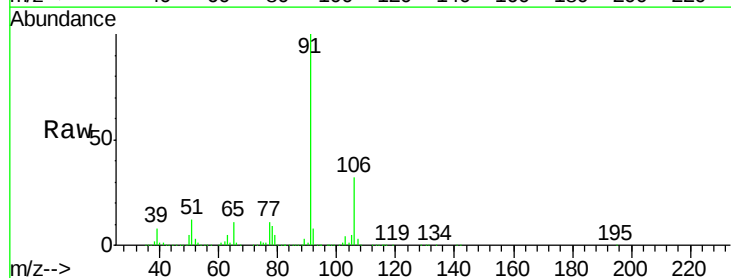
Manual Integrations
APPROVED

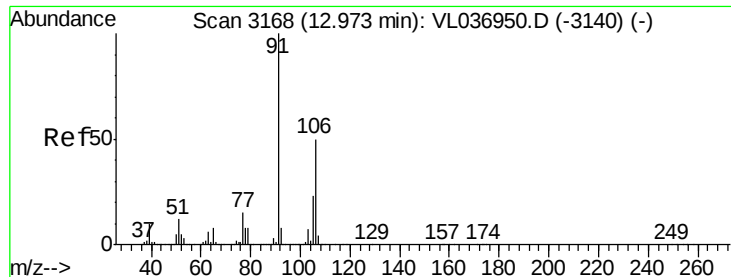
MMDadoda
5/27/2021 10:31:23 AM



#58
Ethyl Benzene
Concen: 10.685 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. 0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 91 Resp: 5310913
Ion Ratio Lower Upper
91 100
106 32.2 25.6 38.4





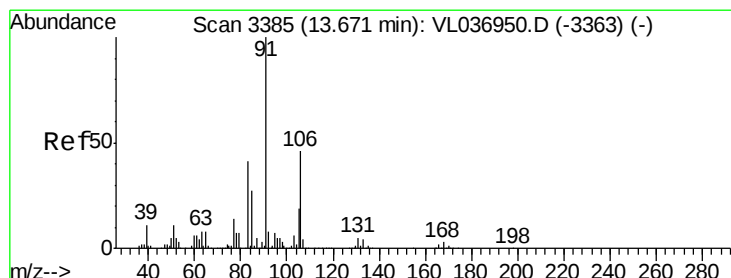
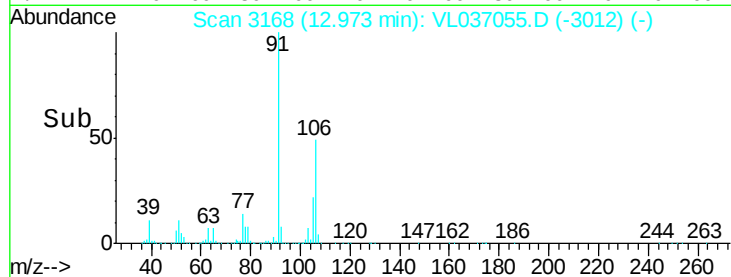
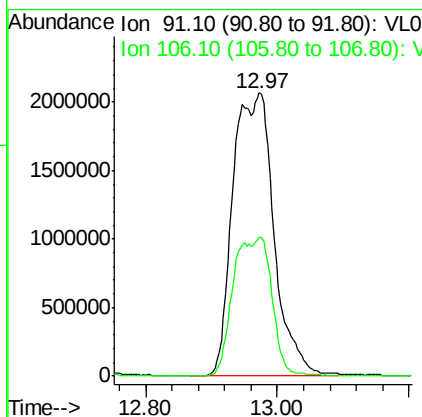
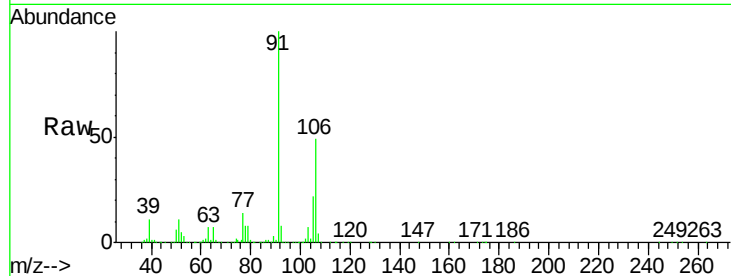
#59
m/p-Xylene
Concen: 21.849 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 8976892
Ion Ratio Lower Upper
91 100
106 46.2 37.4 56.2

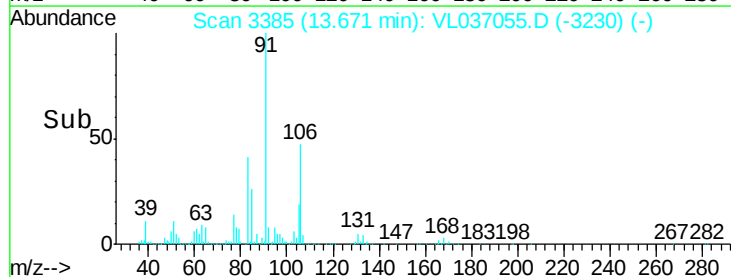
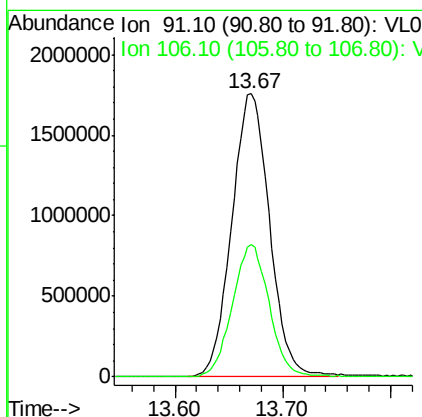
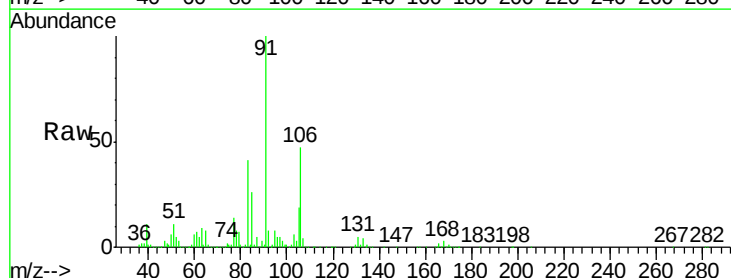
Manual Integrations
APPROVED

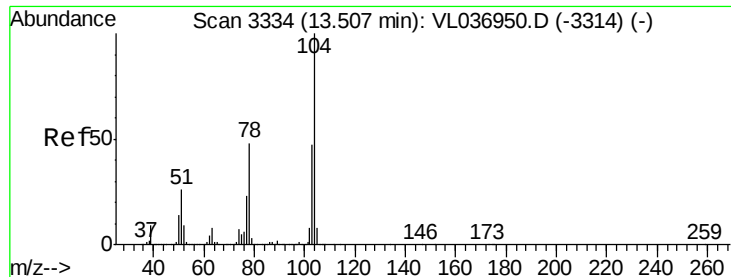
MMDadoda
5/27/2021 10:31:23 AM



#60
o-Xylene
Concen: 10.886 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 91 Resp: 4265520
Ion Ratio Lower Upper
91 100
106 46.1 23.4 70.3





#61

Styrene

Concen: 11.253 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

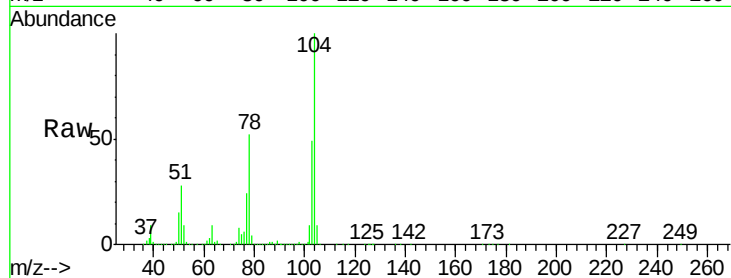
ClientSampleId :

