

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037738.D
 Acq On : 1 Oct 2021 10:46
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 10/14/2021 6:07:24 AM

Quant Time: Oct 02 19:37:41 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	5.65	49	1444853	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4313101	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3855842m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2620832	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1856066m	7.099	ppbv
3) Chlorodifluoromethane	2.98	51	2574596	9.447	ppbv 99
4) Chloromethane	3.13	50	954825	9.483	ppbv 100
5) Vinyl Chloride	3.25	62	961191	10.163	ppbv 95
6) Bromomethane	3.46	94	469304	8.537	ppbv 96
7) Chloroethane	3.55	64	337862	9.559	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	2158788	9.571	ppbv 99
9) Propene	3.00	41	965229	10.040	ppbv 98
10) Heptane	8.10	43	2340153	10.432	ppbv 99
11) Trichlorofluoromethane	3.94	101	1979113	9.429	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1498015	9.668	ppbv 99
13) Ethanol	3.60	45	86846	9.236	ppbv 92
14) Bromoethene	3.73	108	678721	9.624	ppbv 98
15) Acetone	3.84	43	1123014	7.481	ppbv 96
16) 1,3-Butadiene	3.32	39	946525	10.090	ppbv 97
17) tert-Butyl alcohol	4.27	59	1300626	10.217	ppbv 98
18) 1,1-Dichloroethene	4.28	96	680153	9.423	ppbv 95
19) Isopropyl Alcohol	3.95	45	833900	10.209	ppbv # 96
20) Methylene Chloride	4.33	84	605933	8.455	ppbv 96
21) Allyl Chloride	4.40	41	1129487	10.071	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	724968	9.983	ppbv 98
23) Vinyl Acetate	5.05	43	1819346	8.758	ppbv # 98
24) 1,1-Dichloroethane	5.00	63	1408095	9.462	ppbv 99
25) Ethyl Acetate	5.66	43	3700571	10.178	ppbv 99
26) Hexane	5.67	57	1760574	10.194	ppbv 100
27) Carbon Disulfide	4.53	76	1733586	10.972	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1442802	9.484	ppbv 99
29) Chloroform	5.73	83	2427383	9.625	ppbv 98
30) Cyclohexane	7.11	84	1457353	9.866	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1602532	10.221	ppbv 96
32) 1,1,1-Trichloroethane	6.49	97	2328056	9.915	ppbv 99
34) 2-Butanone	5.22	43	1572482	8.972	ppbv 100
35) Carbon Tetrachloride	7.00	117	2421494	9.925	ppbv 98
36) Benzene	6.87	78	3593998	9.993	ppbv 100
37) 1,2-Dichloroethane	6.29	62	1721405	9.732	ppbv 99
38) Trichloroethene	7.81	130	1381922	9.198	ppbv 98
39) 1,2-Dichloropropane	7.59	63	1376201	9.990	ppbv 97
40) 1,4-Dioxane	7.81	88	326723	9.750	ppbv # 1
41) Tetrahydrofuran	6.03	42	887171	10.767	ppbv 99
42) Bromodichloromethane	7.77	83	2561058	10.102	ppbv 98
43) Methyl Methacrylate	7.99	69	1293932	10.814	ppbv 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037738.D
 Acq On : 1 Oct 2021 10:46
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

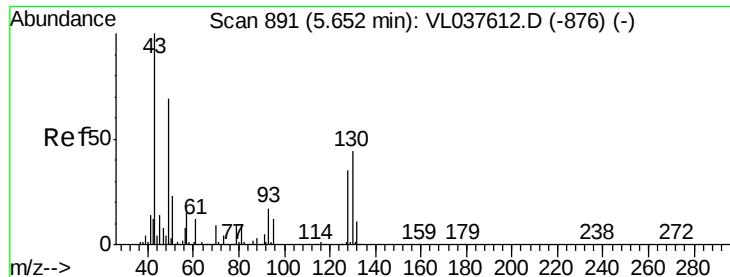
Manual Integrations
 APPROVED

apatel
 10/14/2021 6:07:24 AM

Quant Time: Oct 02 19:37:41 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)
44) 2,2,4-Trimethylpentane	7.85	57	5950319	9.841	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1021758	10.872	ppbv	94
46) cis-1,3-Dichloropropene	8.68	75	1342875	10.578	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1422329	9.334	ppbv	97
48) Dibromochloromethane	10.28	129	2244198	10.557	ppbv	97
49) Bromoform	13.01	173	1806680	10.619	ppbv	96
50) 4-Methyl-2-Pentanone	8.72	43	2367114	10.640	ppbv	99
51) 2-Hexanone	10.11	43	1124887	11.460	ppbv #	96
52) Tetrachloroethene	11.20	164	1310351	9.490	ppbv	99
53) Toluene	9.78	91	4120758	10.308	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2006722	9.618	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1525739	9.540	ppbv #	52
57) Chlorobenzene	12.12	112	2975350	9.282	ppbv	100
58) Ethyl Benzene	12.69	91	5150586	10.063	ppbv	100
59) m/p-Xylene	12.97	91	8552608m	19.174	ppbv	
60) o-Xylene	13.67	91	3968427	9.348	ppbv	97
61) Styrene	13.50	104	2257677	10.785	ppbv	98
62) Isopropylbenzene	14.64	105	5565451	9.384	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	2892776	8.706	ppbv	100
64) n-propylbenzene	15.54	120	1488833	9.728	ppbv	85
65) tert-Butylbenzene	16.72	119	4963501	9.282	ppbv	99
66) Benzyl Chloride	16.96	91	286357	9.799	ppbv	100
67) sec-Butylbenzene	17.27	105	6896227	9.506	ppbv	99
69) p-Isopropyltoluene	17.63	119	5791778	9.772	ppbv	100
70) n-Butylbenzene	18.52	91	5635835	10.050	ppbv	99
71) 2-Chlorotoluene	15.43	91	4070802	9.578	ppbv	98
72) 4-Ethyltoluene	15.82	105	4720248	9.686	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	4293658	9.452	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4496110	9.397	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2724192	9.164	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2630579	8.972	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2665537	9.454	ppbv	98
78) Hexachloro-1,3-Butadiene	23.35	225	1978879	8.339	ppbv	100
79) Naphthalene	22.16	128	3376244	11.492	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	942458	14.035	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	2001703	10.612	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: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1444853

Ion Ratio Lower Upper

49 100

128 55.1 27.9 83.6

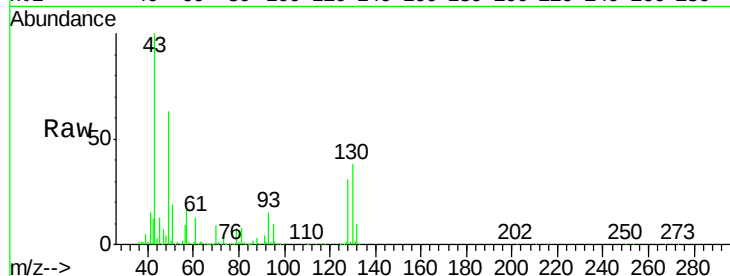
130 67.5 33.9 101.7

Manual Integrations

APPROVED

apatel

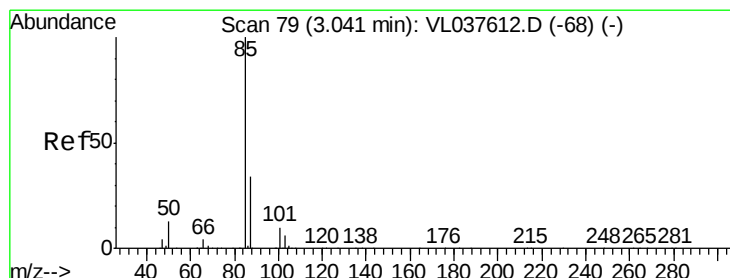
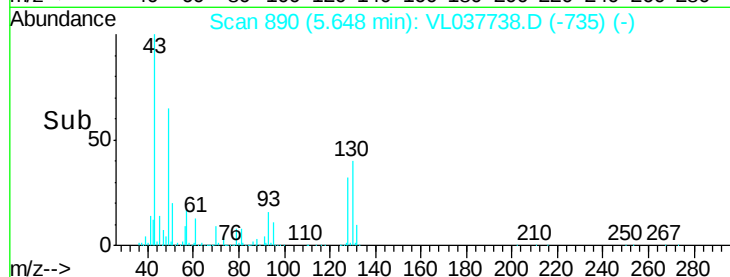
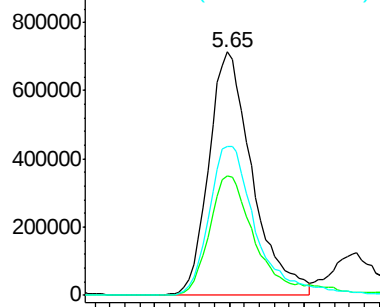
10/14/2021 6:07:24 AM



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: 7.099 ppbv m

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037738.D

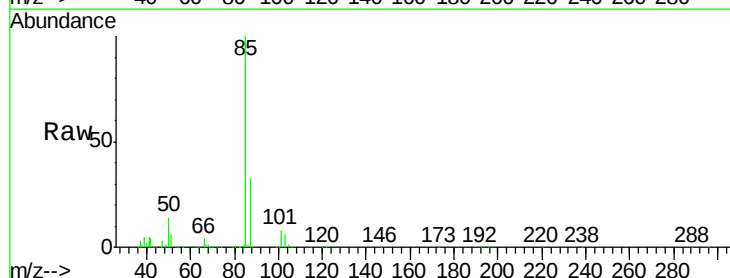
Acq: 1 Oct 2021 10:46

Tgt Ion: 85 Resp: 1856066

Ion Ratio Lower Upper

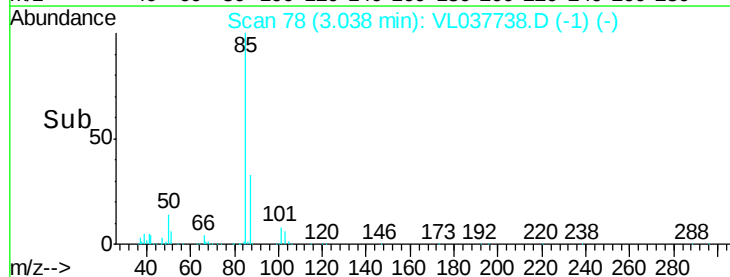
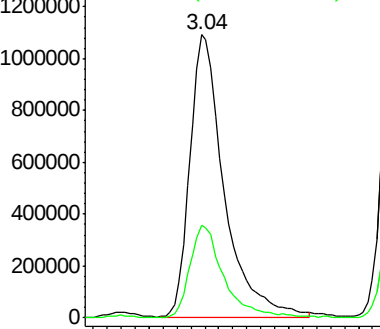
85 100

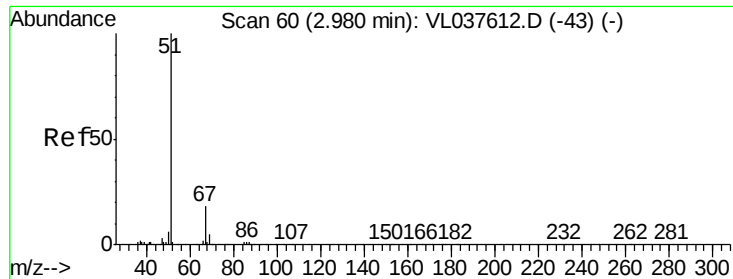
87 32.6 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





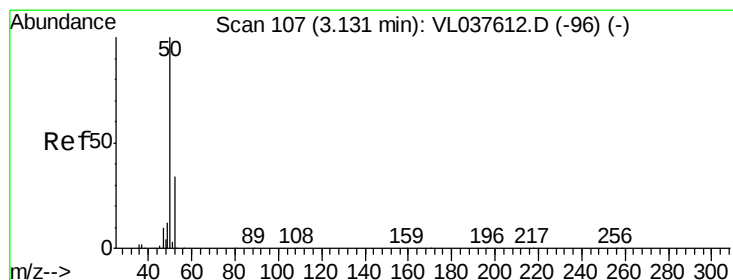
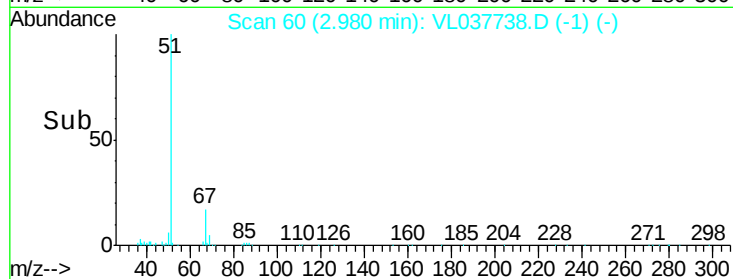
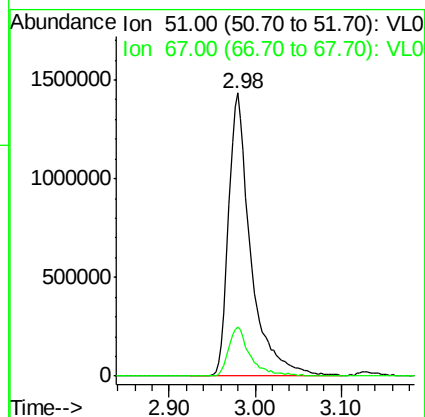
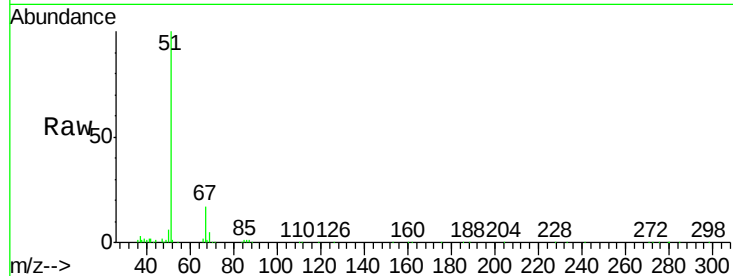
#3
Chlorodifluoromethane
Concen: 9.447 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 2574596
Ion Ratio Lower Upper
51 100
67 17.1 14.0 21.0

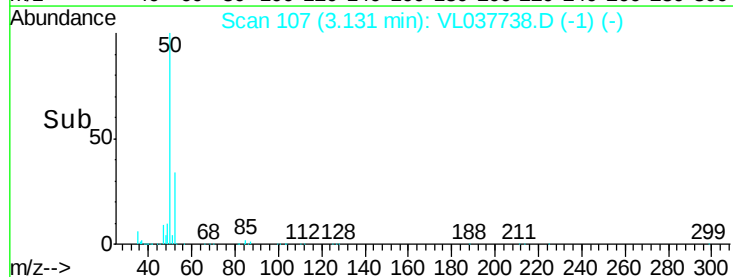
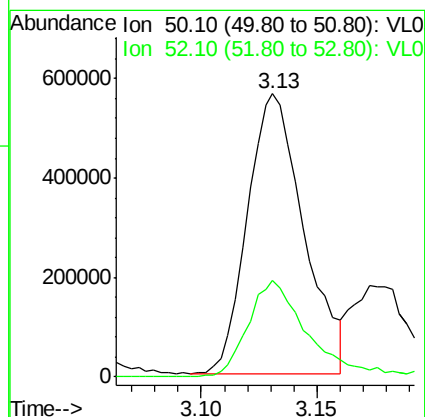
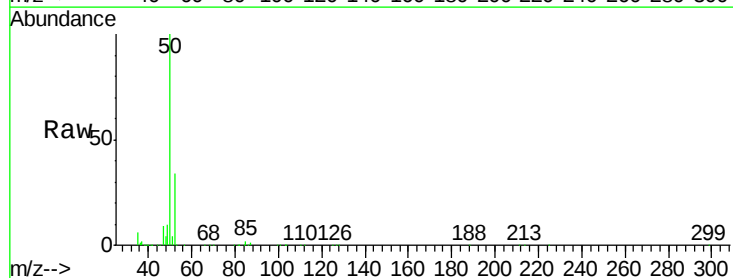
Manual Integrations
APPROVED

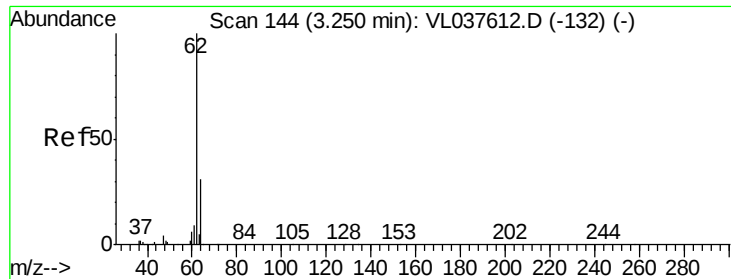
apatel
10/14/2021 6:07:24 AM



#4
Chloromethane
Concen: 9.483 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 50 Resp: 954825
Ion Ratio Lower Upper
50 100
52 34.2 27.1 40.7





#5

Vinyl Chloride

Concen: 10.163 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 961191

Ion Ratio Lower Upper

62 100

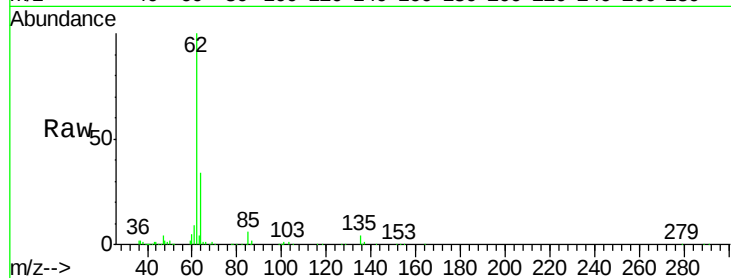
64 33.7 24.9 37.3

Manual Integrations

APPROVED

apatel

10/14/2021 6:07:24 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

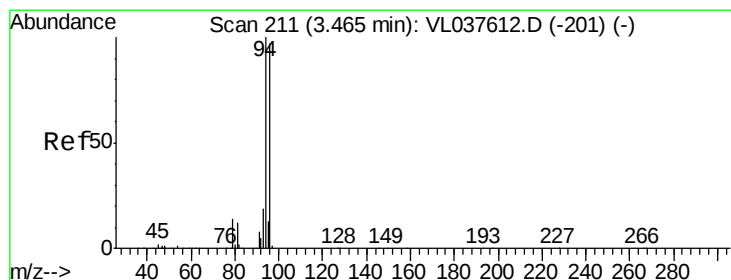
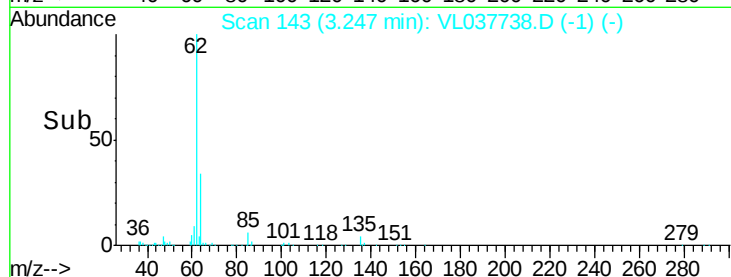
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.537 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037738.D

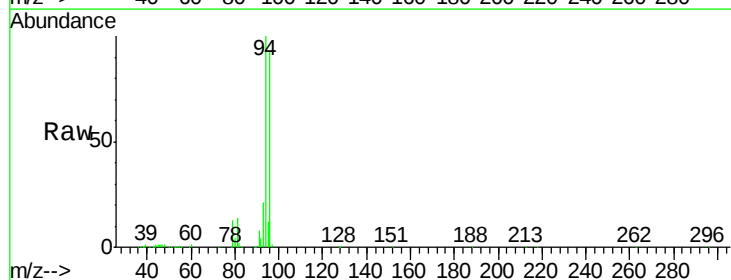
Acq: 1 Oct 2021 10:46

Tgt Ion: 94 Resp: 469304

Ion Ratio Lower Upper

94 100

96 92.8 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

300000

250000

200000

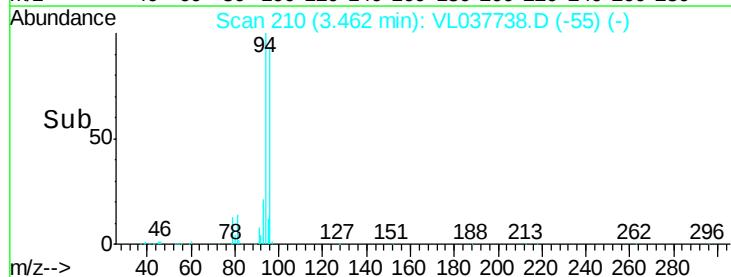
150000

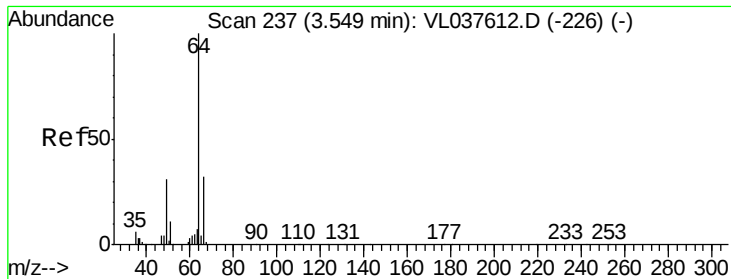
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.559 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 337862

Ion Ratio Lower Upper

64 100

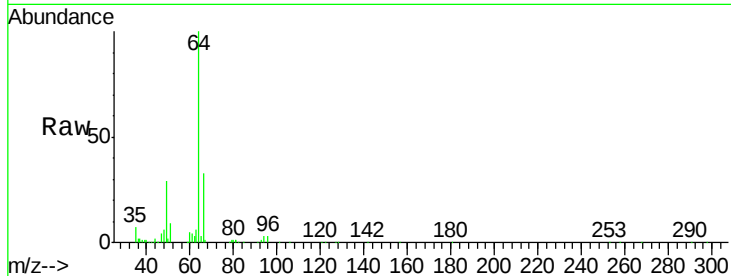
66 32.5 25.3 37.9

Manual Integrations

APPROVED

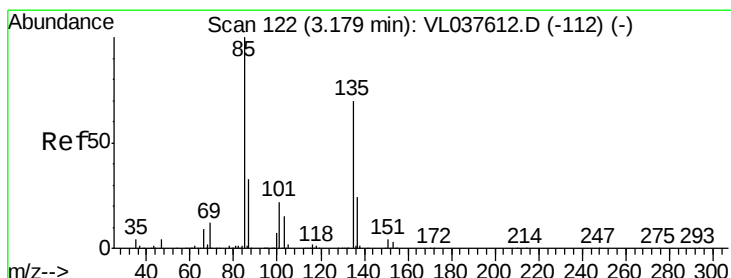
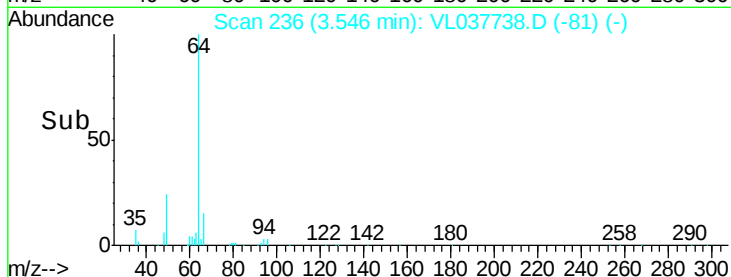
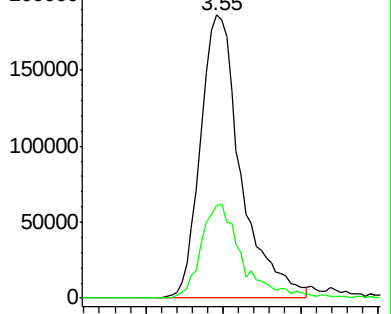
apatel

10/14/2021 6:07:24 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.571 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037738.D

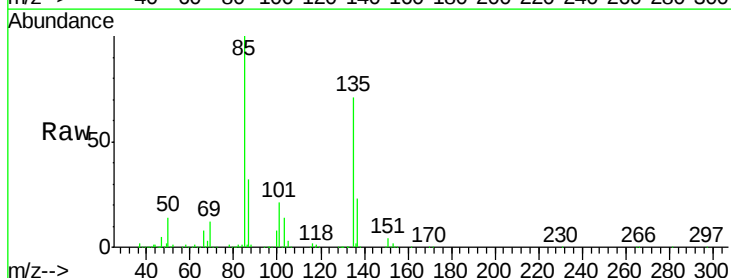
Acq: 1 Oct 2021 10:46

Tgt Ion: 85 Resp: 2158788

Ion Ratio Lower Upper

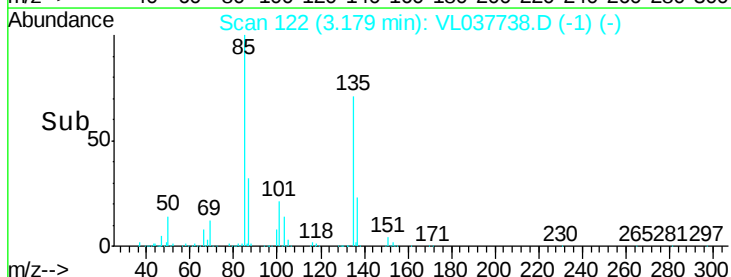
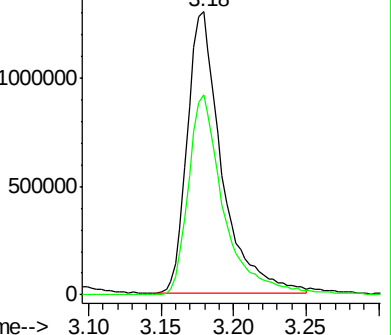
85 100

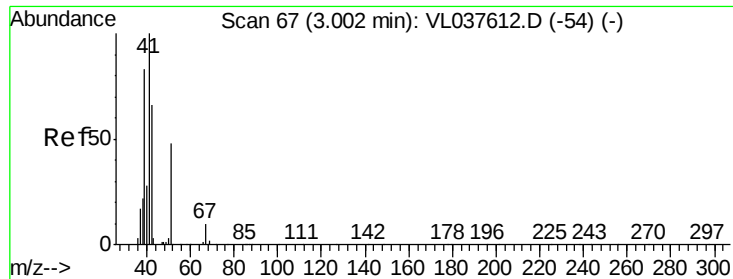
135 73.4 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





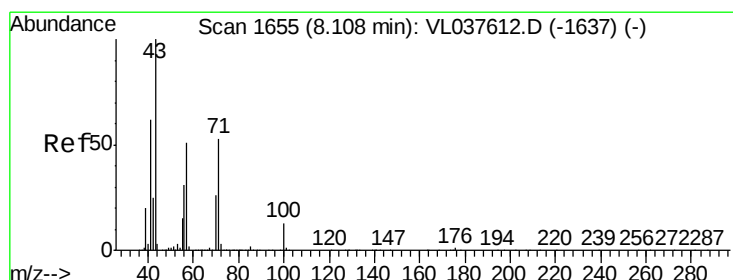
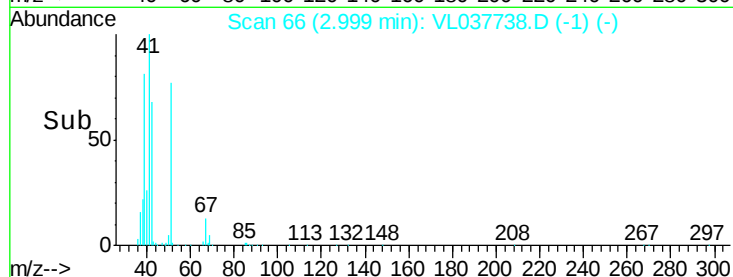
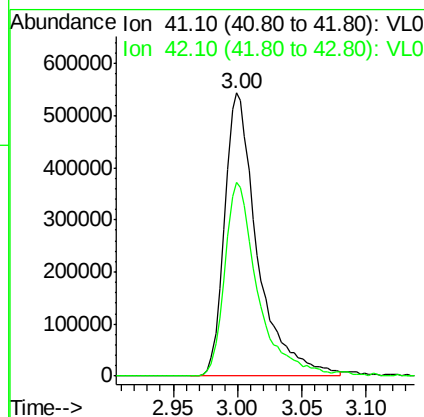
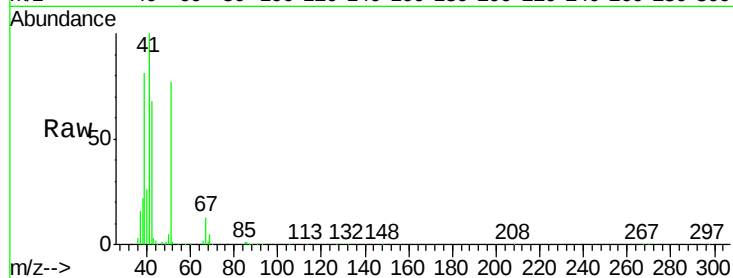
#9
 Propene
 Concen: 10.040 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 965229
 Ion Ratio Lower Upper
 41 100
 42 69.7 57.2 85.8

