

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038163.D
 Acq On : 14 Dec 2021 12:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021

Quant Time: Dec 15 05:08:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1087415	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	2927426	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.04	117	2600597m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2087374	11.13	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1518143	8.452	ppbv 99
3) Chlorodifluoromethane	2.97	51	1864989	8.167	ppbv 98
4) Chloromethane	3.12	50	625460	8.046	ppbv 98
5) Vinyl Chloride	3.24	62	644658	8.453	ppbv 99
6) Bromomethane	3.46	94	352913	8.638	ppbv 99
7) Chloroethane	3.54	64	221410	8.180	ppbv 97
8) Dichlorotetrafluoroethane	3.17	85	1517855	8.495	ppbv 96
9) Propene	3.00	41	641340	7.626	ppbv 99
10) Heptane	8.09	43	1615433	7.772	ppbv 98
11) Trichlorofluoromethane	3.93	101	1542048	9.027	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1083624	8.967	ppbv 98
13) Ethanol	3.58	45	68947m	8.483	ppbv
14) Bromoethene	3.72	108	481342	8.896	ppbv 99
15) Acetone	3.83	43	808208	8.572	ppbv 98
16) 1,3-Butadiene	3.31	39	611654	8.316	ppbv 99
17) tert-Butyl alcohol	4.26	59	1001371	8.756	ppbv 99
18) 1,1-Dichloroethene	4.27	96	491728	8.871	ppbv 97
19) Isopropyl Alcohol	3.94	45	577029	8.471	ppbv 100
20) Methylene Chloride	4.32	84	418015	7.916	ppbv 99
21) Allyl Chloride	4.39	41	749352	8.587	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	525655	9.362	ppbv 97
23) Vinyl Acetate	5.04	43	1220379	8.942	ppbv 98
24) 1,1-Dichloroethane	4.98	63	1017061	8.949	ppbv 99
25) Ethyl Acetate	5.65	43	2502895	7.988	ppbv 99
26) Hexane	5.66	57	1150741	7.619	ppbv 98
27) Carbon Disulfide	4.52	76	1314400	9.715	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1089814	8.495	ppbv 100
29) Chloroform	5.72	83	1857868	8.347	ppbv 99
30) Cyclohexane	7.09	84	1006245	7.339	ppbv 95
31) cis-1,2-Dichloroethene	5.52	61	1157478	8.057	ppbv 96
32) 1,1,1-Trichloroethane	6.48	97	1837866	8.136	ppbv 97
34) 2-Butanone	5.21	43	1071086	9.074	ppbv 98
35) Carbon Tetrachloride	6.98	117	1931956	9.393	ppbv 100
36) Benzene	6.86	78	2457154	8.414	ppbv 98
37) 1,2-Dichloroethane	6.27	62	1381738	9.797	ppbv 97
38) Trichloroethene	7.80	130	881648	8.004	ppbv 98
39) 1,2-Dichloropropane	7.58	63	960613	8.576	ppbv 95
40) 1,4-Dioxane	7.79	88	242540	8.311	ppbv # 1
41) Tetrahydrofuran	6.02	42	639882	8.732	ppbv 96
42) Bromodichloromethane	7.75	83	2094580	9.769	ppbv 98
43) Methyl Methacrylate	7.98	69	924810	9.257	ppbv 95

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Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021

Quant Time: Dec 15 05:08:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	4049877	8.289	ppbv	98
45) t-1,3-Dichloropropene	9.24	75	883004	11.019	ppbv	96
46) cis-1,3-Dichloropropene	8.67	75	1099033	10.140	ppbv	96
47) 1,1,2-Trichloroethane	9.44	97	989762	8.437	ppbv	94
48) Dibromochloromethane	10.26	129	1758921	9.845	ppbv	99
49) Bromoform	13.00	173	1368773	10.709	ppbv	98
50) 4-Methyl-2-Pentanone	8.70	43	1758706	9.811	ppbv	96
51) 2-Hexanone	10.10	43	850412	10.083	ppbv #	95
52) Tetrachloroethene	11.18	164	800498	7.409	ppbv	98
53) Toluene	9.77	91	2763397	8.225	ppbv	98
54) 1,2-Dibromoethane	10.57	107	1451021	8.756	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.08	131	1108357	9.388	ppbv	93
57) Chlorobenzene	12.10	112	1966644	8.437	ppbv	94
58) Ethyl Benzene	12.67	91	3644943	8.480	ppbv	98
59) m/p-Xylene	12.95	91	6135983m	16.958	ppbv	
60) o-Xylene	13.65	91	2838002	8.455	ppbv	96
61) Styrene	13.48	104	1545461	8.588	ppbv	95
62) Isopropylbenzene	14.63	105	3907965	8.202	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	2134373	8.561	ppbv	99
64) n-propylbenzene	15.52	120	993030	8.181	ppbv	89
65) tert-Butylbenzene	16.70	119	3358470	8.001	ppbv	96
66) Benzyl Chloride	16.94	91	264567	12.436	ppbv	95
67) sec-Butylbenzene	17.25	105	4726066	8.080	ppbv	100
69) p-Isopropyltoluene	17.61	119	3884074	8.489	ppbv	98
70) n-Butylbenzene	18.51	91	4045852	9.248	ppbv	98
71) 2-Chlorotoluene	15.41	91	2998390	8.607	ppbv	97
72) 4-Ethyltoluene	15.80	105	3376328	8.676	ppbv	97
73) 1,3,5-Trimethylbenzene	15.96	105	2979977	8.384	ppbv	97
74) 1,2,4-Trimethylbenzene	16.72	105	3123262	8.527	ppbv	96
75) 1,3-Dichlorobenzene	16.95	146	1772754	8.812	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1746457	8.627	ppbv	98
77) 1,2-Dichlorobenzene	17.77	146	1698137	8.717	ppbv	100
78) Hexachloro-1,3-Butadiene	23.33	225	997082	8.198	ppbv	99
79) Naphthalene	22.14	128	1900201	9.851	ppbv	99
80) Naphthalene,2-methyl-	24.93	142	427570	10.343	ppbv	96
81) 1,2,4-Trichlorobenzene	21.87	180	1064645	9.605	ppbv	100

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

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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Quant Time: Dec 15 05:08:31 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821

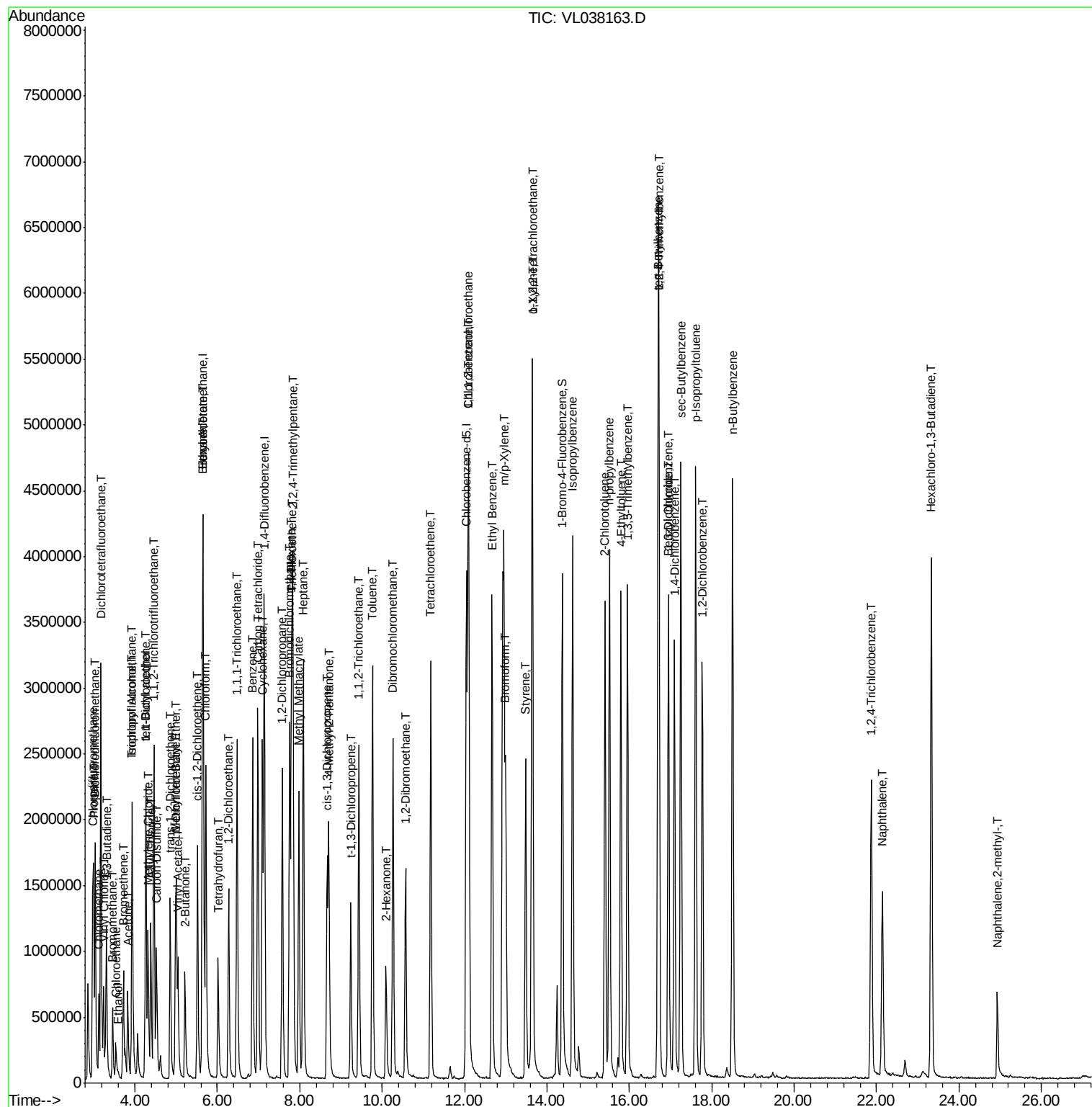
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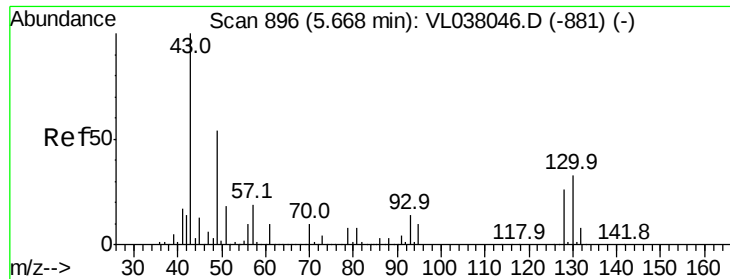
QLast Update : Thu Nov 18 13:16:09 2021

Response via : Initial Calibration

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 14 Dec 2021 12:51

Tot Ion:

Ion Ratio

49 100

128 50.

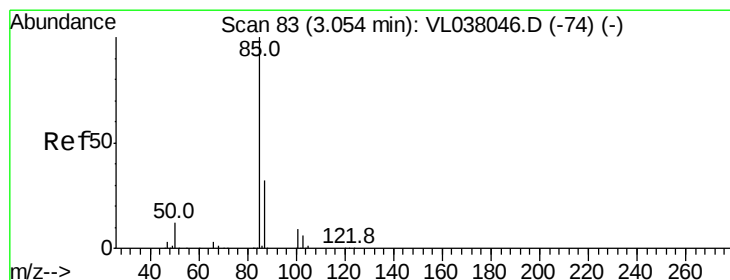
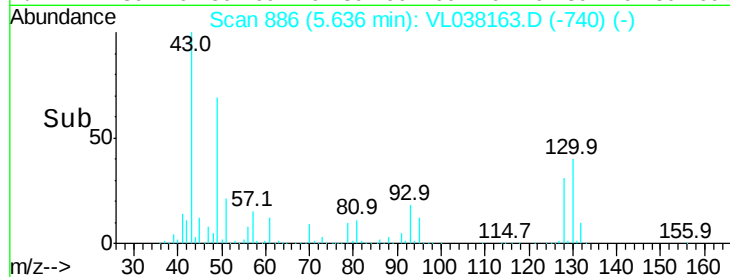
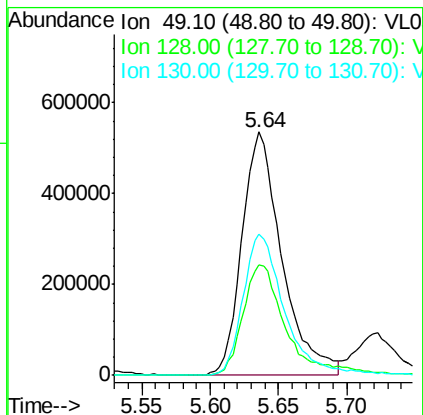
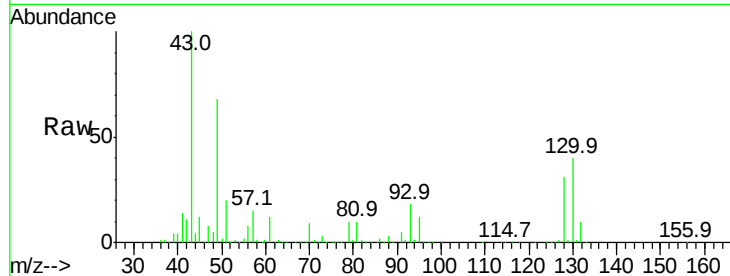
130 61.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#2

Dichlorodifluoromethane

Concen: 8.452 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL038163.D

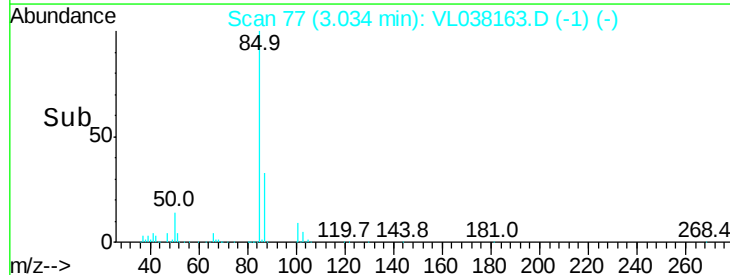
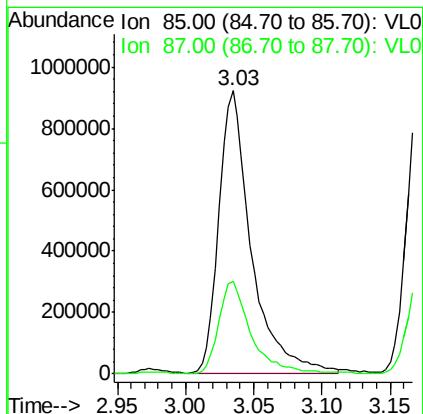
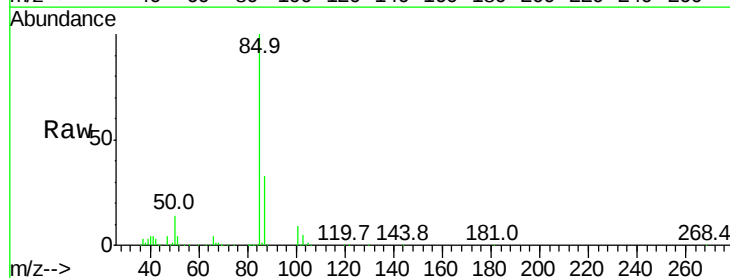
Acq: 14 Dec 2021 12:51

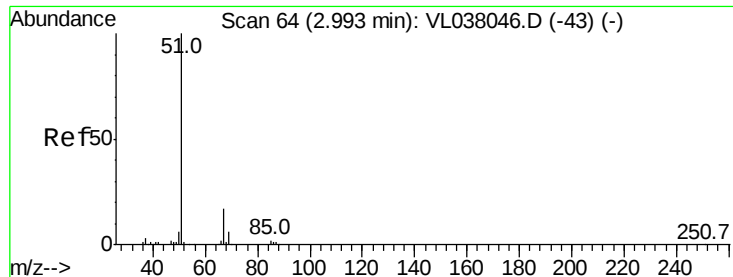
Tgt Ion: 85 Resp: 1518143

Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.6





#3

Chlorodifluoromethane

Concen: 8.167 ppbv

RT: 2.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 12:51

Tot Ion:

Ion Ratio

51 100

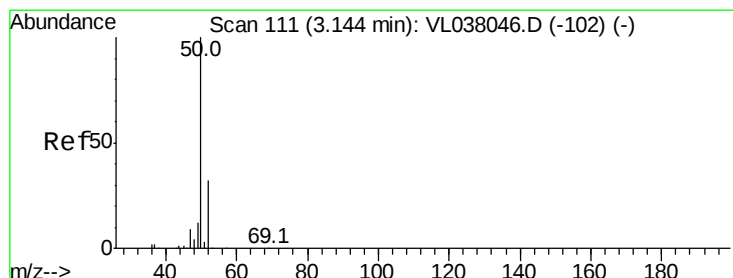
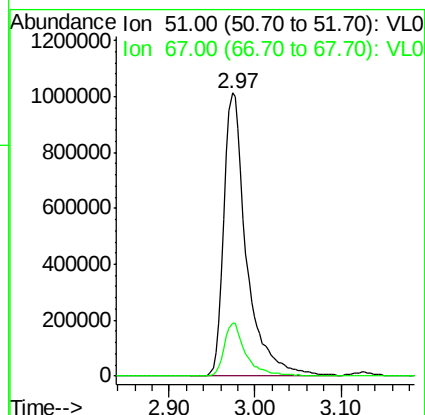
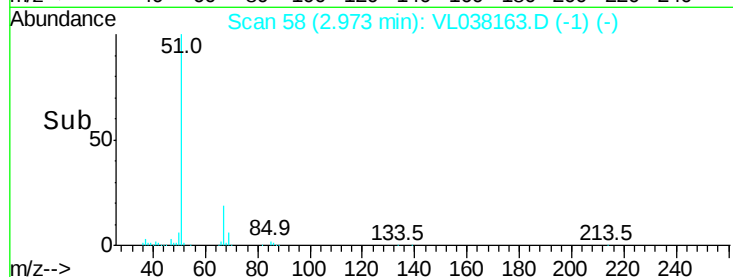
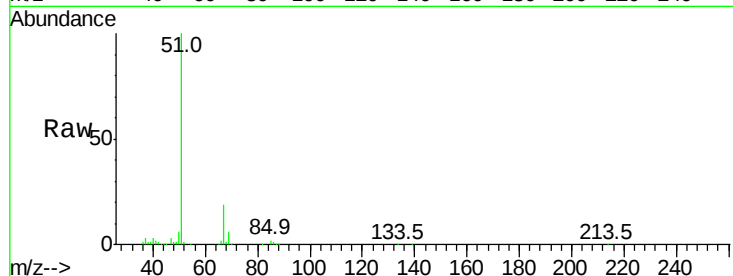
67 18.