VSTDCCC010

Tgt Ion:	104	Resp:	2484251
Ion Ratio	Lower	Upper	
104	100		
78	50.7	39.0	58.6
103	48.8	38.0	57.0

Manual Integrations
APPROVED

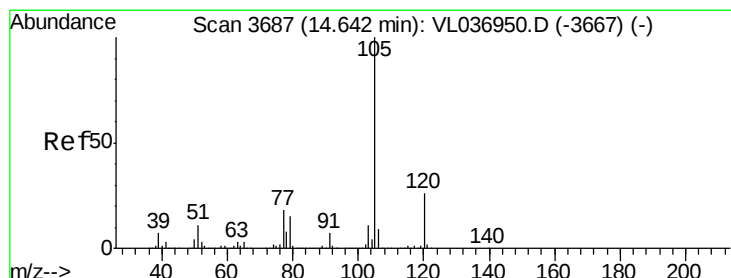
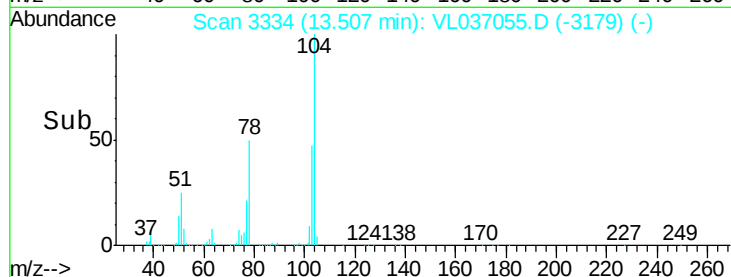
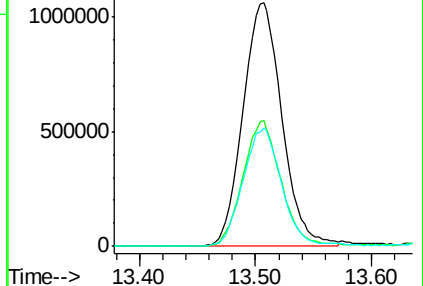
MMDadoda
5/27/2021 10:31:23 AM



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: 10.740 ppbv

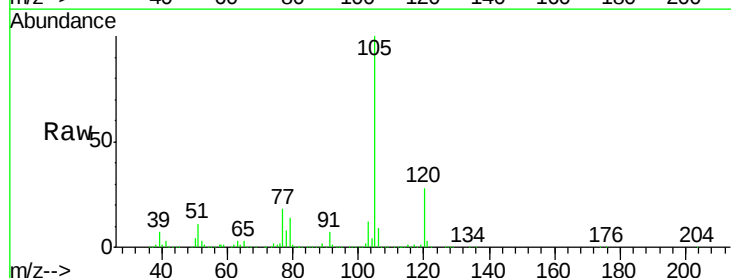
RT: 14.65 min Scan# 3689

Delta R.T. 0.01 min

Lab File: VL037055.D

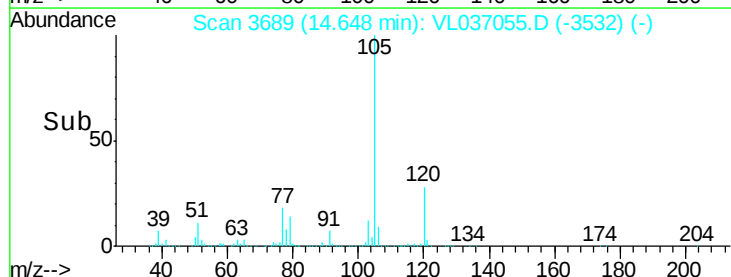
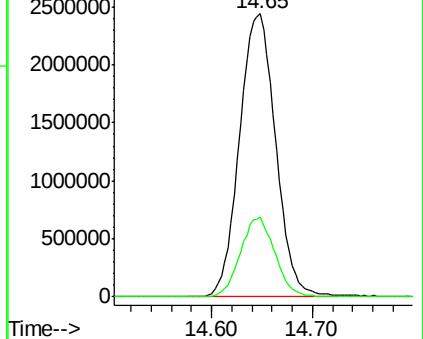
Acq: 25 May 2021 9:21

Tgt Ion:	105	Resp:	6048306
Ion Ratio	Lower	Upper	
105	100		
120	27.0	21.7	32.5



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: 9.861 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 2885928

Ion Ratio Lower Upper

83 100

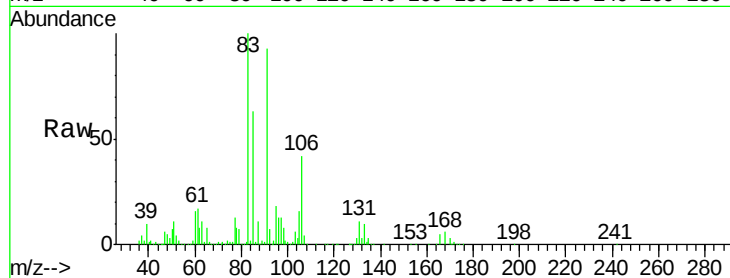
131 10.7 5.0 15.0

85 66.3 32.9 98.6

Manual Integrations
APPROVED

MMDadoda

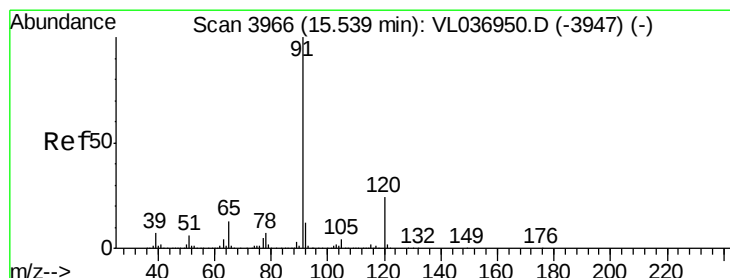
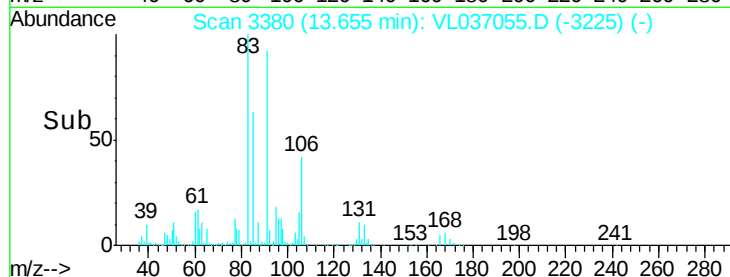
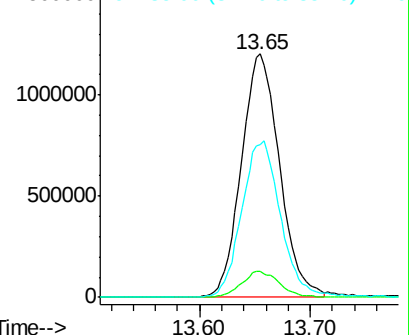
5/27/2021 10:31:23 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 11.280 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL037055.D