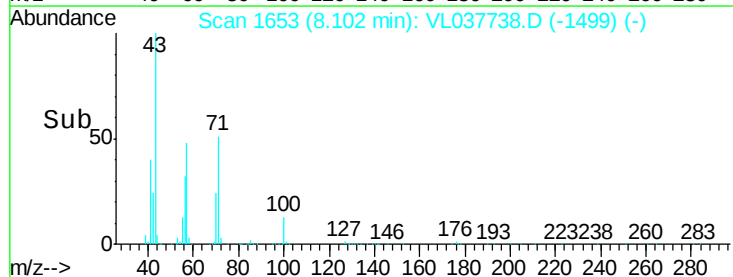
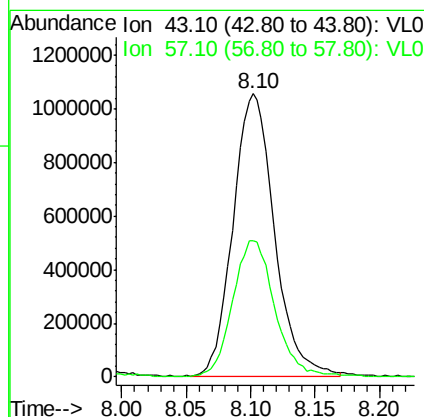
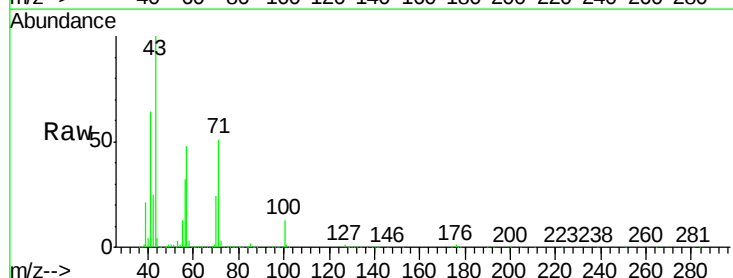
Manual Integrations
 APPROVED

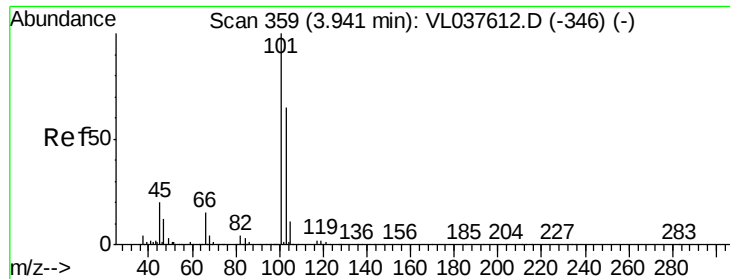
apatel
 10/14/2021 6:07:24 AM



#10
 Heptane
 Concen: 10.432 ppbv
 RT: 8.10 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion: 43 Resp: 2340153
 Ion Ratio Lower Upper
 43 100
 57 49.4 40.1 60.1





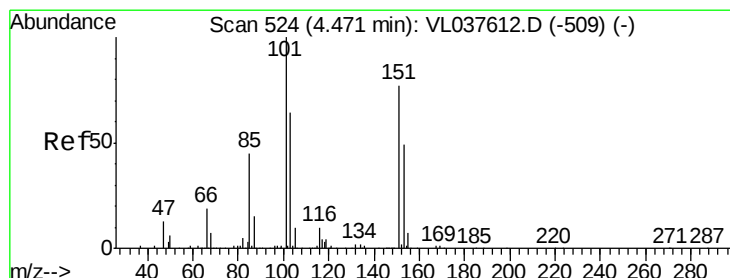
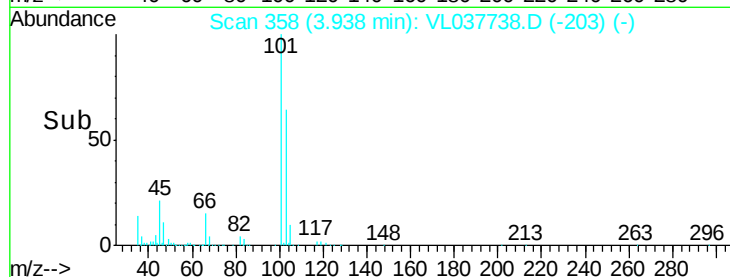
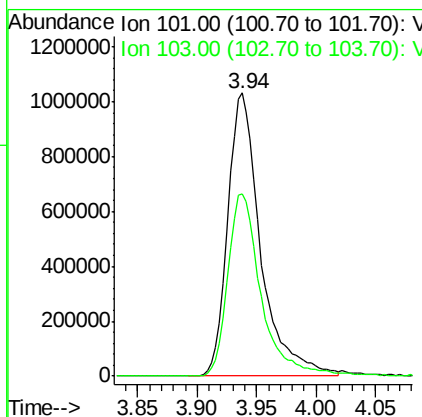
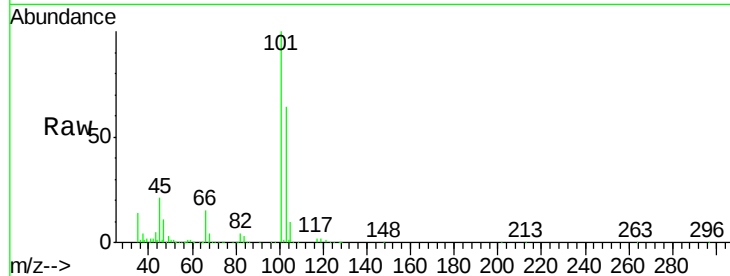
#11
 Trichlorofluoromethane
 Concen: 9.429 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1979113
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.9 77.9

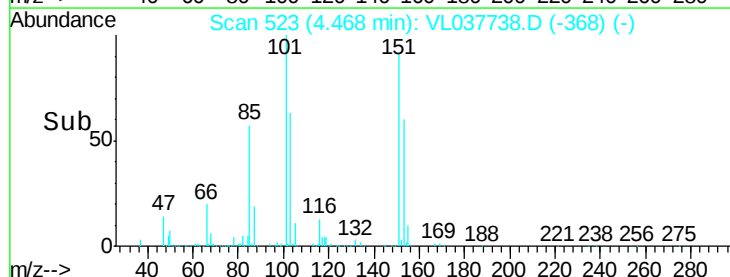
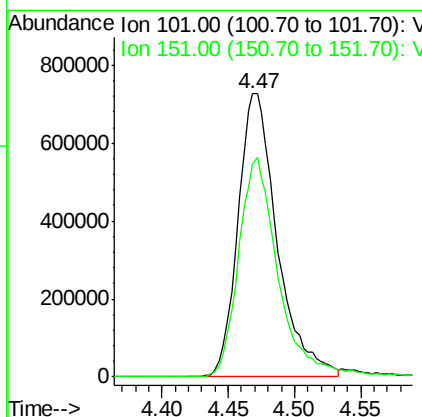
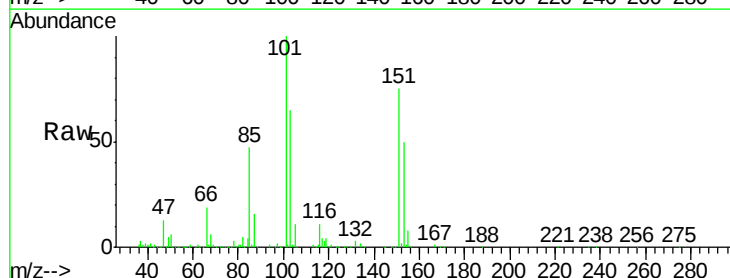
Manual Integrations
 APPROVED

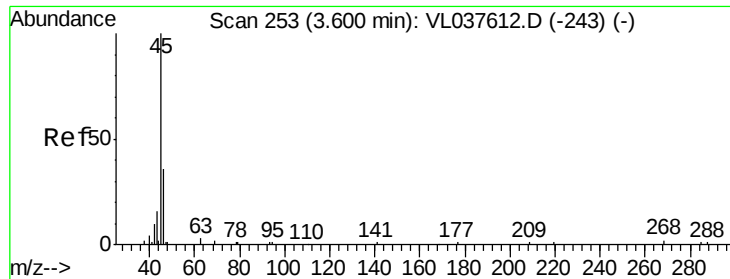
apatel
 10/14/2021 6:07:24 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.668 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion:101 Resp: 1498015
 Ion Ratio Lower Upper
 101 100
 151 78.6 63.5 95.3





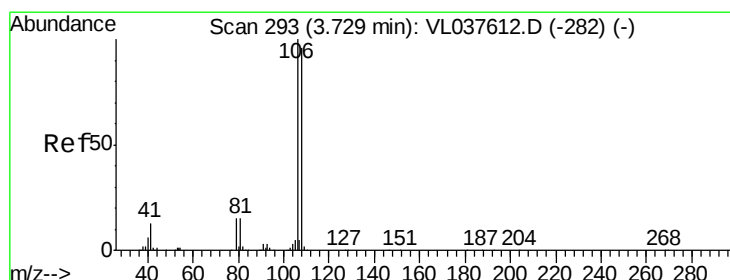
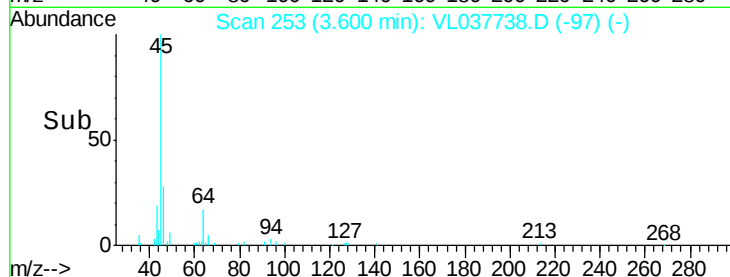
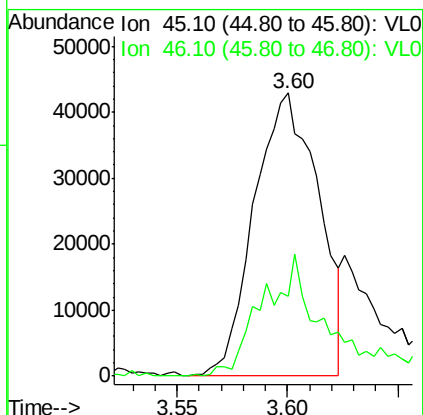
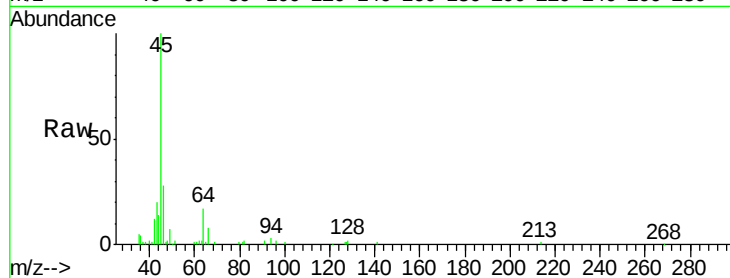
#13
Ethanol
Concen: 9.236 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	48.4	17.2	68.8

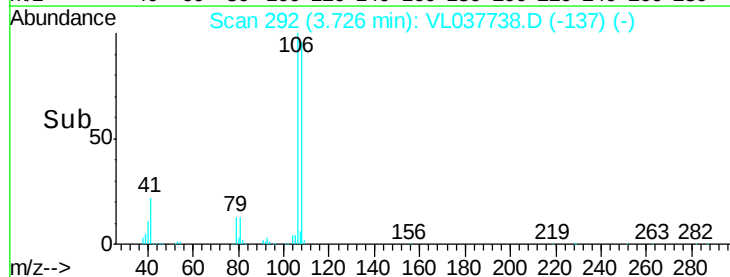
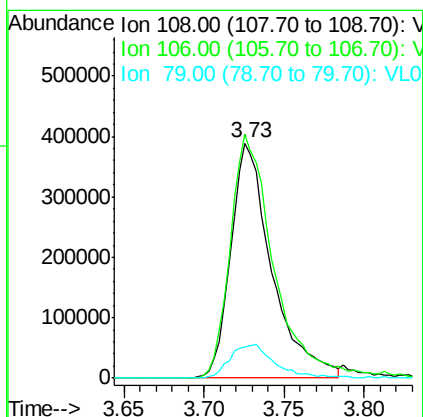
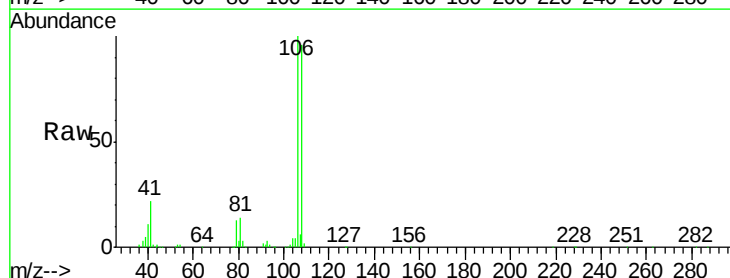
Manual Integrations
APPROVED

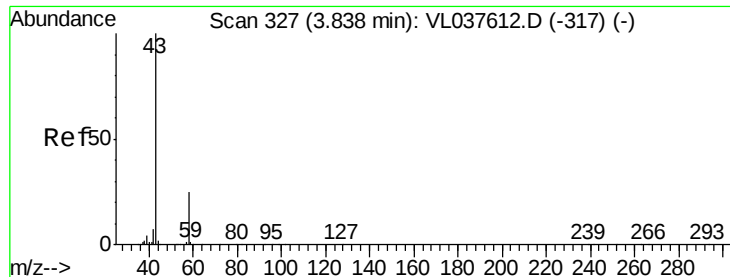
apatel
10/14/2021 6:07:24 AM



#14
Bromoethene
Concen: 9.624 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion	Ratio	Lower	Upper
108	100		
106	112.6	88.2	132.4
79	16.2	12.8	19.2





#15

Acetone

Concen: 7.481 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1123014

Ion Ratio Lower Upper

43 100

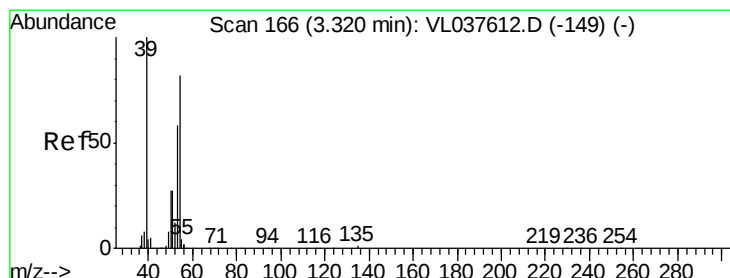
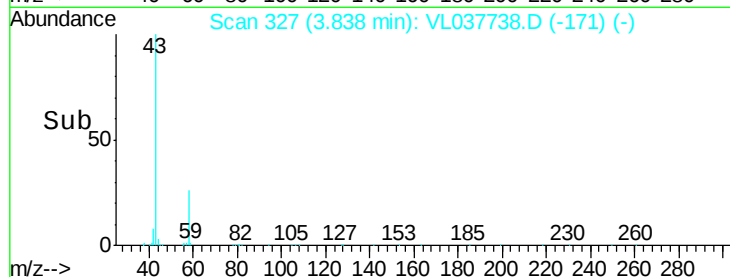
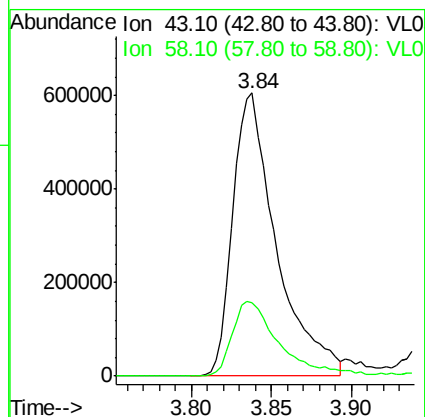
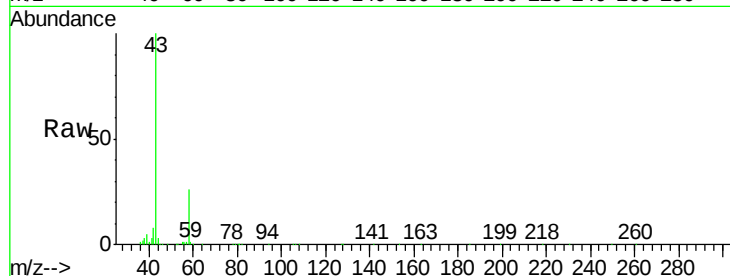
58 28.7 24.9 37.3

Manual Integrations

APPROVED

apatel

10/14/2021 6:07:24 AM



#16

1,3-Butadiene

Concen: 10.090 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037738.D

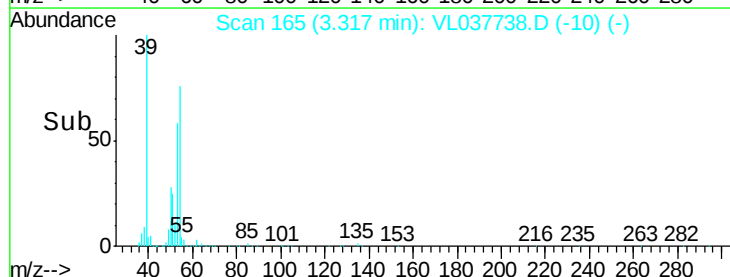
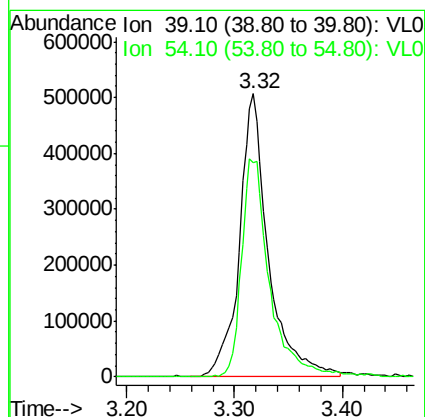
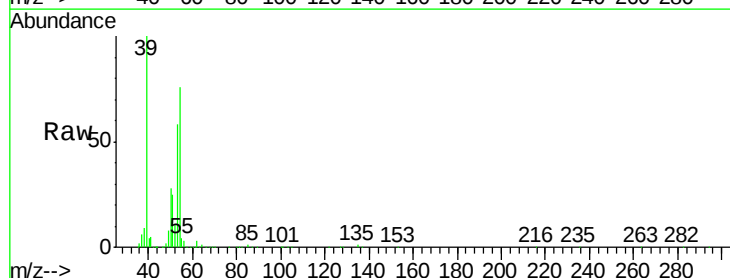
Acq: 1 Oct 2021 10:46

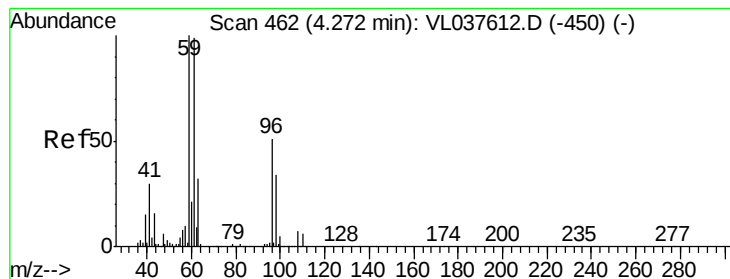
Tgt Ion: 39 Resp: 946525

Ion Ratio Lower Upper

39 100

54 75.6 62.6 93.8





#17

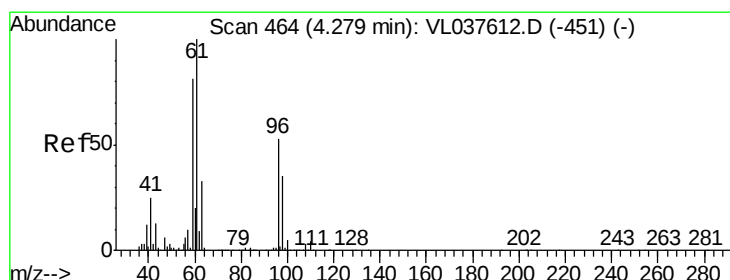
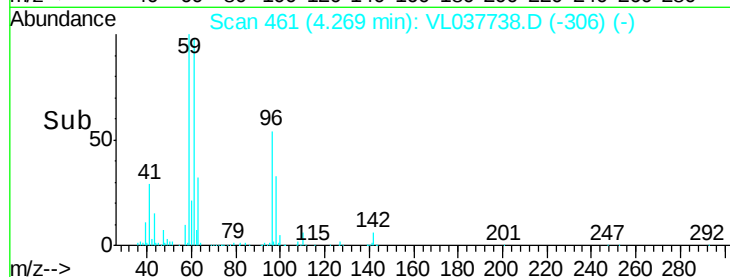
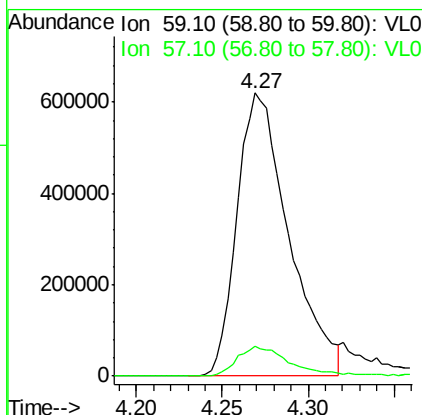
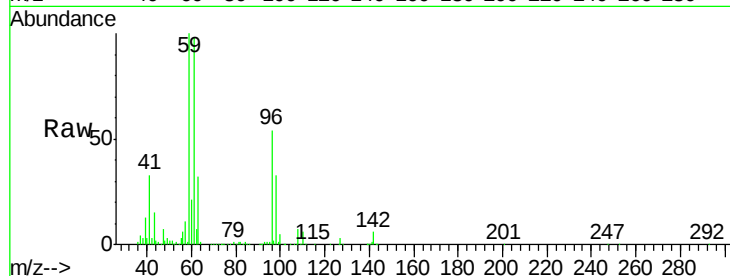
tert-Butyl alcohol
Concen: 10.217 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1300626
Ion Ratio Lower Upper
59 100
57 11.4 8.4 12.6

Manual Integrations
APPROVED

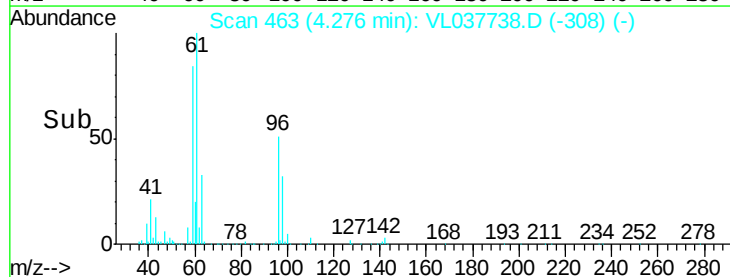
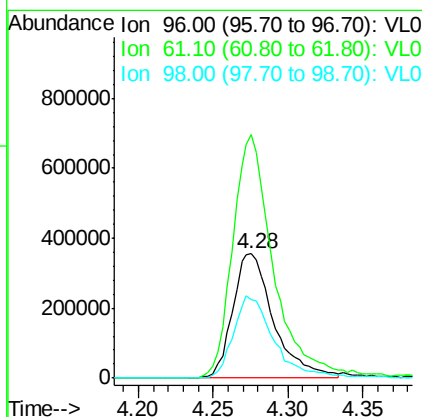
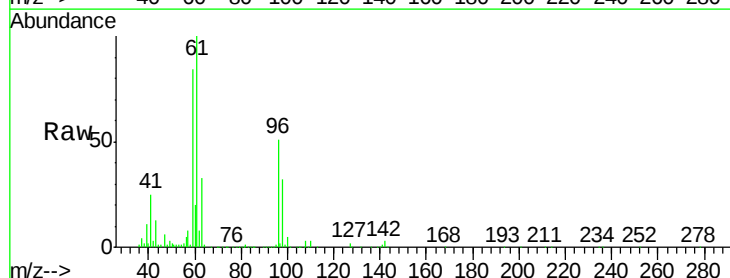
apatel
10/14/2021 6:07:24 AM

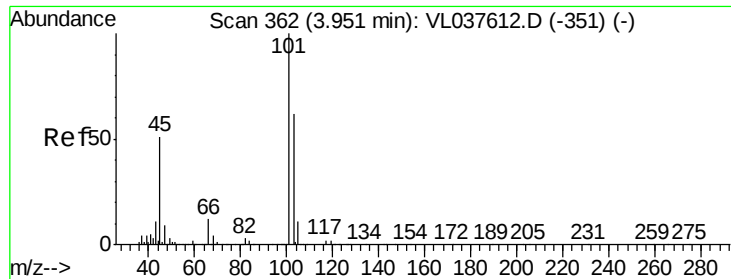


#18

1,1-Dichloroethene
Concen: 9.423 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 96 Resp: 680153
Ion Ratio Lower Upper
96 100
61 195.8 150.4 225.6
98 63.3 52.1 78.1





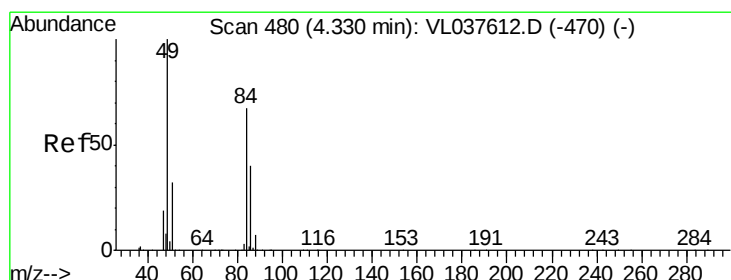
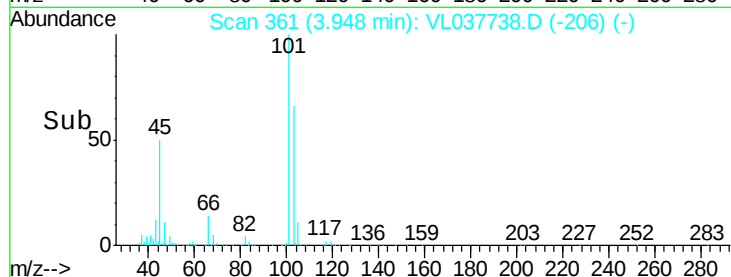
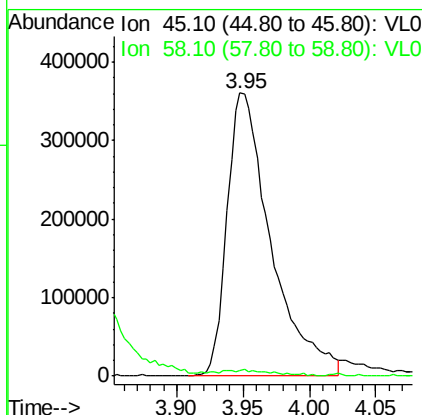
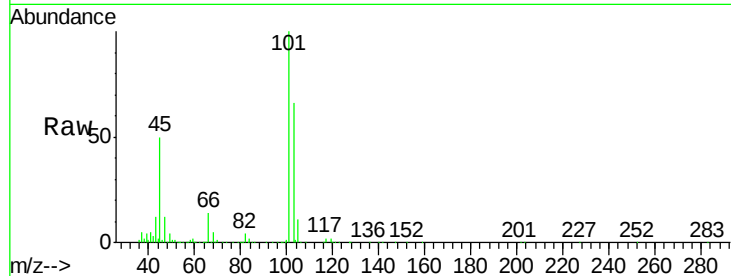
#19
Isopropyl Alcohol
Concen: 10.209 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	58	Ratio	100	2.3	Resp	833900	Lower	Upper
45	100								
58		2.3						2.9	4.3#