Manual Integrations

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#4

Chloromethane

Concen: 8.046 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL038163.D

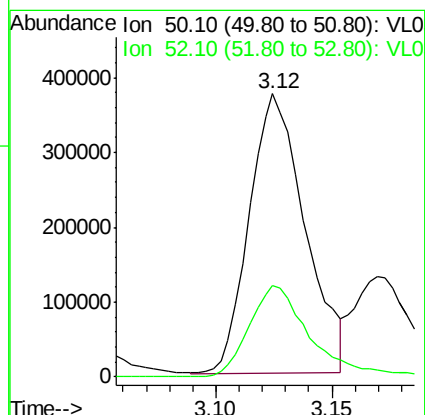
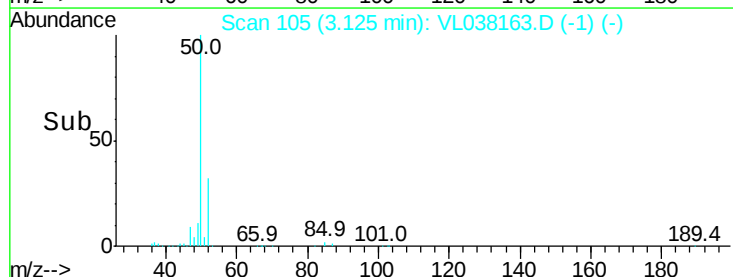
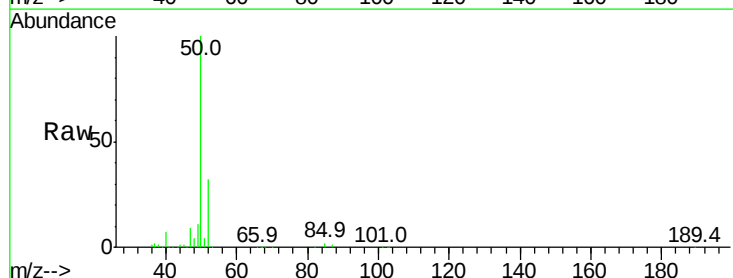
Acq: 14 Dec 2021 12:51

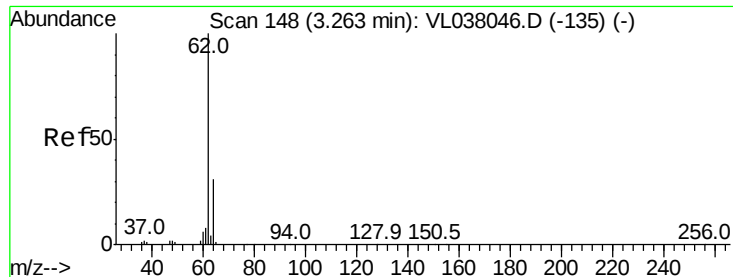
Tgt Ion: 50 Resp: 625460

Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.0





#5

Vinyl Chloride

Concen: 8.453 ppbv

RT: 3.24 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 14 Dec 2021 12:51

Tot Ion:

Ion Ratio

62 100

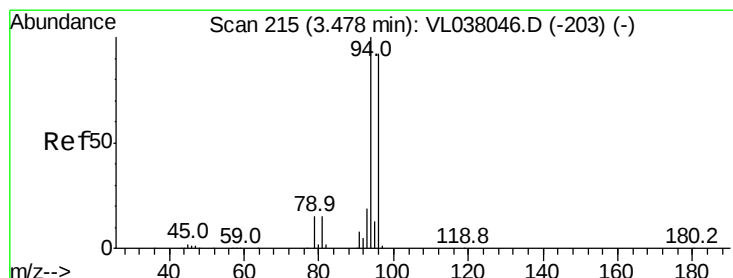
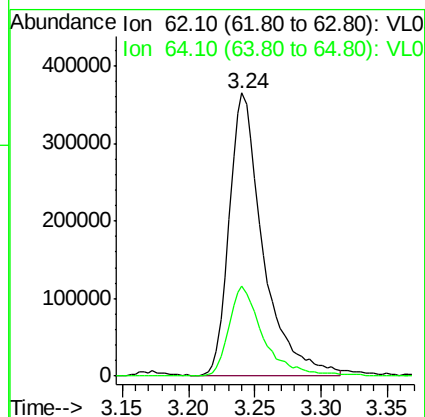
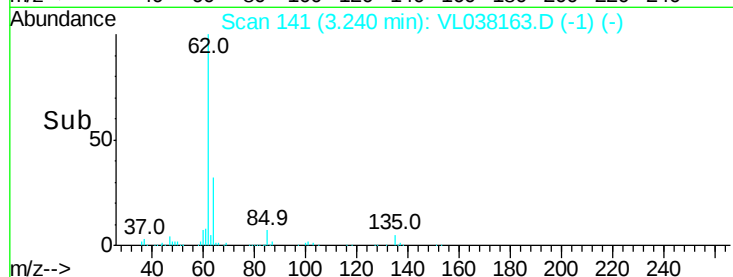
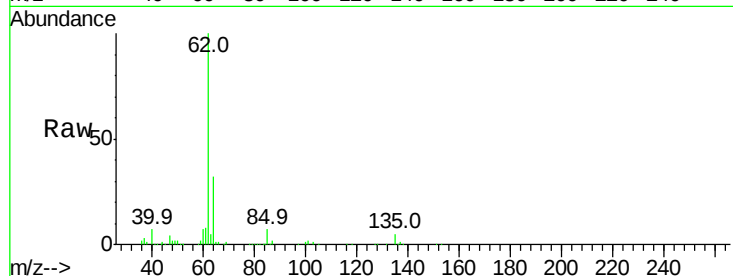
64 31.

Manual Integrations

APPROVED

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Supervised By :Semsettin Yesilyurt 12/16/2021



#6

Bromomethane

Concen: 8.638 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.02 min

Lab File: VL038163.D

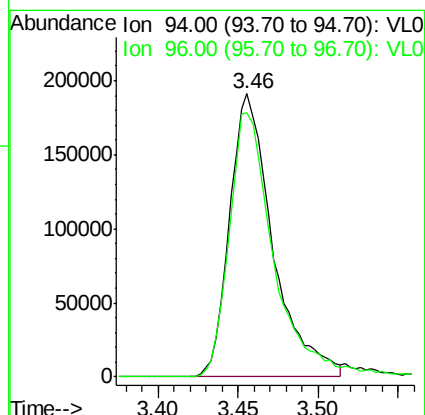
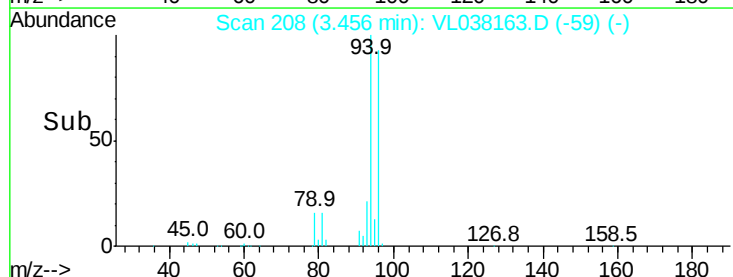
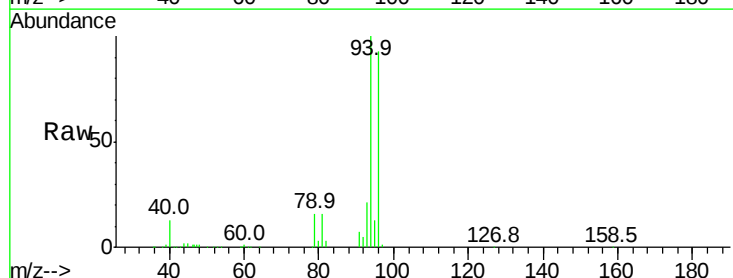
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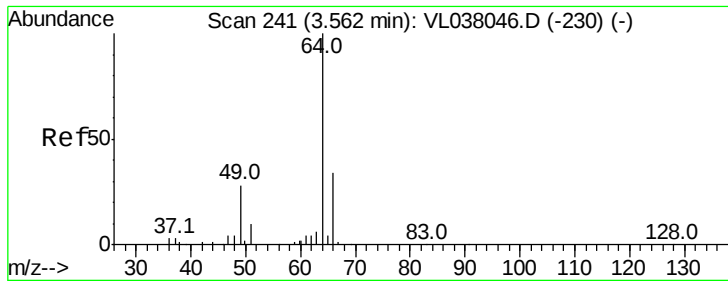
Tgt Ion: 94 Resp: 352913

Ion Ratio Lower Upper

94 100

96 93.4 73.9 110.9





#7

Chloroethane

Concen: 8.180 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:

Ion Ratio

64 100

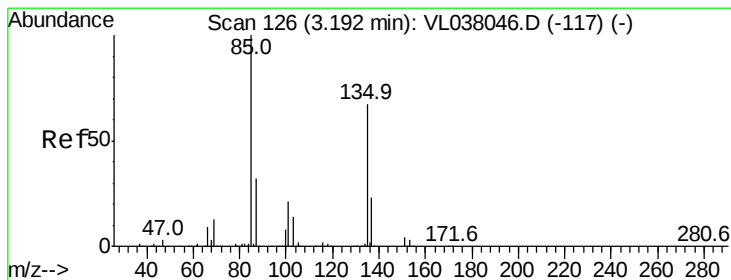
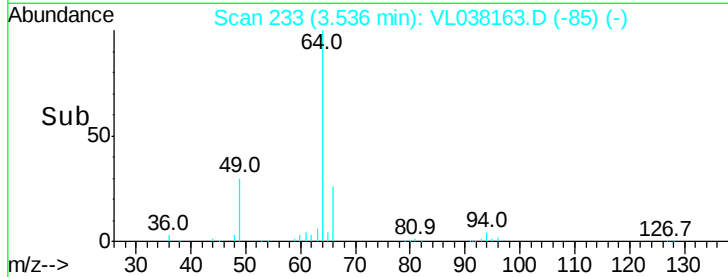
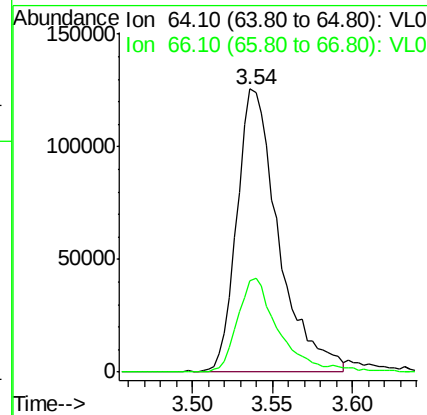
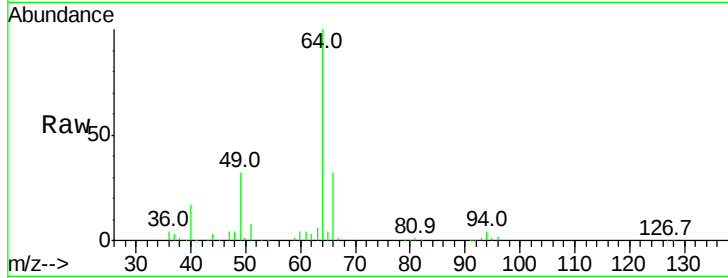
66 32.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#8

Dichlorotetrafluoroethane

Concen: 8.495 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.02 min

Lab File: VL038163.D

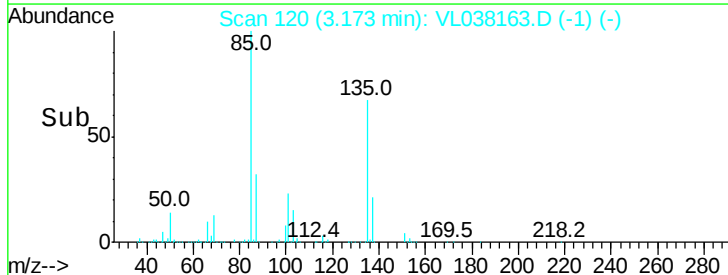
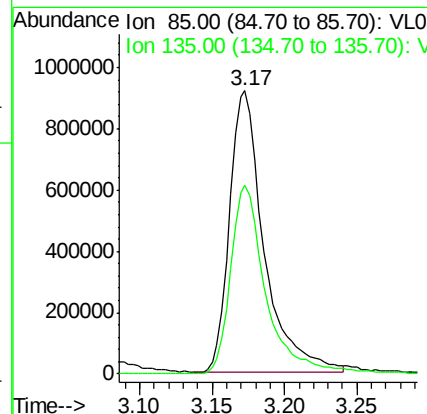
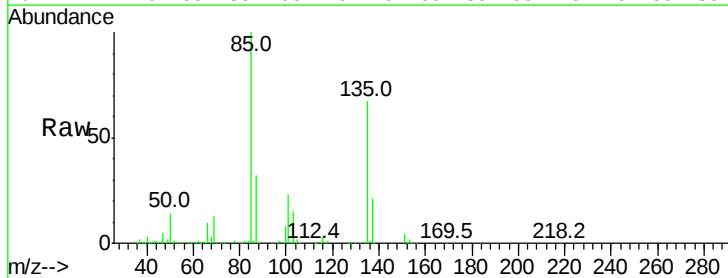
Acq: 14 Dec 2021 12:51

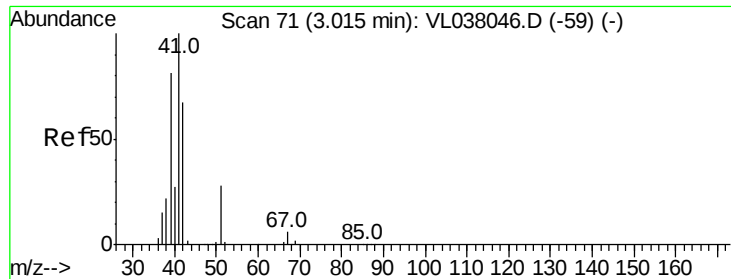
Tgt Ion: 85 Resp: 1517855

Ion Ratio Lower Upper

85 100

135 69.4 57.9 86.9





#9

Propene

Concen: 7.626 ppbv

RT: 3.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010

Acq: 14 Dec 2021 12:51

Tot Ion:

Ion Ratio

41 100

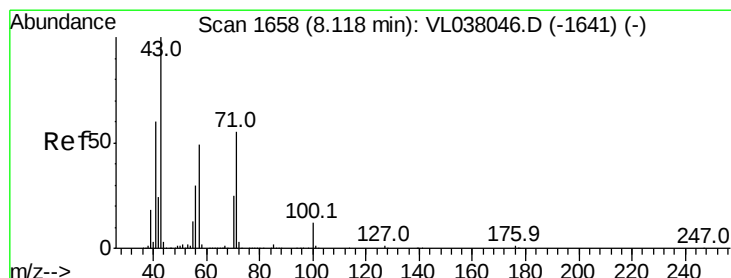
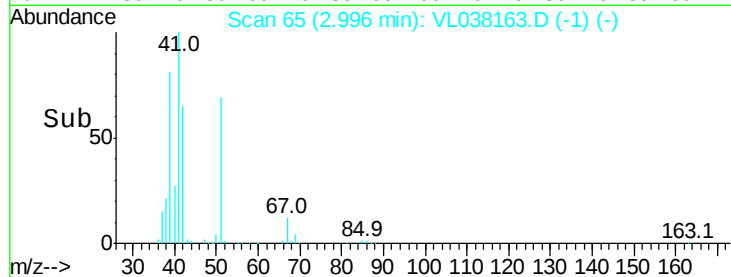
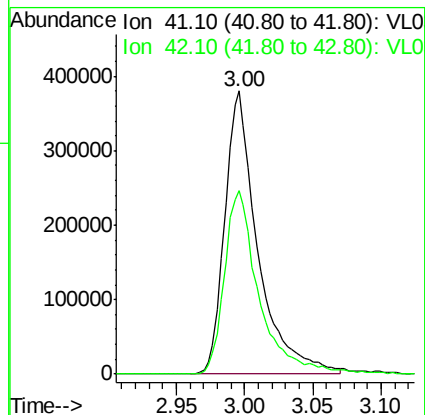
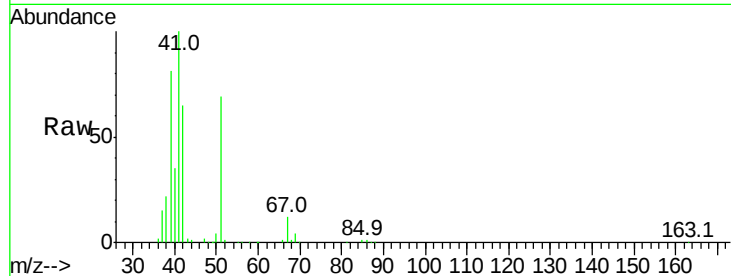
42 68.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#10

Heptane

Concen: 7.772 ppbv

RT: 8.09 min Scan# 1648

Delta R.T. -0.03 min

Lab File: VL038163.D

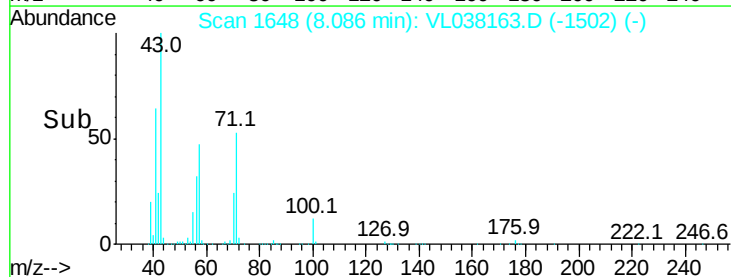
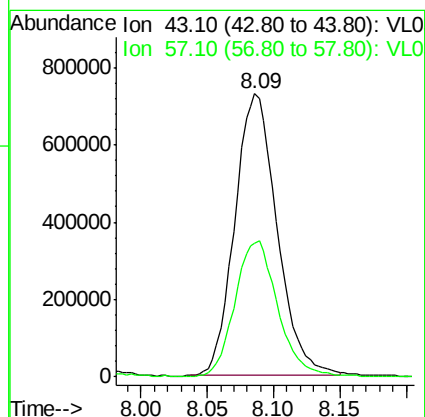
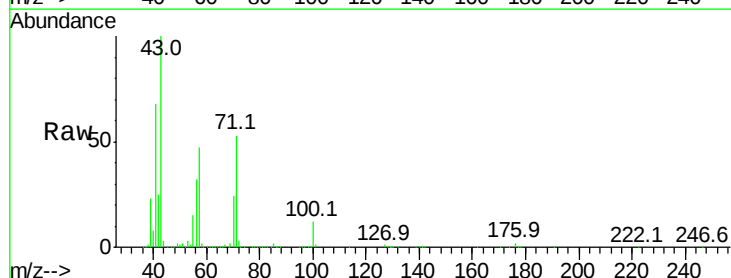
Acq: 14 Dec 2021 12:51

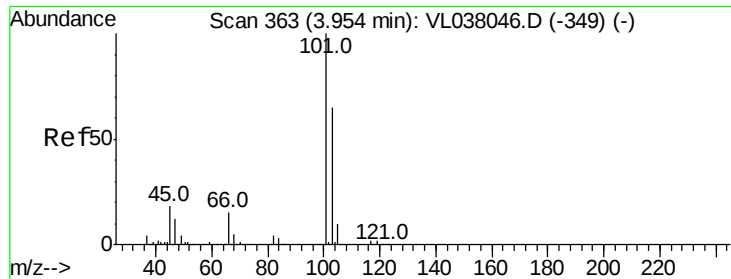
Tgt Ion: 43 Resp: 1615433

Ion Ratio Lower Upper

43 100

57 49.4 40.4 60.6



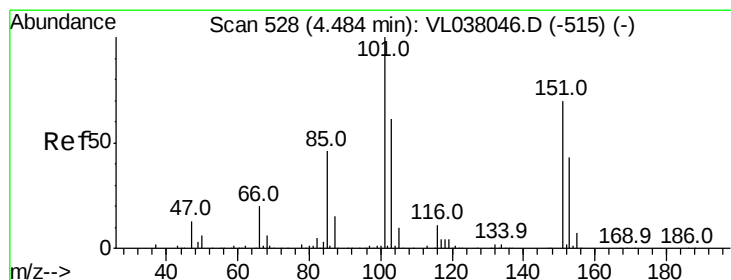
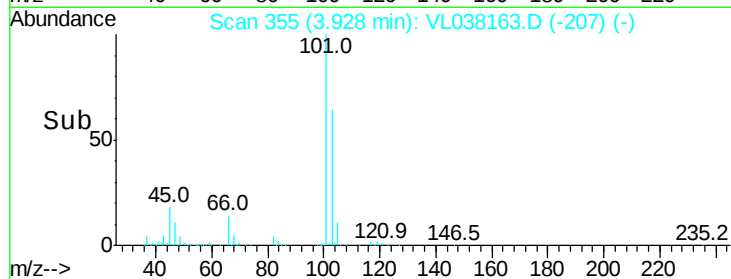
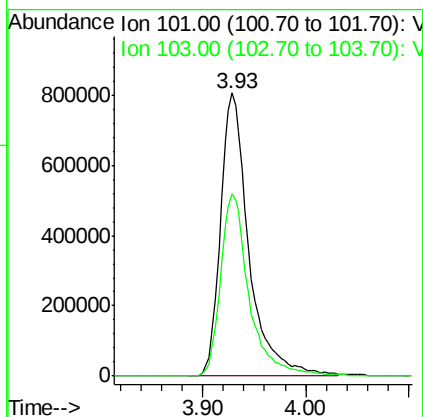
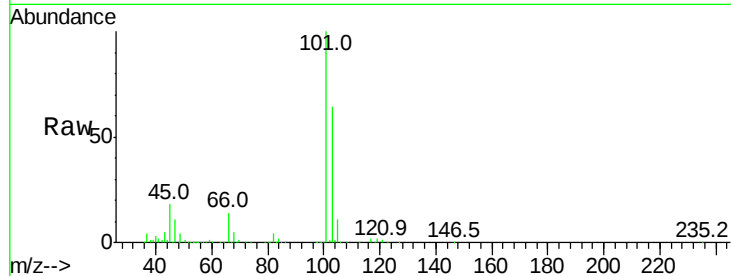


#11
 Trichlorofluoromethane
 Concen: 9.027 ppbv
 RT: 3.93
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 14 Dec 2021 12:51

Tot Ion:1
 Ion Rati
 101 100
 103 64.