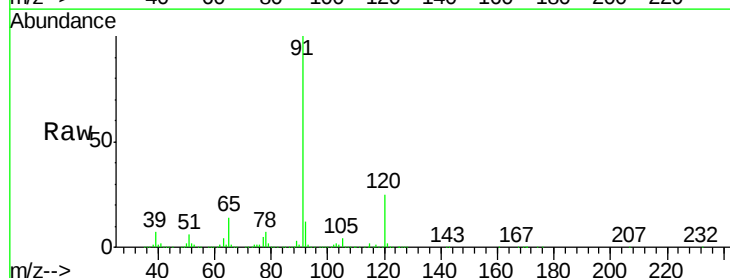
Acq: 25 May 2021 9:21

Tgt Ion: 120 Resp: 1639054

Ion Ratio Lower Upper

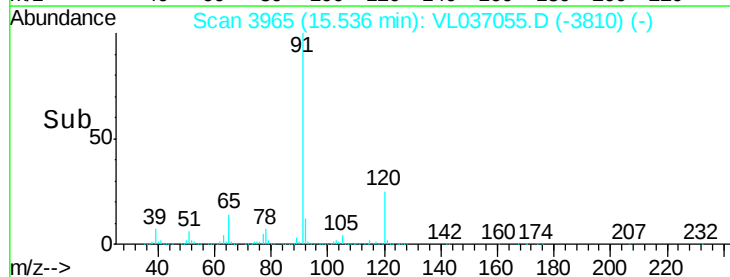
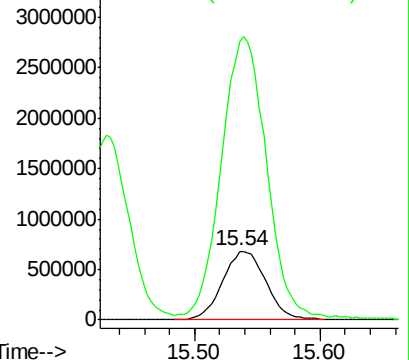
120 100

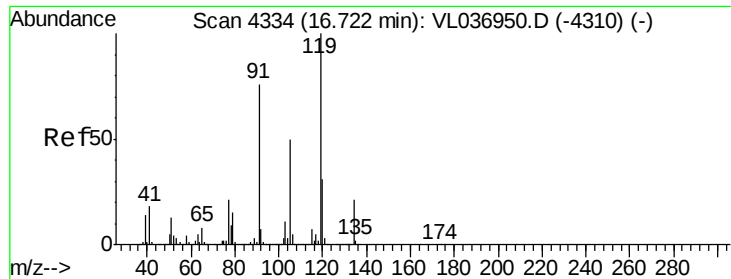
91 434.2 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





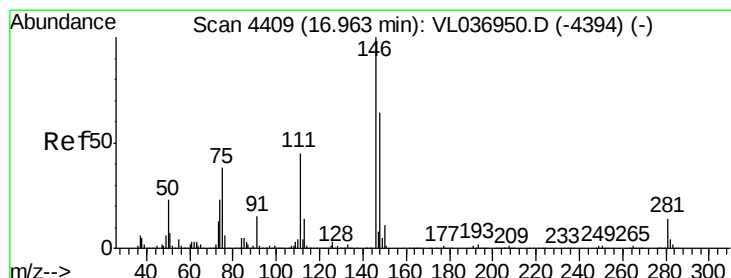
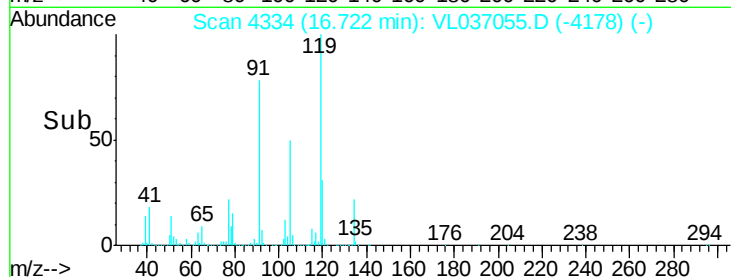
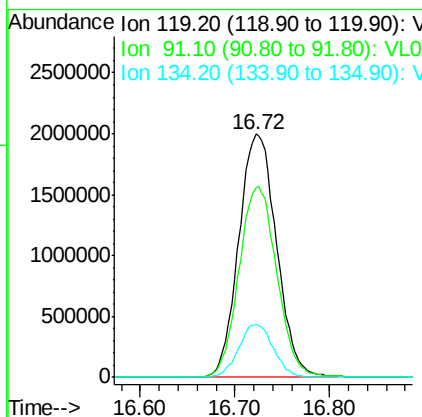
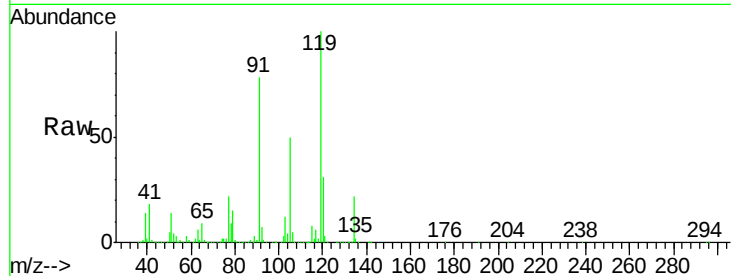
#65
 tert-Butylbenzene
 Concen: 10.909 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 119 Resp: 5543683
 Ion Ratio Lower Upper
 119 100
 91 78.7 61.9 92.9
 134 20.2 16.2 24.4

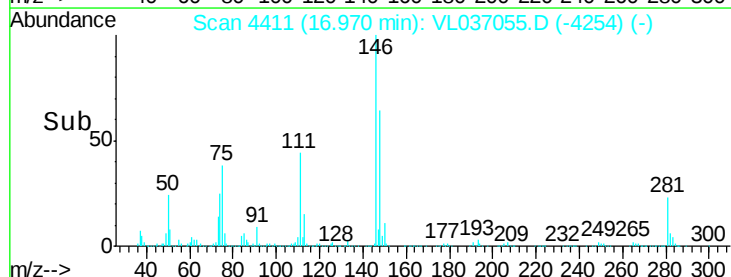
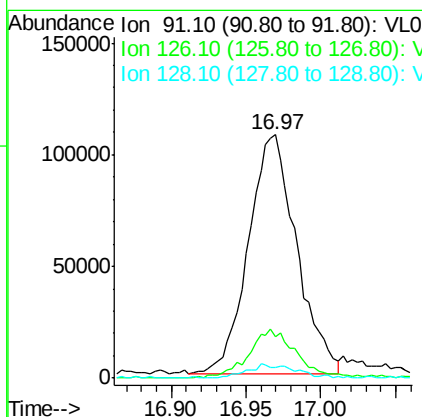
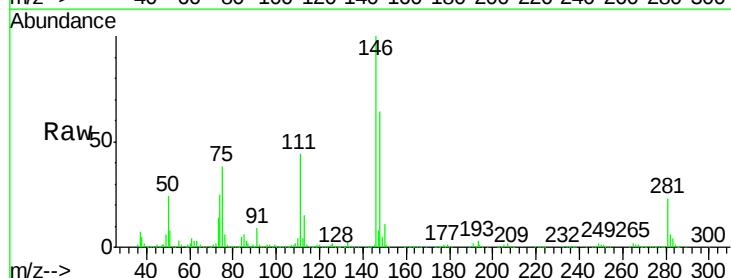
Manual Integrations
 APPROVED

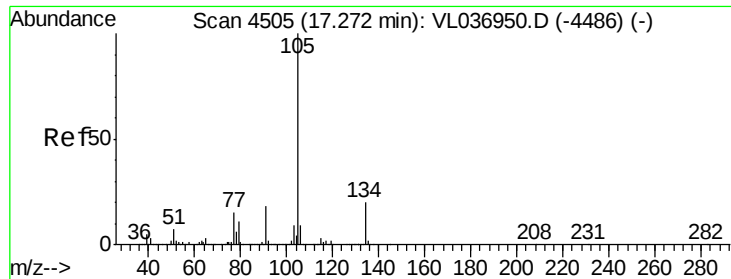
MMDadoda
 5/27/2021 10:31:23 AM



#66
 Benzyl Chloride
 Concen: 8.475 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. 0.01 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 91 Resp: 238966
 Ion Ratio Lower Upper
 91 100
 126 20.7 16.5 24.7
 128 6.6 5.5 8.3