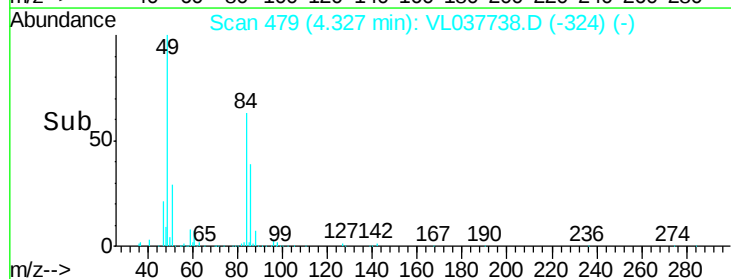
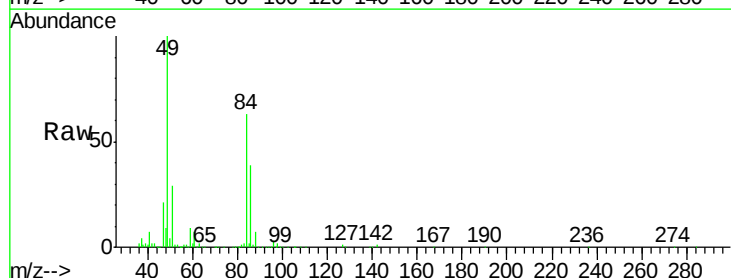
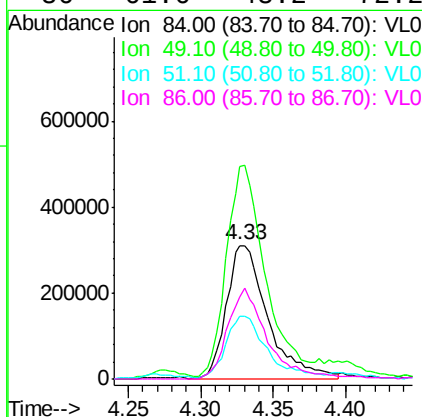
Manual Integrations
APPROVED

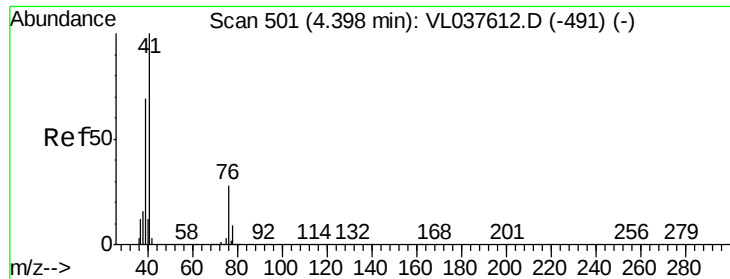
apatel
10/14/2021 6:07:24 AM



#20
Methylene Chloride
Concen: 8.455 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion	84	49	51	86	Ratio	100	157.1	45.4	61.6	Resp	605933	Lower	Upper
84	100												
49		157.1					120.0					180.0	
51		45.4					38.0					57.0	
86		61.6					48.2					72.2	





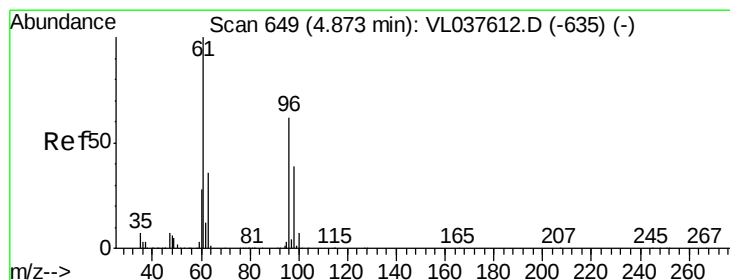
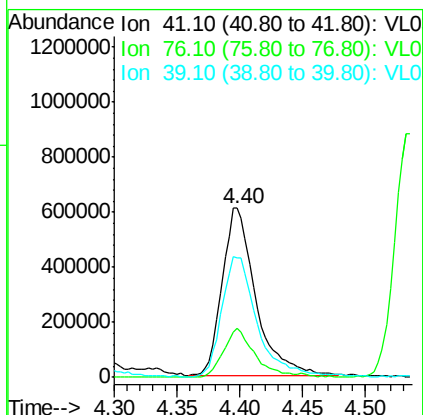
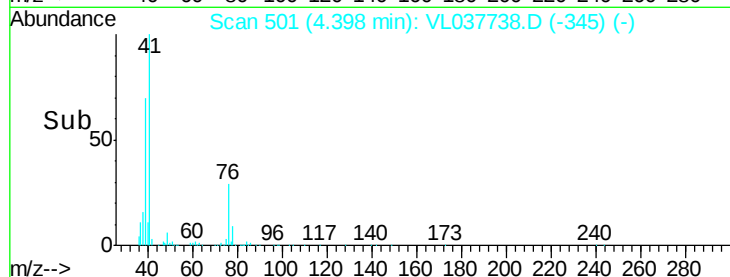
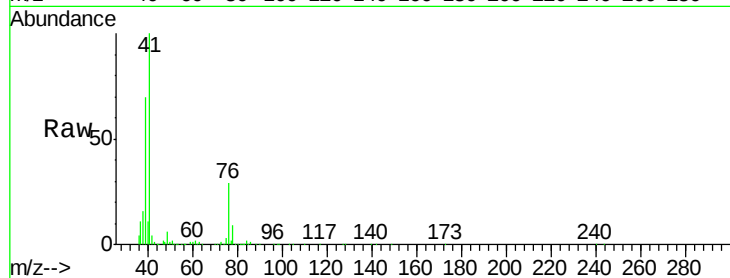
#21
Allvl Chloride
Concen: 10.071 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1129487
Ion Ratio Lower Upper
41 100
76 28.4 23.1 34.7
39 75.4 61.0 91.6

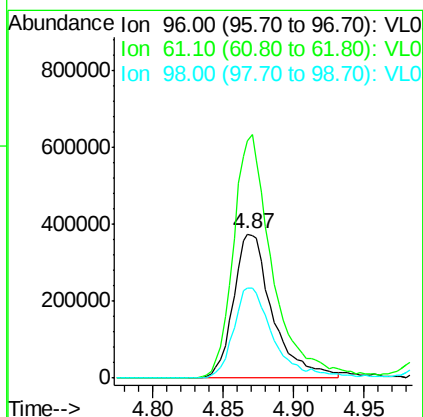
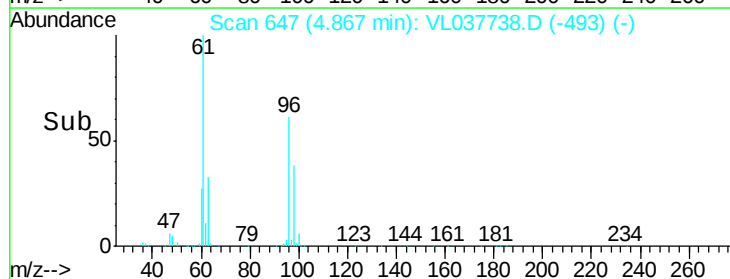
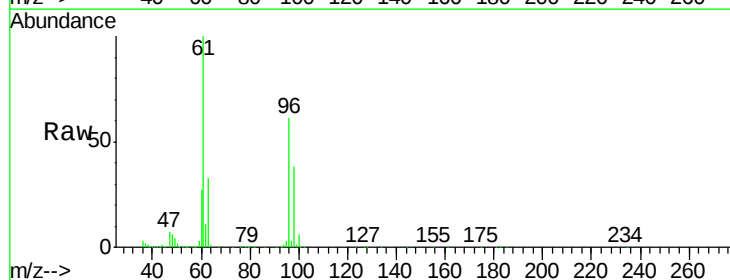
Manual Integrations
APPROVED

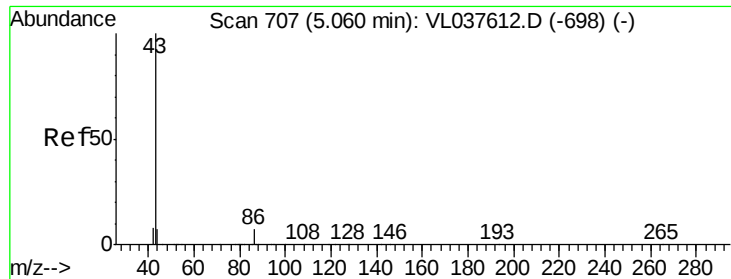
apatel
10/14/2021 6:07:24 AM



#22
trans-1,2-Dichloroethene
Concen: 9.983 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 96 Resp: 724968
Ion Ratio Lower Upper
96 100
61 164.0 129.2 193.8
98 62.1 50.4 75.6





#23

Vinyl Acetate

Concen: 8.758 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

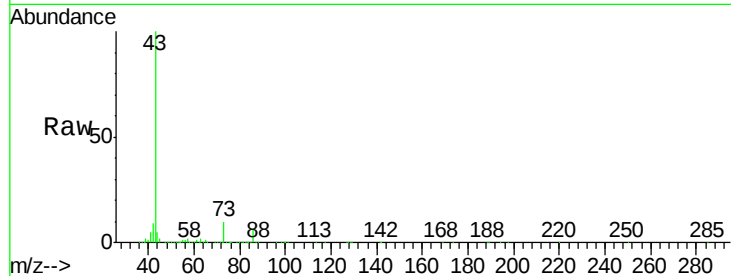
Tot Ion: 43 Resp: 1819346

Ion Ratio Lower Upper

43	100		
86	6.5	5.0	7.6
42	8.8	7.5	11.3
44	4.4	4.7	7.1

Manual Integrations
APPROVED

apatel
10/14/2021 6:07:24 AM

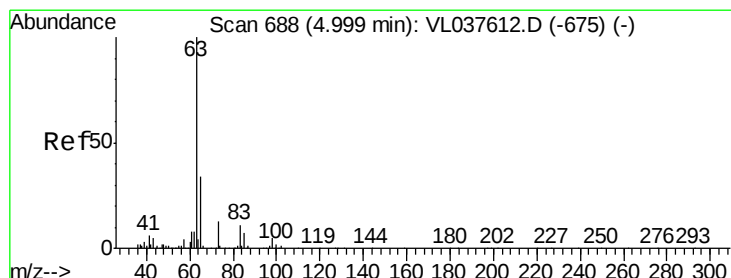
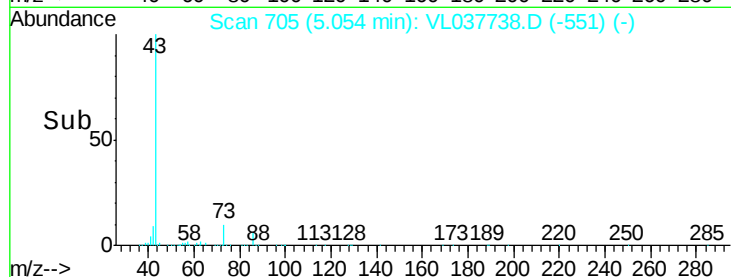
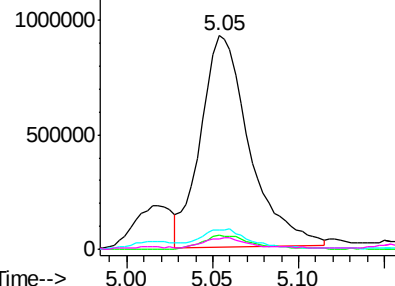


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.462 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.00 min

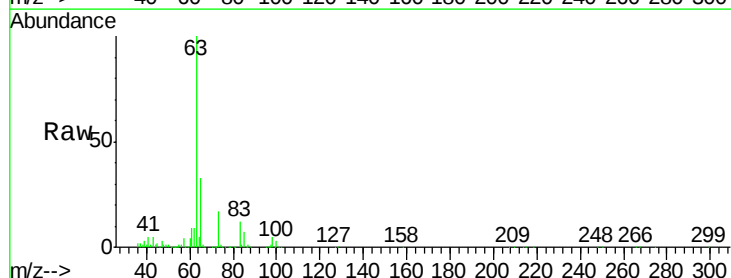
Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Tgt Ion: 63 Resp: 1408095

Ion Ratio Lower Upper

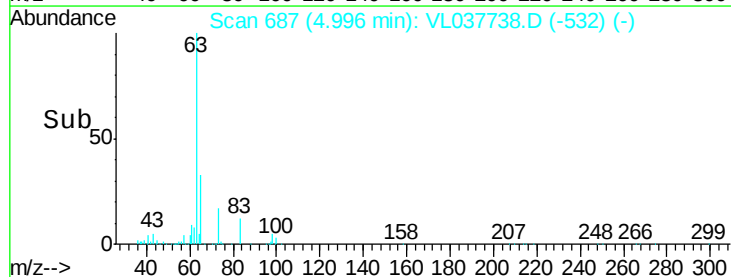
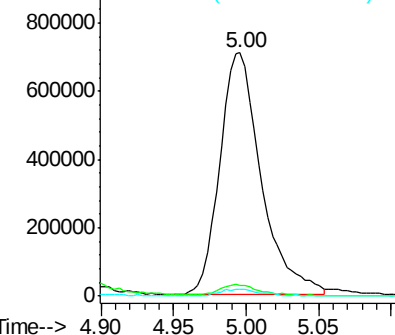
63	100		
98	4.2	2.4	7.2
100	2.6	1.1	3.5

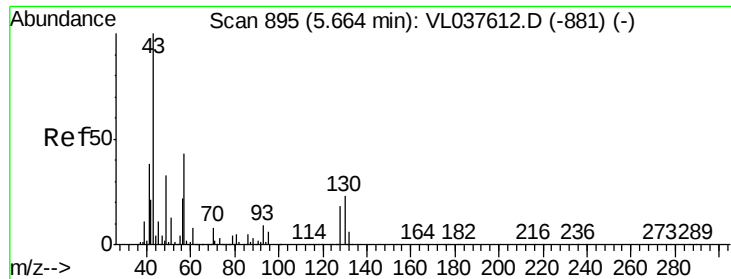


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





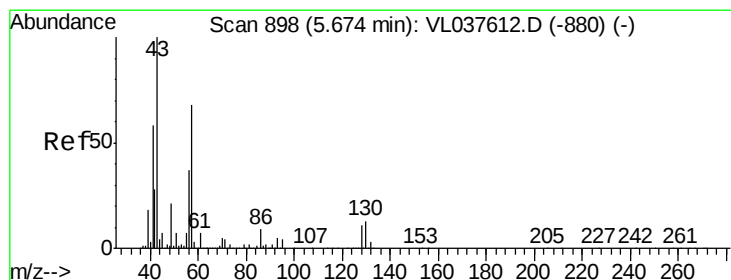
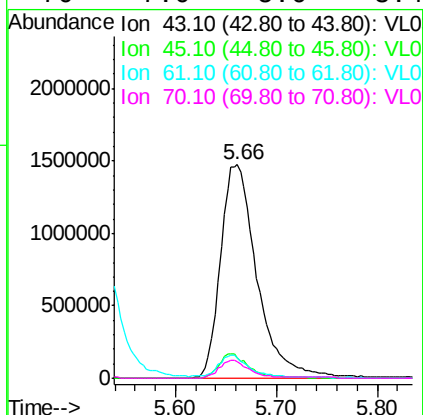
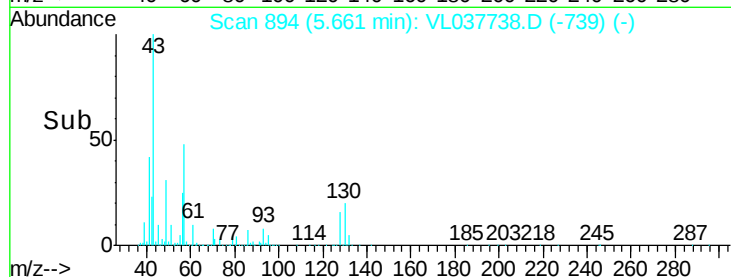
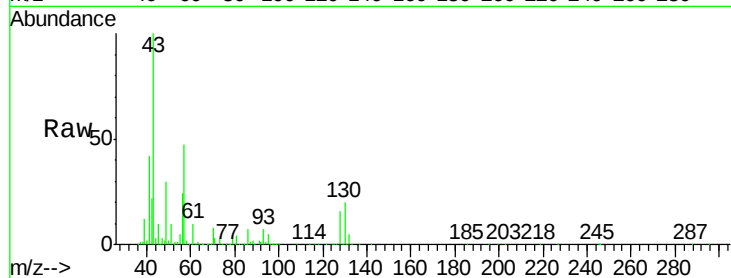
#25
Ethyl Acetate
Concen: 10.178 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.7	7.5	11.3
70	7.0	5.6	8.4

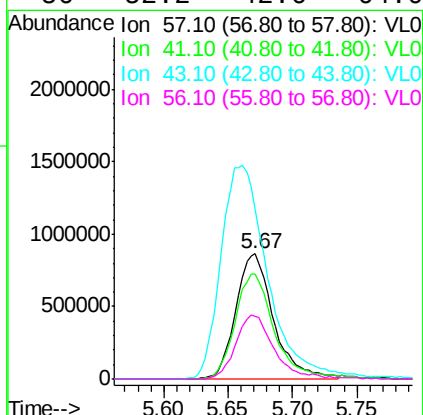
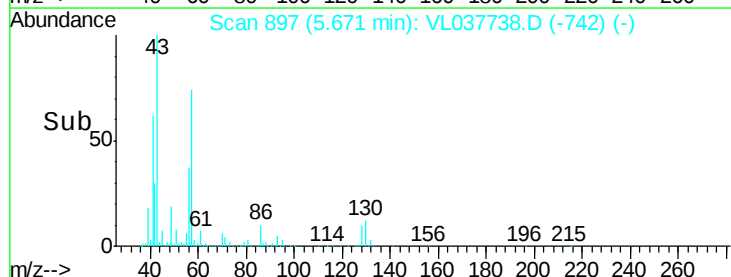
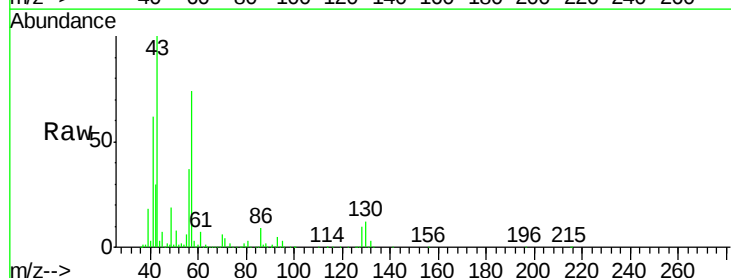
Manual Integrations
APPROVED

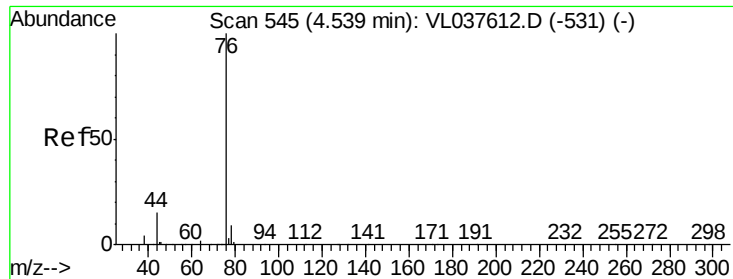
apatel
10/14/2021 6:07:24 AM



#26
Hexane
Concen: 10.194 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.7	70.9	106.3
43	213.3	170.4	255.6
56	52.2	42.6	64.0





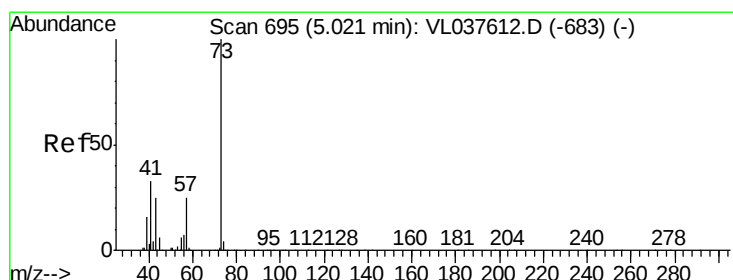
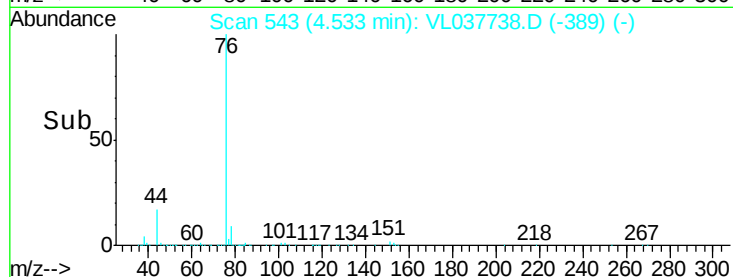
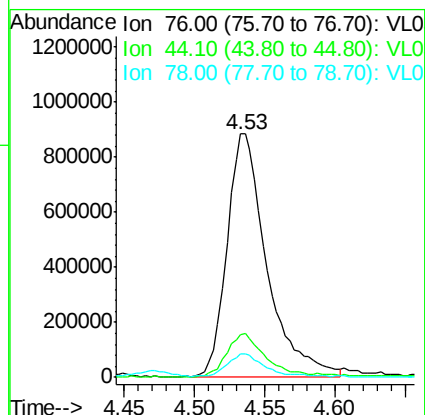
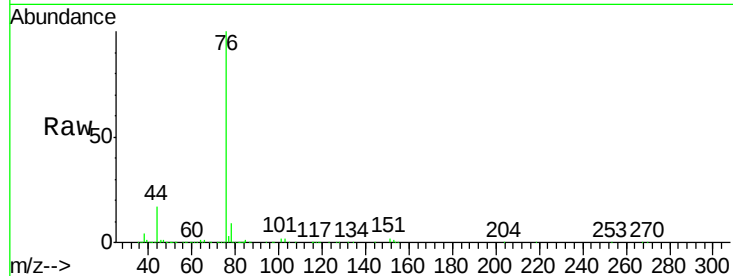
#27
Carbon Disulfide
Concen: 10.972 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.2	21.2
78	10.2	7.4	11.0

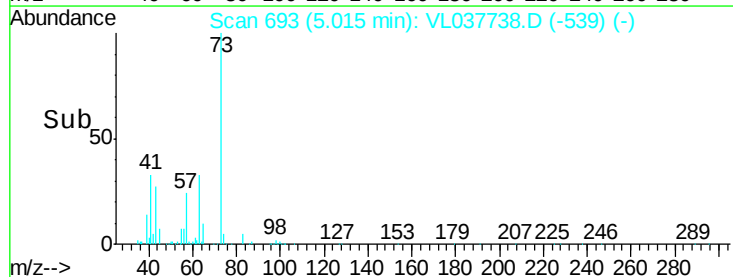
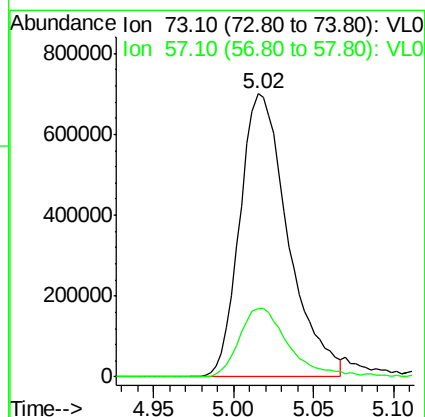
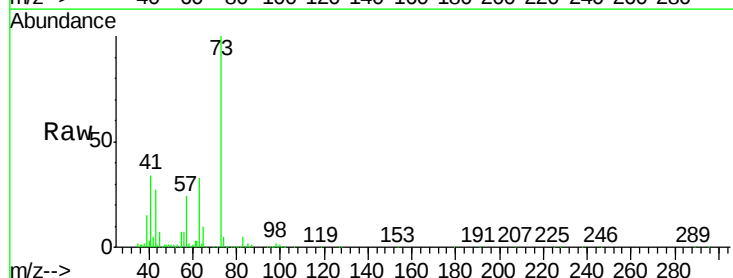
Manual Integrations
APPROVED

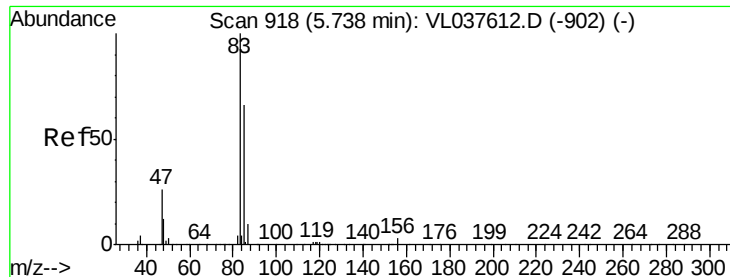
apatel
10/14/2021 6:07:24 AM



#28
Methyl tert-Butyl Ether
Concen: 9.484 ppbv
RT: 5.02 min Scan# 693
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion	Ratio	Lower	Upper
73	100		
57	25.4	20.1	30.1





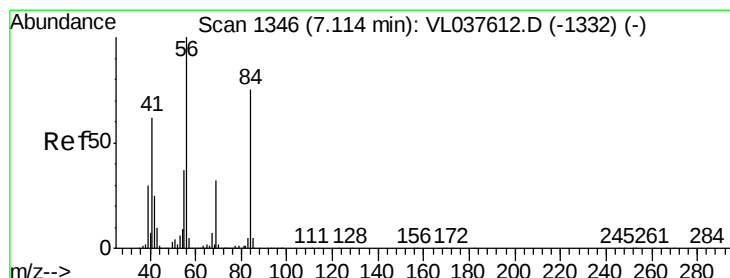
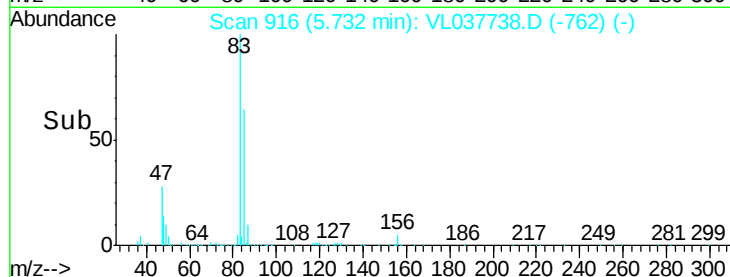
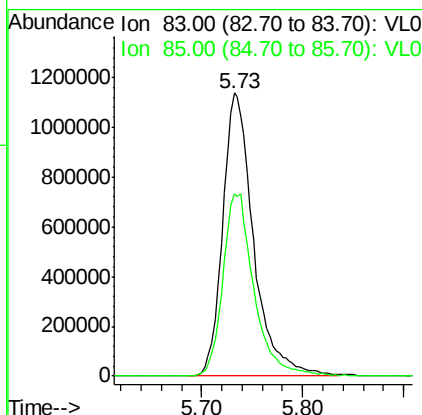
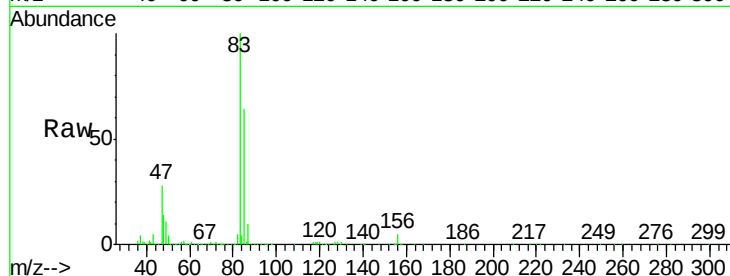
#29
Chloroform
Concen: 9.625 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2427383
Ion Ratio Lower Upper
83 100
85 64.3 52.6 79.0