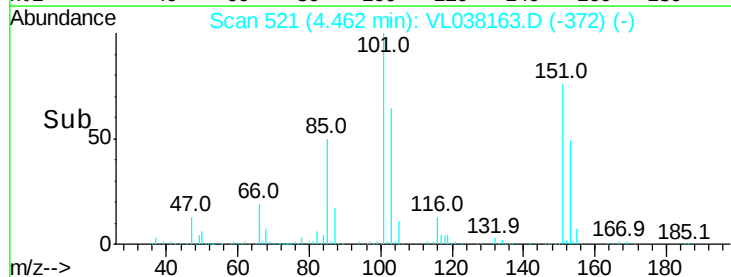
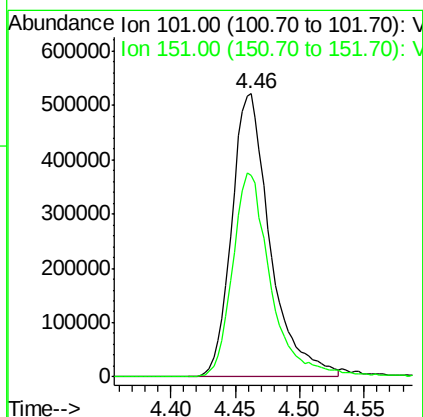
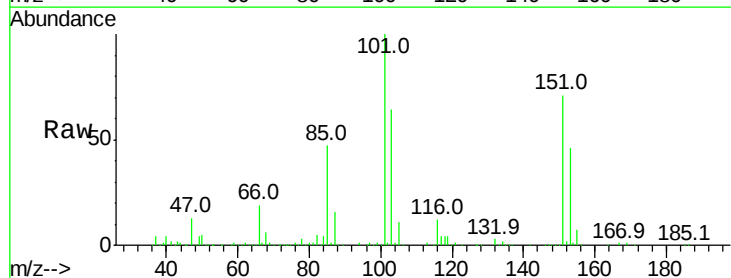
Manual Integrations
 APPROVED

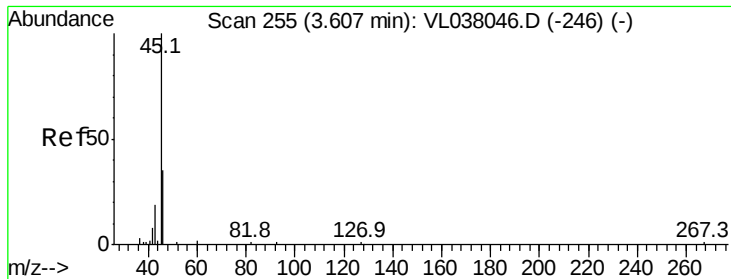
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.967 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion:101 Resp: 1083624
 Ion Ratio Lower Upper
 101 100
 151 71.9 59.0 88.4



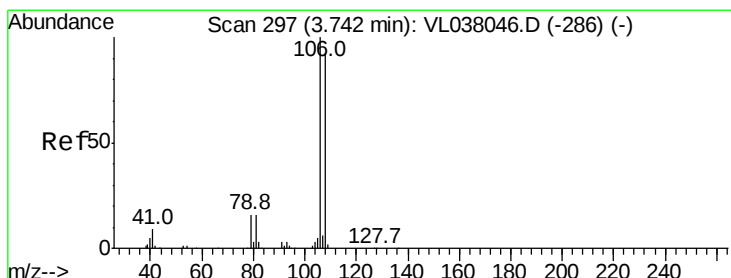
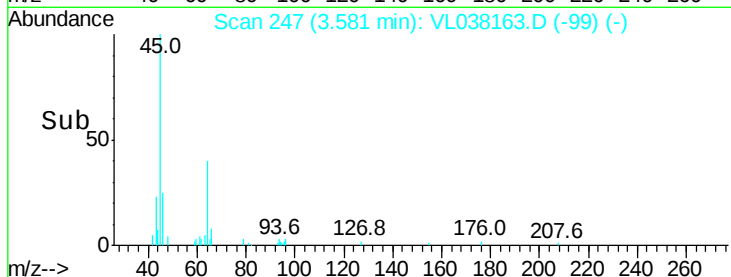
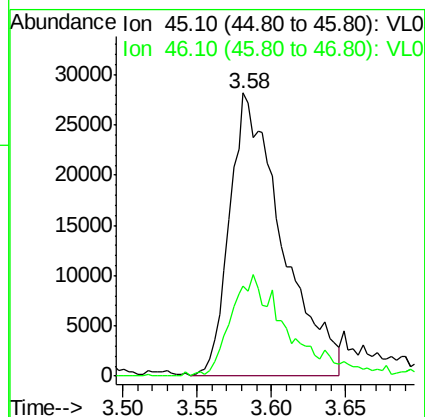
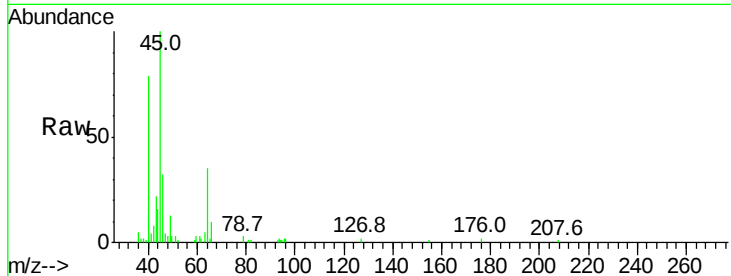


#13
Ethanol
Concen: 8.483 ppbv m
RT: 3.58
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:
Ion Ratio
45 100
46 40.

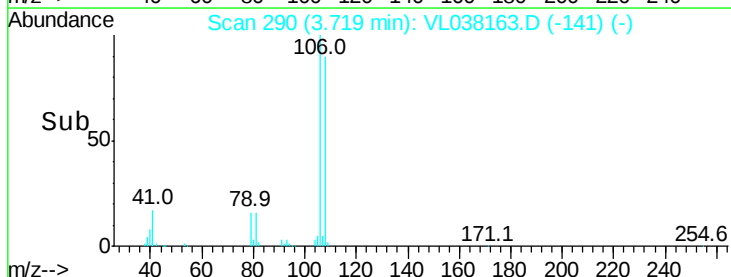
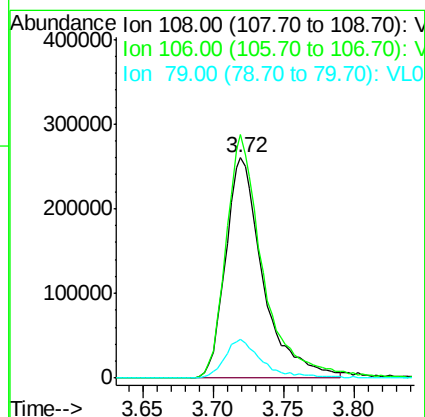
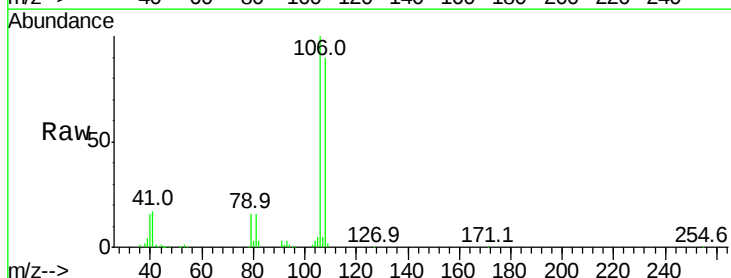
Manual Integrations
APPROVED

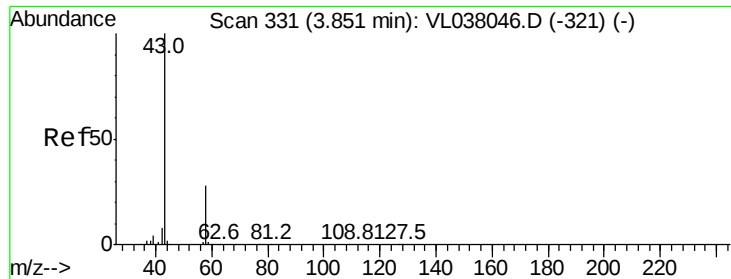
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#14
Bromoethene
Concen: 8.896 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.02 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion:108 Resp: 481342
Ion Ratio Lower Upper
108 100
106 110.7 89.4 134.0
79 17.8 14.1 21.1



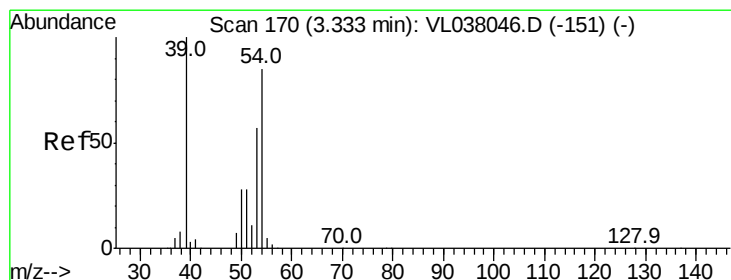
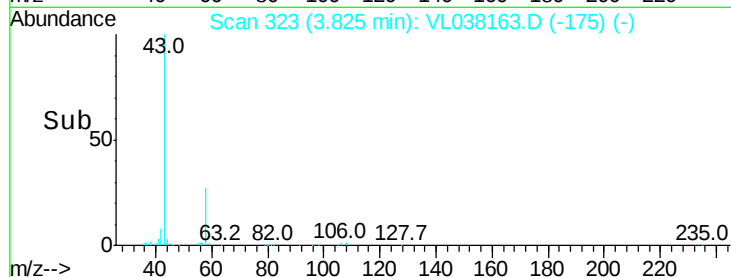
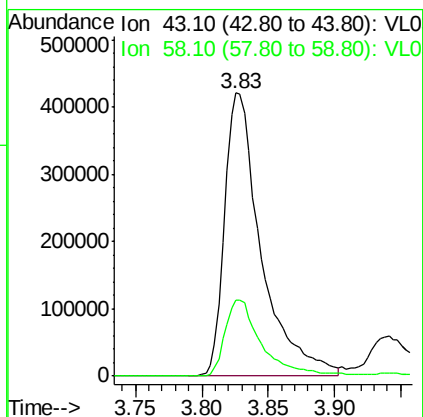
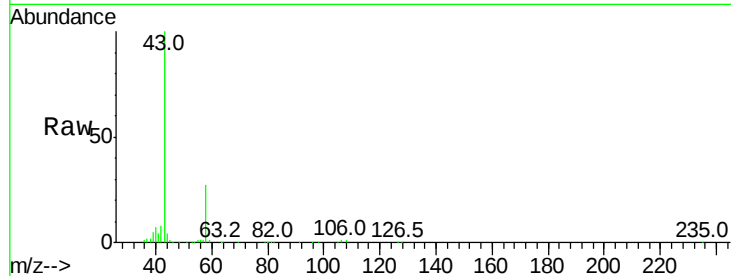


#15
Acetone
Concen: 8.572 ppbv
RT: 3.83
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:
Ion Ratio
43 100
58 27.

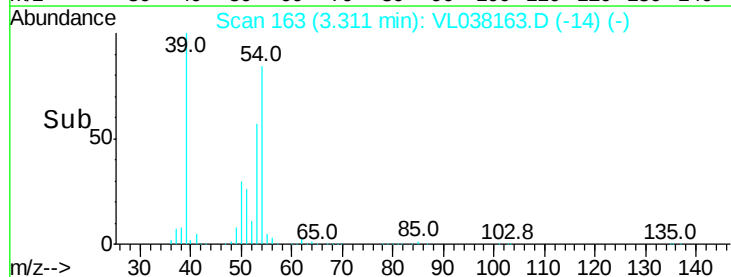
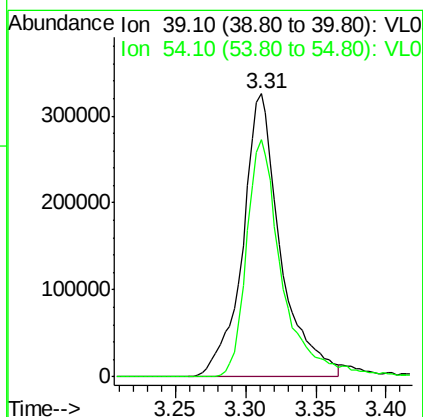
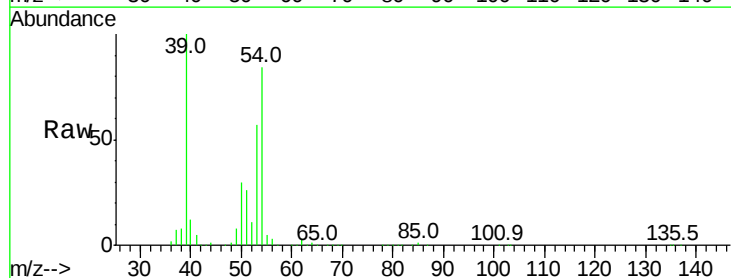
Manual Integrations
APPROVED

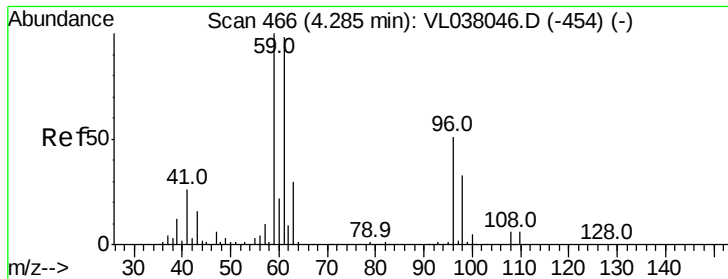
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#16
1,3-Butadiene
Concen: 8.316 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.02 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 39 Resp: 611654
Ion Ratio Lower Upper
39 100
54 79.7 64.4 96.6





#17

tert-Butyl alcohol

Concen: 8.756 ppbv

RT: 4.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:

Ion Ratio

59 100

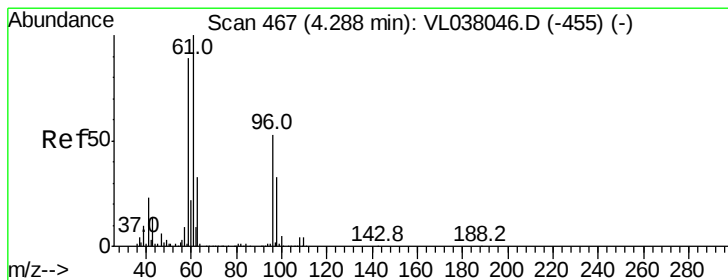
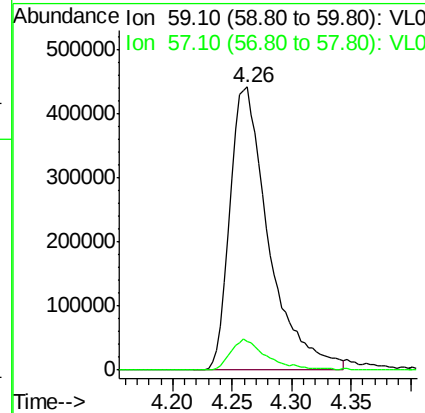
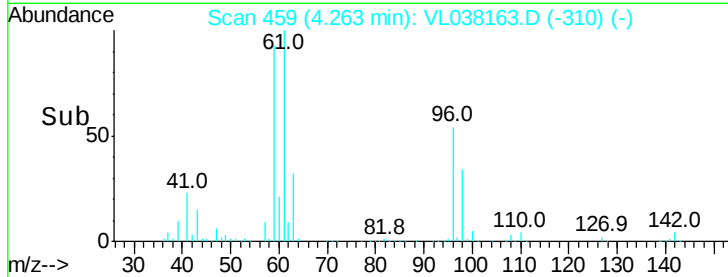
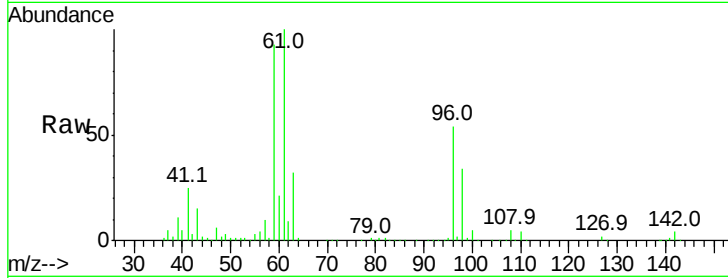
57 10.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#18

1,1-Dichloroethene

Concen: 8.871 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.02 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

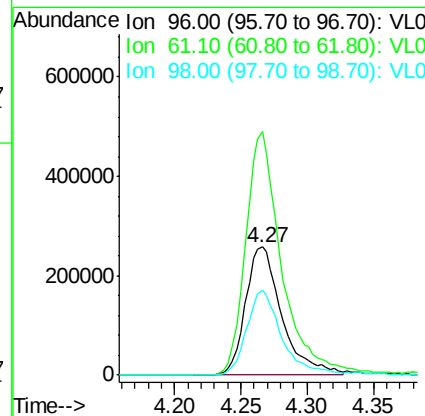
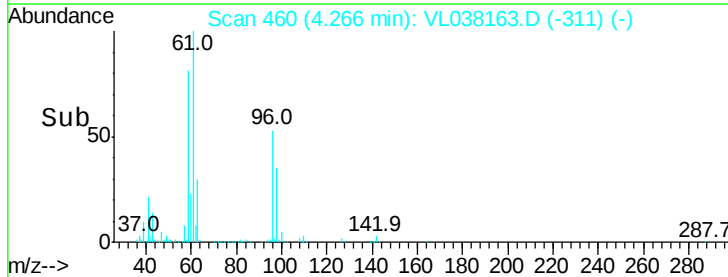
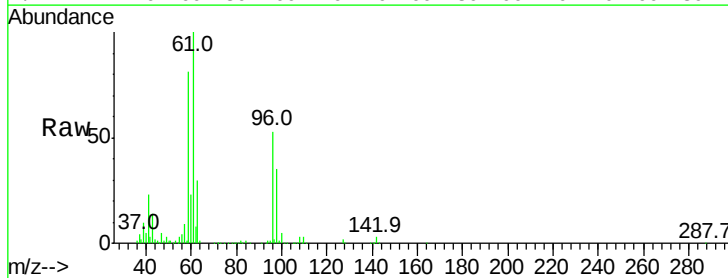
Tgt Ion: 96 Resp: 491728

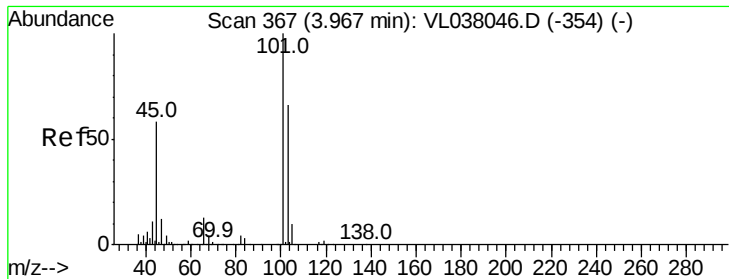
Ion Ratio Lower Upper

96 100

61 190.2 149.8 224.8

98 65.9 50.2 75.2





#19

Isopropyl Alcohol

Concen: 8.471 ppbv

RT: 3.94 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:

Ion Ratio

45 100

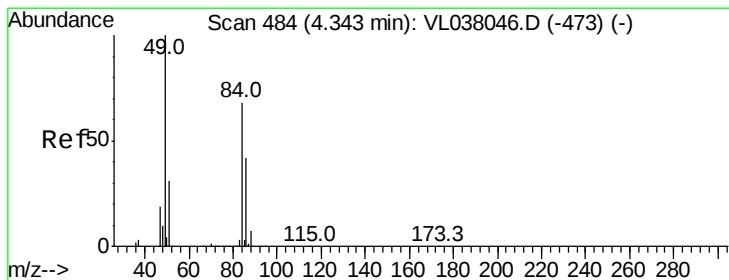
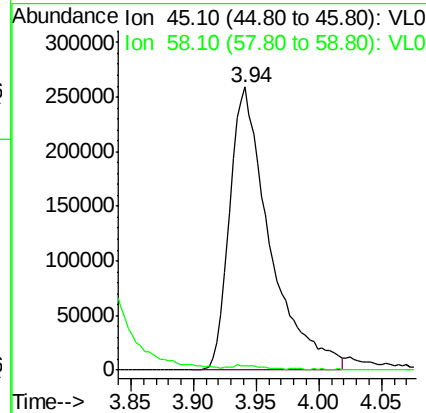
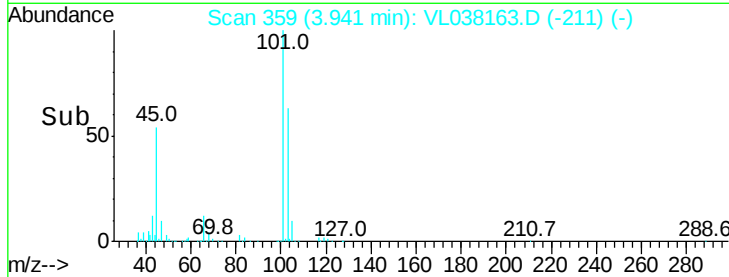
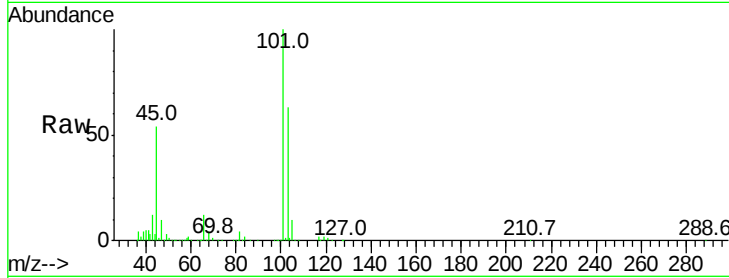
58 1.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#20