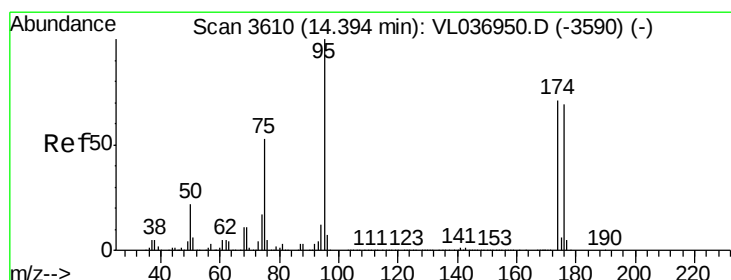
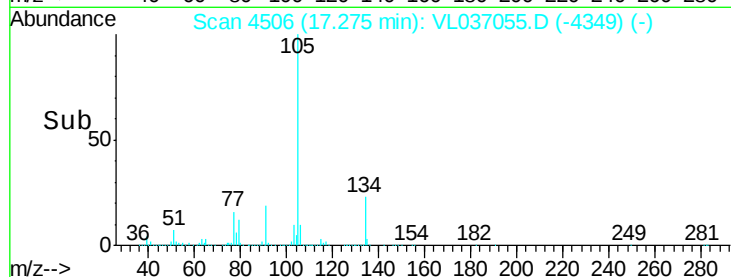
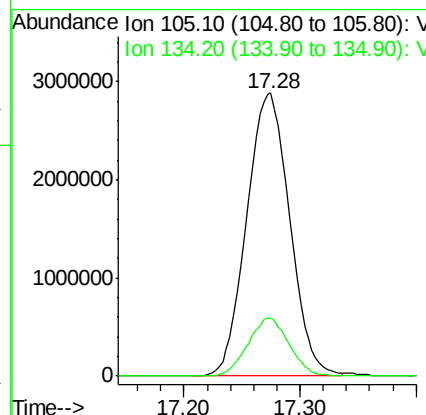
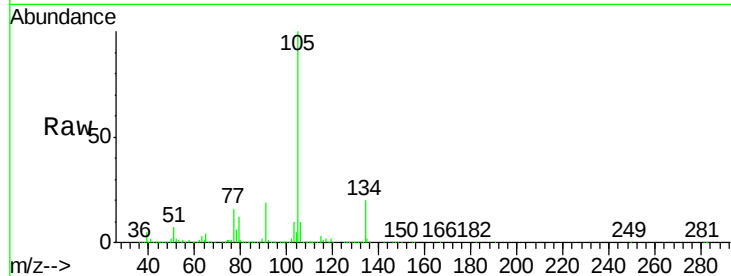
#67
 sec-Butylbenzene
 Concen: 10.727 ppbv
 RT: 17.28 min Scan# 4506
 Delta R.T. 0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 105 Resp: 7436249
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.6 23.4

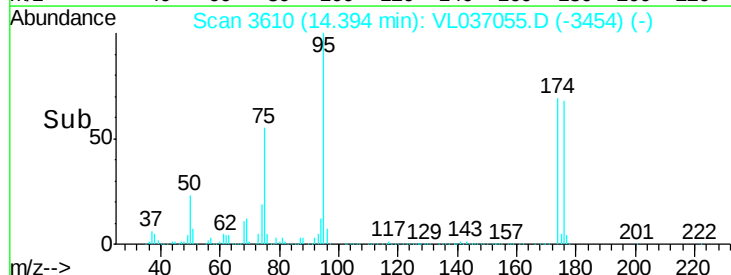
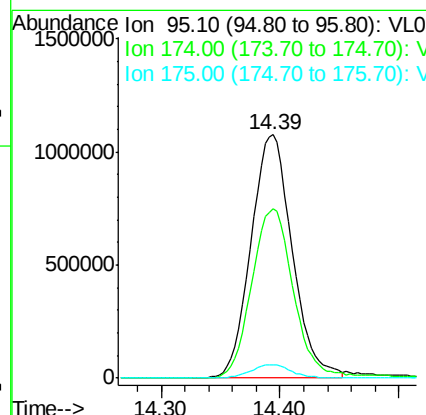
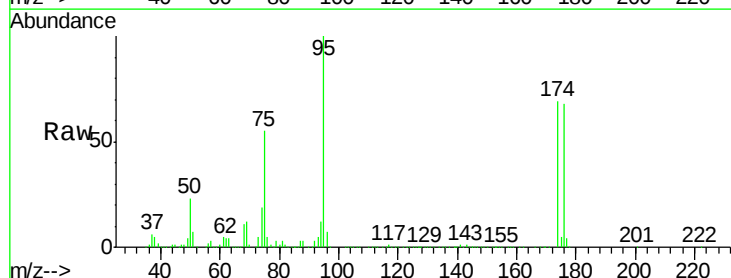
Manual Integrations
 APPROVED

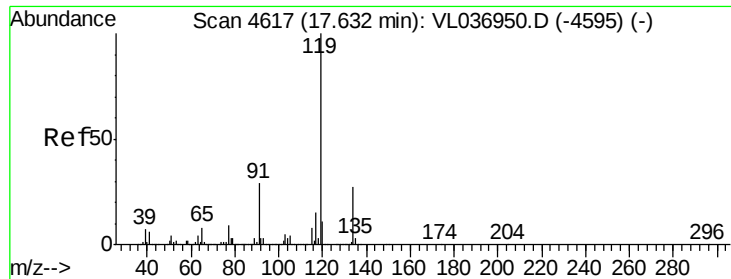
MMDadoda
 5/27/2021 10:31:23 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.765 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 95 Resp: 2583414
 Ion Ratio Lower Upper
 95 100
 174 72.4 58.4 87.6
 175 5.5 4.4 6.6





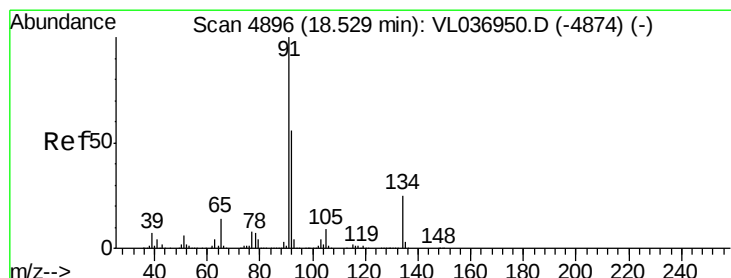
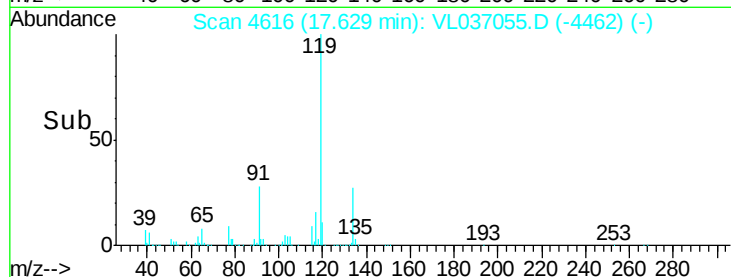
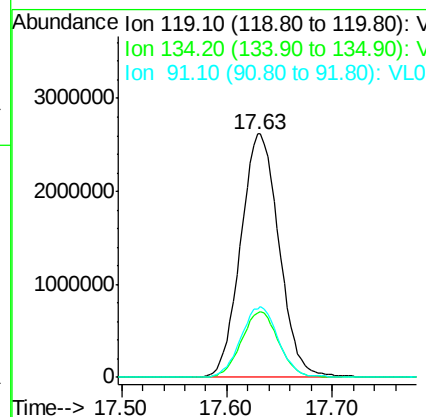
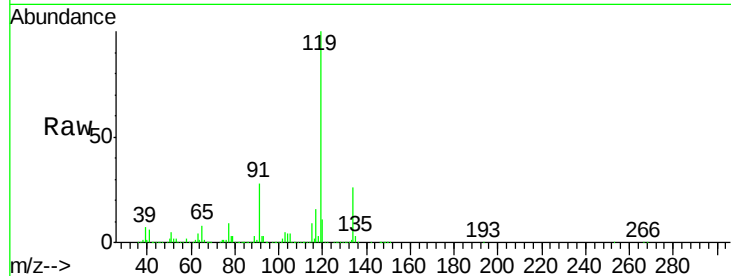
#69
p-Isopropyltoluene
Concen: 11.090 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 6610313
Ion Ratio Lower Upper
119 100
134 26.4 21.2 31.8
91 28.4 22.2 33.4