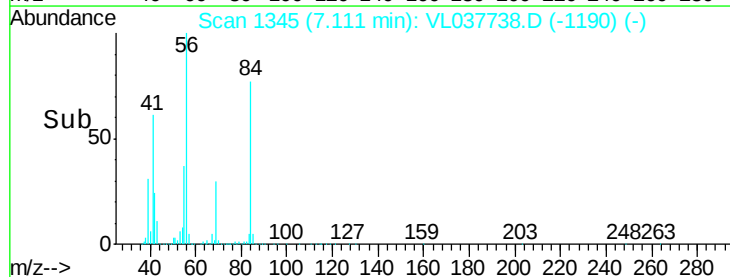
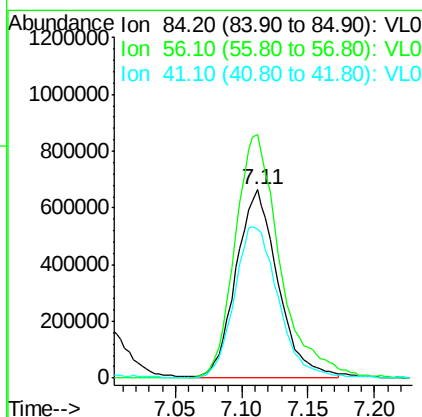
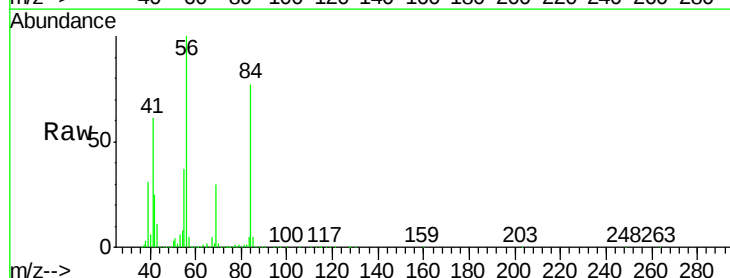
Manual Integrations
APPROVED

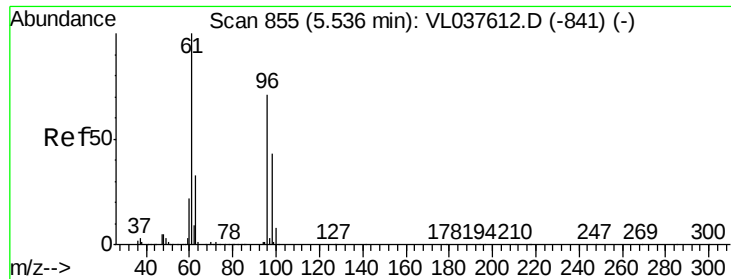
apatel
10/14/2021 6:07:24 AM



#30
Cyclohexane
Concen: 9.866 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 84 Resp: 1457353
Ion Ratio Lower Upper
84 100
56 140.5 113.6 170.4
41 85.4 67.9 101.9





#31

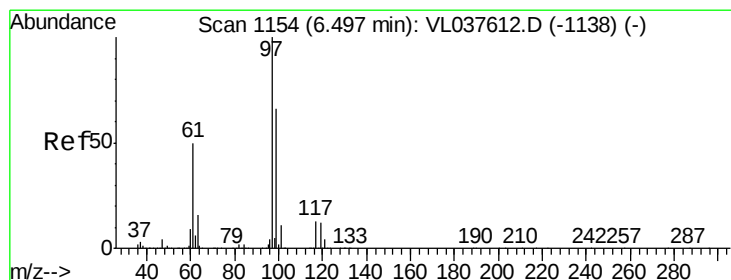
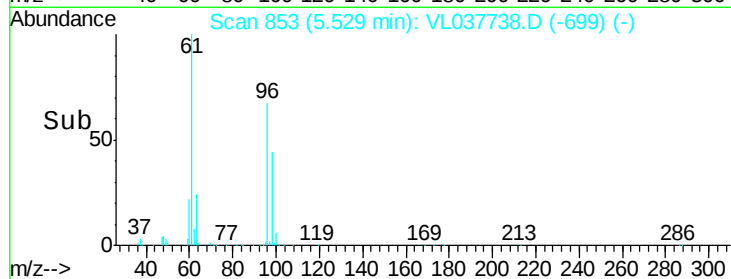
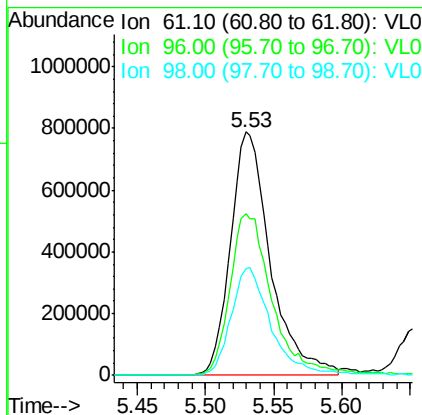
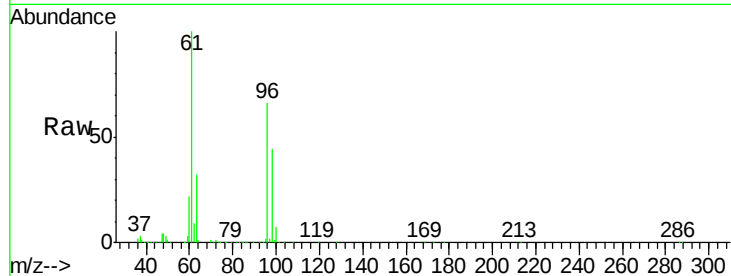
cis-1,2-Dichloroethene
 Concen: 10.221 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.3	56.7	85.1
98	43.6	34.6	52.0

Manual Integrations
 APPROVED

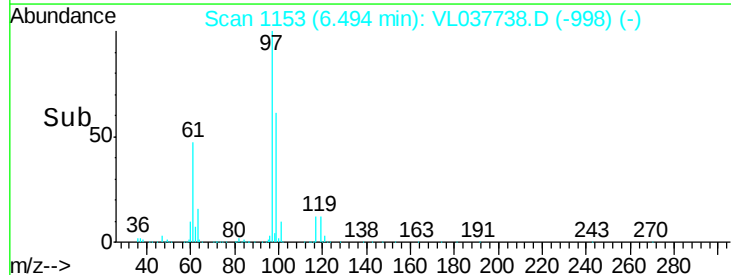
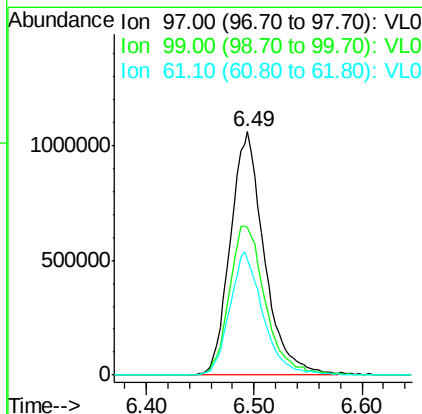
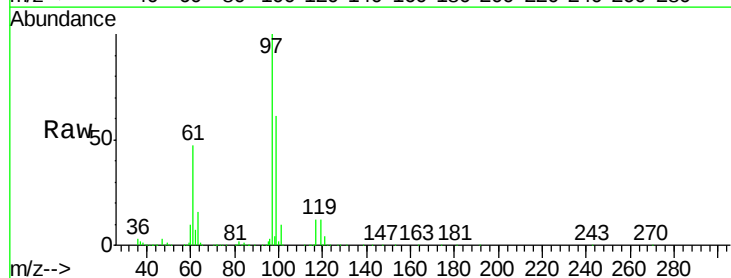
apatel
 10/14/2021 6:07:24 AM

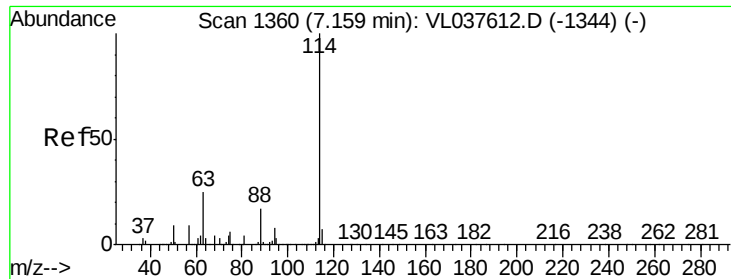


#32

1,1,1-Trichloroethane
 Concen: 9.915 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.3	78.5
61	50.2	39.5	59.3





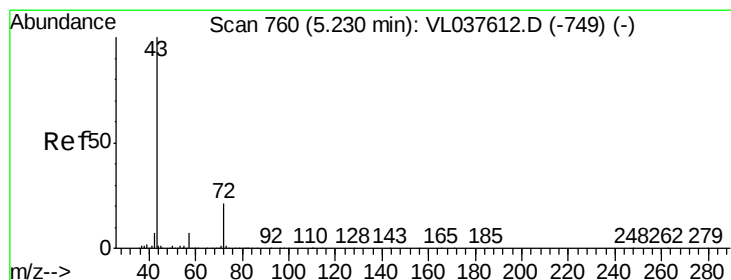
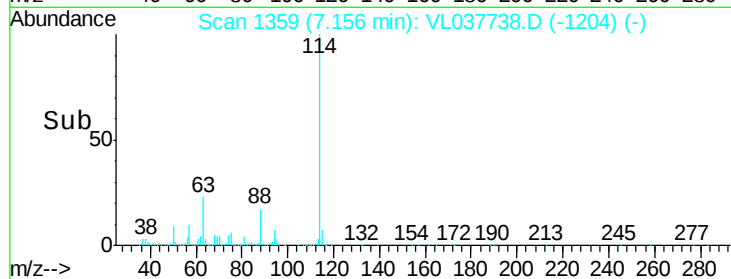
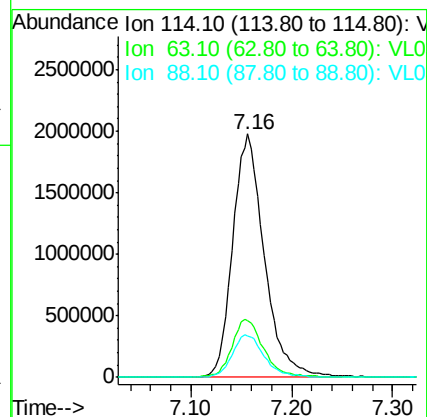
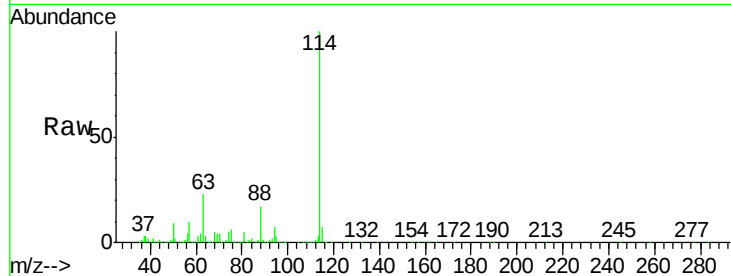
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	17.9	14.2	21.4

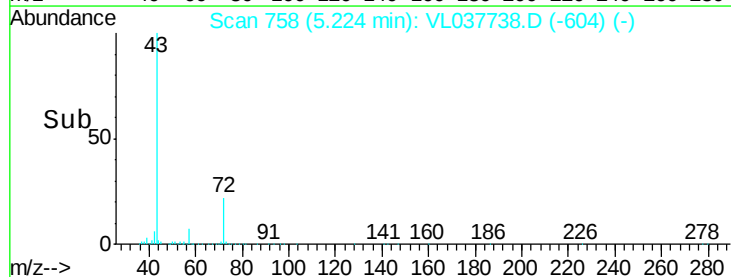
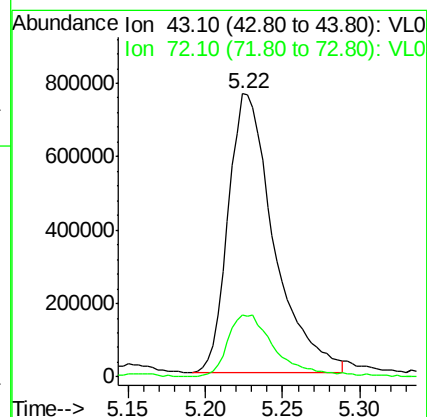
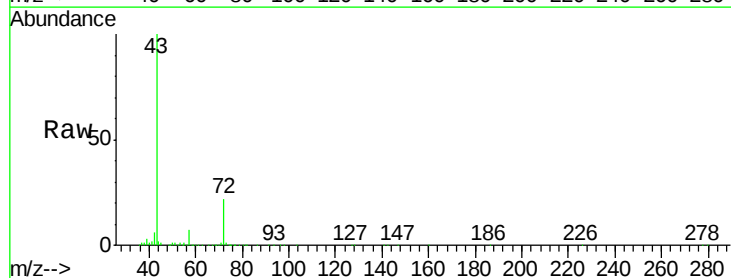
Manual Integrations
 APPROVED

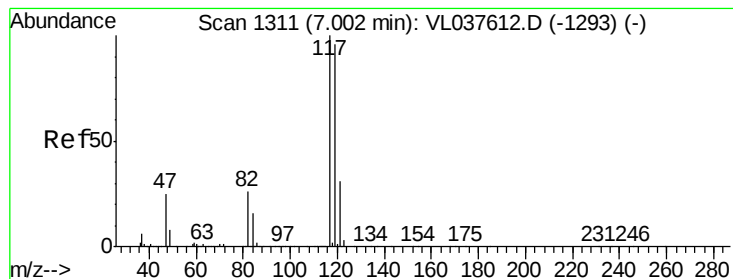
apatel
 10/14/2021 6:07:24 AM



#34
 2-Butanone
 Concen: 8.972 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6





#35

Carbon Tetrachloride

Concen: 9.925 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2421494

Ion Ratio Lower Upper

117 100

119 95.5 77.0 115.6

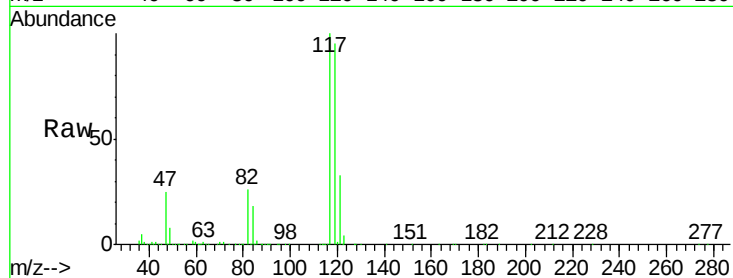
121 32.7 24.5 36.7

Manual Integrations

APPROVED

apatel

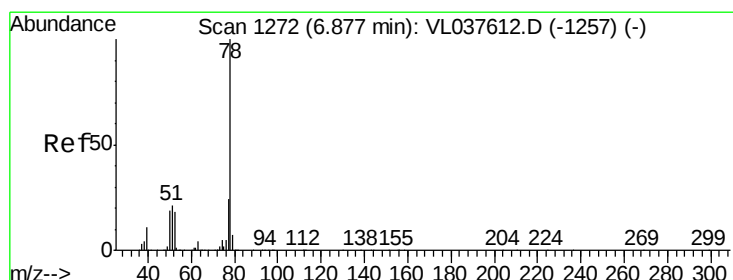
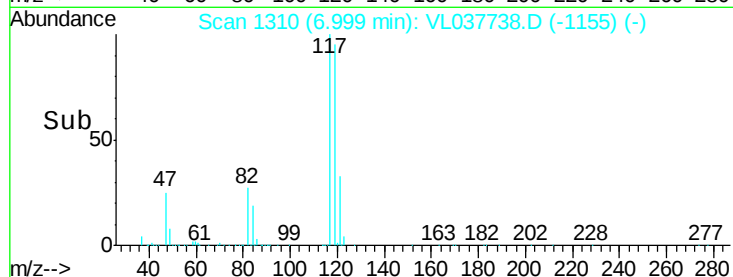
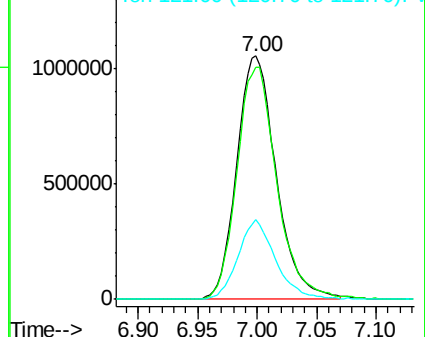
10/14/2021 6:07:24 AM



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: 9.993 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

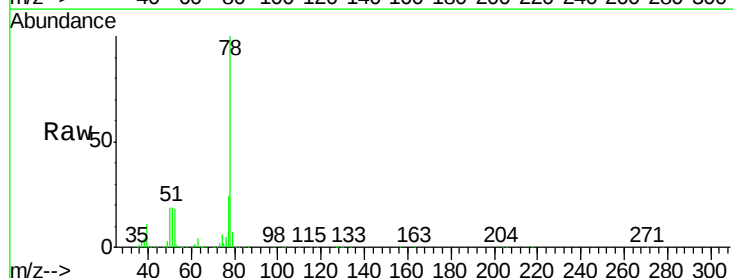
Tgt Ion: 78 Resp: 3593998

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

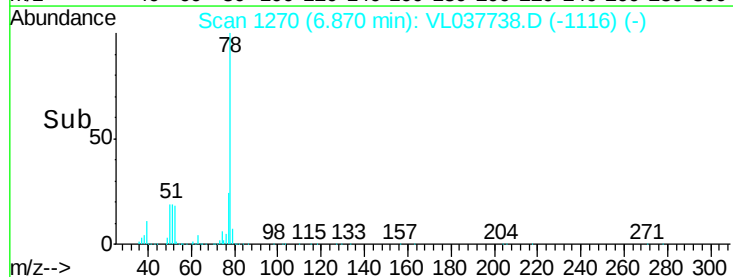
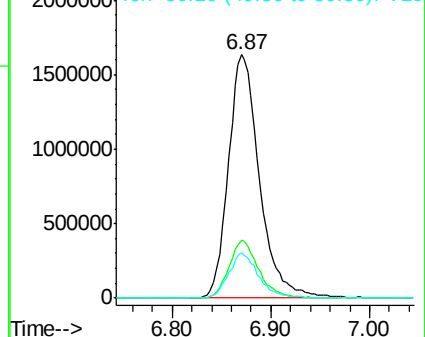
50 18.6 14.8 22.2

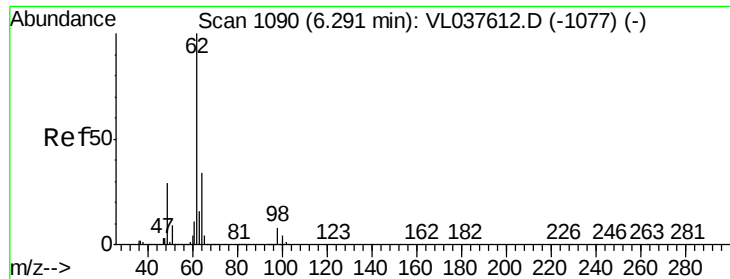


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





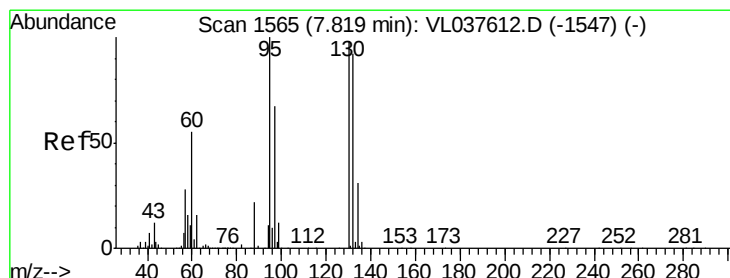
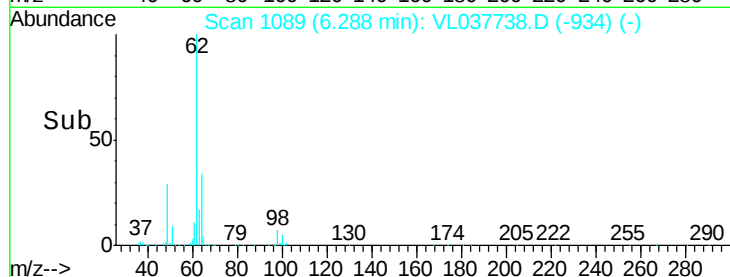
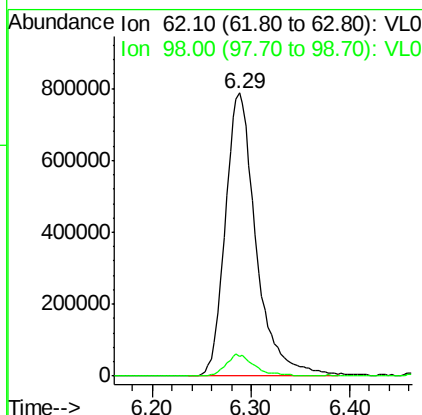
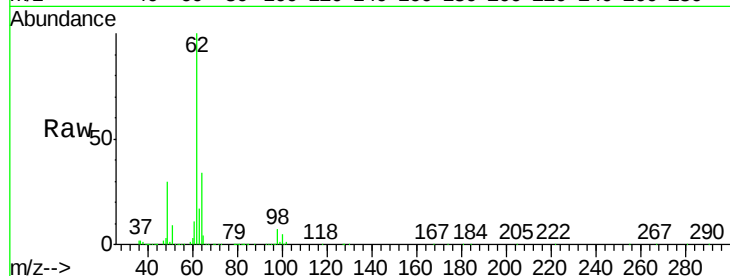
#37
 1,2-Dichloroethane
 Concen: 9.732 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1721405
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.1 9.1

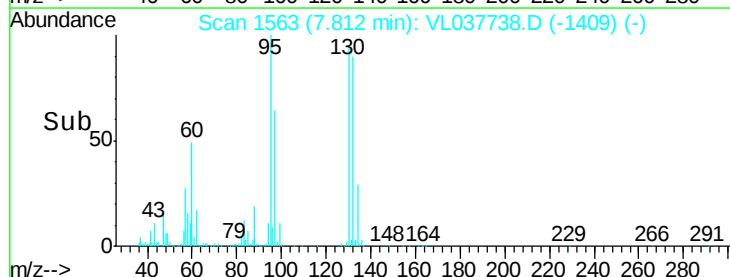
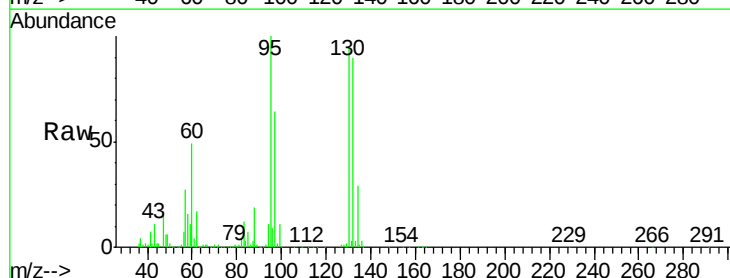
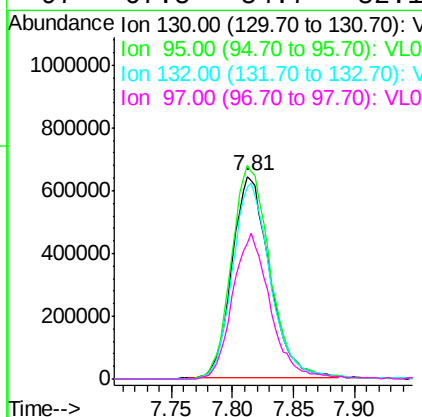
Manual Integrations
 APPROVED

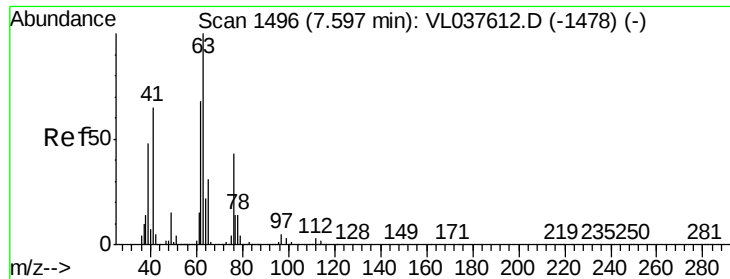
apatel
 10/14/2021 6:07:24 AM



#38
 Trichloroethene
 Concen: 9.198 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion: 130 Resp: 1381922
 Ion Ratio Lower Upper
 130 100
 95 105.9 81.8 122.6
 132 95.1 75.3 112.9
 97 67.5 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.990 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

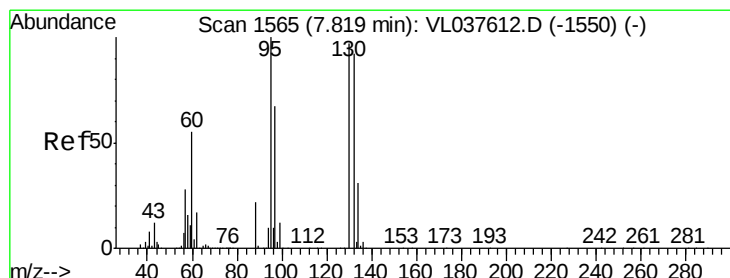
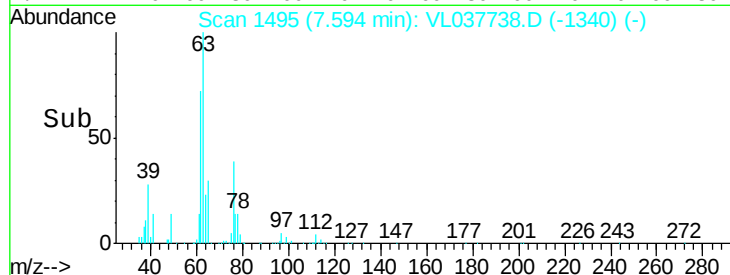
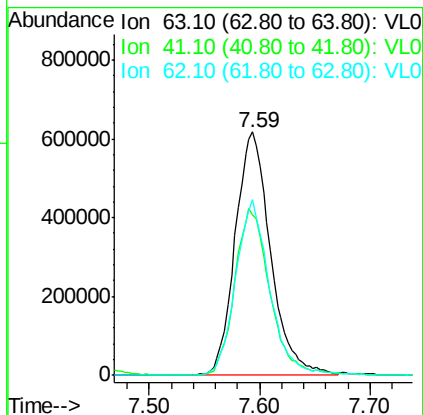
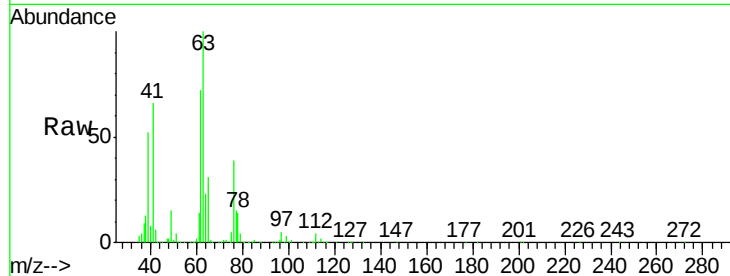
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	1376201
Ion	Ratio	Lower	Upper
63	100		
41	65.7	51.6	77.4
62	72.3	54.6	81.8

Manual Integrations
APPROVED

apatel
10/14/2021 6:07:24 AM



#40

1,4-Dioxane

Concen: 9.750 ppbv

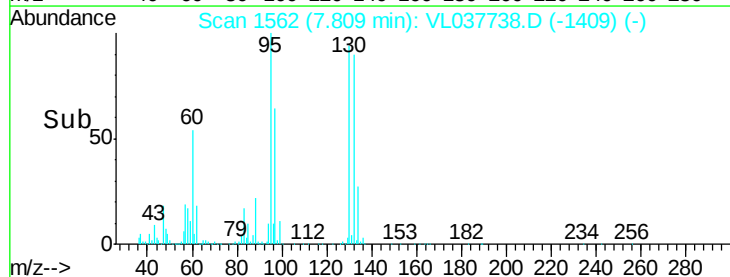
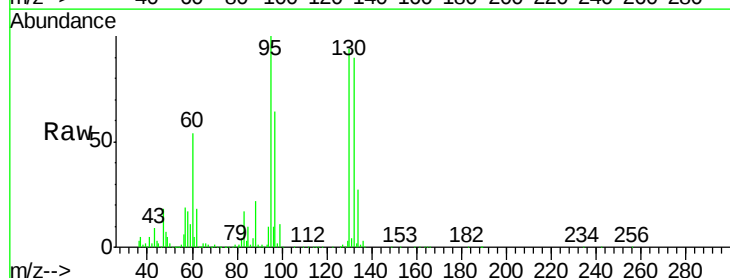
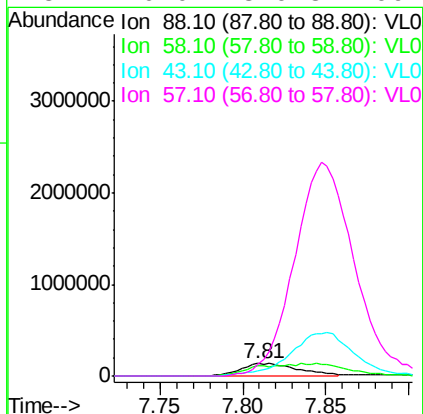
RT: 7.81 min Scan# 1562