Methylene Chloride

Concen: 7.916 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion: 84 Resp: 418015

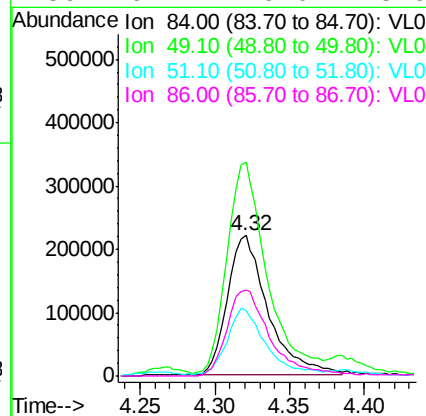
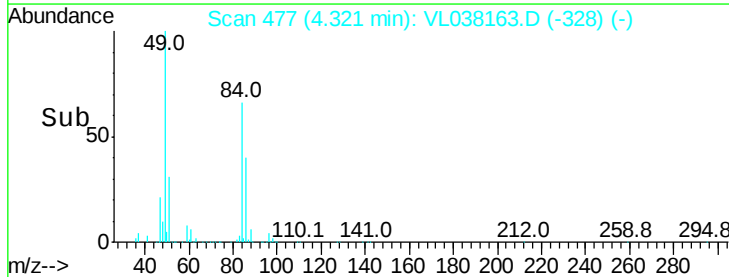
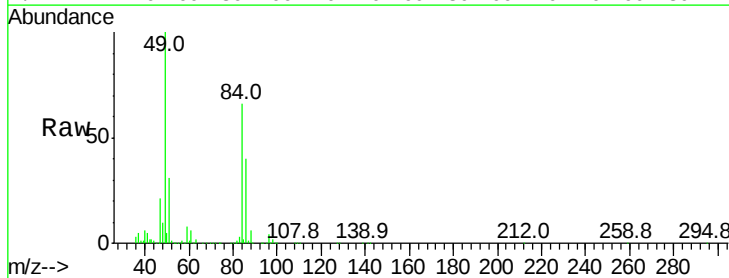
Ion Ratio Lower Upper

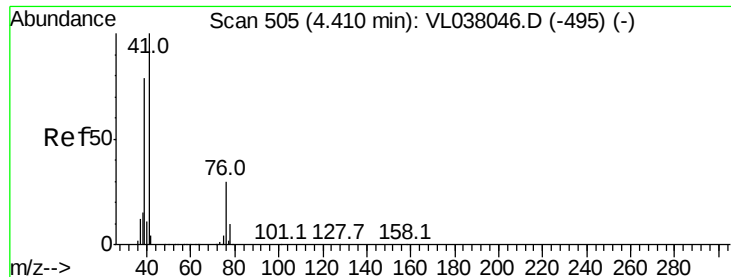
84 100

49 150.6 118.2 177.2

51 45.6 36.8 55.2

86 61.1 49.0 73.6



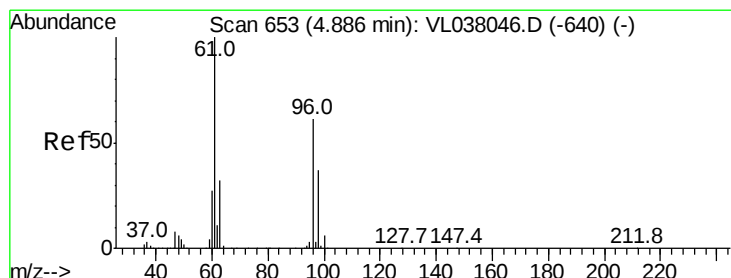
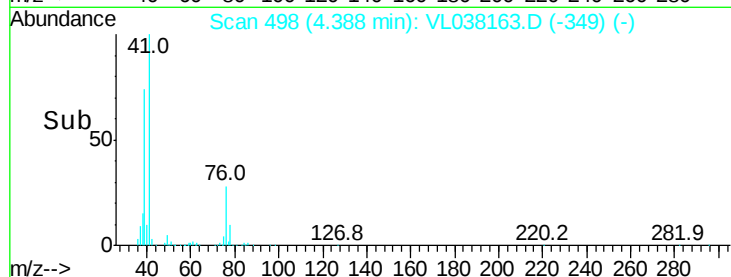
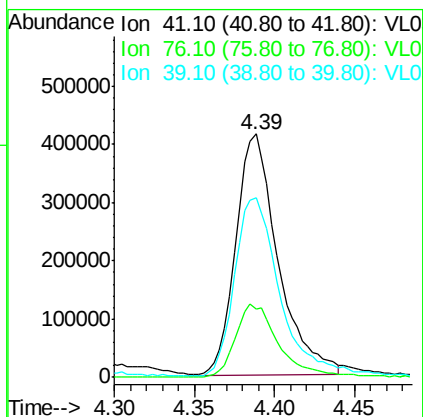
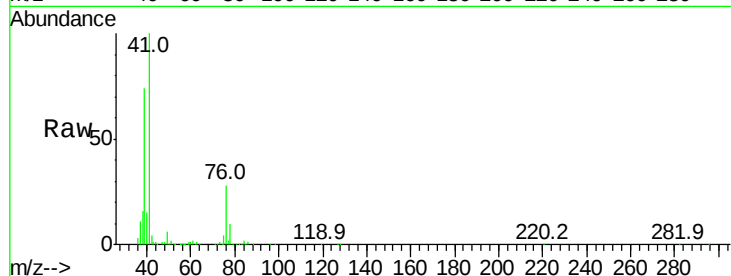


#21
Allvl Chloride
Concen: 8.587 ppbv
RT: 4.39
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51

Tot Ion:
Ion Ratio
41 100
76 31.
39 80.

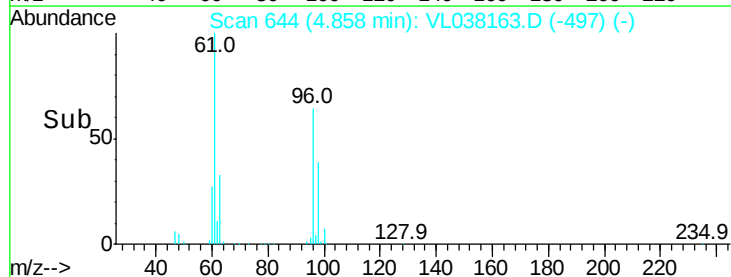
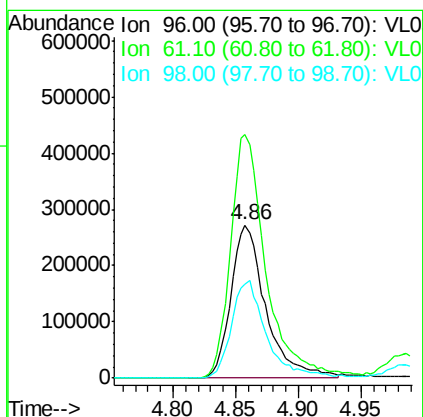
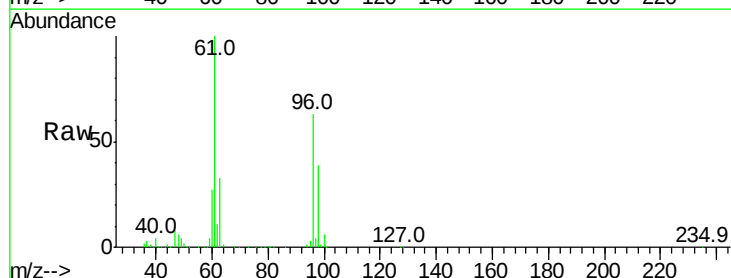
Manual Integrations
APPROVED

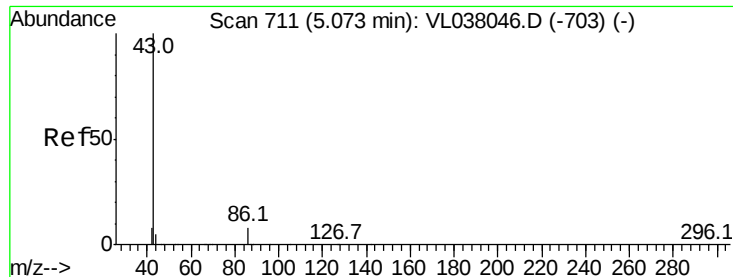
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#22
trans-1,2-Dichloroethene
Concen: 9.362 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.03 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 96 Resp: 525655
Ion Ratio Lower Upper
96 100
61 159.0 131.6 197.4
98 61.5 48.4 72.6





#23

Vinyl Acetate

Concen: 8.942 ppbv

RT: 5.04 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:

Ion Ratio

43 100

86 7.

42 9.

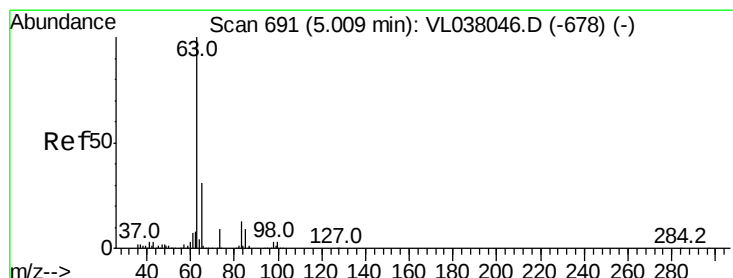
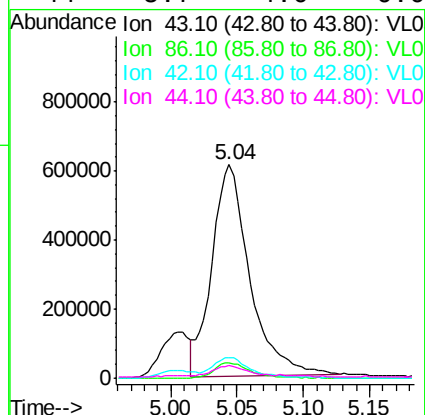
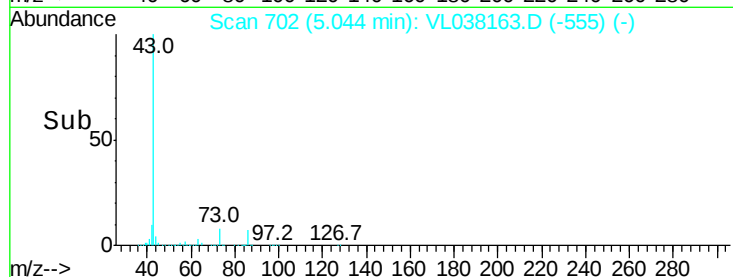
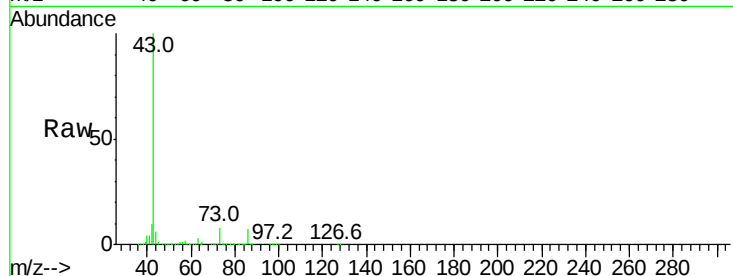
44 5.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#24

1,1-Dichloroethane

Concen: 8.949 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.03 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion: 63 Resp: 1017061

Ion Ratio Lower Upper

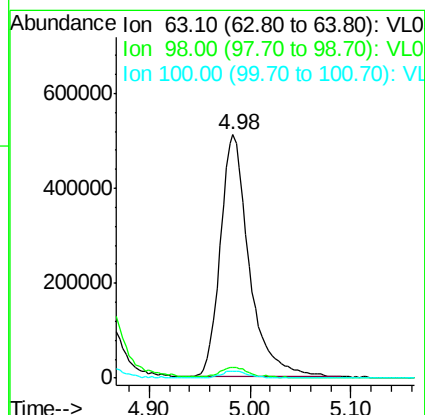
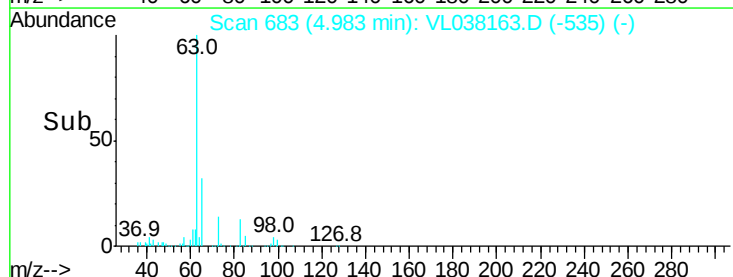
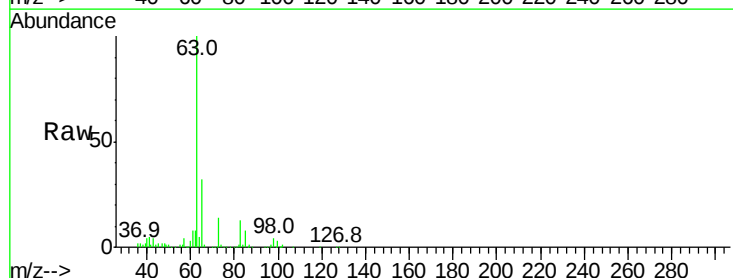
63 100

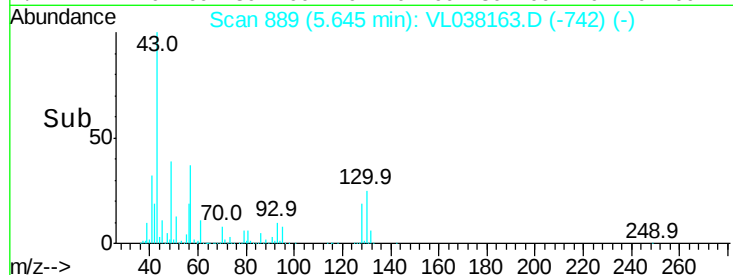
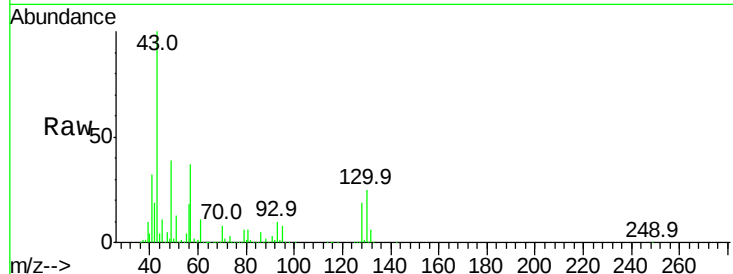
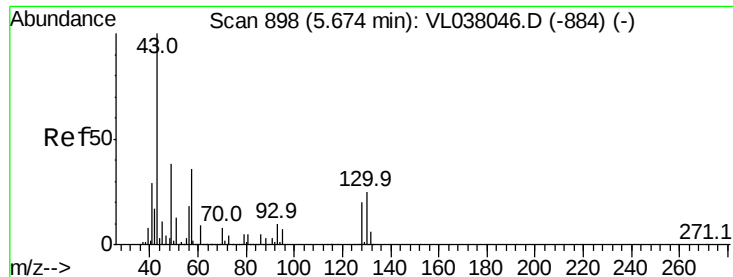
98 4.3

100 2.9

1.8 5.4

1.4 4.0



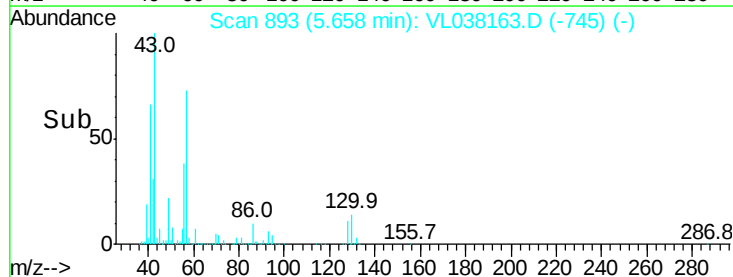
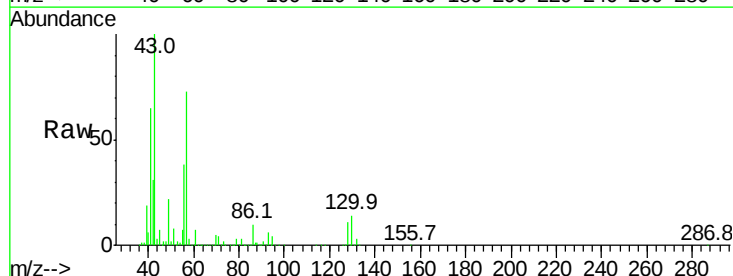
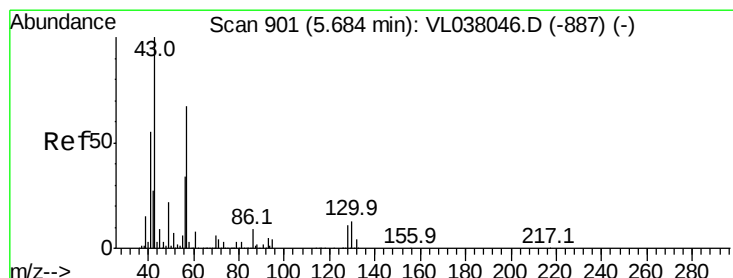
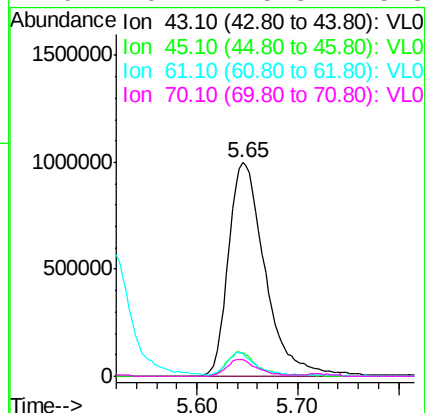


#25
Ethyl Acetate
Concen: 7.988 ppbv
RT: 5.65
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:
Ion Ratio
43 100
45 9.
61 9.
70 6.7 5.8 8.8

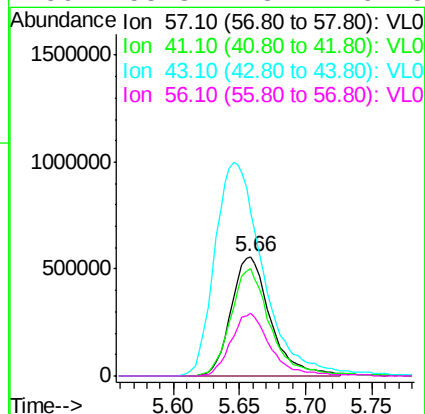
Manual Integrations
APPROVED

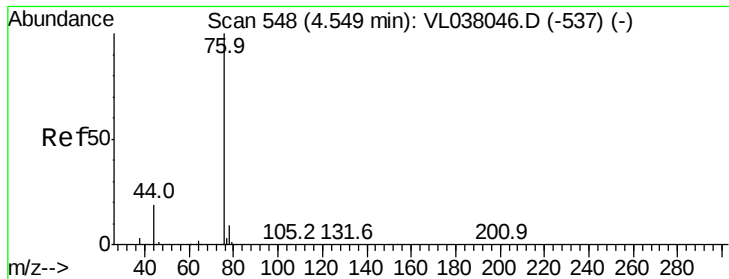
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#26
Hexane
Concen: 7.619 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 57 Resp: 1150741
Ion Ratio Lower Upper
57 100
41 91.6 71.4 107.2
43 220.4 174.6 261.8
56 53.3 43.2 64.8





#27

Carbon Disulfide

Concen: 9.715 ppbv

RT: 4.52 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:

Ion Ratio

76 100

44 19.