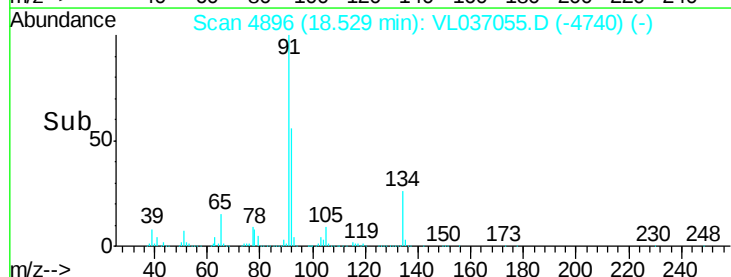
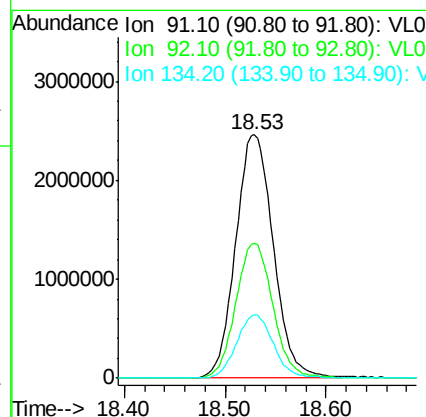
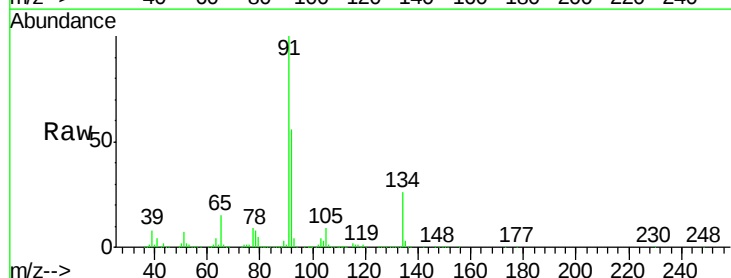
Manual Integrations
APPROVED

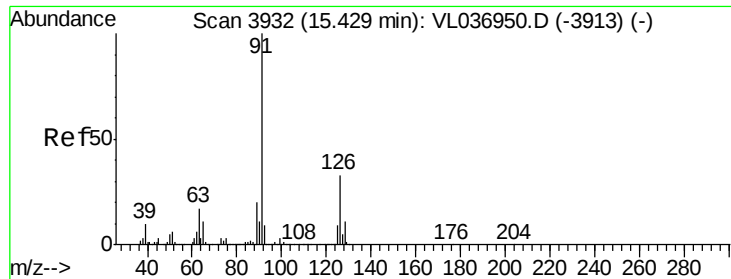
MMDadoda
5/27/2021 10:31:23 AM



#70
n-Butylbenzene
Concen: 11.255 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion: 91 Resp: 6372932
Ion Ratio Lower Upper
91 100
92 54.8 44.6 66.8
134 25.5 20.2 30.2





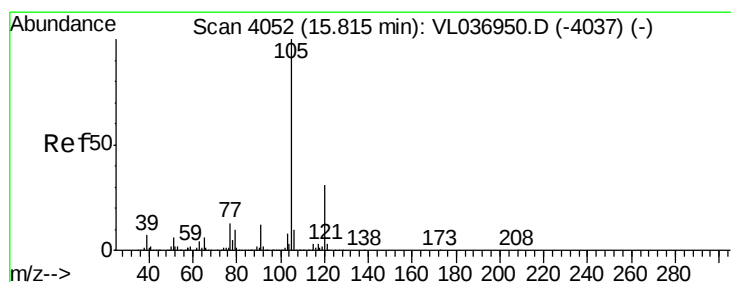
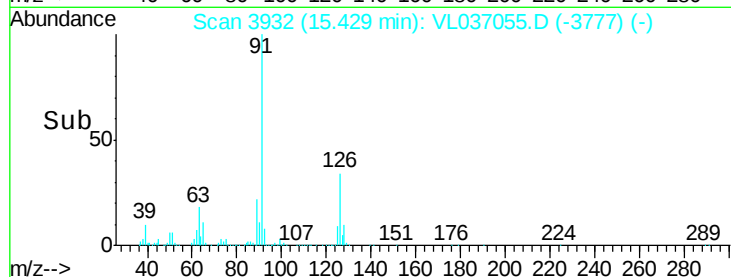
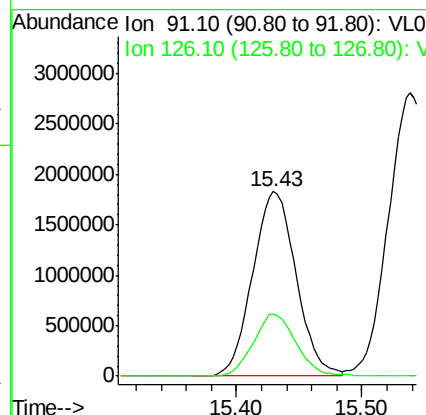
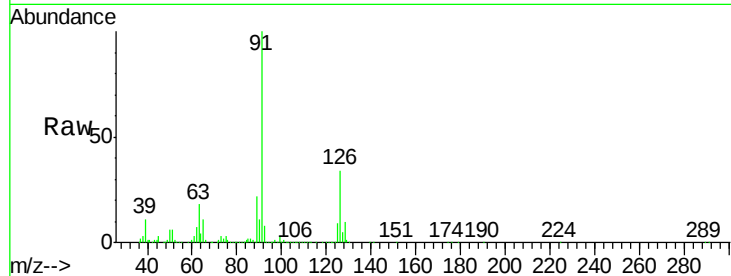
#71
 2-Chlorotoluene
 Concen: 10.857 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 91 Resp: 4416046
 Ion Ratio Lower Upper
 91 100
 126 33.7 13.1 52.5

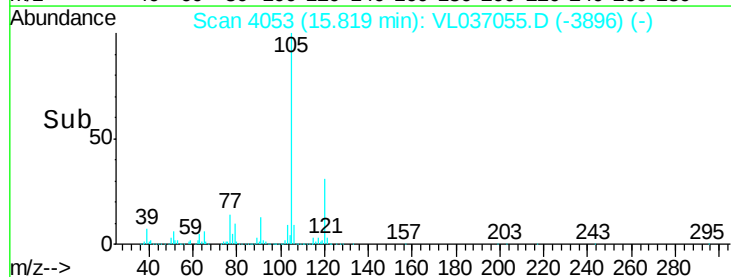
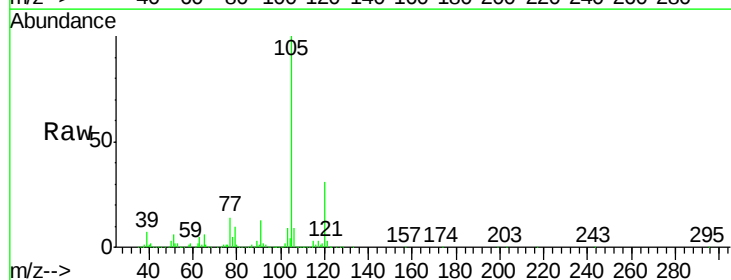
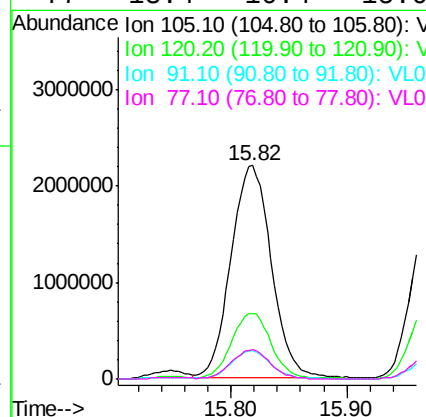
Manual Integrations
 APPROVED