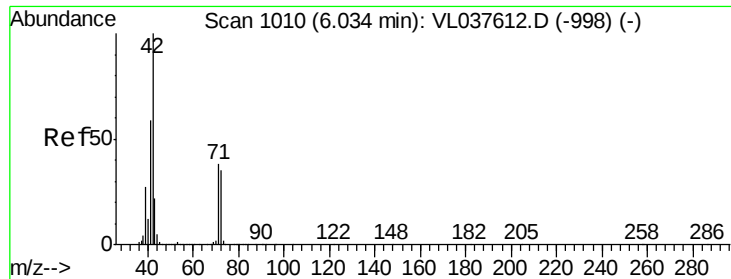
Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Tgt Ion:	88	Resp:	326723
Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.4	183.6#
43	0.0	297.4	446.0#
57	0.0	1329.8	1994.8#





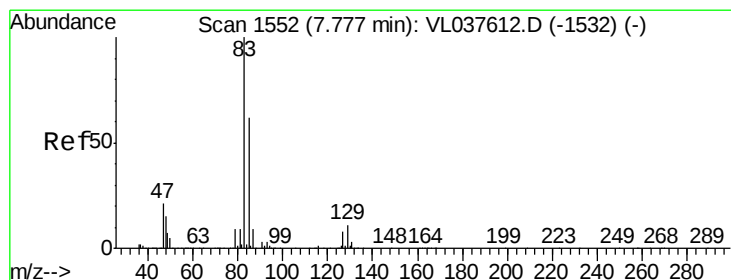
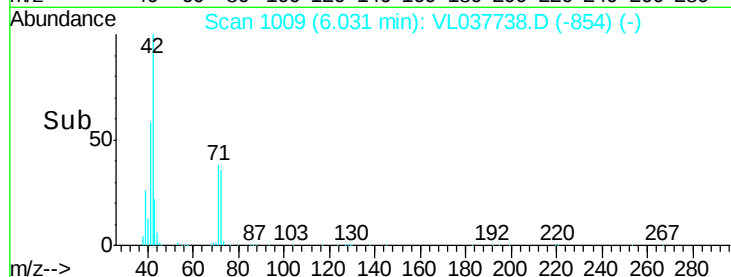
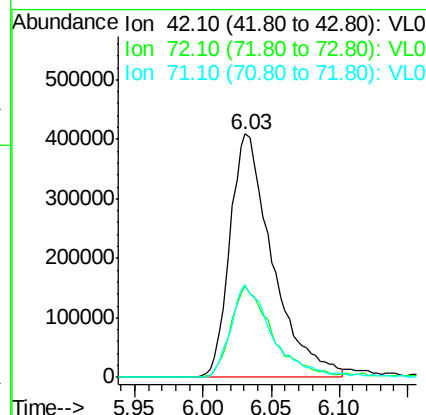
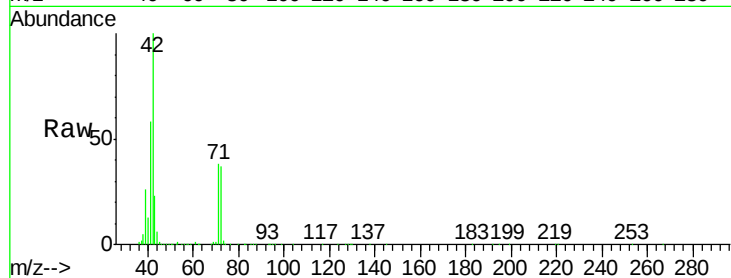
#41
Tetrahydrofuran
Concen: 10.767 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.4	47.2
71	38.0	30.6	46.0

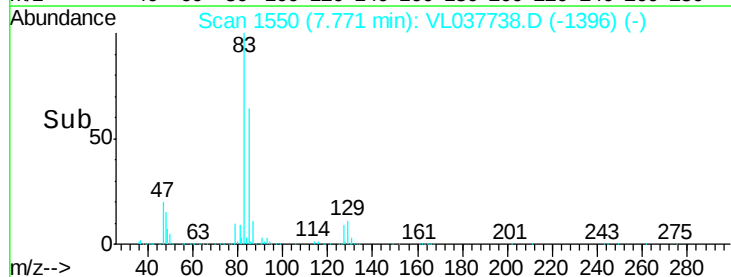
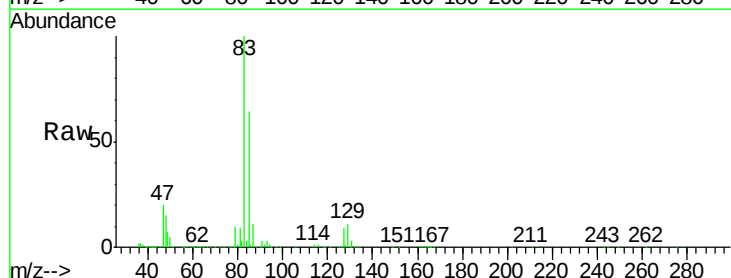
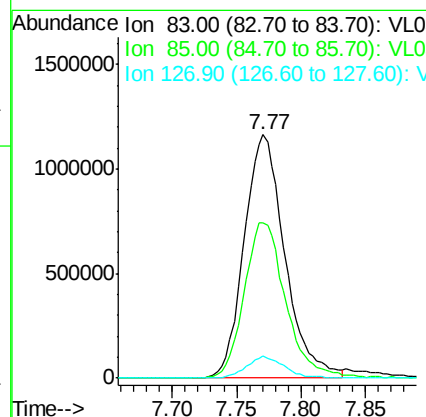
Manual Integrations
APPROVED

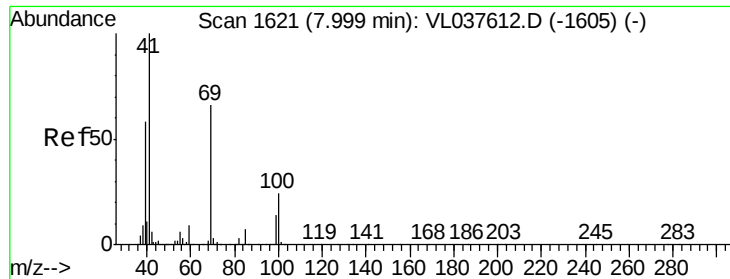
apatel
10/14/2021 6:07:24 AM



#42
Bromodichloromethane
Concen: 10.102 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.8	74.6
127	8.9	6.4	9.6





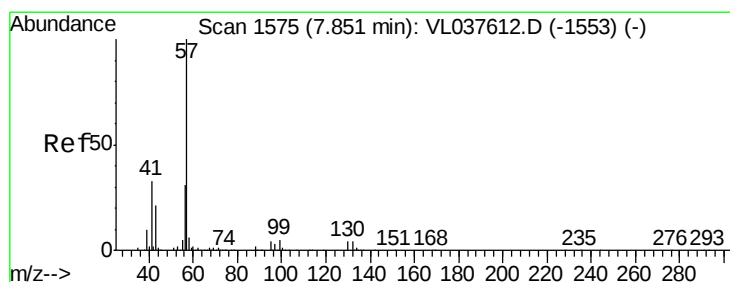
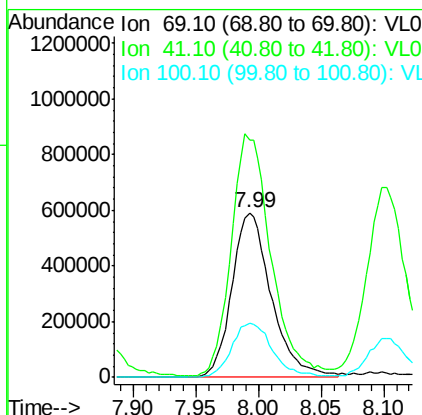
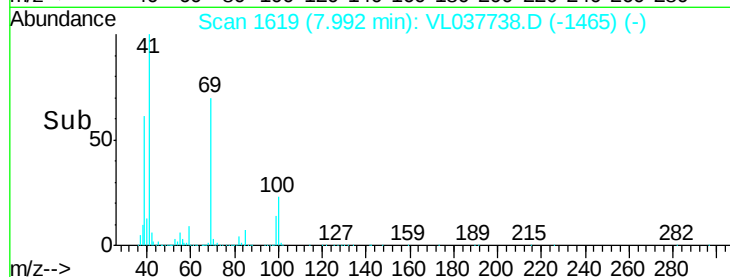
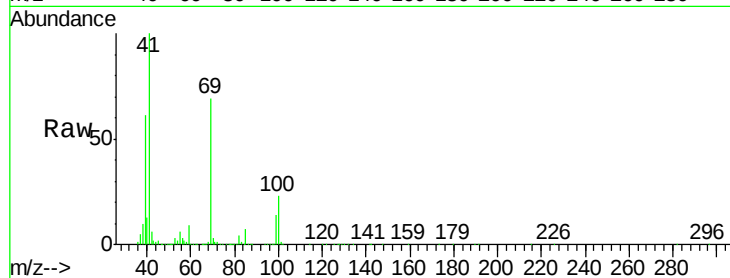
#43
Methvl Methacrvlate
Concen: 10.814 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1293932
Ion Ratio Lower Upper
69 100
41 149.2 119.0 178.4
100 34.5 27.6 41.4

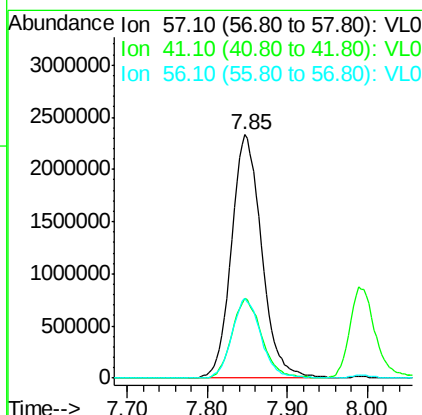
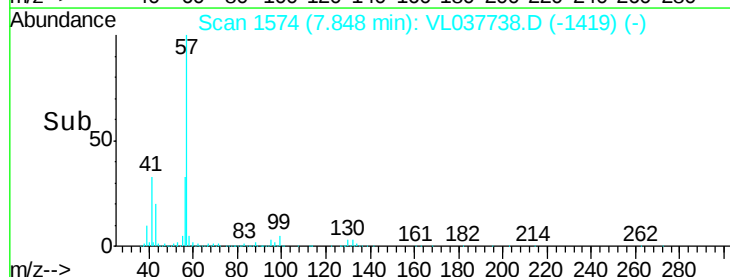
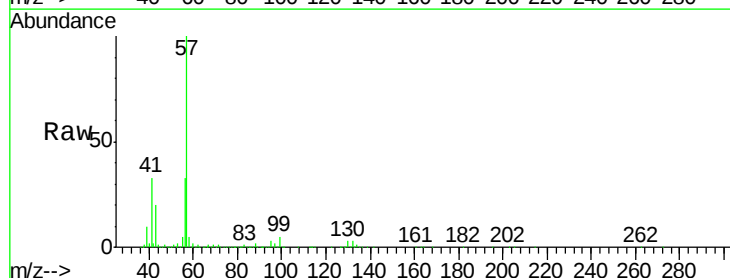
Manual Integrations
APPROVED

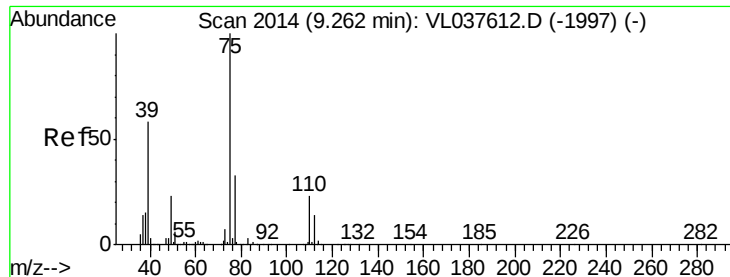
apatel
10/14/2021 6:07:24 AM



#44
2,2,4-Trimethylpentane
Concen: 9.841 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 57 Resp: 5950319
Ion Ratio Lower Upper
57 100
41 32.3 26.1 39.1
56 31.7 25.7 38.5





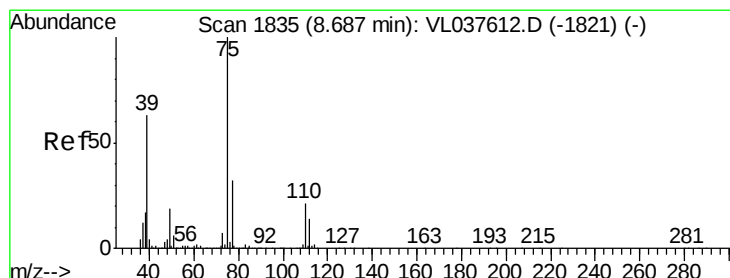
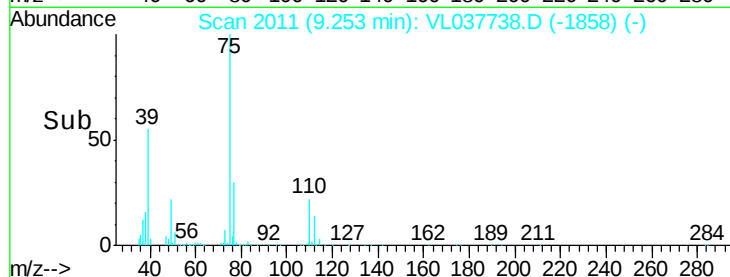
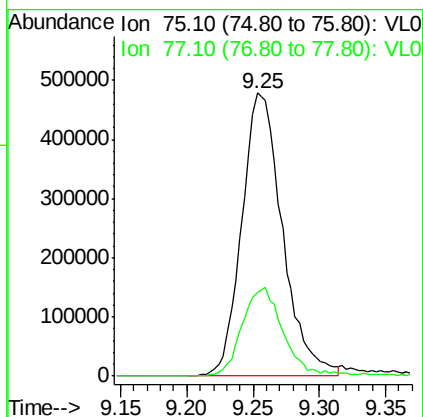
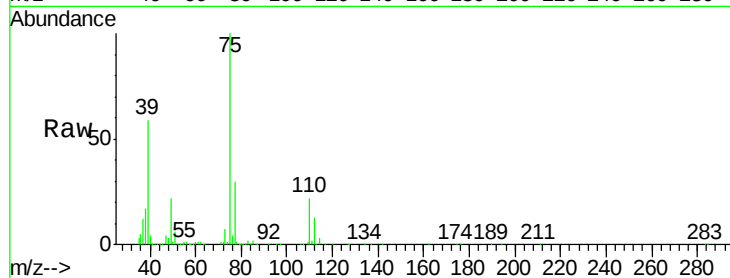
#45
t-1,3-Dichloropropene
Concen: 10.872 ppbv
RT: 9.25 min Scan# 2011
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1021758
Ion Ratio Lower Upper
75 100
77 29.5 26.3 39.5

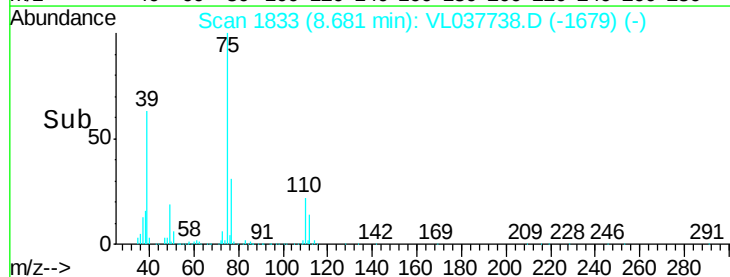
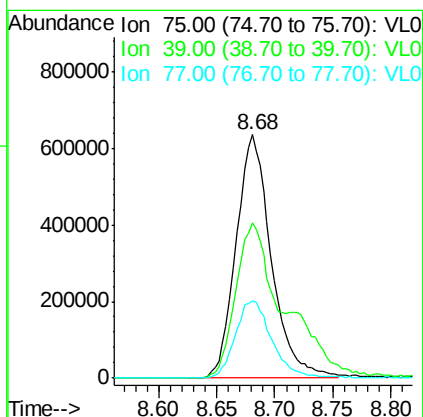
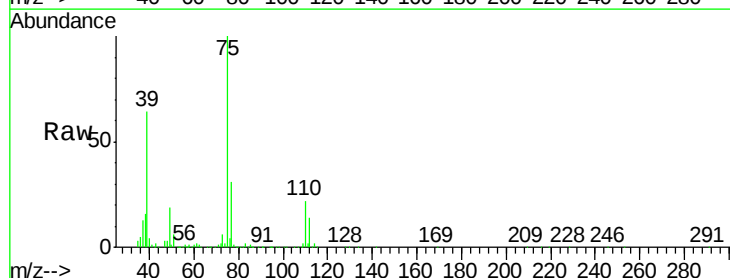
Manual Integrations
APPROVED

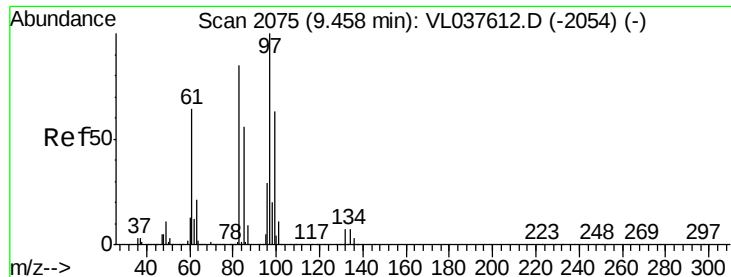
apatel
10/14/2021 6:07:24 AM



#46
cis-1,3-Dichloropropene
Concen: 10.578 ppbv
RT: 8.68 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 75 Resp: 1342875
Ion Ratio Lower Upper
75 100
39 63.6 50.2 75.4
77 31.5 25.2 37.8





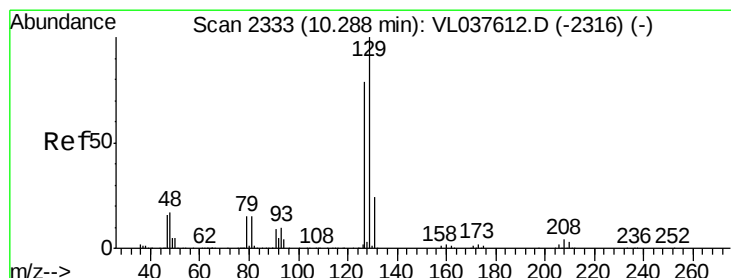
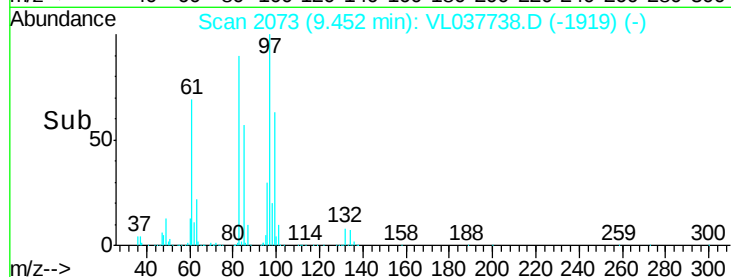
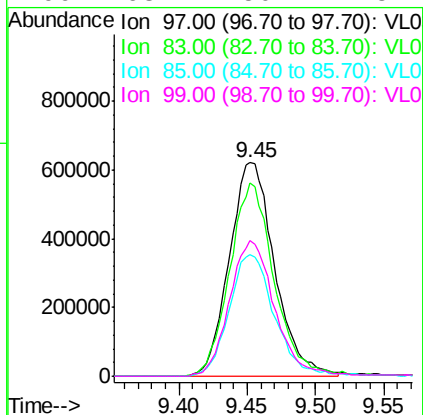
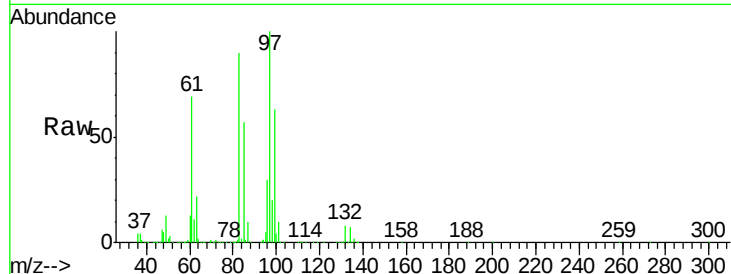
#47
 1,1,2-Trichloroethane
 Concen: 9.334 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.9	67.9	101.9
85	57.2	44.8	67.2
99	63.2	50.1	75.1

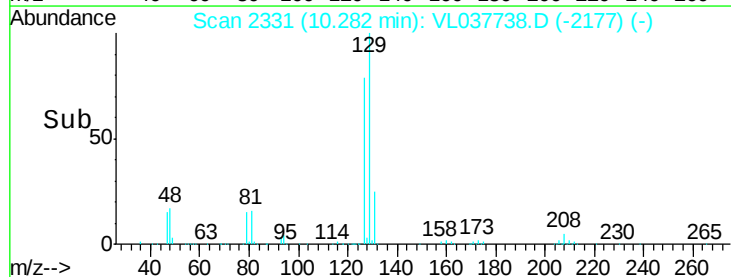
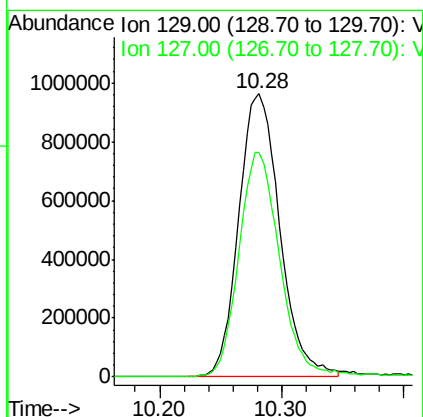
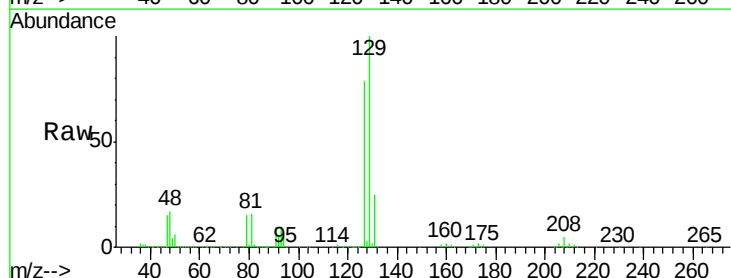
Manual Integrations
 APPROVED

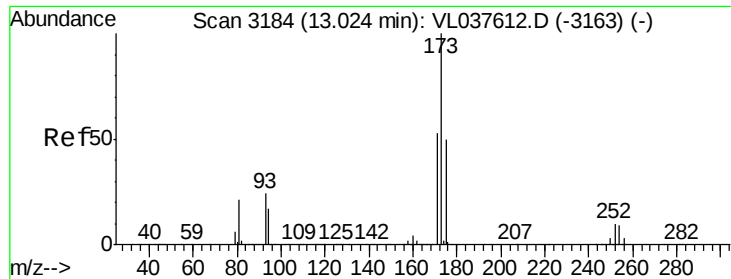
apatel
 10/14/2021 6:07:24 AM



#48
 Dibromochloromethane
 Concen: 10.557 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.3	117.8





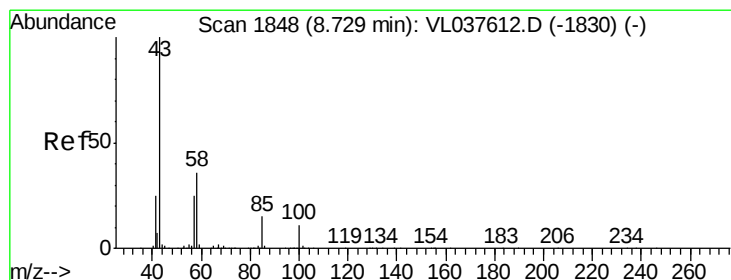
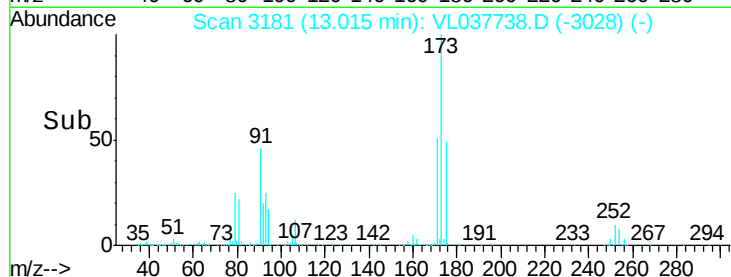
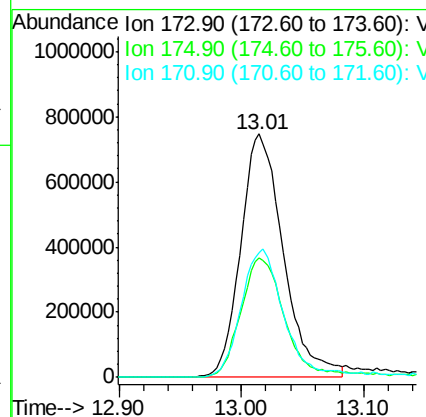
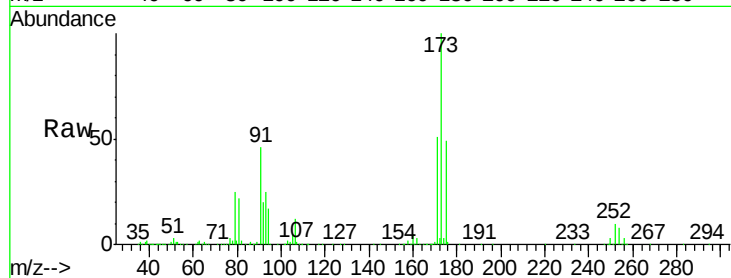
#49
Bromoform
Concen: 10.619 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1806680
Ion Ratio Lower Upper
173 100
175 52.5 39.8 59.8
171 56.0 42.2 63.4

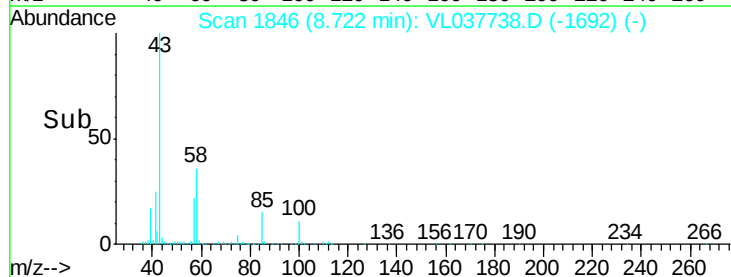
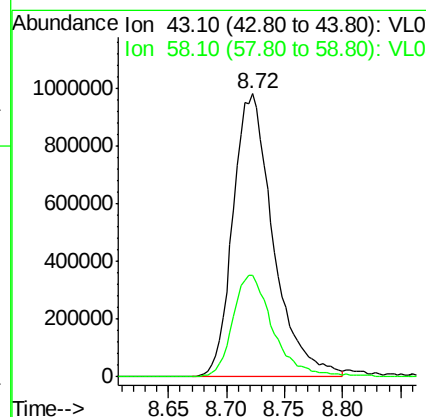
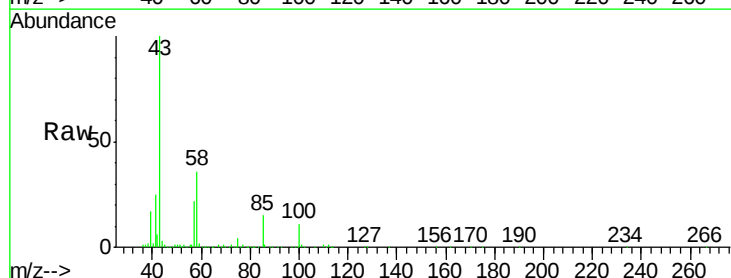
Manual Integrations
APPROVED