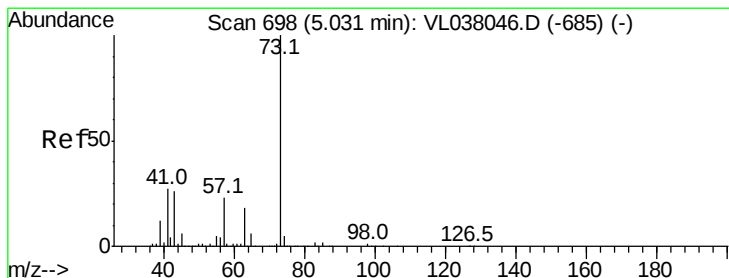
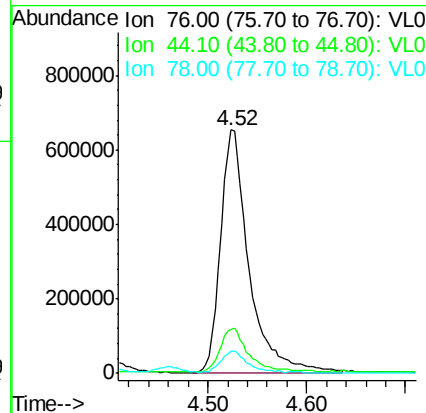
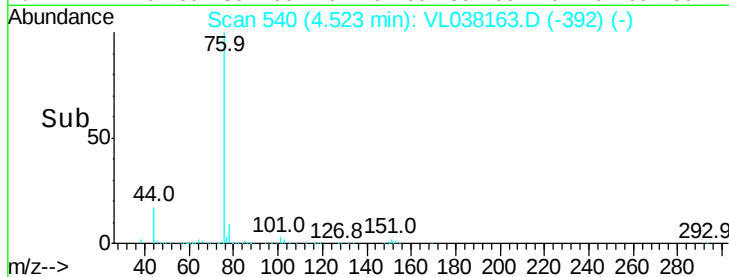
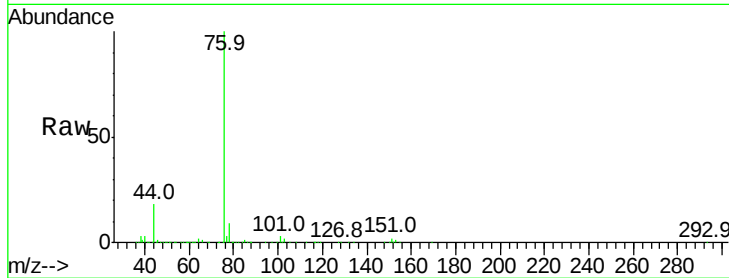
78 9.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#28

Methyl tert-Butyl Ether

Concen: 8.495 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.03 min

Lab File: VL038163.D

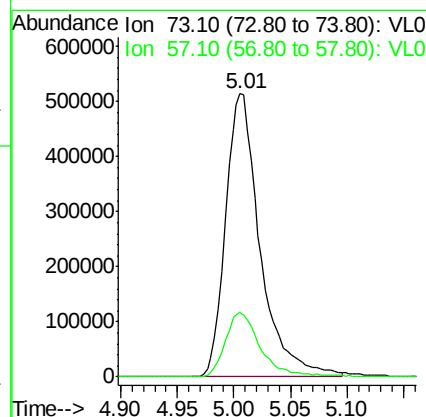
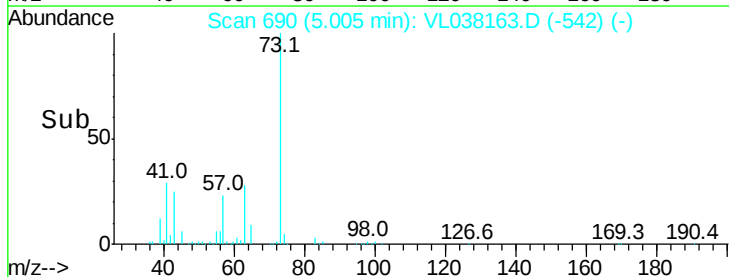
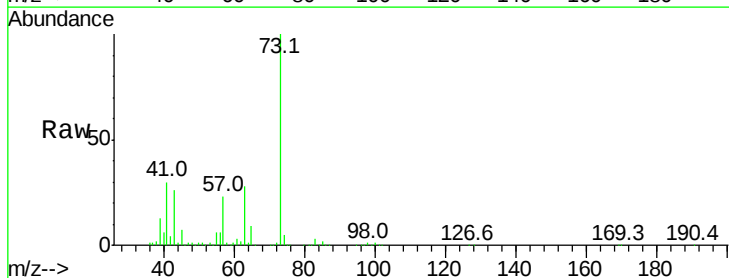
Acq: 14 Dec 2021 12:51

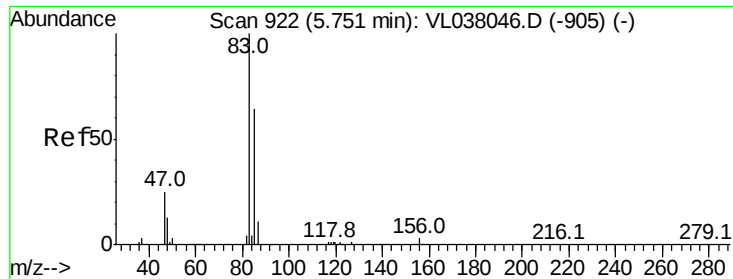
Tgt Ion: 73 Resp: 1089814

Ion Ratio Lower Upper

73 100

57 23.7 19.0 28.4



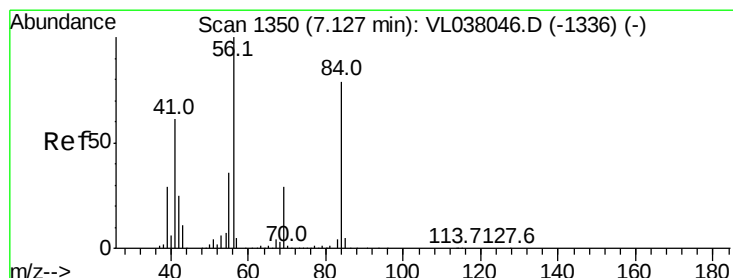
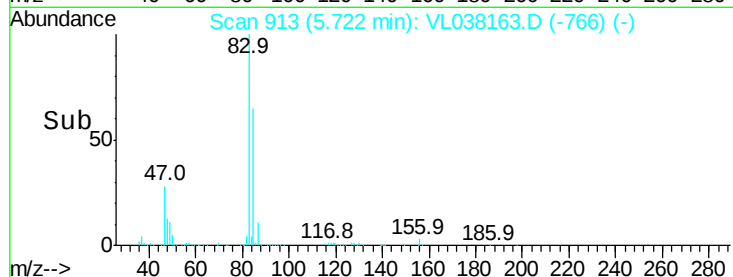
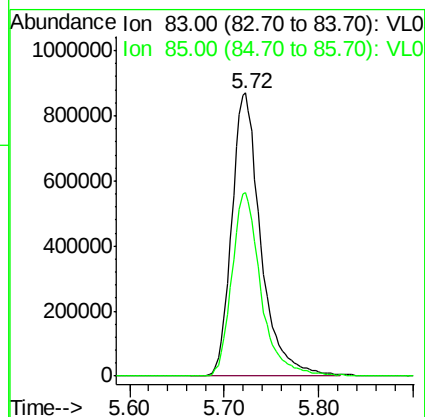
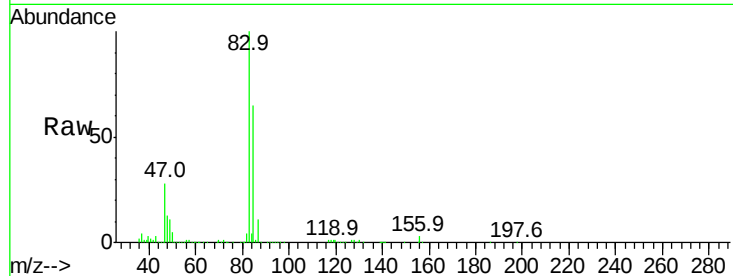


#29
Chloroform
Concen: 8.347 ppbv
RT: 5.72
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51

Tot Ion:
Ion Ratio
83 100
85 64.

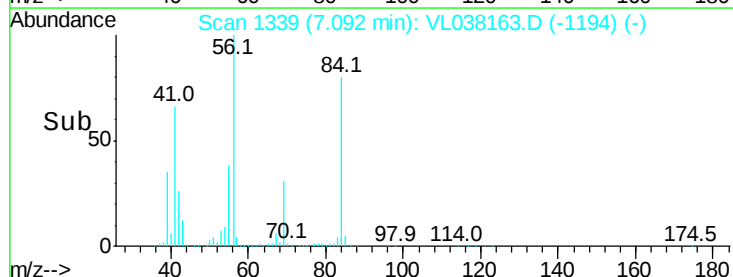
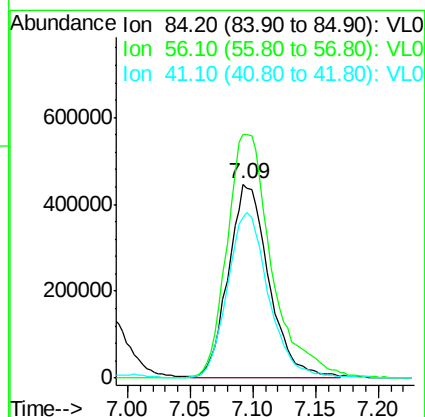
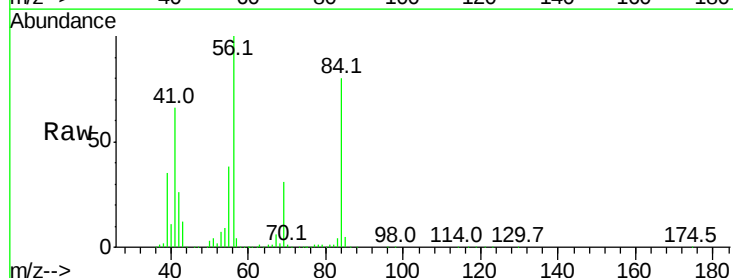
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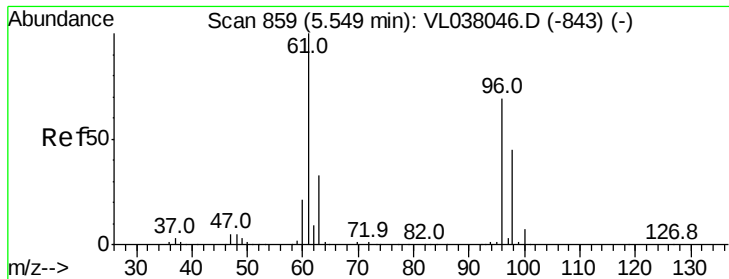
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#30
Cyclohexane
Concen: 7.339 ppbv
RT: 7.09 min Scan# 1339
Delta R.T.: -0.04 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 84 Resp: 1006245
Ion Ratio Lower Upper
84 100
56 139.2 108.1 162.1
41 87.1 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 8.057 ppbv

RT: 5.52 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:

Ion Ratio

61 100

96 65.

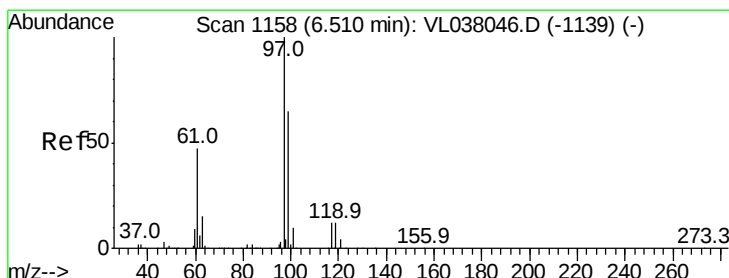
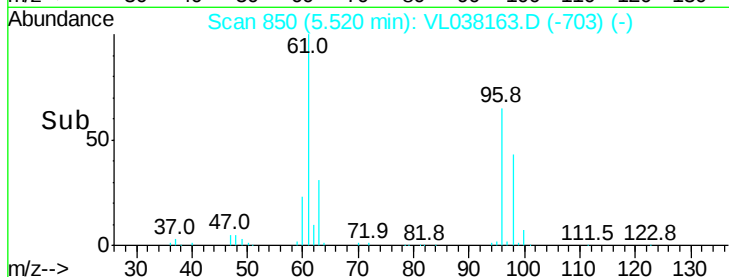
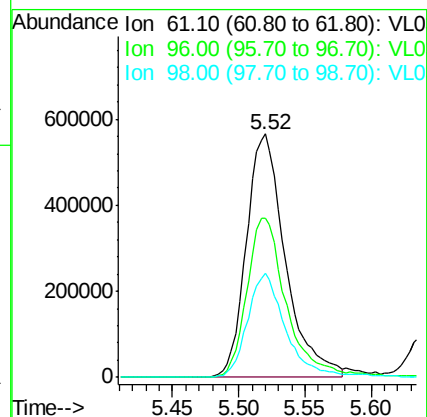
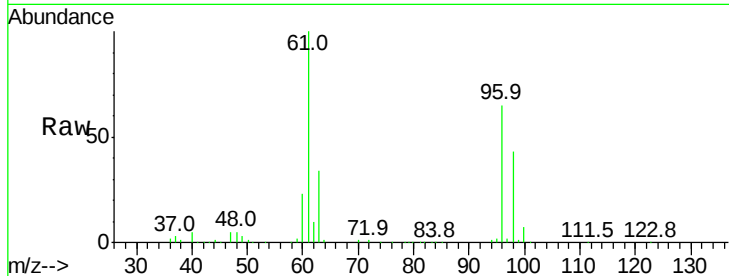
98 42.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#32

1,1,1-Trichloroethane

Concen: 8.136 ppbv

RT: 6.48 min Scan# 1148

Delta R.T. -0.03 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

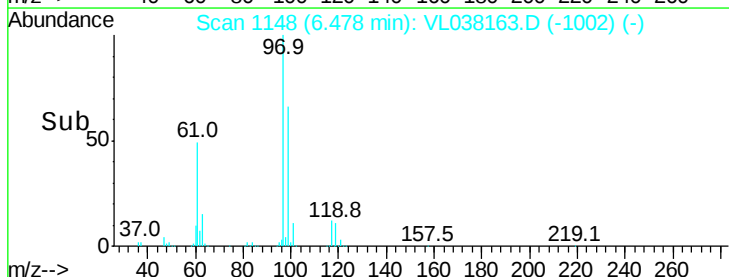
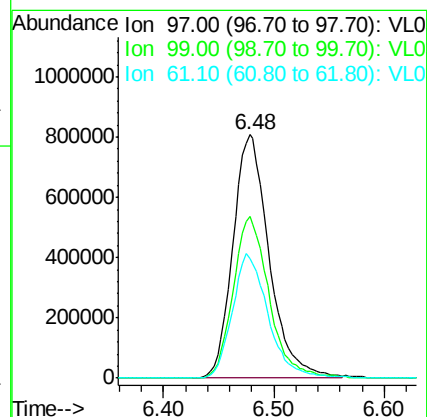
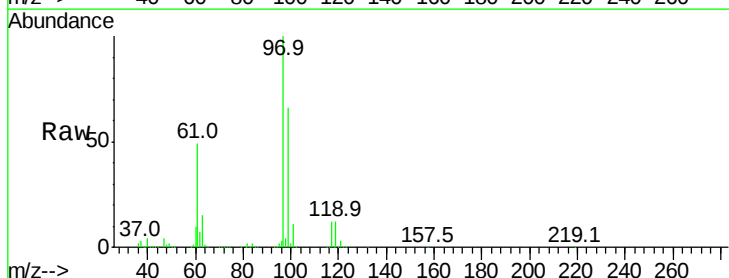
Tgt Ion: 97 Resp: 1837866

Ion Ratio Lower Upper

97 100

99 66.1 52.2 78.4

61 50.7 37.7 56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 12:51

Tot Ion:1

Ion Rati

114 100

63 27.

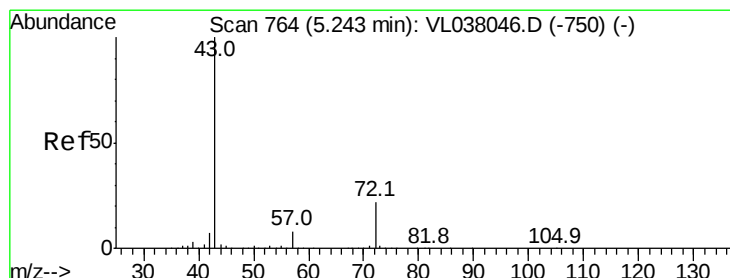
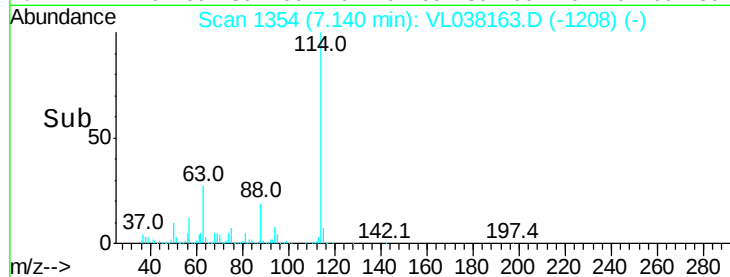
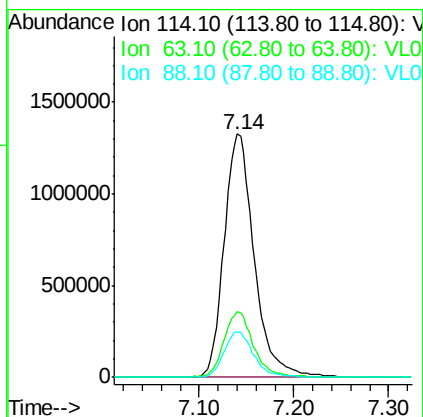
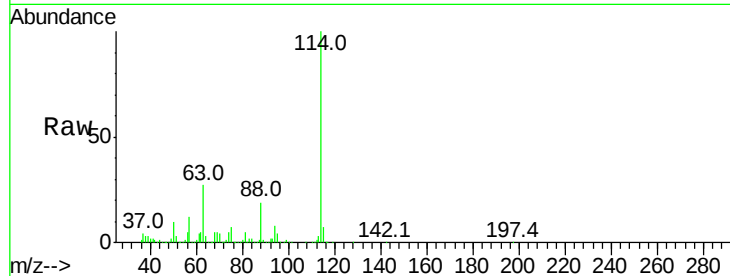
88 18.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#34

2-Butanone

Concen: 9.074 ppbv

RT: 5.21 min Scan# 755

Delta R.T. -0.03 min

Lab File: VL038163.D

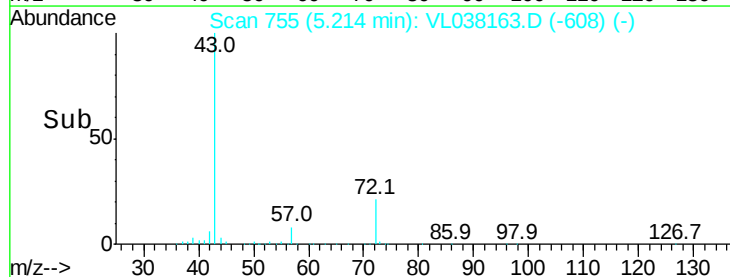
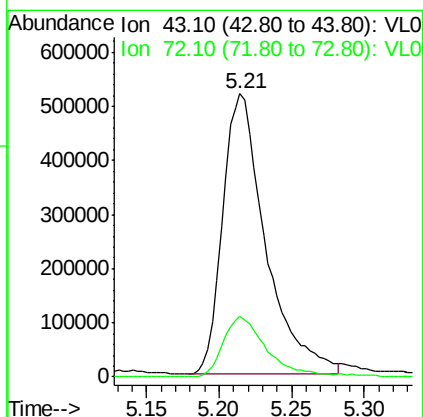
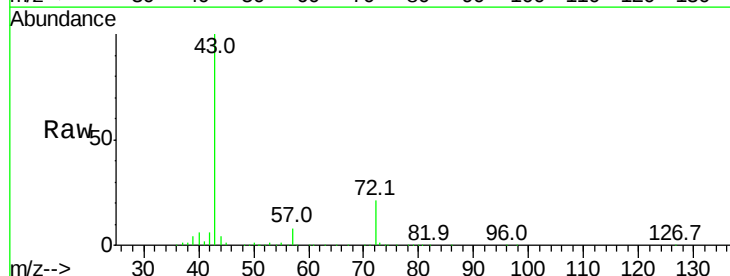
Acq: 14 Dec 2021 12:51

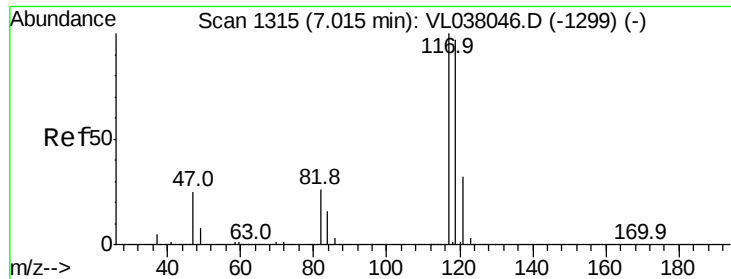
Tgt Ion: 43 Resp: 1071086

Ion Ratio Lower Upper

43 100

72 22.6 18.8 28.2



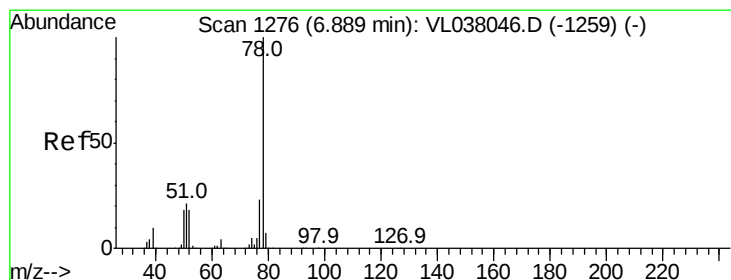
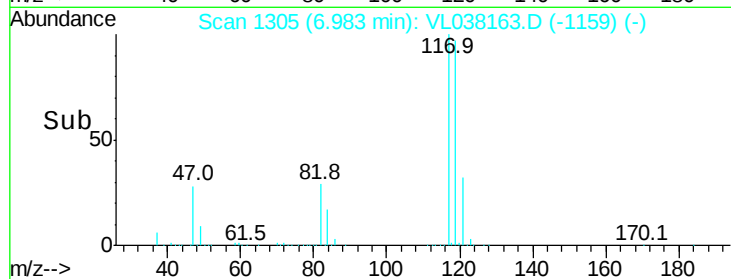
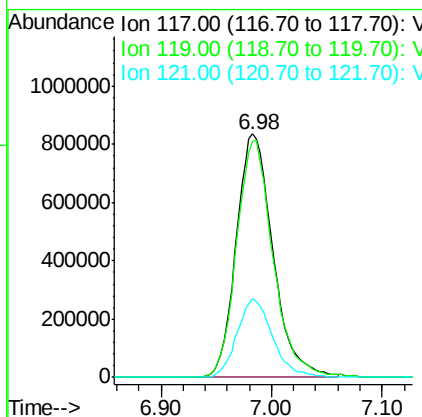
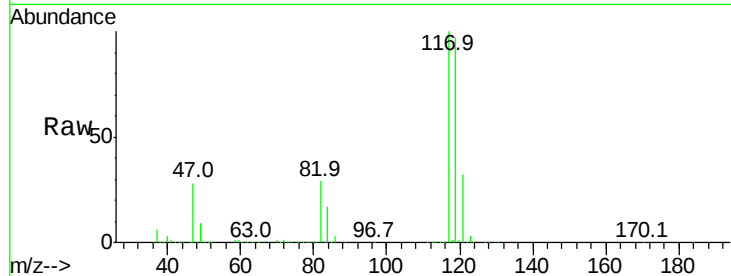


#35
Carbon Tetrachloride
Concen: 9.393 ppbv
RT: 6.98
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51

Tot Ion:1
Ion Rati
117 100
119 96.
121 32.