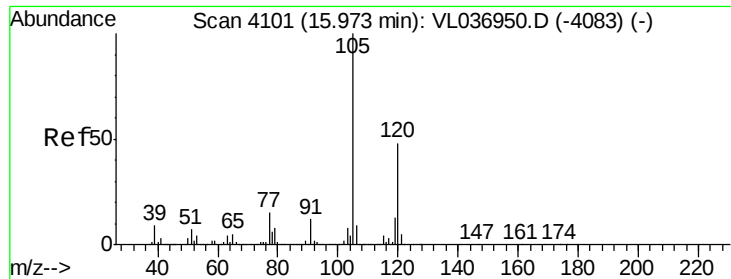
MMDadoda
 5/27/2021 10:31:23 AM



#72
 4-Ethyltoluene
 Concen: 11.407 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion: 105 Resp: 5305170
 Ion Ratio Lower Upper
 105 100
 120 30.8 24.6 37.0
 91 12.9 9.8 14.6
 77 13.4 10.4 15.6





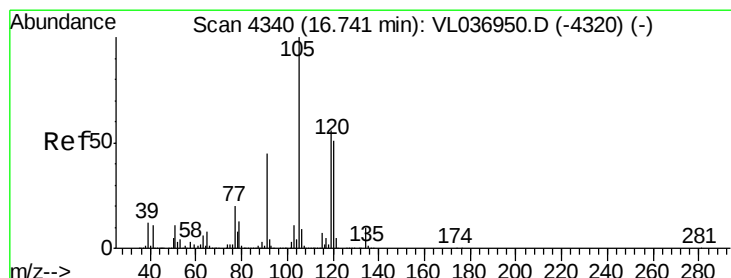
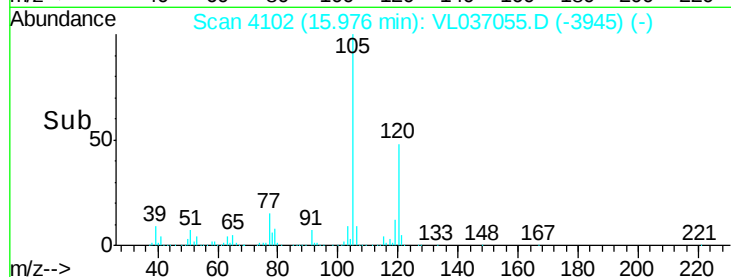
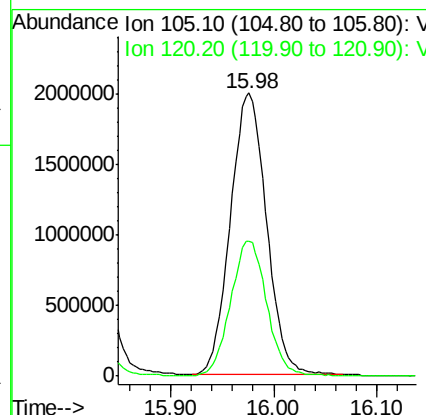
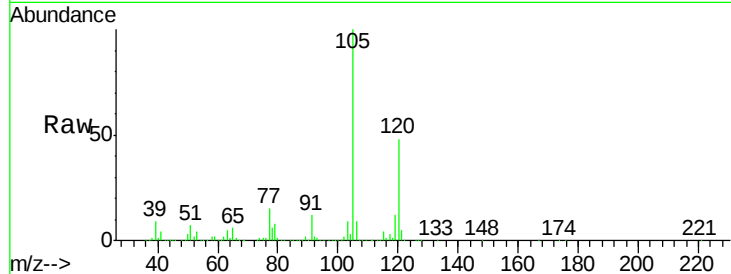
#73
 1,3,5-Trimethylbenzene
 Concen: 11.098 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 4846886
 Ion Ratio Lower Upper
 105 100
 120 47.5 38.6 58.0

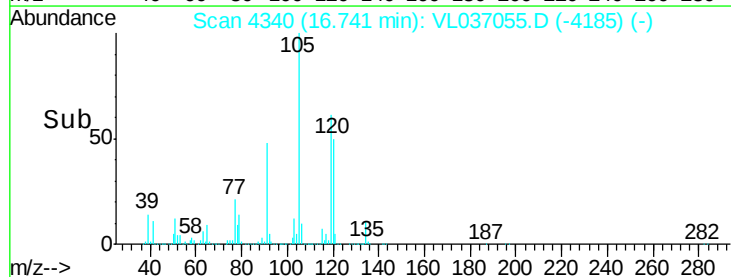
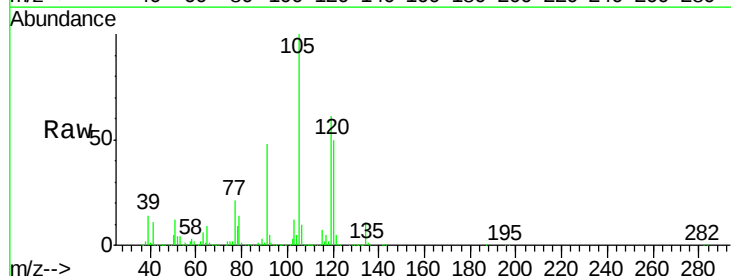
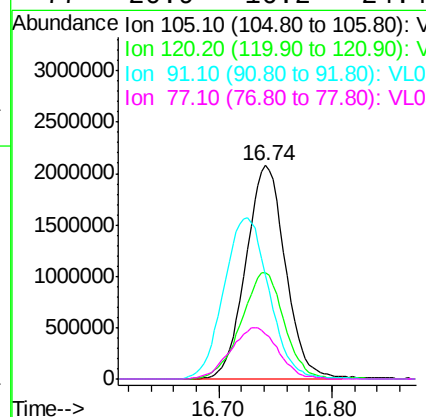
Manual Integrations
 APPROVED

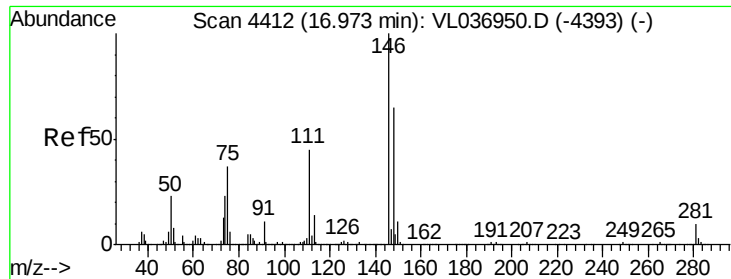
MMDadoda
 5/27/2021 10:31:23 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 11.174 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion:105 Resp: 5045902
 Ion Ratio Lower Upper
 105 100
 120 49.8 40.6 61.0
 91 47.9 37.4 56.0
 77 20.9 16.2 24.4