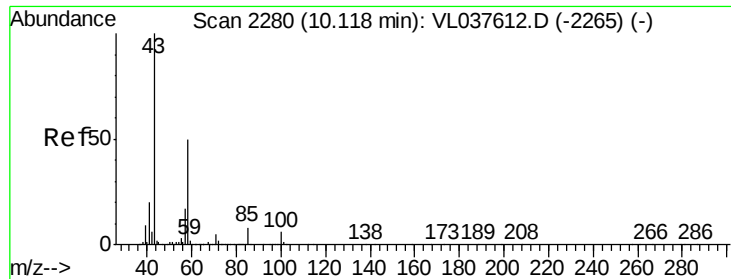
apatel
10/14/2021 6:07:24 AM



#50
4-Methyl-2-Pentanone
Concen: 10.640 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 43 Resp: 2367114
Ion Ratio Lower Upper
43 100
58 36.3 29.4 44.2





#51

2-Hexanone

Concen: 11.460 ppbv

RT: 10.11 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1124887

Ion Ratio Lower Upper

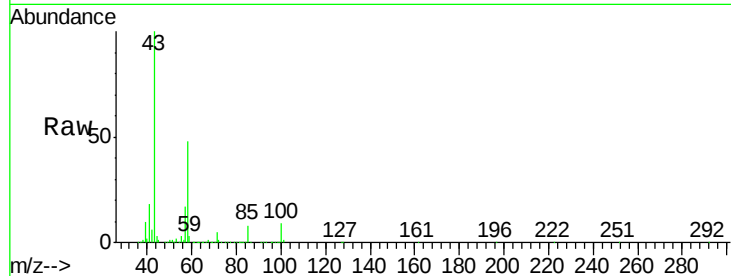
43 100

58 52.0 39.3 58.9

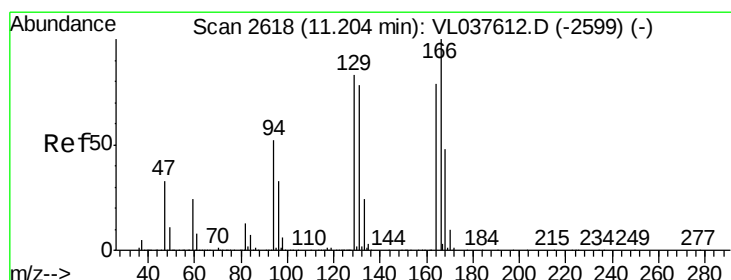
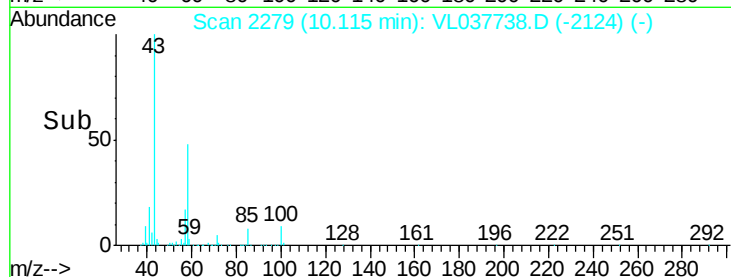
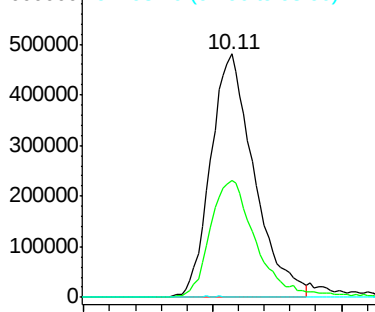
98 0.4 0.4 0.6#

Manual Integrations
APPROVED

apatel
10/14/2021 6:07:24 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.490 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Tgt Ion: 164 Resp: 1310351

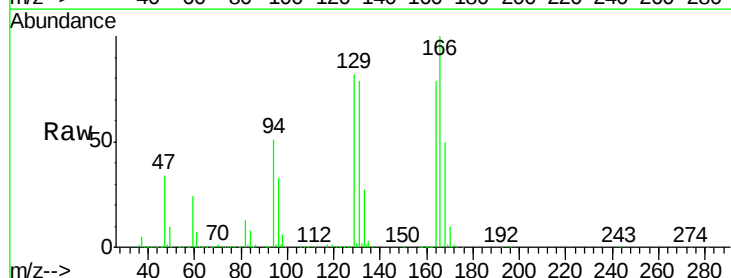
Ion Ratio Lower Upper

164 100

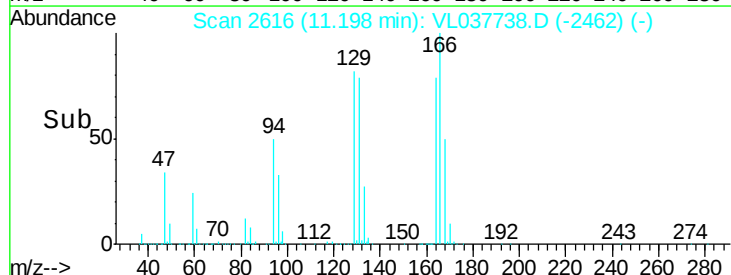
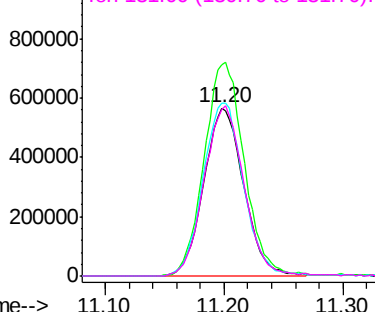
166 125.7 101.2 151.8

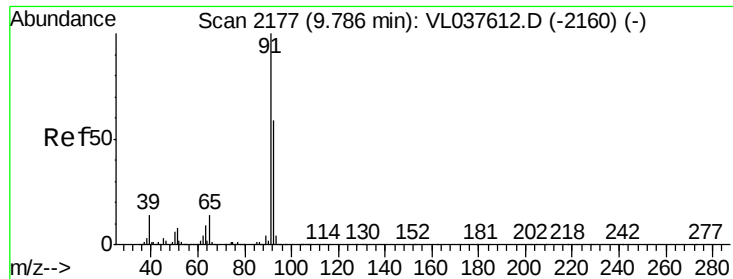
129 103.2 84.0 126.0

131 99.0 78.8 118.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.308 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4120758

Ion Ratio Lower Upper

91 100

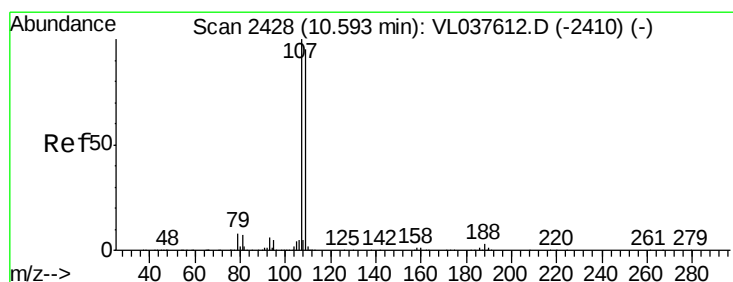
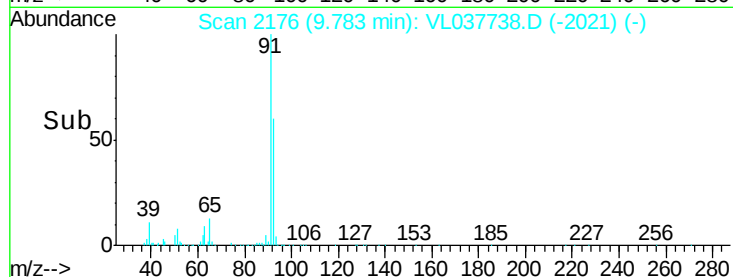
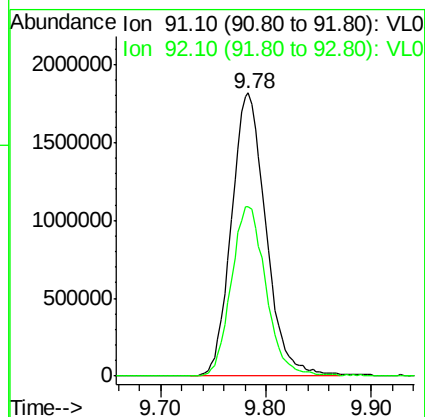
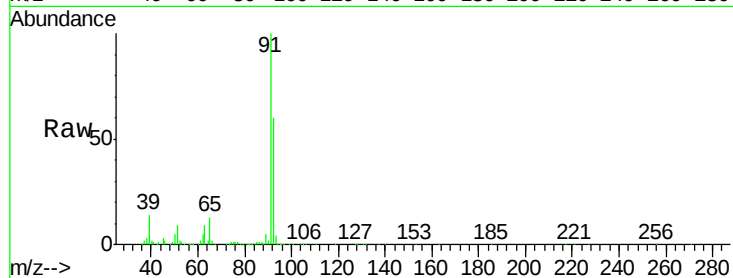
92 60.8 48.9 73.3

Manual Integrations

APPROVED

apatel

10/14/2021 6:07:24 AM



#54

1,2-Dibromoethane

Concen: 9.618 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.01 min

Lab File: VL037738.D

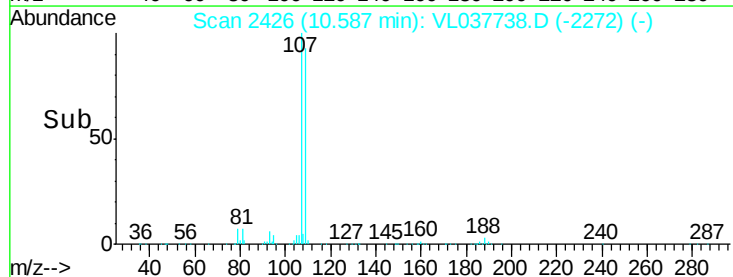
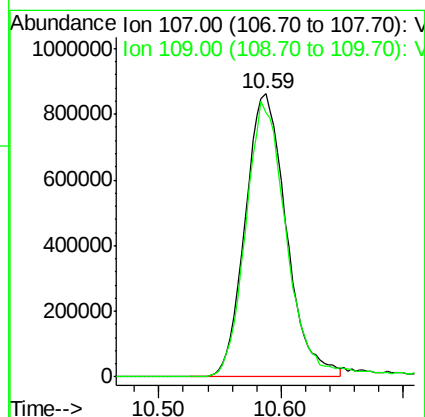
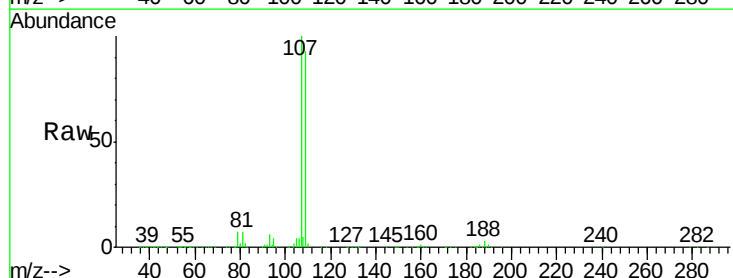
Acq: 1 Oct 2021 10:46

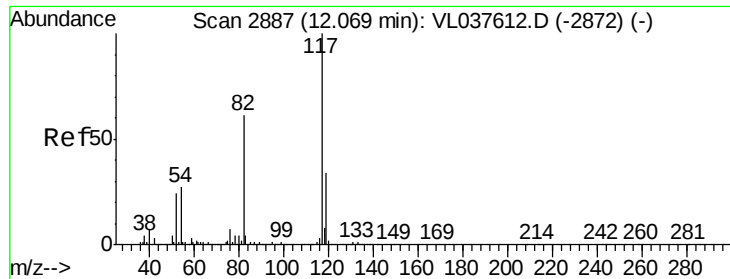
Tgt Ion: 107 Resp: 2006722

Ion Ratio Lower Upper

107 100

109 93.3 76.0 114.0





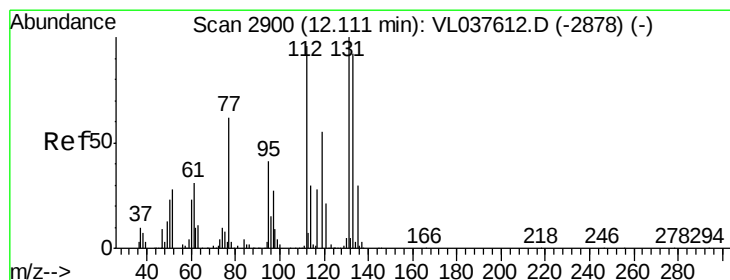
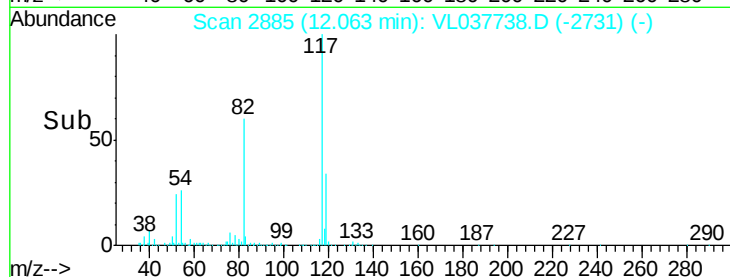
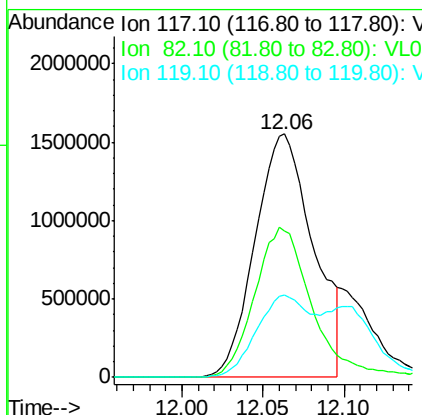
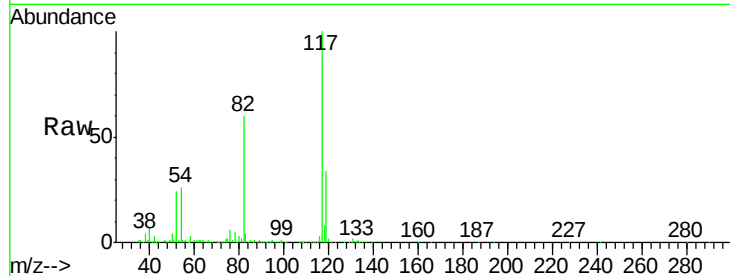
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3855842
Ion Ratio Lower Upper
117 100
82 63.1 50.6 75.8
119 32.9 26.2 39.2

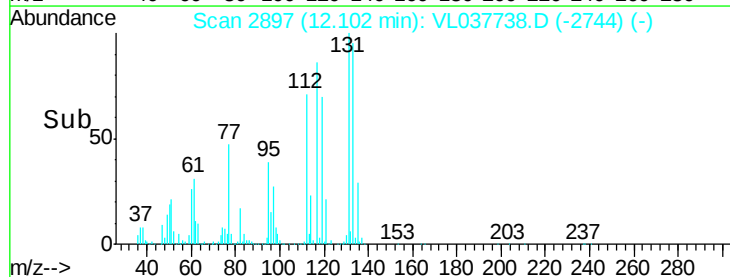
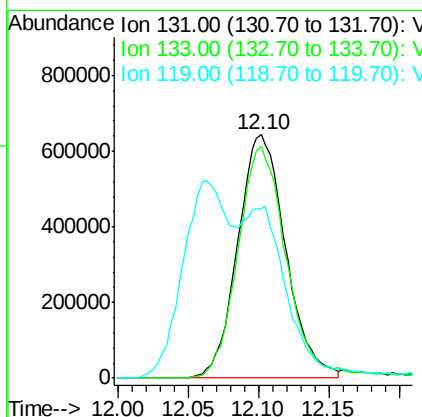
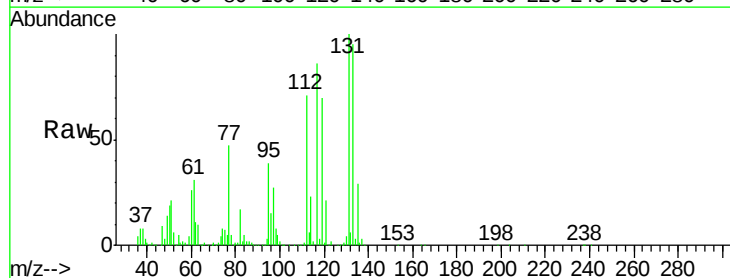
Manual Integrations
APPROVED

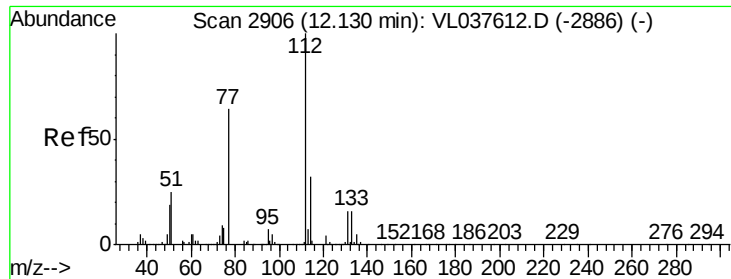
apatel
10/14/2021 6:07:24 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.540 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion:131 Resp: 1525739
Ion Ratio Lower Upper
131 100
133 99.1 76.8 115.2
119 149.9 47.8 71.8#





#57

Chlorobenzene

Concen: 9.282 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 2975350

Ion Ratio Lower Upper

112 100

77 65.2 52.1 78.1

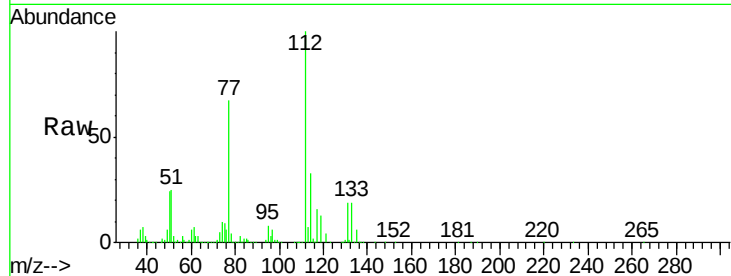
114 32.7 29.2 35.6

Manual Integrations

APPROVED

apatel

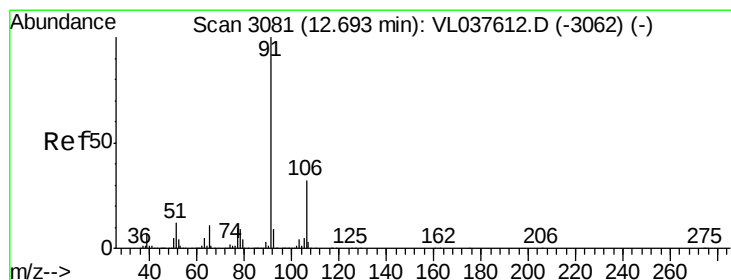
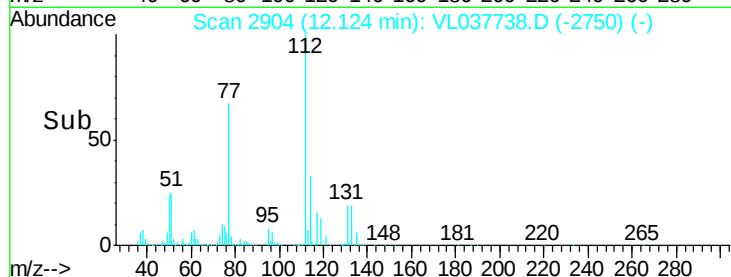
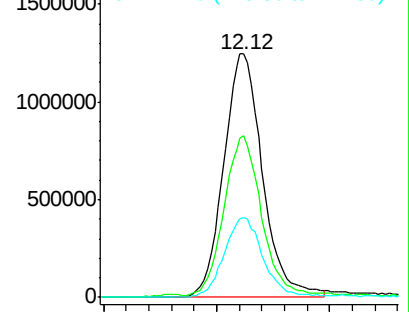
10/14/2021 6:07:24 AM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.063 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.01 min

Lab File: VL037738.D

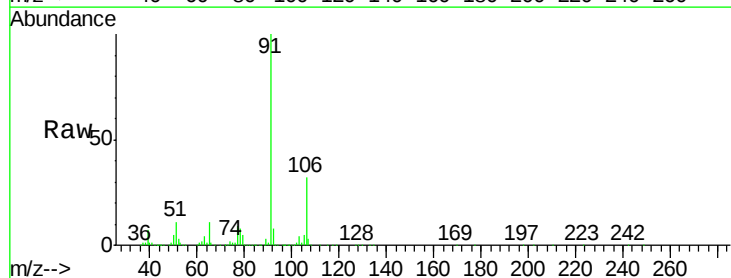
Acq: 1 Oct 2021 10:46

Tgt Ion: 91 Resp: 5150586

Ion Ratio Lower Upper

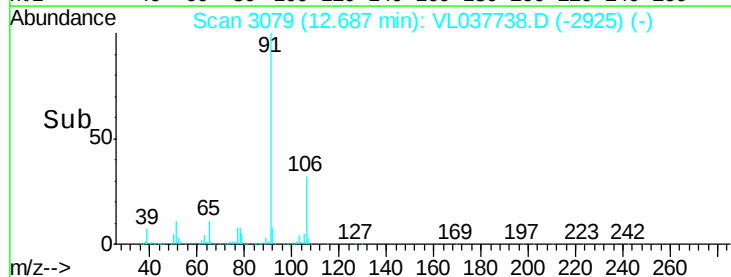
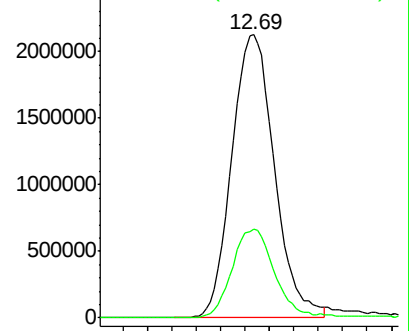
91 100

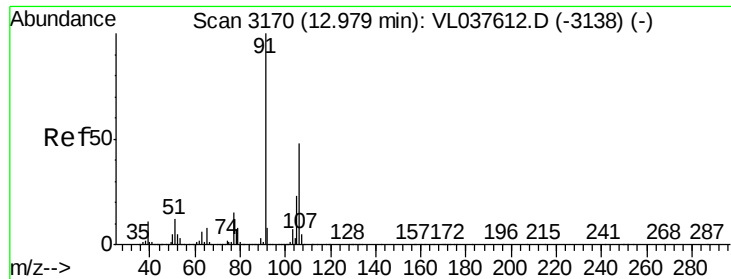
106 31.6 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





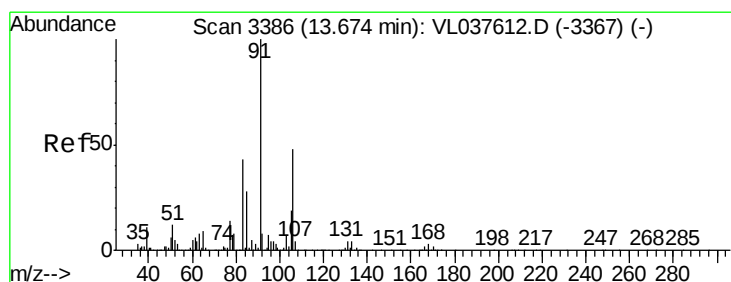
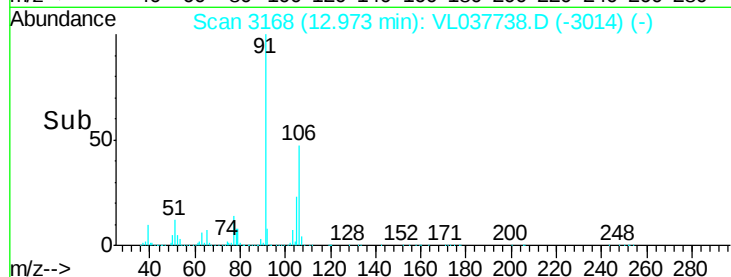
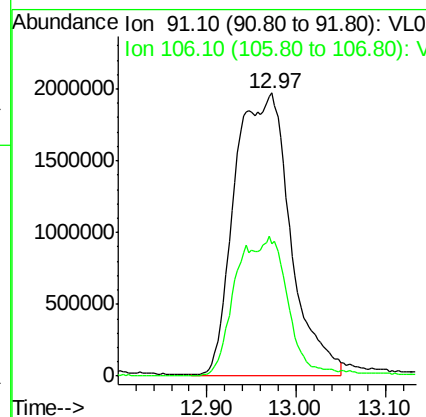
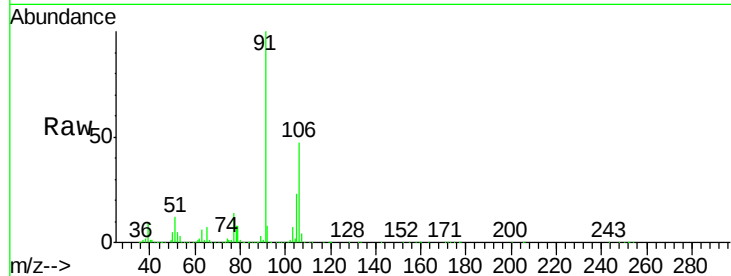
#59
m/p-Xylene
Concen: 19.174 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8552608
Ion Ratio Lower Upper
91 100
106 47.4 36.6 55.0

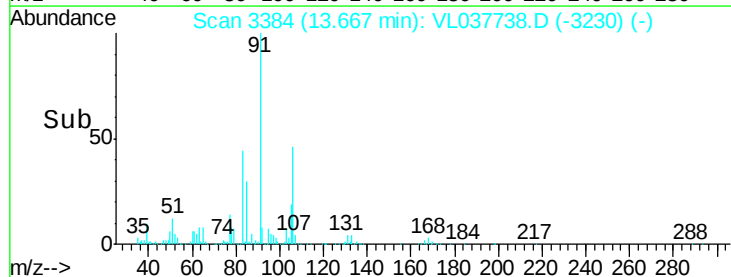
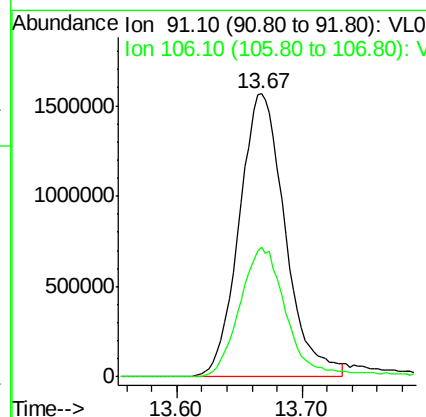
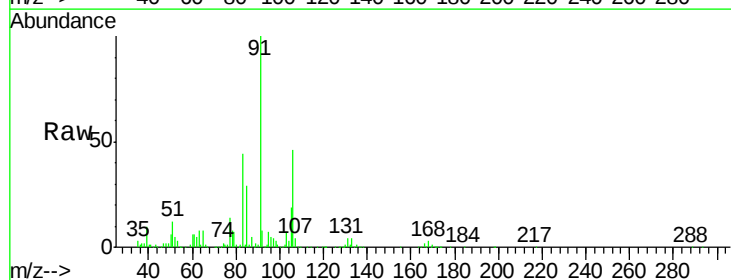
Manual Integrations
APPROVED

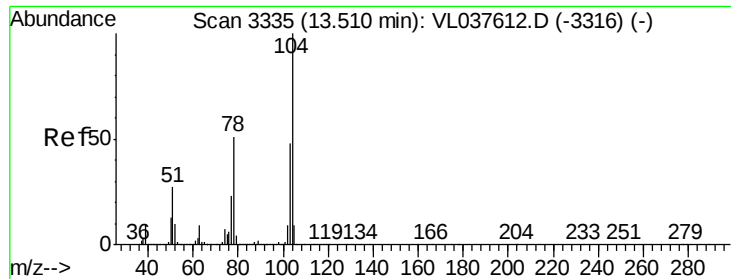
apatel
10/14/2021 6:07:24 AM



#60
o-Xylene
Concen: 9.348 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion: 91 Resp: 3968427
Ion Ratio Lower Upper
91 100
106 47.9 23.0 69.0