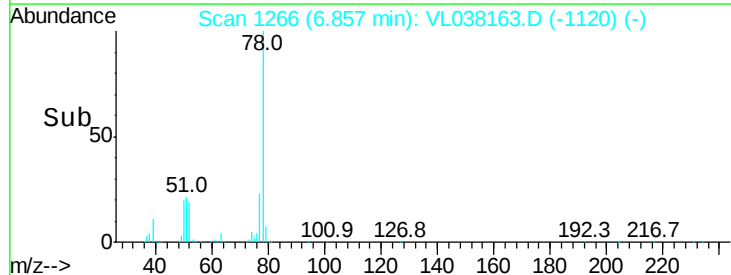
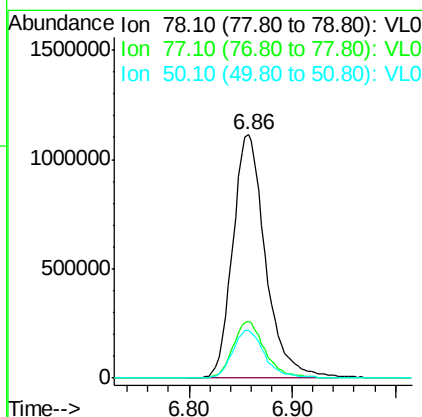
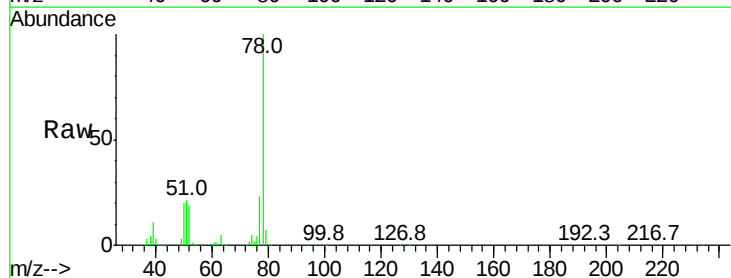
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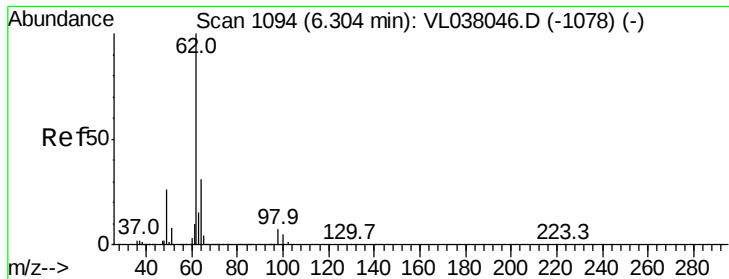
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#36
Benzene
Concen: 8.414 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.03 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 78 Resp: 2457154
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.4
50 19.7 14.7 22.1



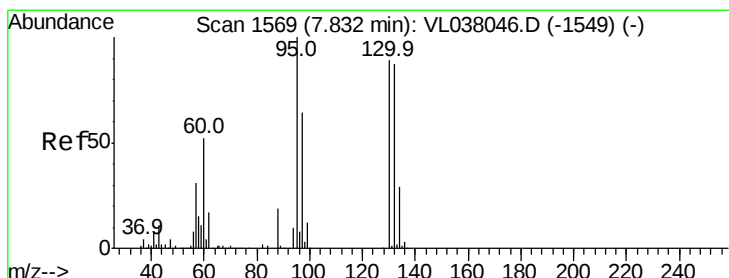
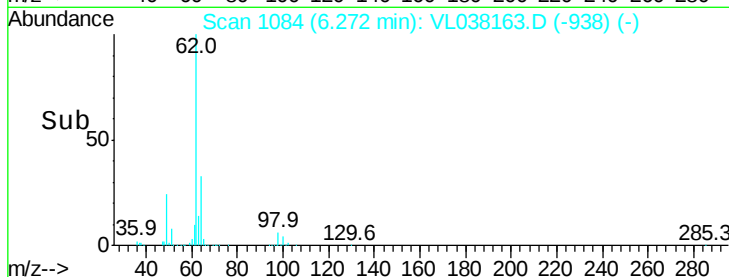
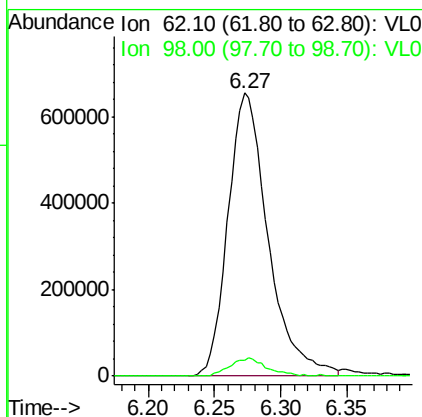
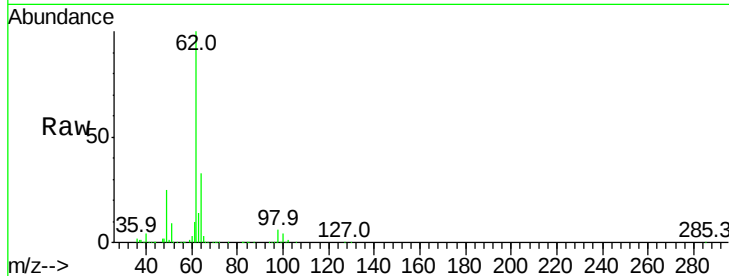


#37
 1,2-Dichloroethane
 Concen: 9.797 ppbv
 RT: 6.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 14 Dec 2021 12:51

Tot Ion:
 Ion Ratio
 62 100
 98 6.

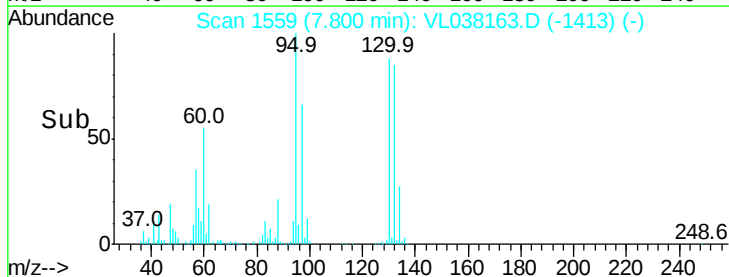
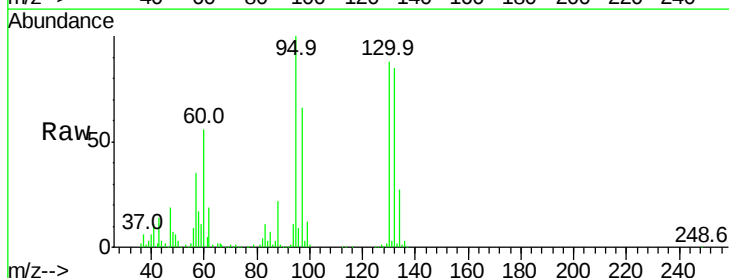
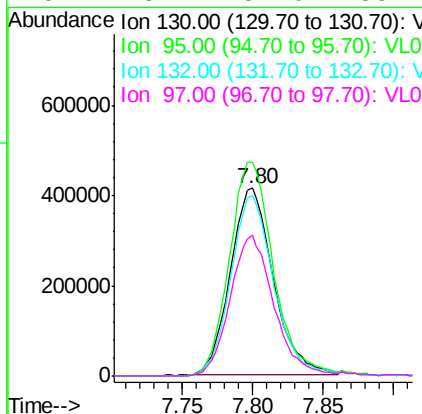
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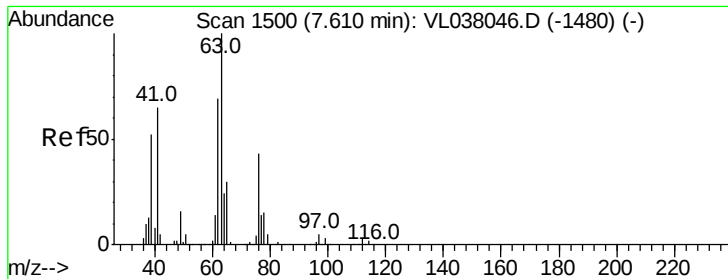
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#38
 Trichloroethene
 Concen: 8.004 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.03 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion:130 Resp: 881648
 Ion Ratio Lower Upper
 130 100
 95 114.1 89.4 134.2
 132 96.7 78.2 117.2
 97 75.2 57.0 85.4



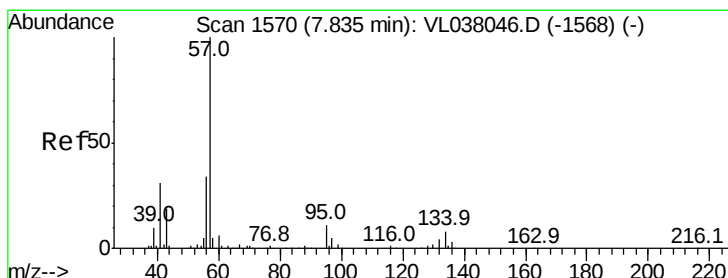
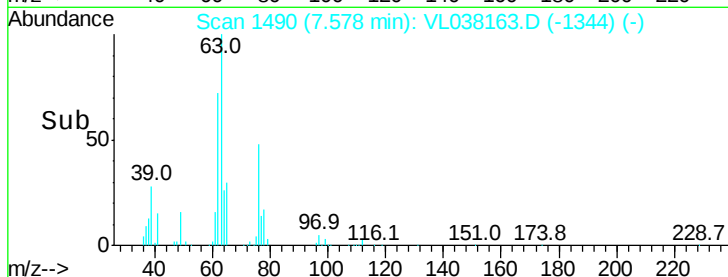
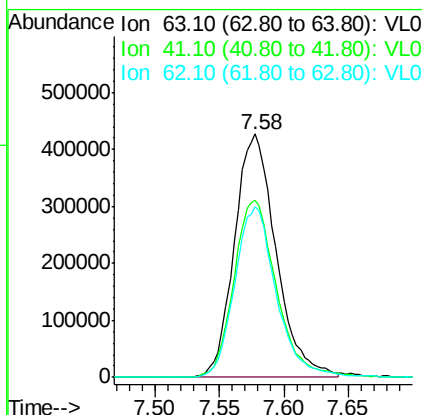
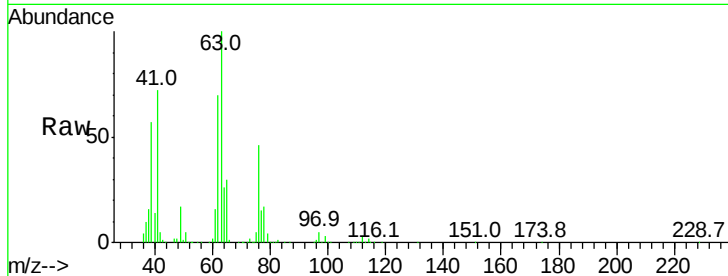


#39
 1,2-Dichloropropane
 Concen: 8.576 ppbv
 RT: 7.58
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 14 Dec 2021 12:51

Tot Ion:
 Ion Ratio
 63 100
 41 72.
 62 70.

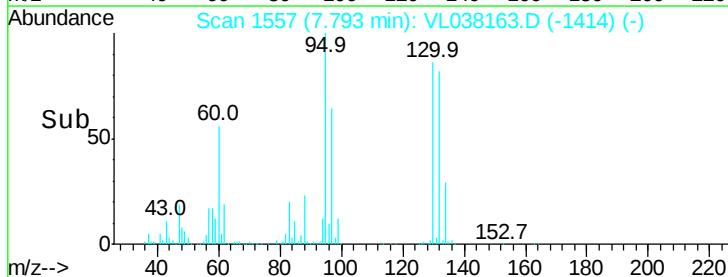
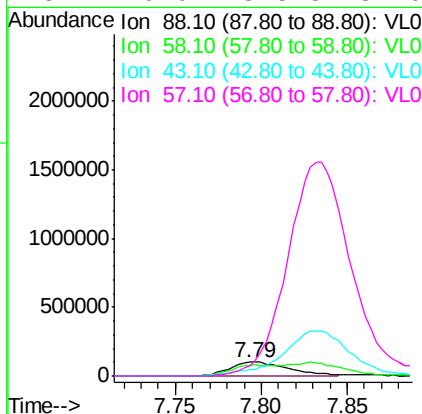
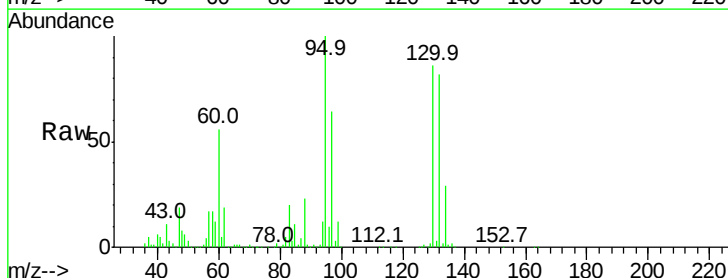
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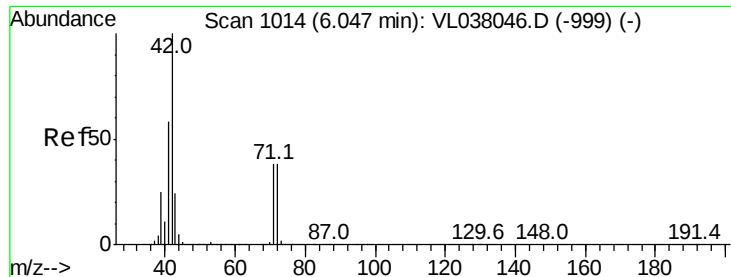
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#40
 1,4-Dioxane
 Concen: 8.311 ppbv
 RT: 7.79 min Scan# 1557
 Delta R.T. -0.04 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion: 88 Resp: 242540
 Ion Ratio Lower Upper
 88 100
 58 0.0 229.2 343.8#
 43 0.0 553.3 829.9#
 57 0.0 2513.8 3770.8#



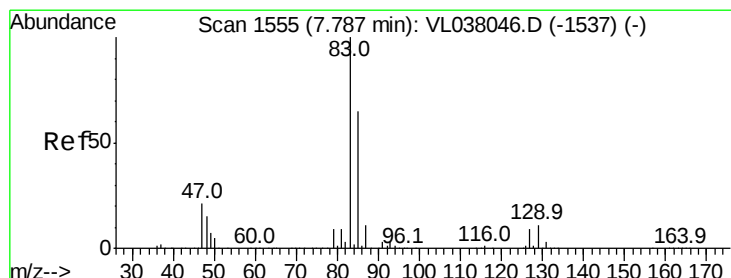
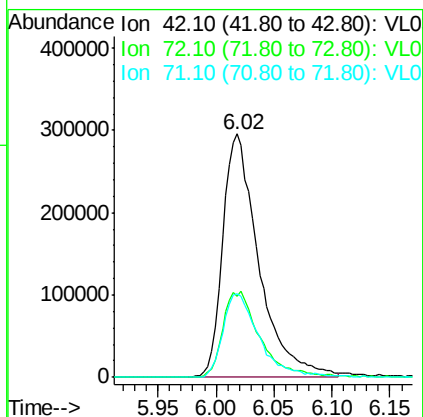
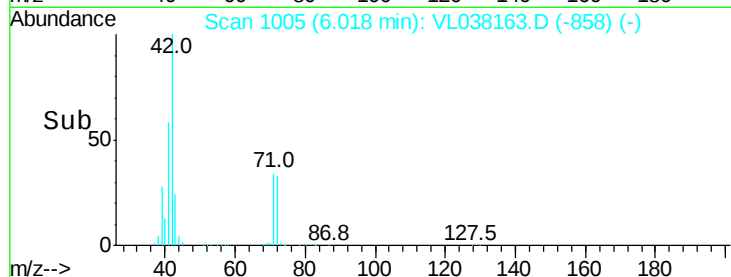
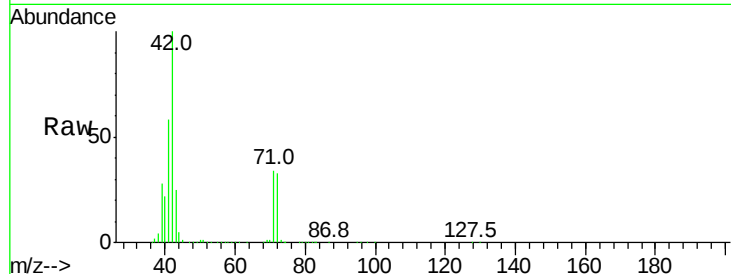


#41
Tetrahydrofuran
Concen: 8.732 ppbv
RT: 6.02
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 14 Dec 2021 12:51

Tot Ion:
Ion Ratio
42 100
72 37.
71 35.