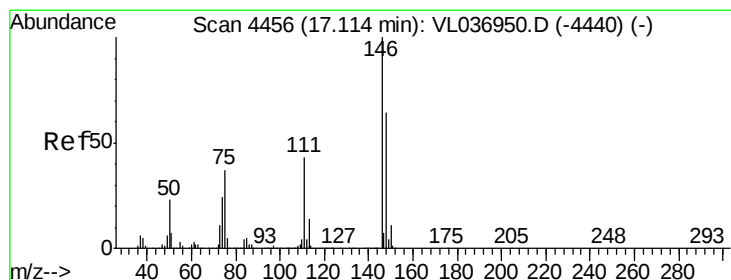
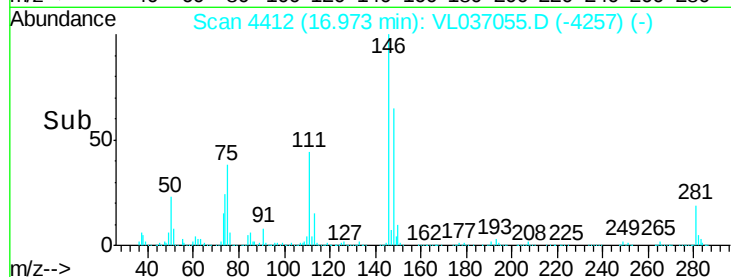
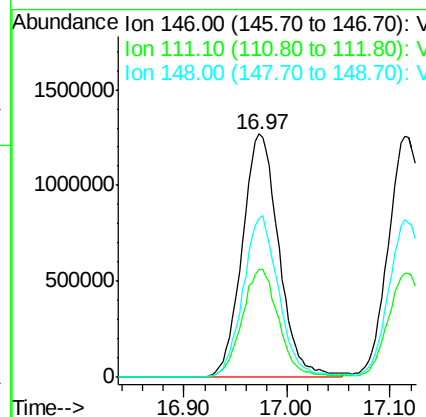
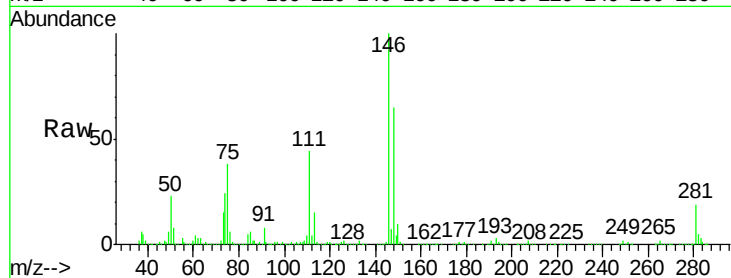
#75
 1,3-Dichlorobenzene
 Concen: 11.375 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 3136777
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.2 66.6
 148 64.7 32.3 96.8

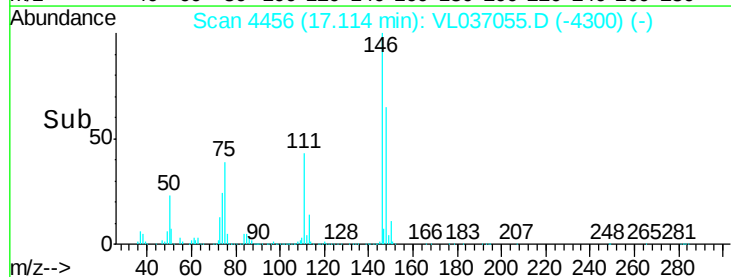
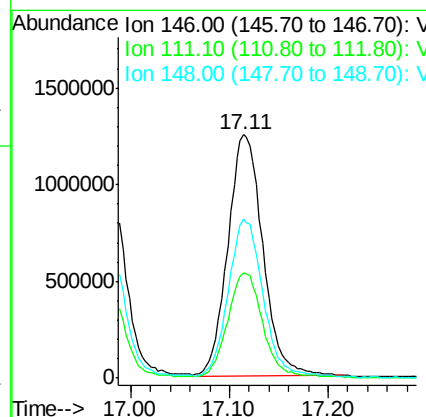
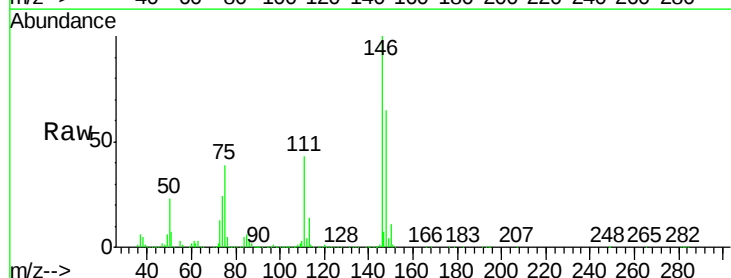
Manual Integrations
 APPROVED

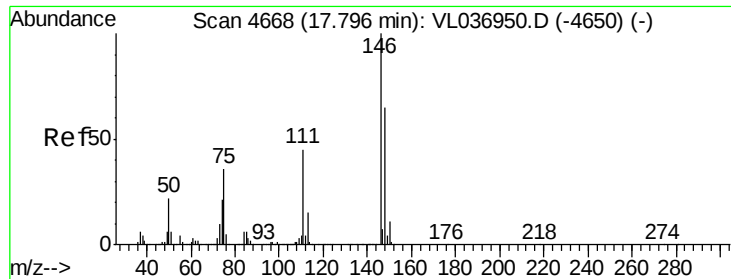
MMDadoda
 5/27/2021 10:31:23 AM



#76
 1,4-Dichlorobenzene
 Concen: 11.143 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Tgt Ion:146 Resp: 3106731
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.6 67.7
 148 65.5 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 11.055 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 3054595

Ion Ratio Lower Upper

146 100

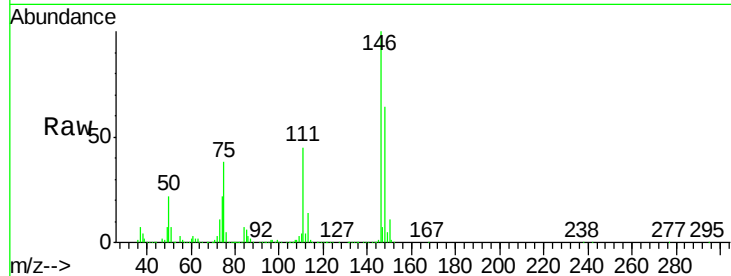
111 46.6 23.1 69.2

148 65.5 32.5 97.4

Manual Integrations
APPROVED

MMDadoda

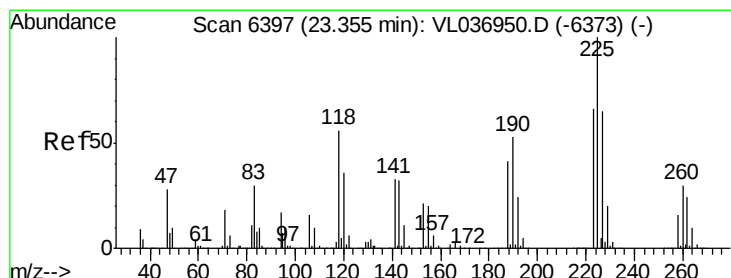
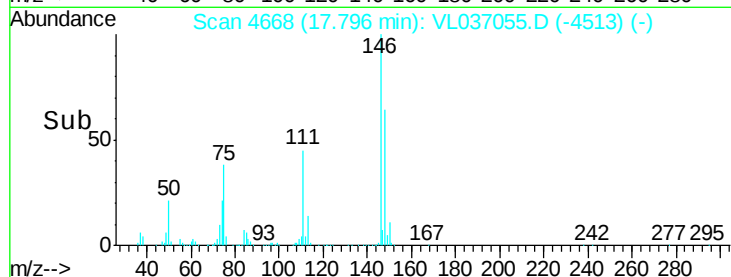
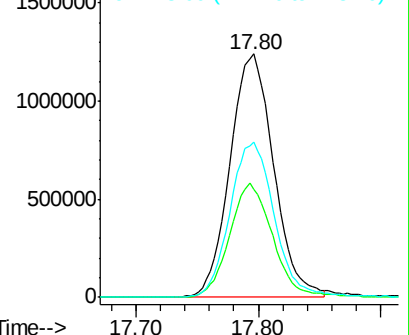
5/27/2021 10:31:23 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 10.036 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL037055.D