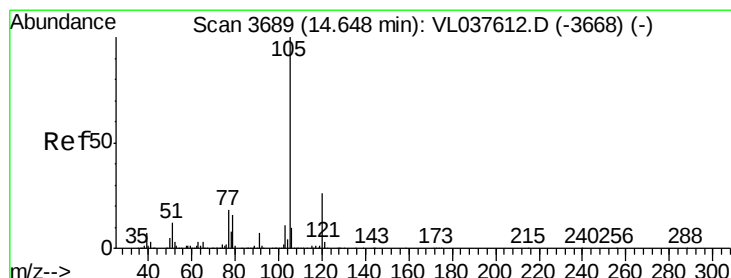
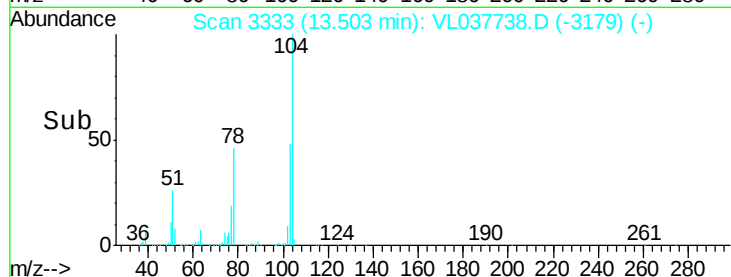
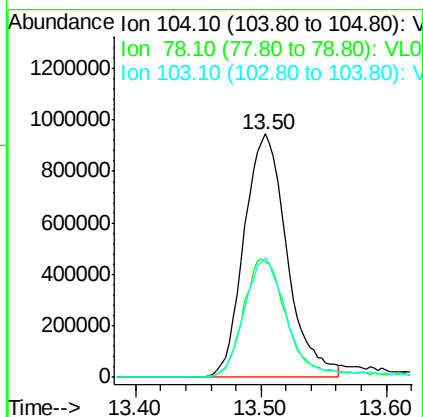
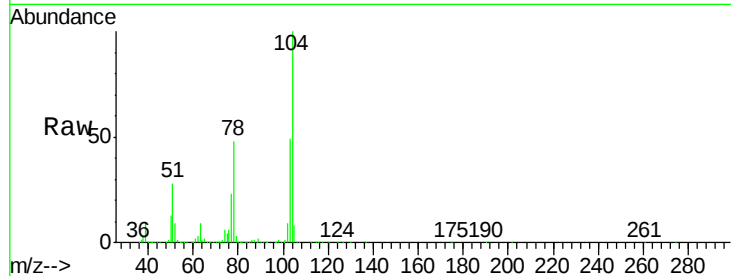
#61
Stvrene
Concen: 10.785 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 2257677
Ion Ratio Lower Upper
104 100
78 50.4 39.7 59.5
103 50.3 38.8 58.2

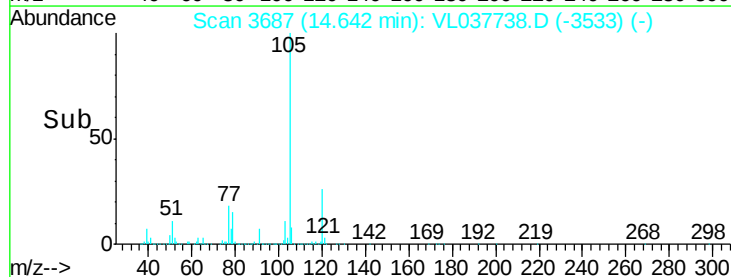
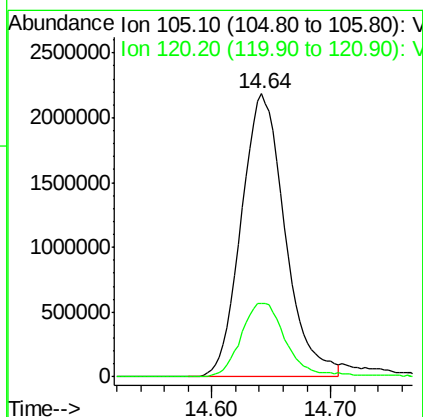
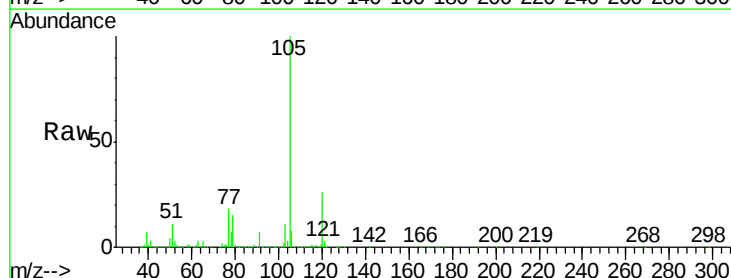
Manual Integrations
APPROVED

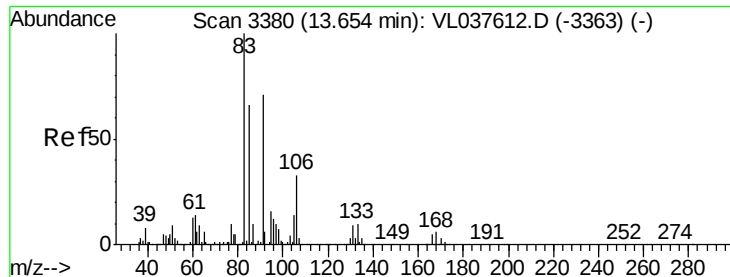
apatel
10/14/2021 6:07:24 AM



#62
Isopropylbenzene
Concen: 9.384 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion:105 Resp: 5565451
Ion Ratio Lower Upper
105 100
120 27.5 21.4 32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.706 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2892776

Ion Ratio Lower Upper

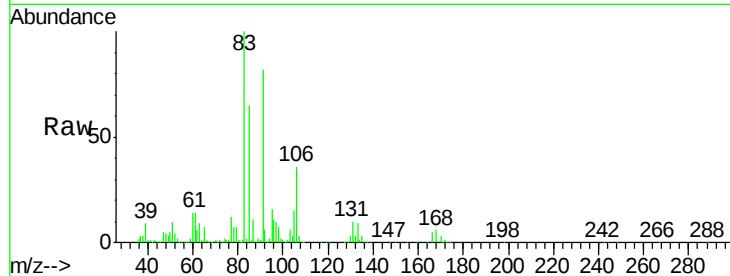
83 100

131 10.0 5.1 15.3

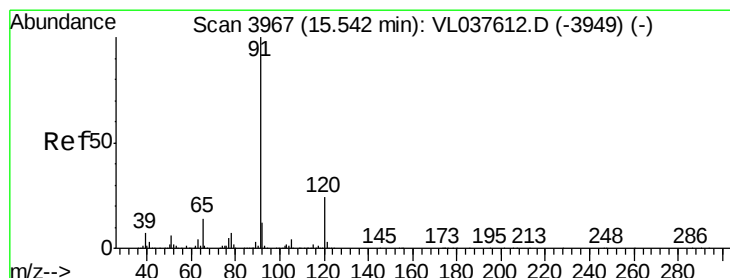
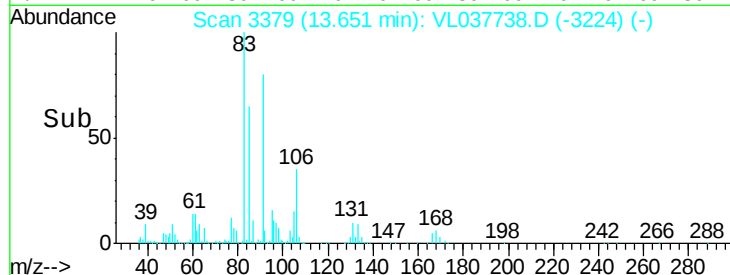
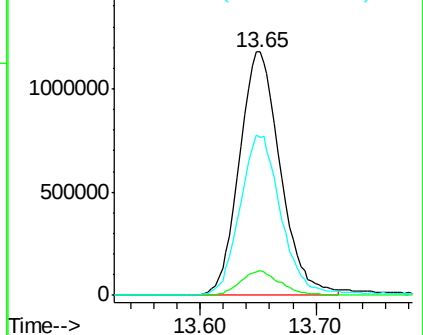
85 66.5 33.3 99.9

Manual Integrations
APPROVED

apatel
10/14/2021 6:07:24 AM



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



#64

n-propylbenzene

Concen: 9.728 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.01 min

Lab File: VL037738.D

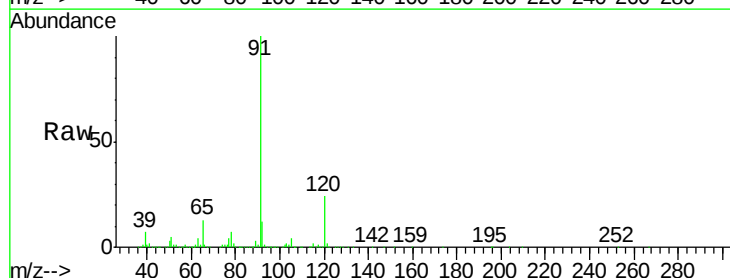
Acq: 1 Oct 2021 10:46

Tgt Ion:120 Resp: 1488833

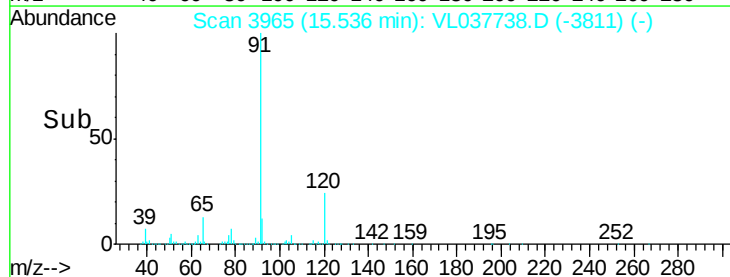
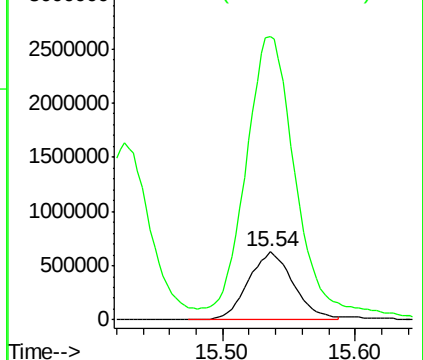
Ion Ratio Lower Upper

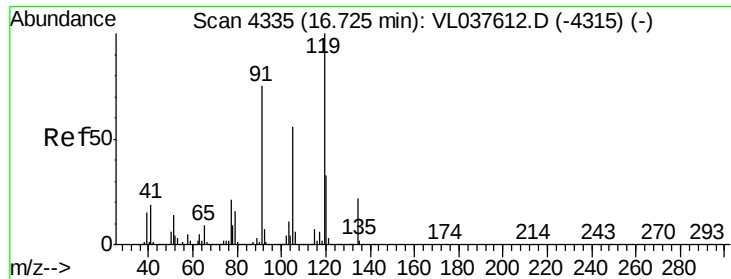
120 100

91 468.7 345.0 517.4



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





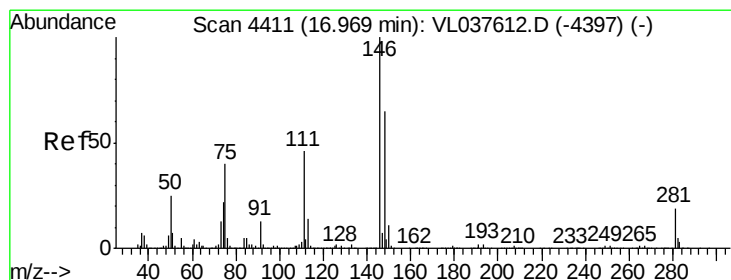
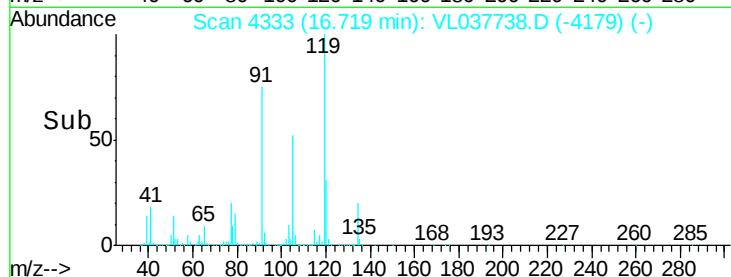
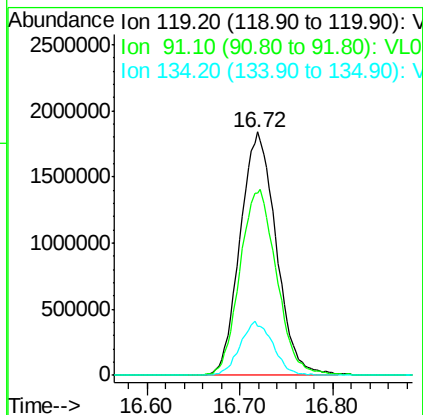
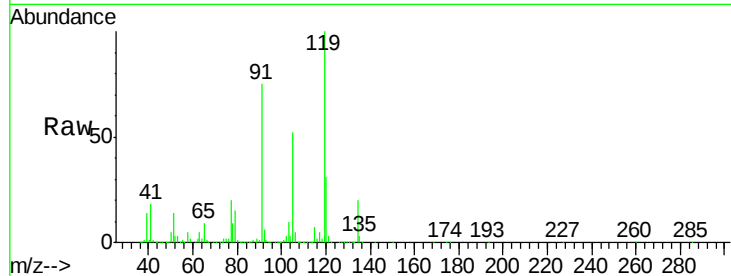
#65
tert-Butylbenzene
Concen: 9.282 ppbv
RT: 16.72 min Scan# 4335
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.1	61.9	92.9
134	20.3	16.5	24.7

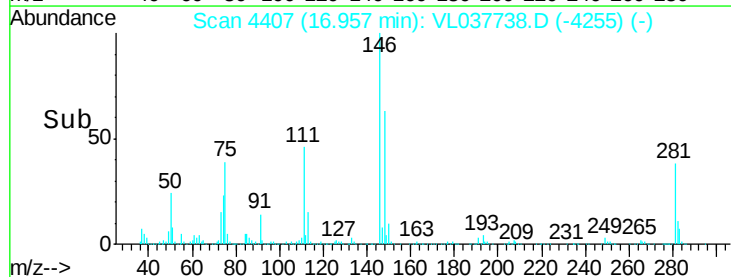
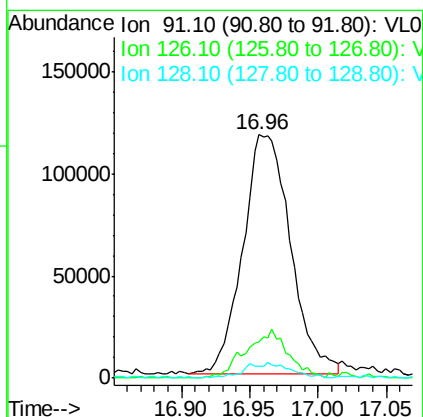
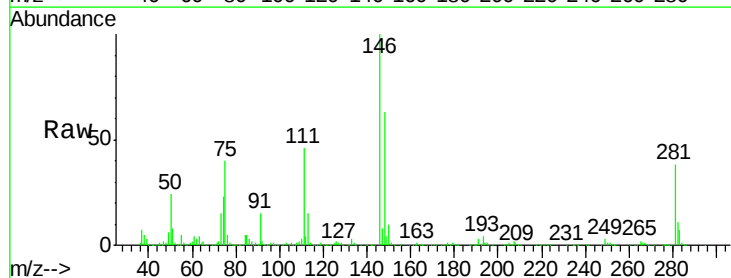
Manual Integrations
APPROVED

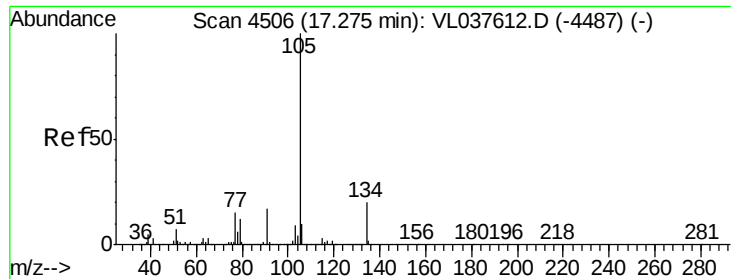
apatel
10/14/2021 6:07:24 AM



#66
Benzyl Chloride
Concen: 9.799 ppbv
RT: 16.96 min Scan# 4407
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.1	14.4	21.6
128	7.1	5.7	8.5





#67

sec-Butylbenzene

Concen: 9.506 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 6896227

Ion Ratio Lower Upper

105 100

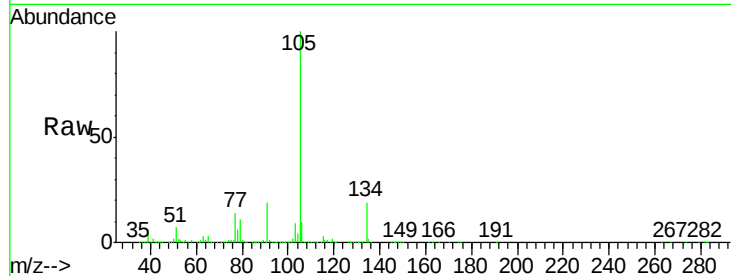
134 19.1 15.7 23.5

Manual Integrations

APPROVED

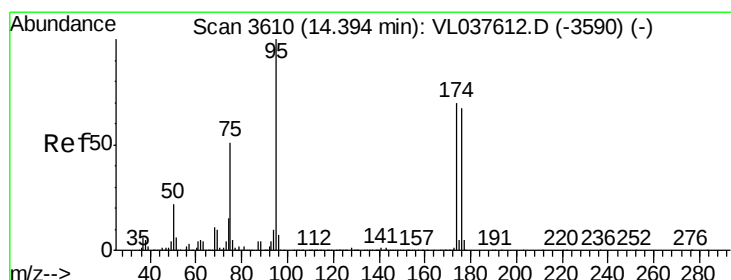
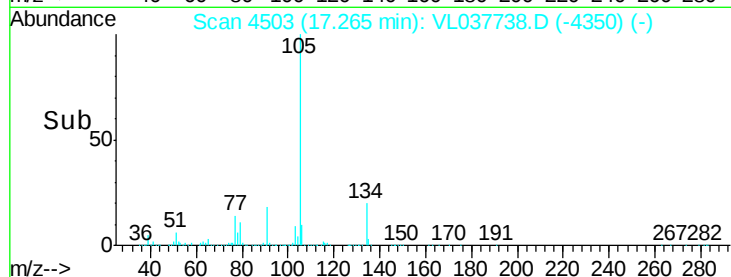
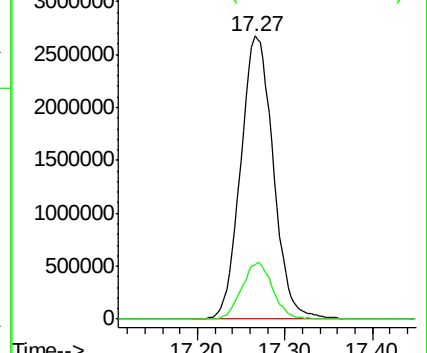
apatel

10/14/2021 6:07:24 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: 9.405 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

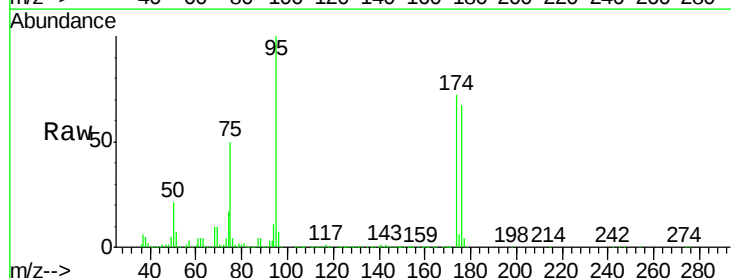
Tgt Ion: 95 Resp: 2620832

Ion Ratio Lower Upper

95 100

174 76.1 56.3 84.5

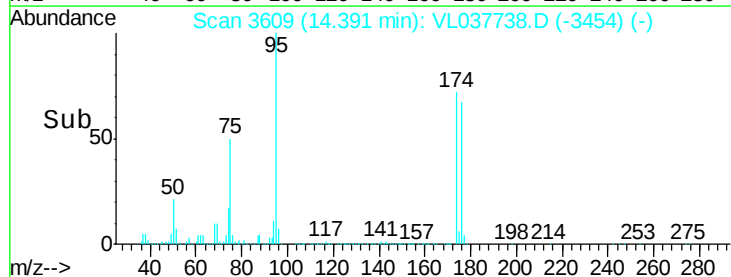
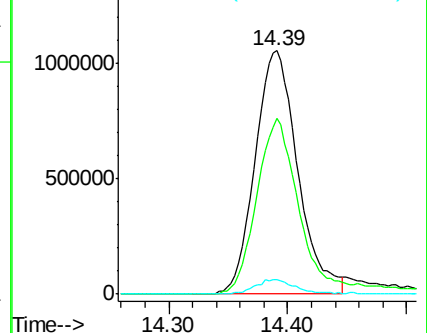
175 6.1 4.4 6.6

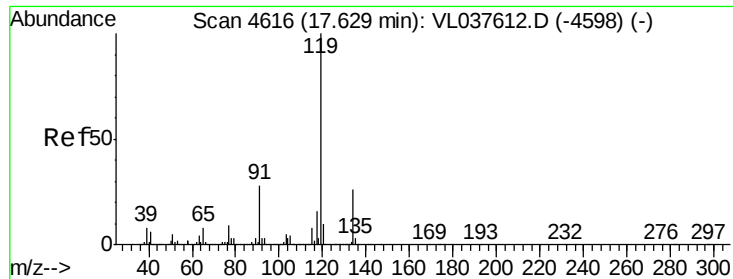


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





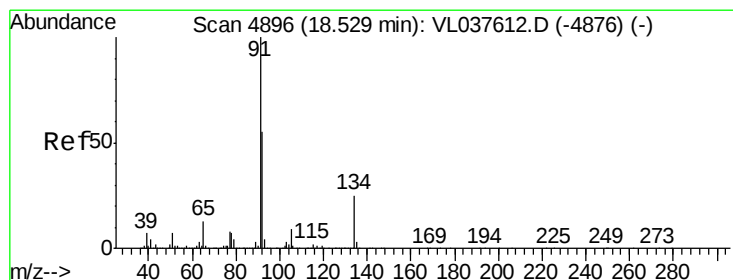
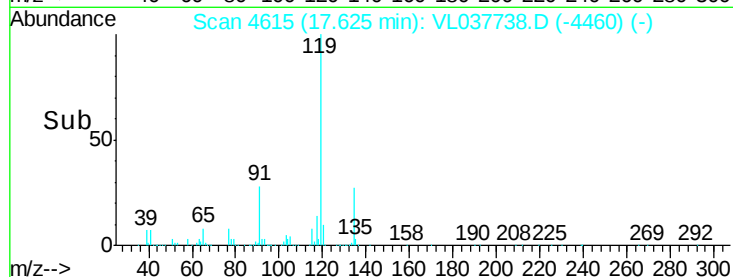
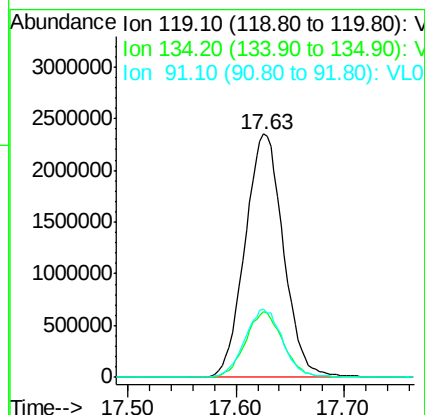
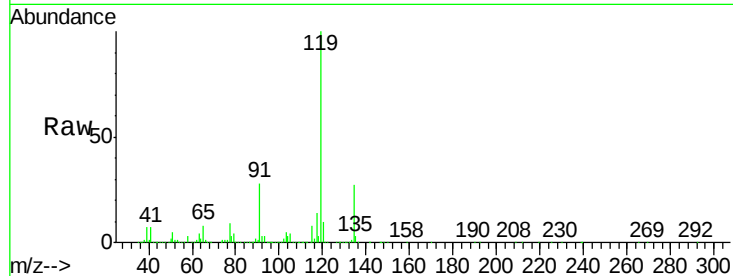
#69
 p-Isopropyltoluene
 Concen: 9.772 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 119 Resp: 5791778
 Ion Ratio Lower Upper
 119 100
 134 26.5 21.2 31.8
 91 27.7 22.2 33.2

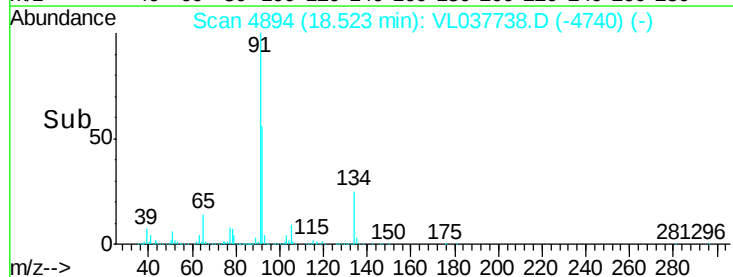
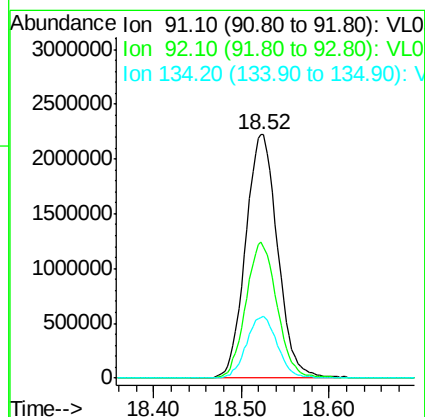
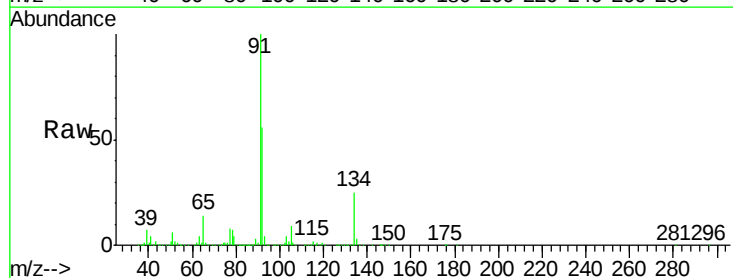
Manual Integrations
 APPROVED

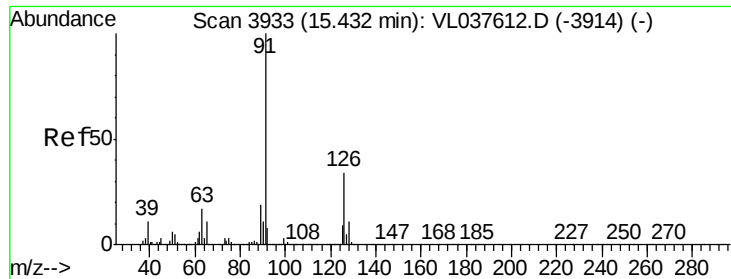
apatel
 10/14/2021 6:07:24 AM



#70
 n-Butylbenzene
 Concen: 10.050 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion: 91 Resp: 5635835
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.0 66.0
 134 24.6 19.5 29.3