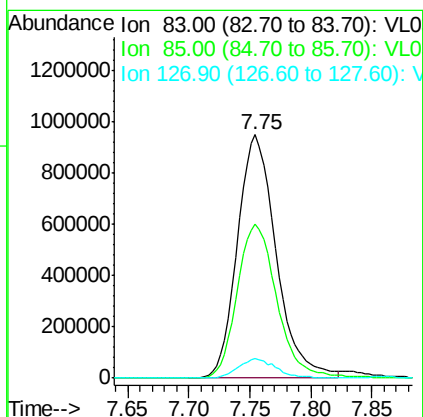
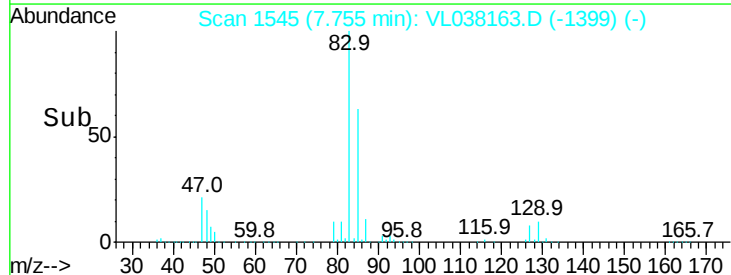
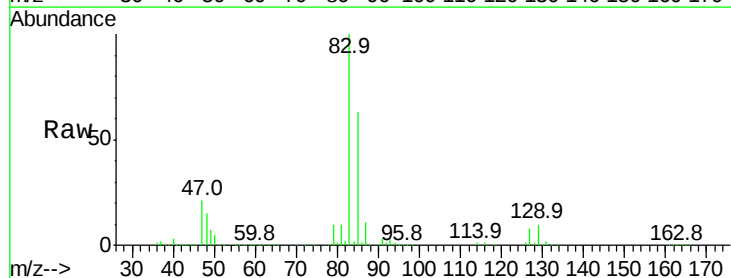
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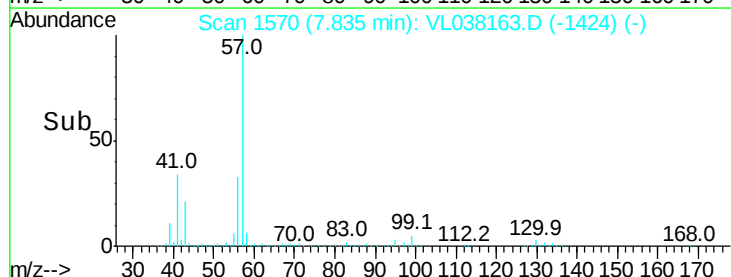
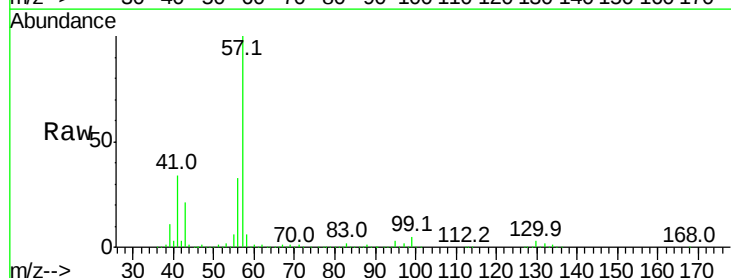
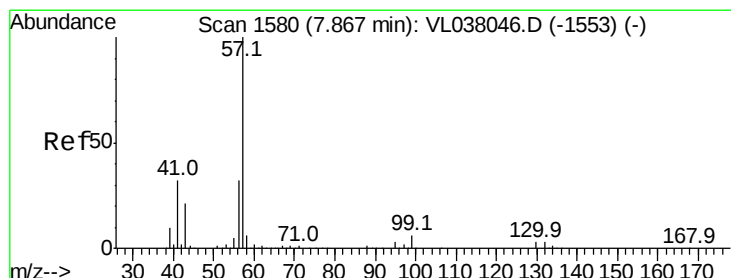
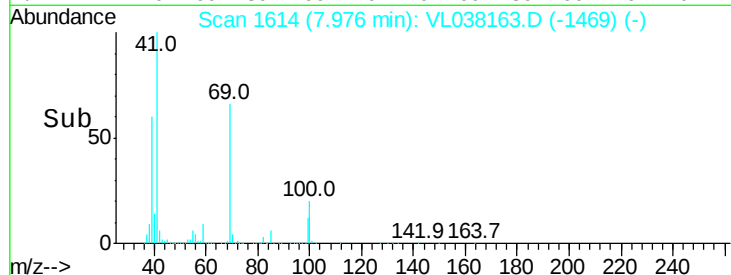
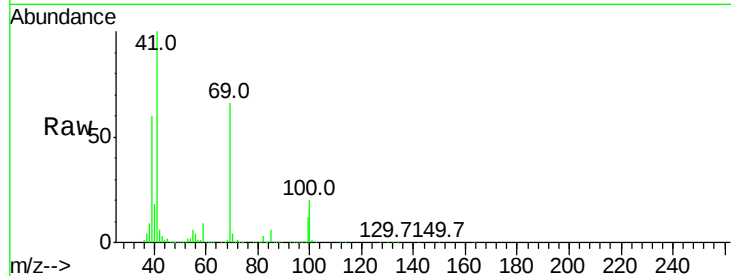
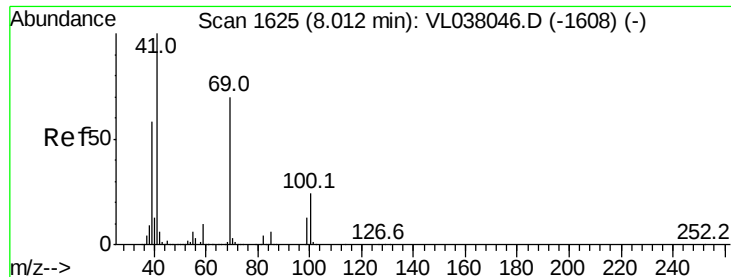
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#42
Bromodichloromethane
Concen: 9.769 ppbv
RT: 7.75 min Scan# 1545
Delta R.T. -0.03 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 83 Resp: 2094580
Ion Ratio Lower Upper
83 100
85 63.2 51.9 77.9
127 7.9 6.8 10.2



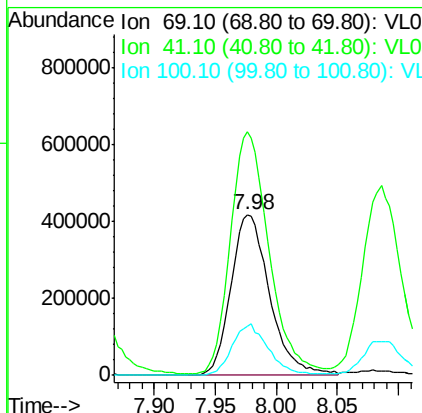


#43
Methyl Methacrylate
Concen: 9.257 ppbv
RT: 7.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 12:51

Tot Ion:
Ion Ratio
69 100
41 150.
100 30.

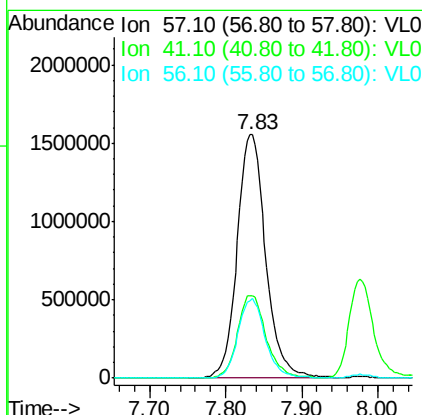
Manual Integrations
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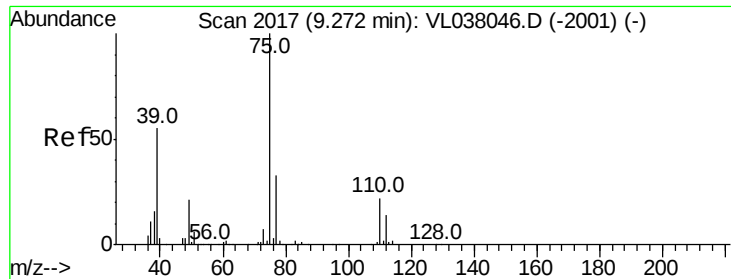
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#44
2,2,4-Trimethylpentane
Concen: 8.289 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.03 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 57 Resp: 4049877
Ion Ratio Lower Upper
57 100
41 34.1 25.8 38.6
56 31.5 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 11.019 ppbv

RT: 9.24 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:

Ion Ratio

75 100

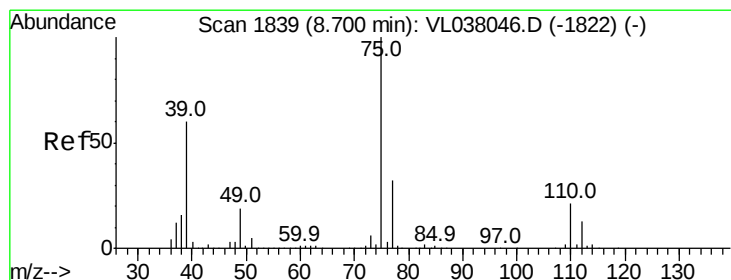
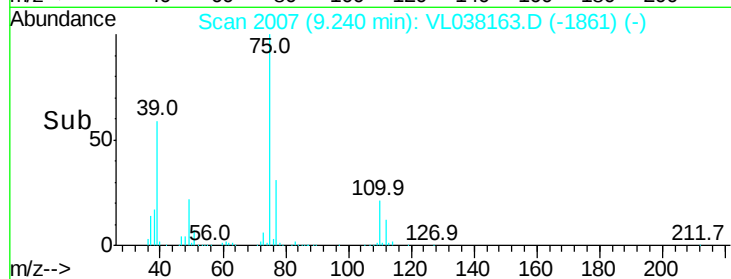
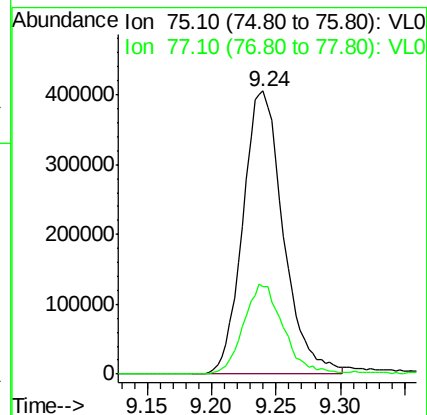
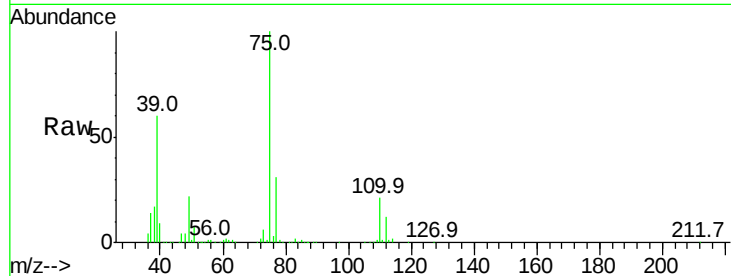
77 30.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#46

cis-1,3-Dichloropropene

Concen: 10.140 ppbv

RT: 8.67 min Scan# 1829

Delta R.T. -0.03 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

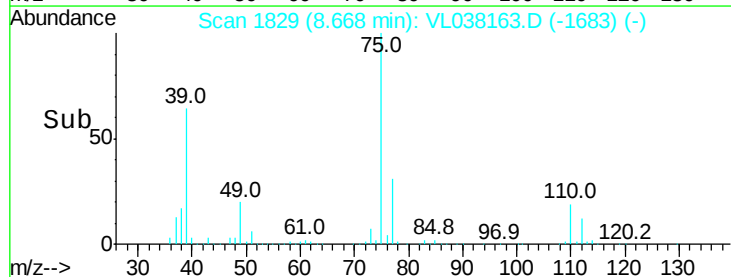
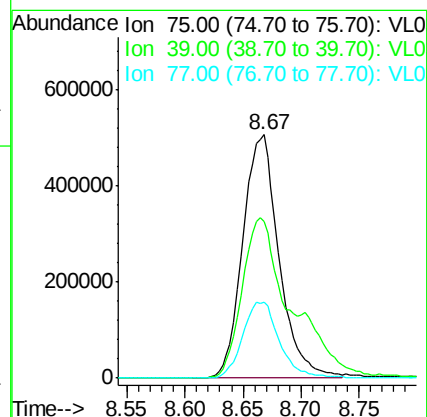
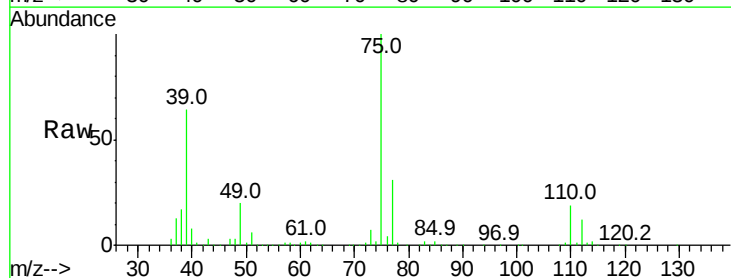
Tgt Ion: 75 Resp: 1099033

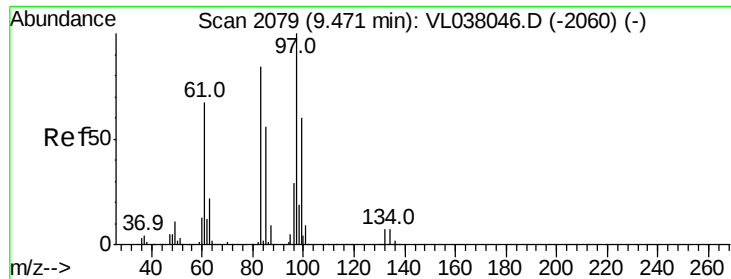
Ion Ratio Lower Upper

75 100

39 64.3 47.8 71.8

77 31.2 25.5 38.3



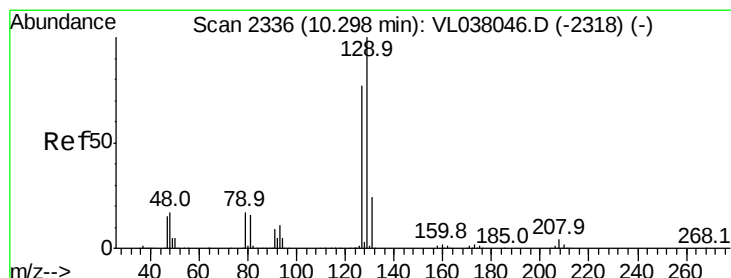
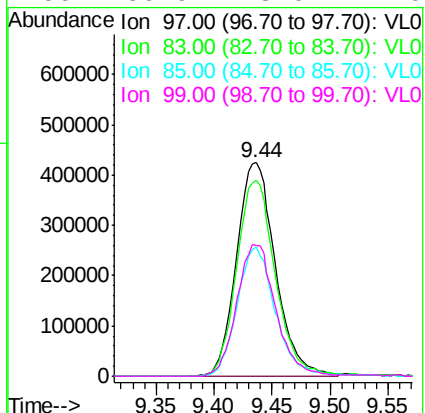
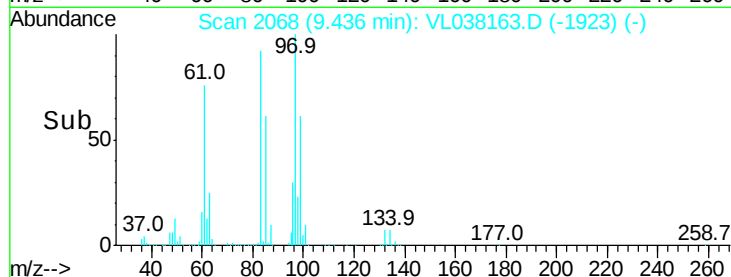
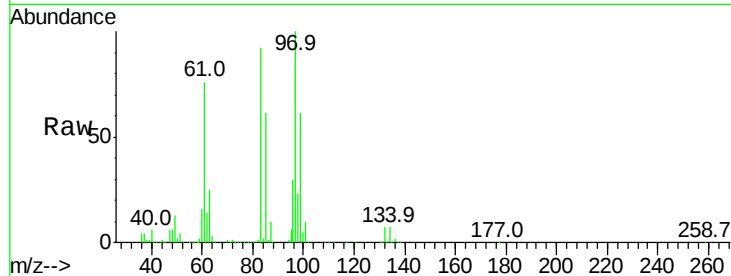


#47
 1,1,2-Trichloroethane
 Concen: 8.437 ppbv
 RT: 9.44
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 14 Dec 2021 12:51

Tot Ion:
 Ion Ratio
 97 100
 83 91.
 85 60.
 99 60.9 48.0 72.0

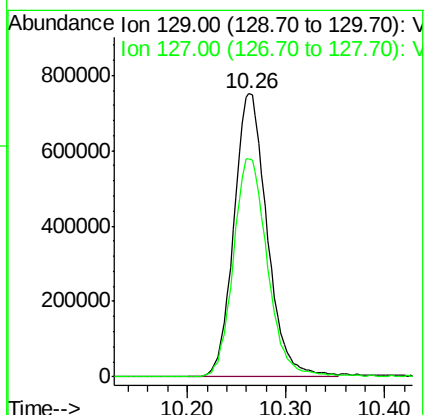
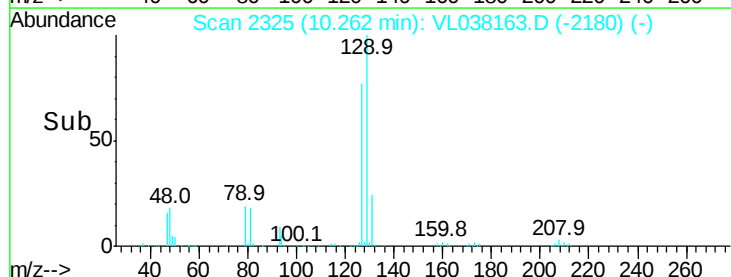
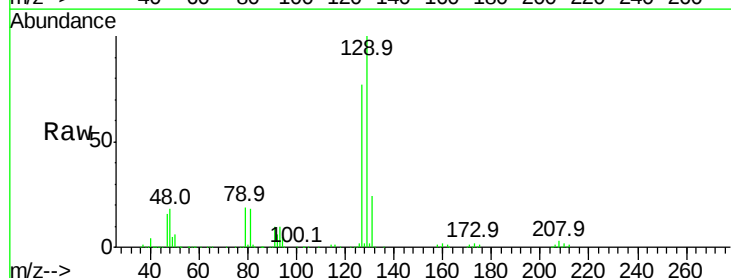
Manual Integrations
 APPROVED

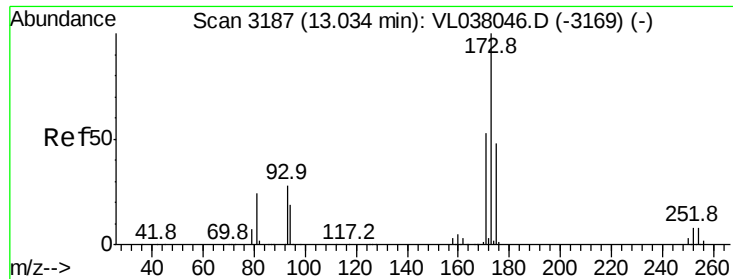
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#48
 Dibromochloromethane
 Concen: 9.845 ppbv
 RT: 10.26 min Scan# 2325
 Delta R.T.: -0.04 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion:129 Resp: 1758921
 Ion Ratio Lower Upper
 129 100
 127 79.9 39.4 118.1





#49

Bromoform

Concen: 10.709 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 12:51

Tot Ion:1

Ion Ratio

173 100

175 51.