Acq: 25 May 2021 9:21

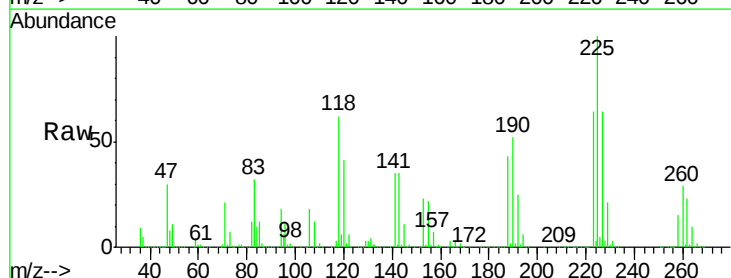
Tgt Ion:225 Resp: 2229679

Ion Ratio Lower Upper

225 100

223 64.2 51.9 77.9

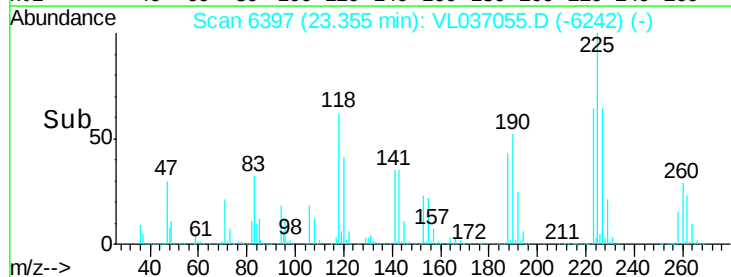
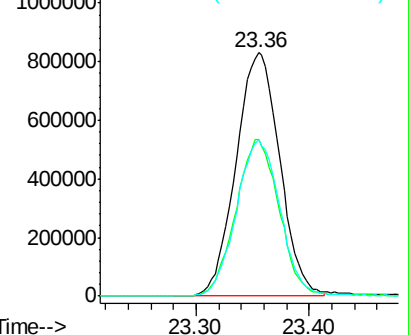
227 64.5 51.8 77.6

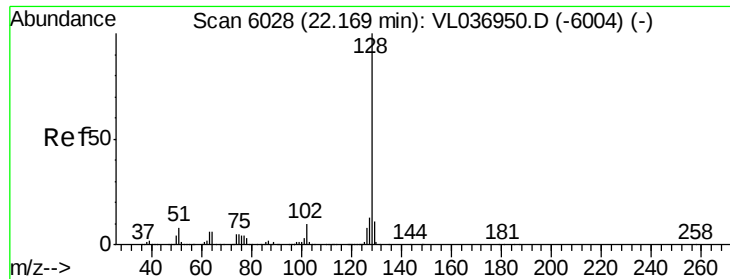


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





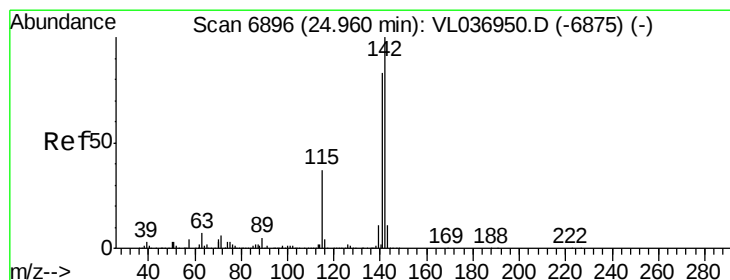
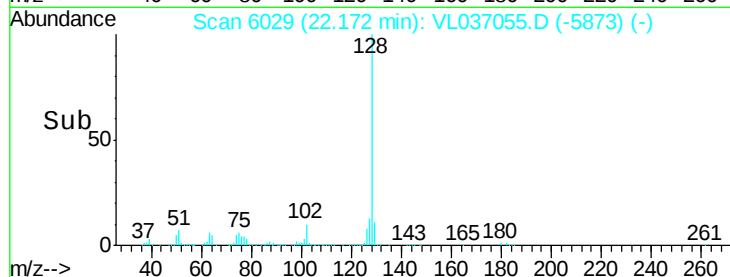
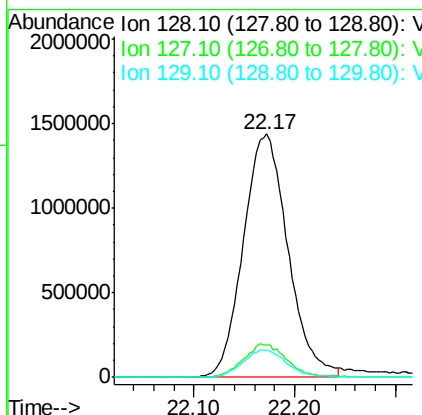
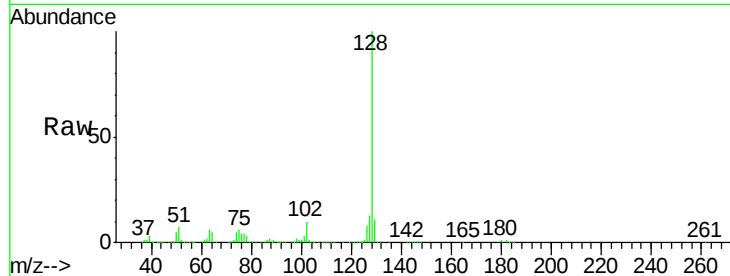
#79
Naphthalene
Concen: 12.463 ppbv
RT: 22.17 min Scan# 6029
Delta R.T. 0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.3	9.0	13.6

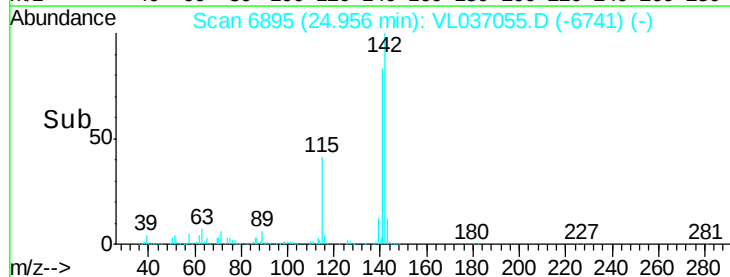
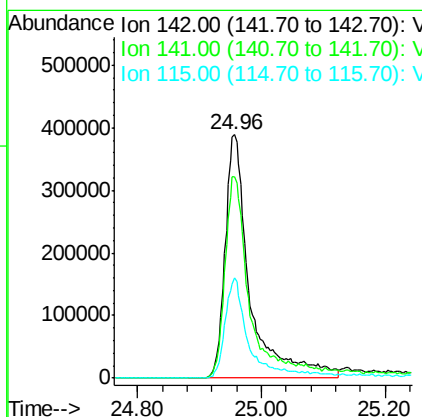
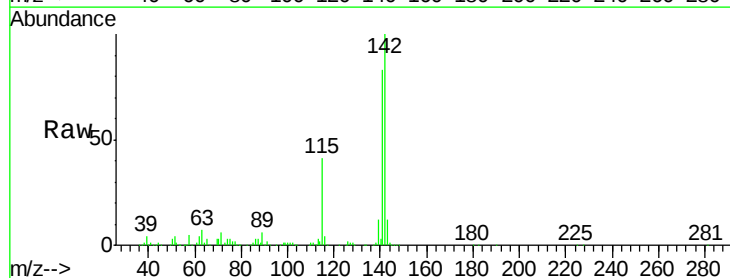
Manual Integrations
APPROVED

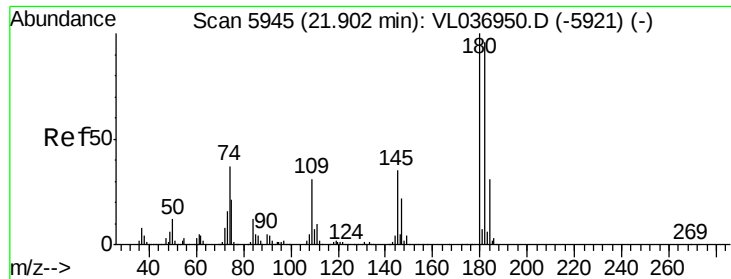
MMDadoda
5/27/2021 10:31:23 AM



#80
Naphthalene, 2-methyl-
Concen: 14.175 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL037055.D
Acq: 25 May 2021 9:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	69.3	103.9
115	41.4	29.1	43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.724 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL037055.D
 Acq: 25 May 2021 9:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 2532251
 Ion Ratio Lower Upper
 180 100
 182 101.1 81.7 122.5
 184 31.9 24.9 37.3

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:23 AM