#71

2-Chlorotoluene

Concen: 9.578 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4070802

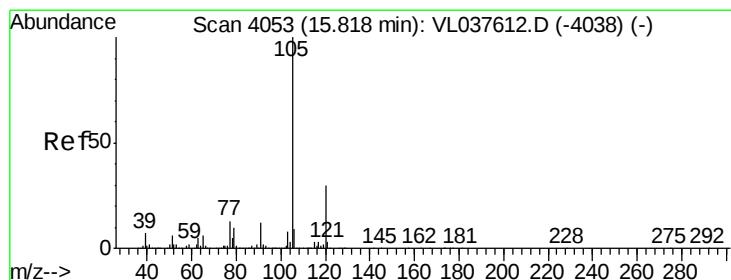
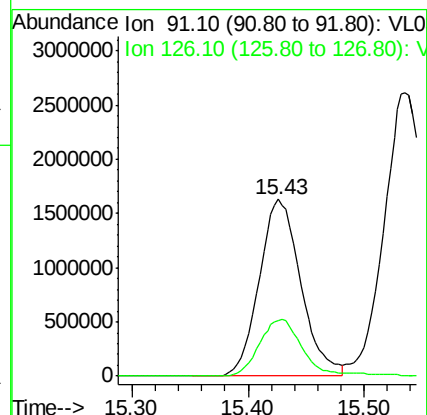
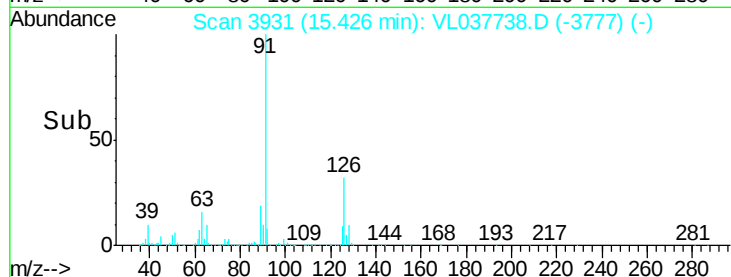
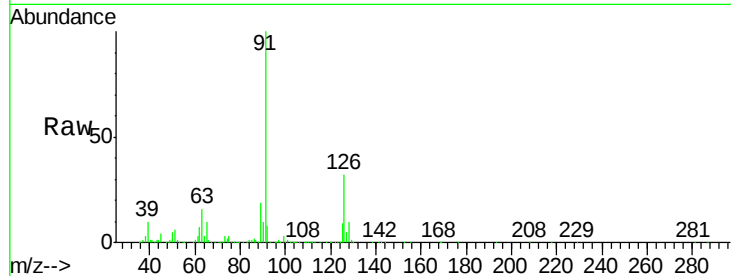
Ion Ratio Lower Upper

91 100

126 34.4 13.2 52.8

Manual Integrations
APPROVED

apatel
10/14/2021 6:07:24 AM



#72

4-Ethyltoluene

Concen: 9.686 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Tgt Ion: 105 Resp: 4720248

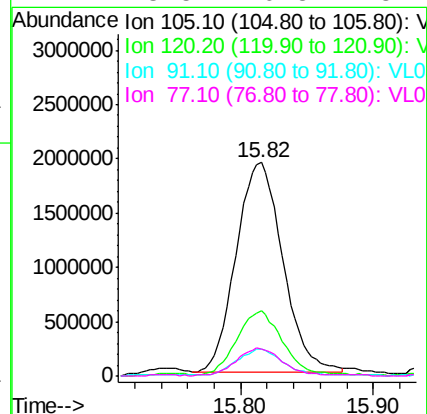
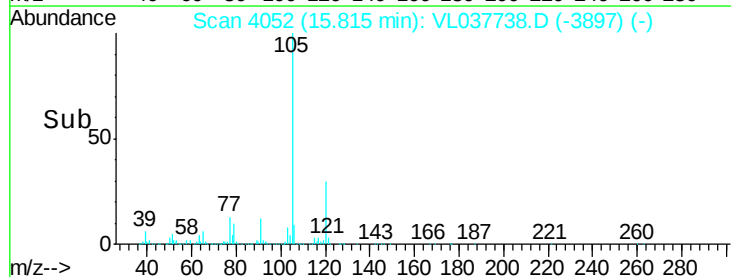
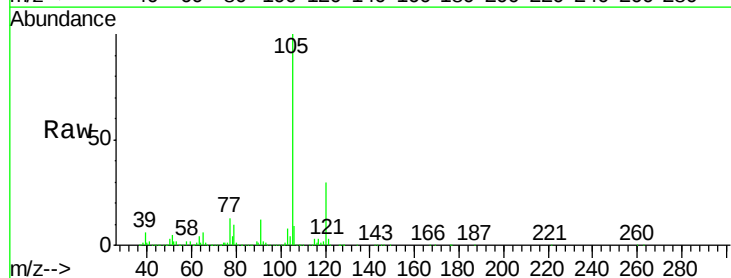
Ion Ratio Lower Upper

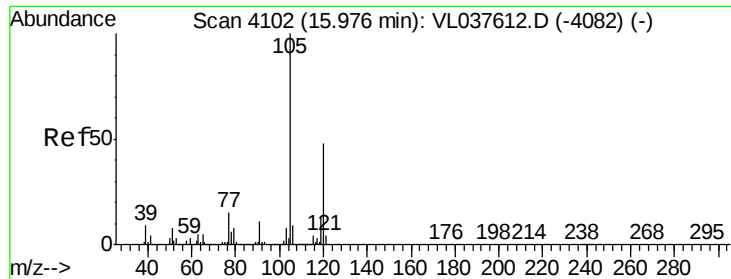
105 100

120 31.6 24.7 37.1

91 13.7 9.9 14.9

77 13.5 10.5 15.7





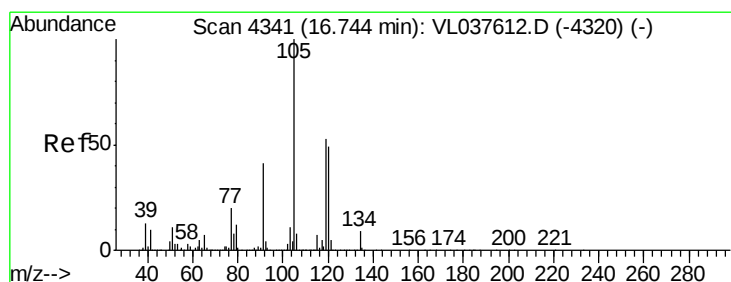
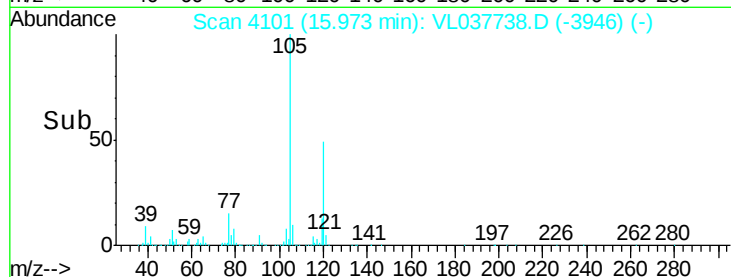
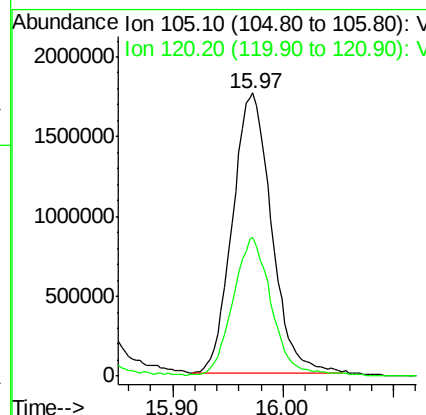
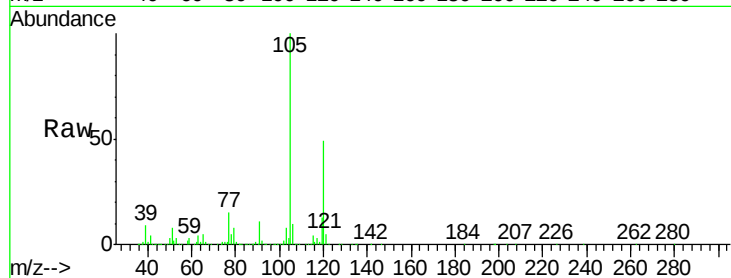
#73
 1,3,5-Trimethylbenzene
 Concen: 9.452 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4293658
 Ion Ratio Lower Upper
 105 100
 120 49.3 38.3 57.5

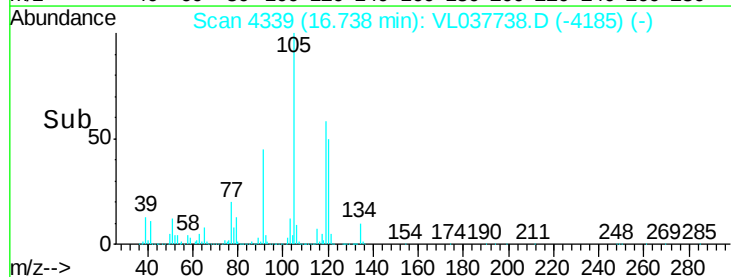
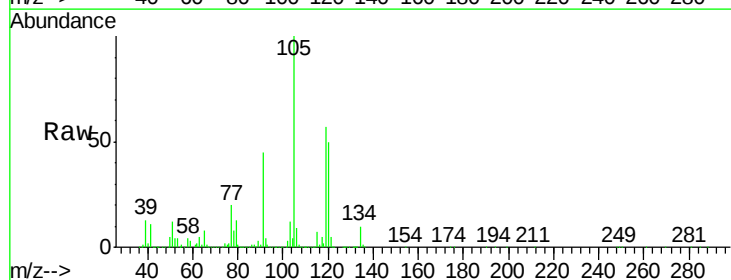
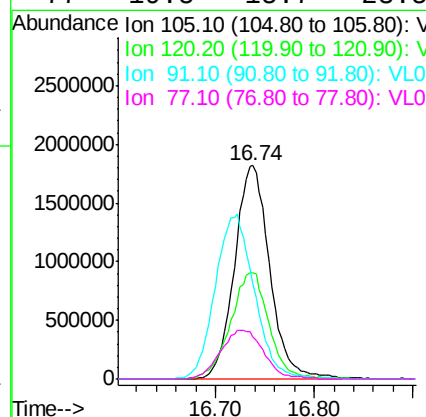
Manual Integrations
 APPROVED

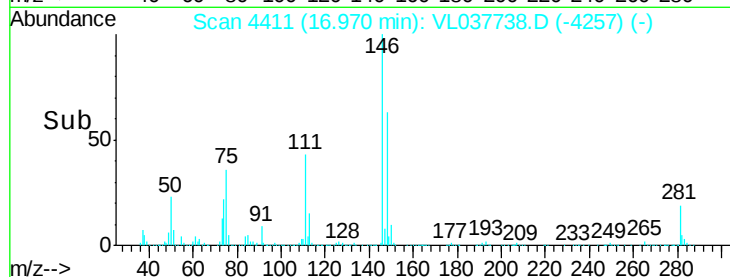
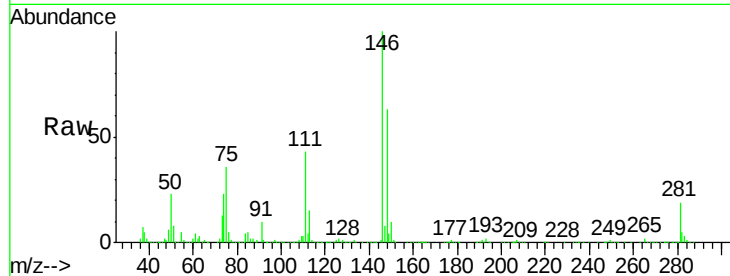
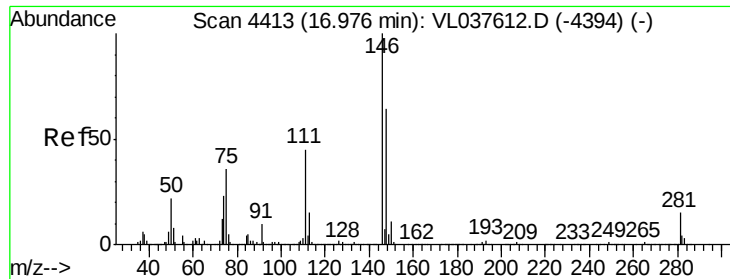
apatel
 10/14/2021 6:07:24 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.397 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.01 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Tgt Ion:105 Resp: 4496110
 Ion Ratio Lower Upper
 105 100
 120 49.3 39.4 59.0
 91 44.6 33.3 49.9
 77 19.5 15.7 23.5





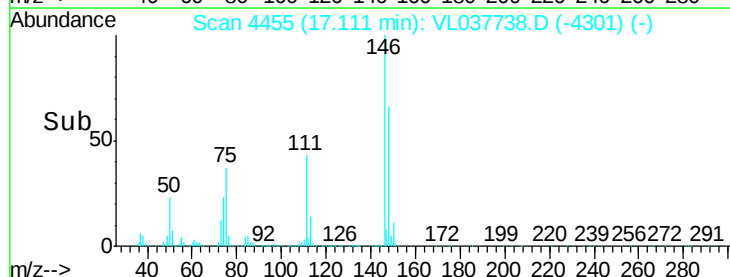
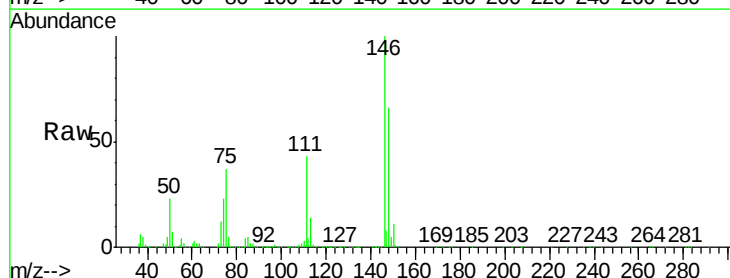
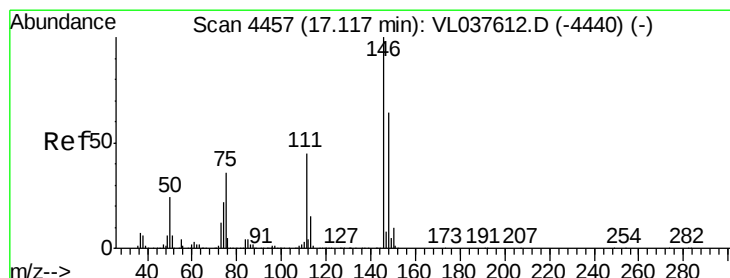
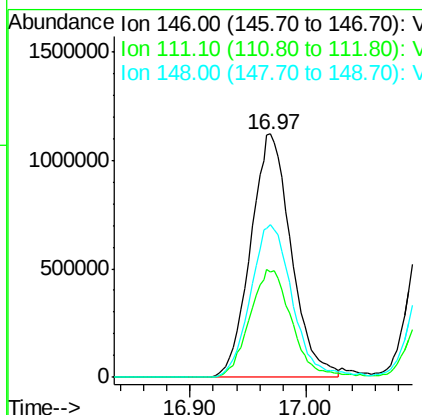
#75
1,3-Dichlorobenzene
Concen: 9.164 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tot Ion:146 Resp: 2724192
Ion Ratio Lower Upper
146 100
111 45.9 22.8 68.3
148 64.8 32.1 96.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

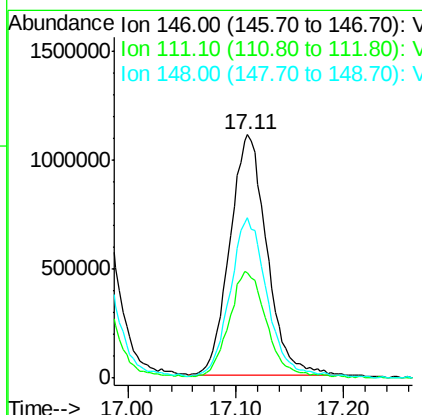
Manual Integrations
APPROVED

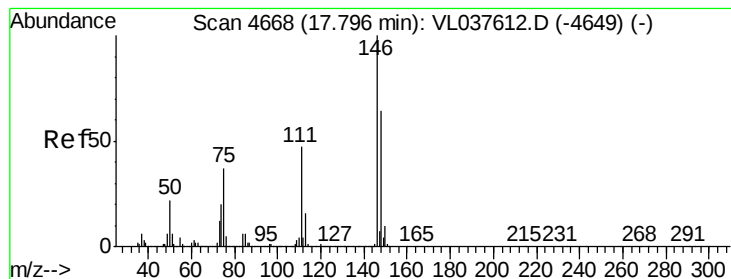
apatel
10/14/2021 6:07:24 AM



#76
1,4-Dichlorobenzene
Concen: 8.972 ppbv
RT: 17.11 min Scan# 4455
Delta R.T. -0.01 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion:146 Resp: 2630579
Ion Ratio Lower Upper
146 100
111 46.1 22.5 67.5
148 67.6 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 9.454 ppbv

RT: 17.79 min Scan# 4668

Delta R.T. -0.01 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Instrument :

MSVOA_L

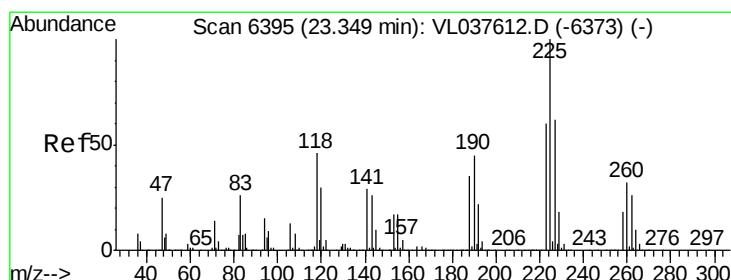
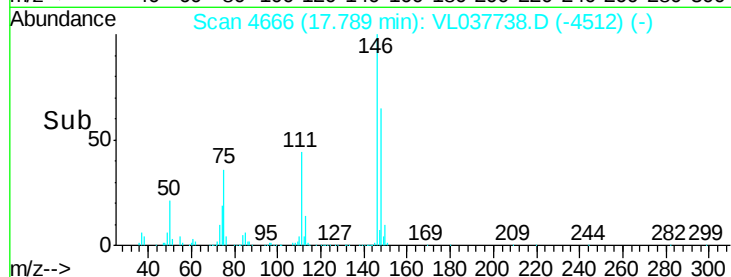
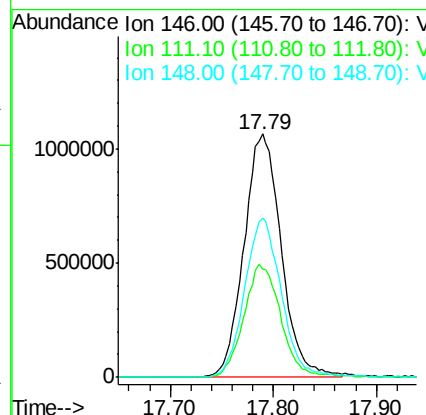
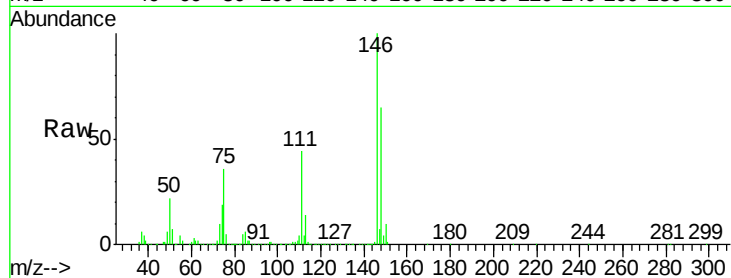
ClientSampleId :

VSTDCCC010

Tot Ion:	146	Resp:	2665537
Ion	Ratio	Lower	Upper
146	100		
111	46.3	24.0	72.0
148	64.8	32.8	98.3

Manual Integrations
APPROVED

apatel
10/14/2021 6:07:24 AM



#78

Hexachloro-1,3-Butadiene

Concen: 8.339 ppbv

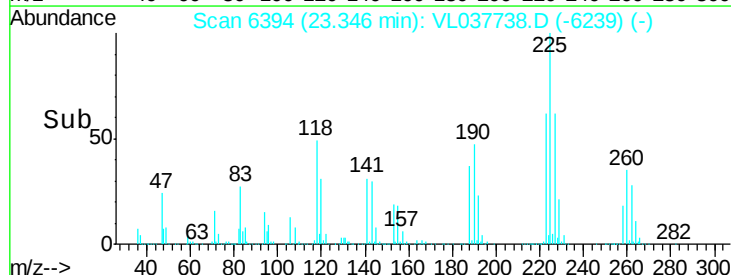
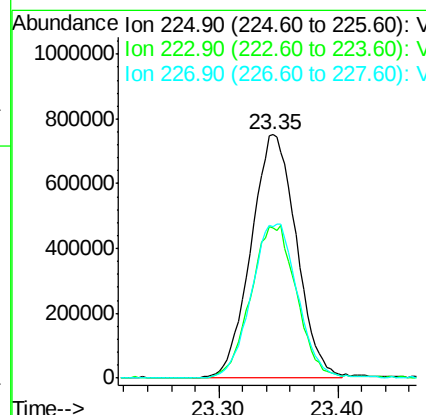
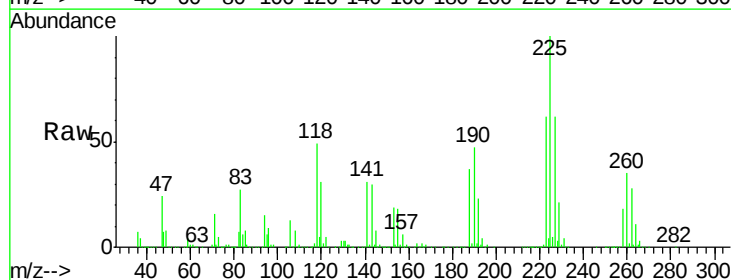
RT: 23.35 min Scan# 6394

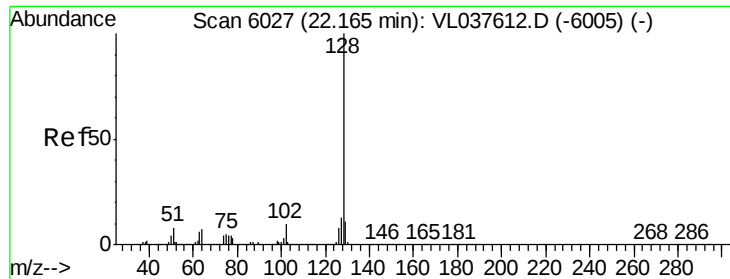
Delta R.T. -0.00 min

Lab File: VL037738.D

Acq: 1 Oct 2021 10:46

Tgt Ion:	225	Resp:	1978879
Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.1	76.7
227	64.9	52.2	78.4





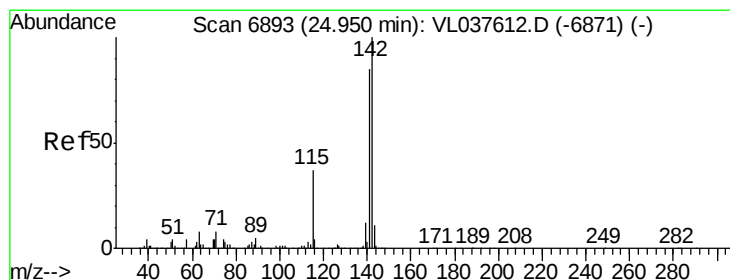
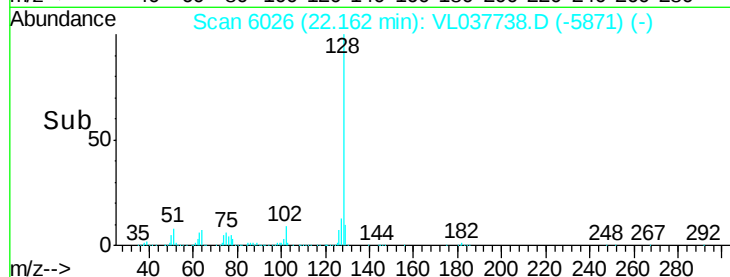
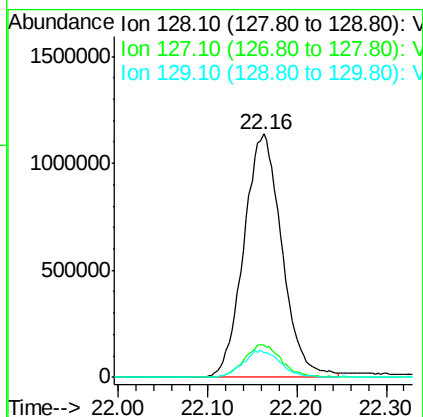
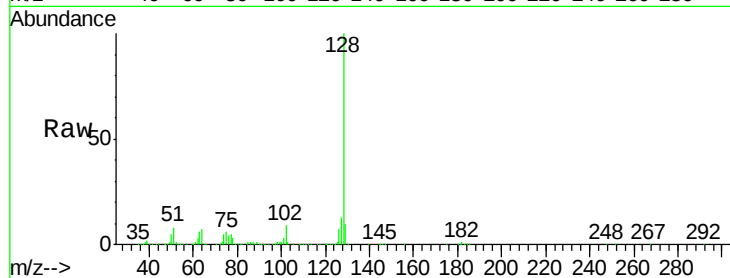
#79
Naphthalene
Concen: 11.492 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128 Resp: 3376244
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.3 8.6 12.8

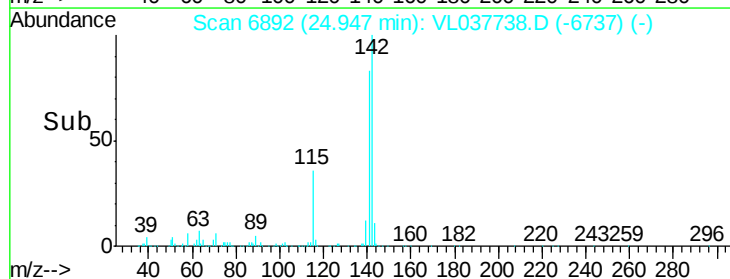
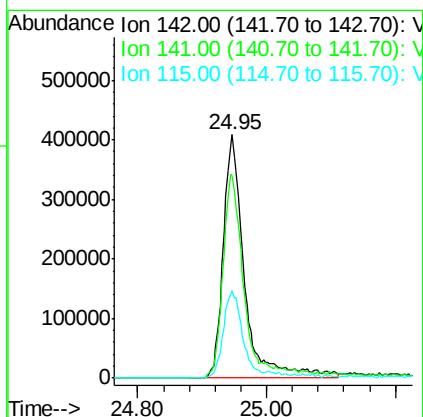
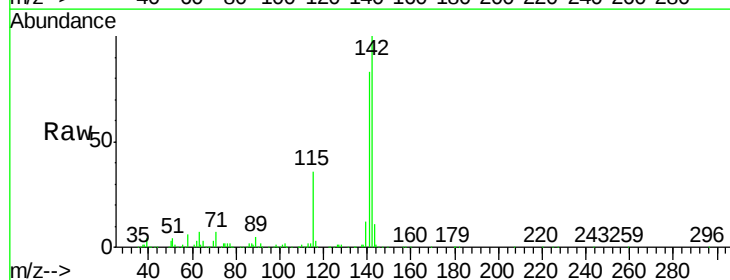
Manual Integrations
APPROVED

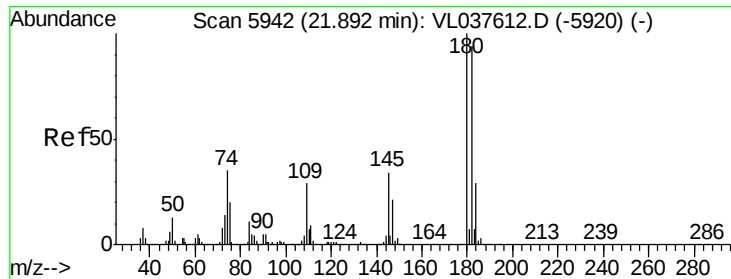
apatel
10/14/2021 6:07:24 AM



#80
Naphthalene, 2-methyl-
Concen: 14.035 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.00 min
Lab File: VL037738.D
Acq: 1 Oct 2021 10:46

Tgt Ion:142 Resp: 942458
Ion Ratio Lower Upper
142 100
141 87.2 70.9 106.3
115 34.3 29.6 44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.612 ppbv
 RT: 21.89 min Scan# 5942
 Delta R.T. 0.00 min
 Lab File: VL037738.D
 Acq: 1 Oct 2021 10:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	78.9	118.3
184	31.5	24.7	37.1

Manual Integrations
 APPROVED

apatel
 10/14/2021 6:07:24 AM