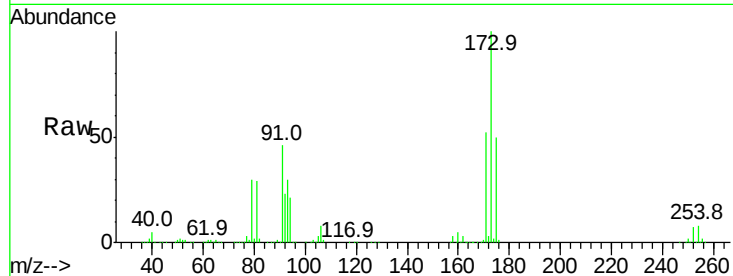
171 53.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

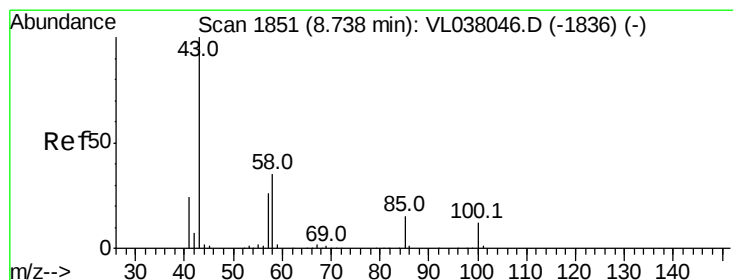
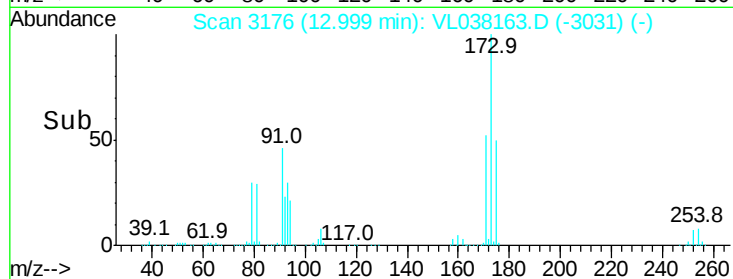
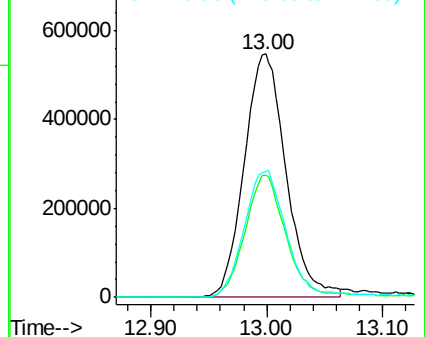
Supervised By :Semsettin Yesilyurt 12/16/2021



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.811 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VL038163.D

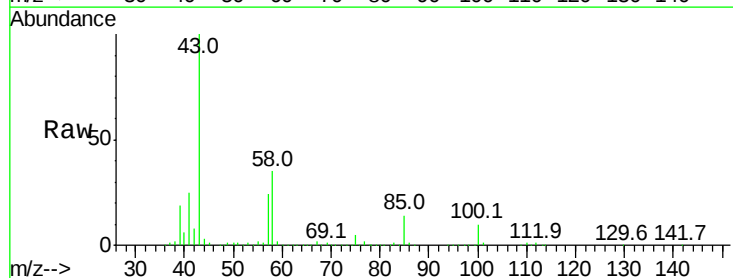
Acq: 14 Dec 2021 12:51

Tgt Ion: 43 Resp: 1758706

Ion Ratio Lower Upper

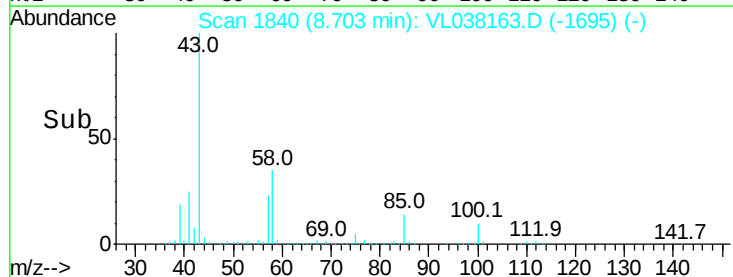
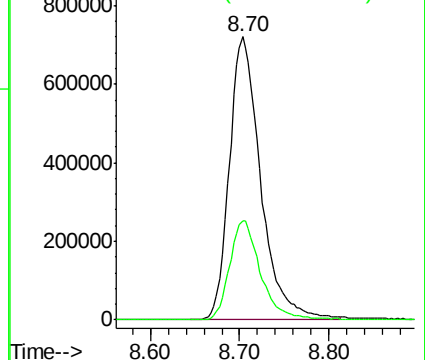
43 100

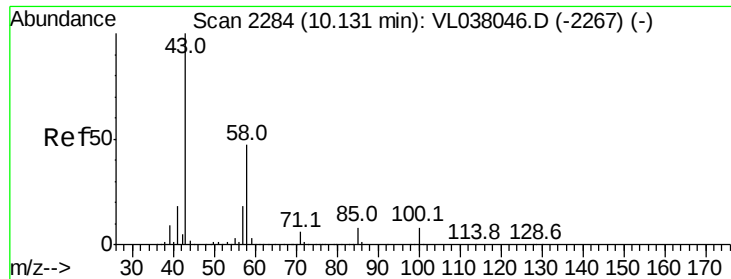
58 34.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.083 ppbv

RT: 10.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51

Tot Ion:

Ion Ratio

43 100

58 48.

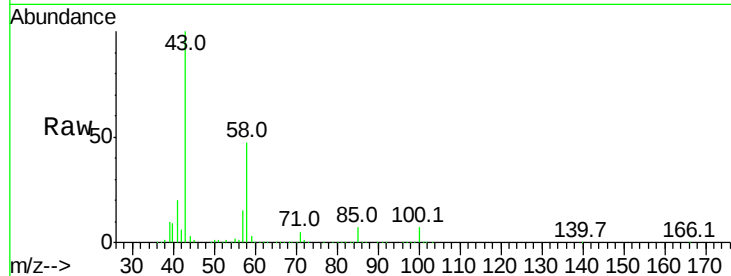
98 0.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

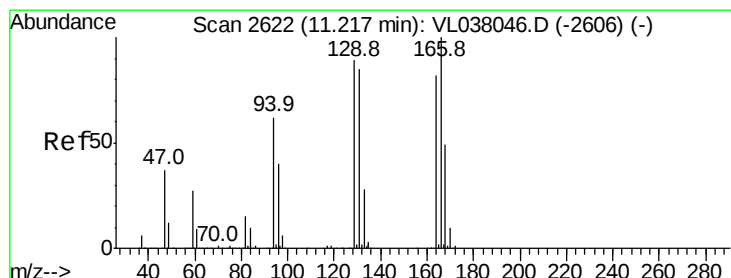
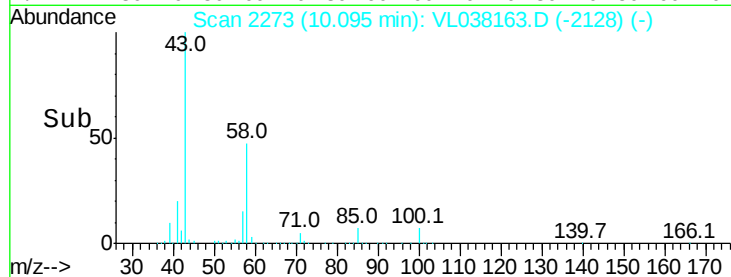
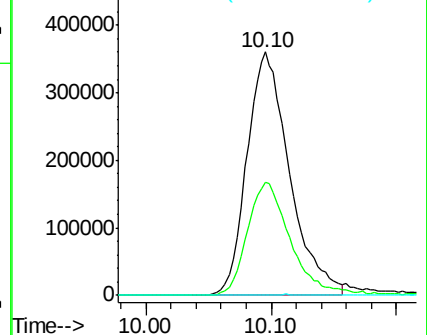
Supervised By :Semsettin Yesilyurt 12/16/2021



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: 7.409 ppbv

RT: 11.18 min Scan# 2611

Delta R.T. -0.04 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion:164 Resp: 800498

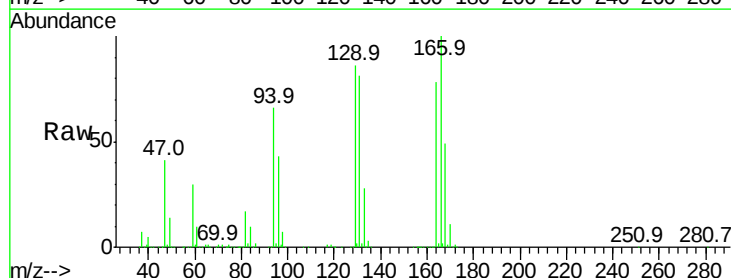
Ion Ratio Lower Upper

164 100

166 127.4 97.2 145.8

129 108.7 86.9 130.3

131 102.9 82.8 124.2

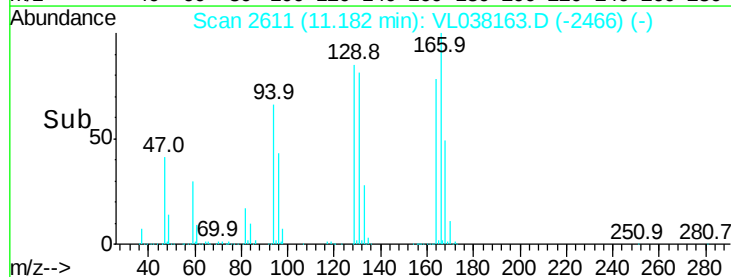
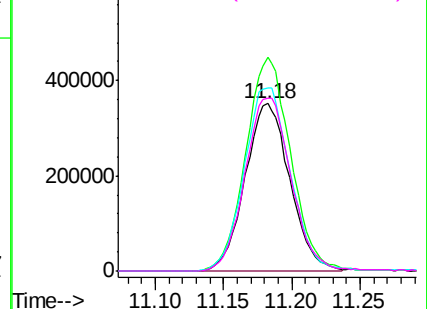


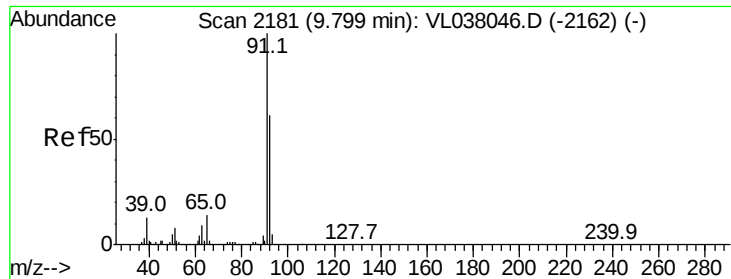
Abundance Ion 163.90 (163.60 to 164.60): V

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: 8.225 ppbv

RT: 9.77

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 12:51

Tot Ion:

Ion Ratio

91 100

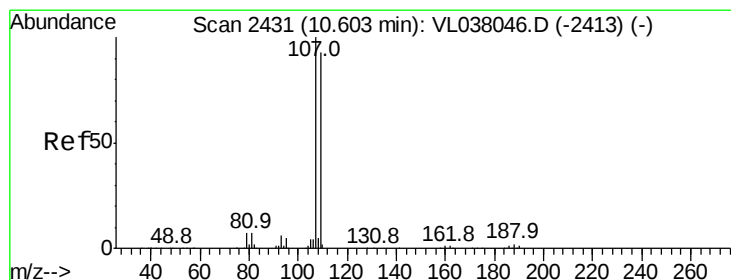
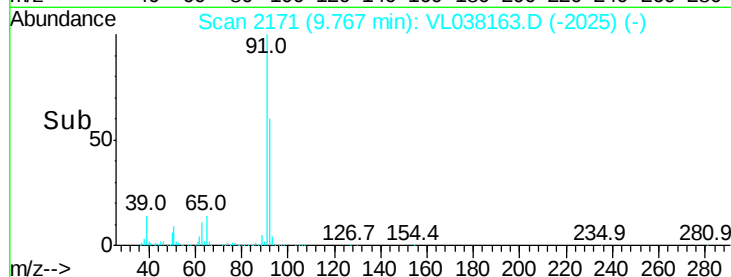
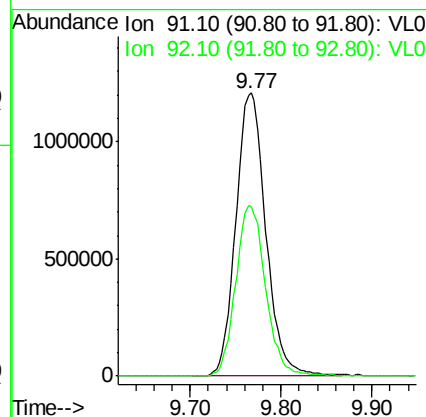
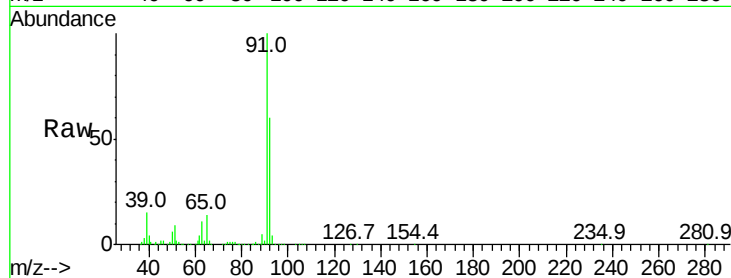
92 60.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#54

1,2-Dibromoethane

Concen: 8.756 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.03 min

Lab File: VL038163.D

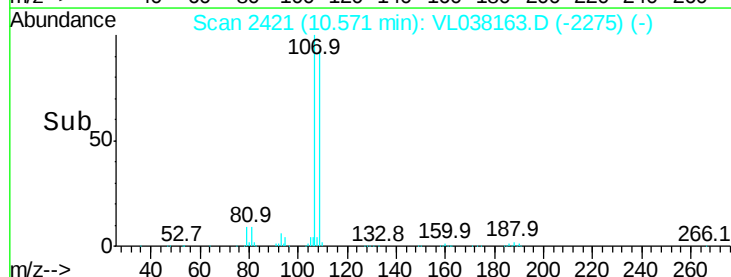
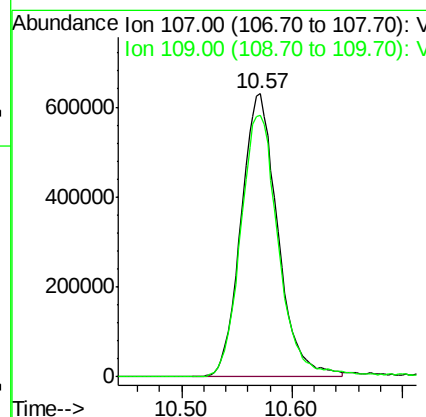
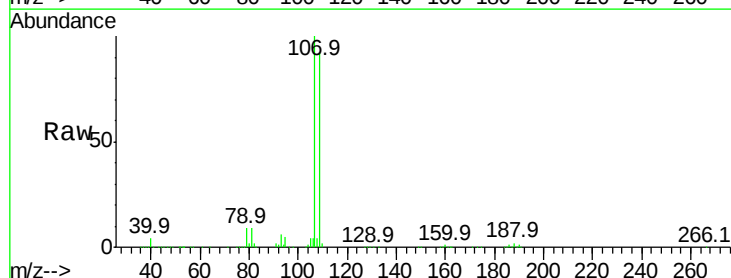
Acq: 14 Dec 2021 12:51

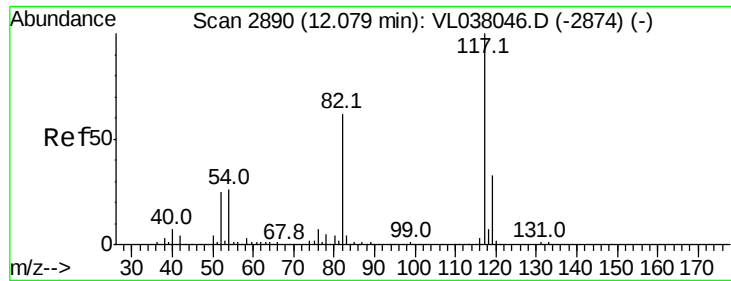
Tgt Ion:107 Resp: 1451021

Ion Ratio Lower Upper

107 100

109 92.3 74.6 111.8



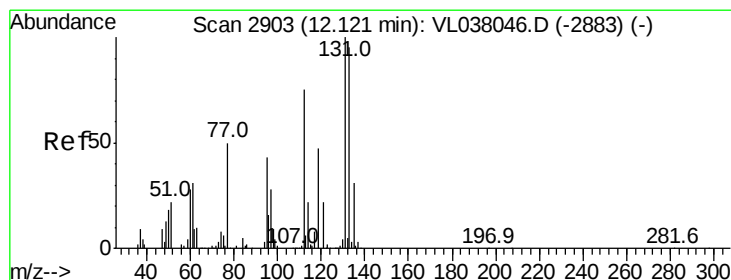
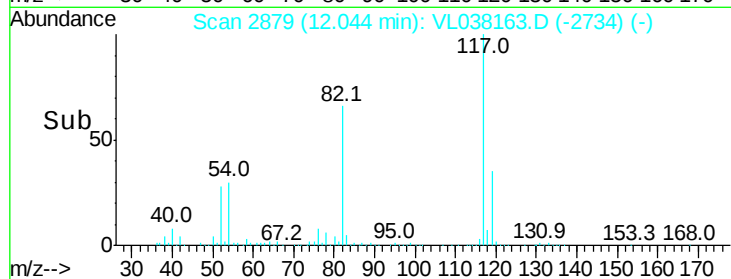
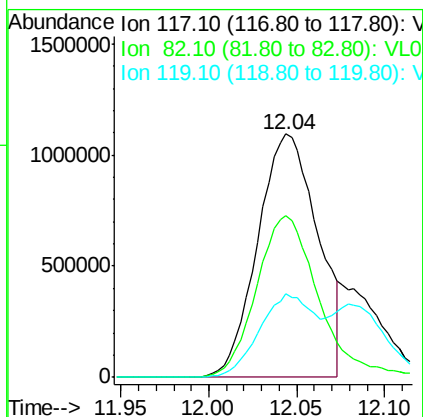
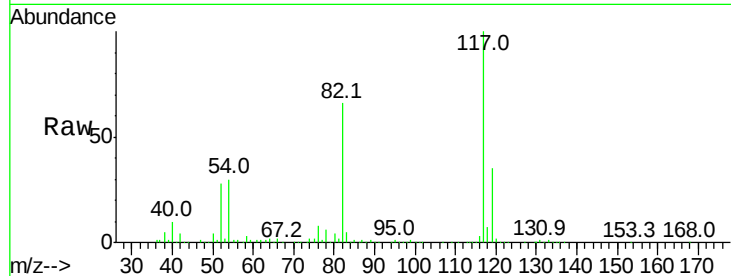


#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.04 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51

Tot Ion:1
Ion Ratio
117 100
82 70.
119 32.

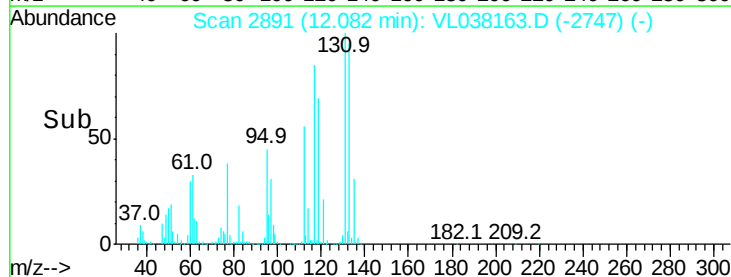
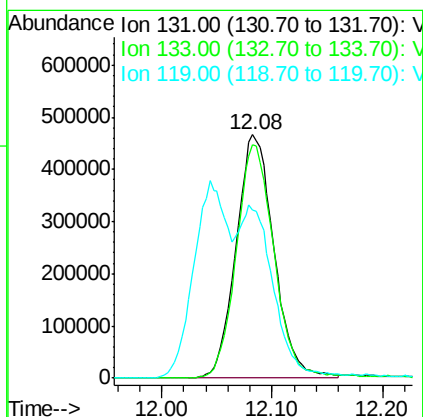
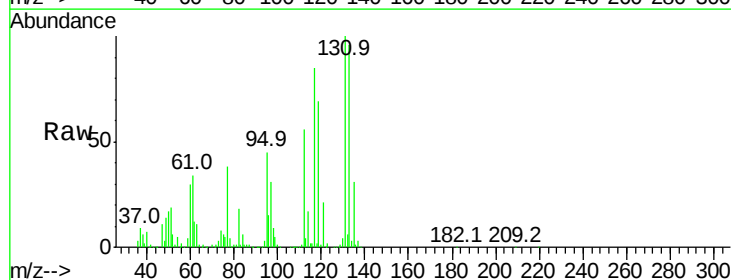
Manual Integrations
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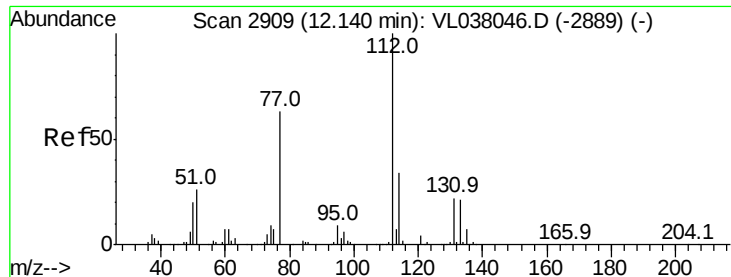
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 9.388 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.04 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion:131 Resp: 1108357
Ion Ratio Lower Upper
131 100
133 97.7 78.8 118.2
119 57.4 56.3 84.5



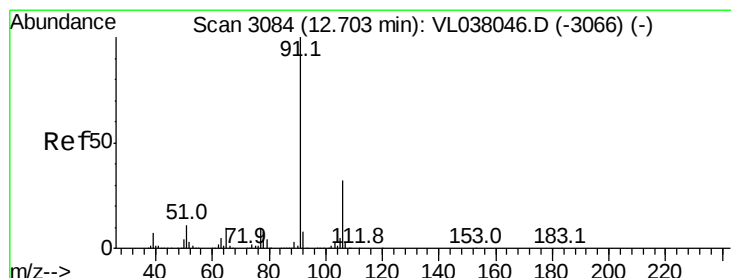
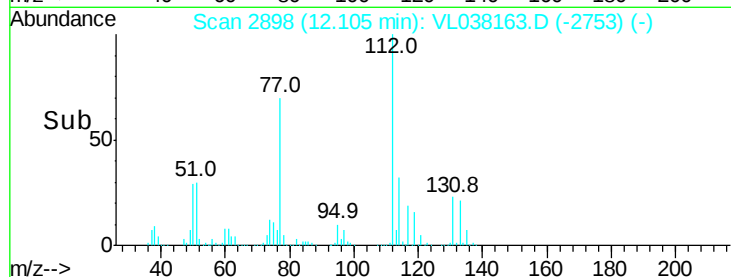
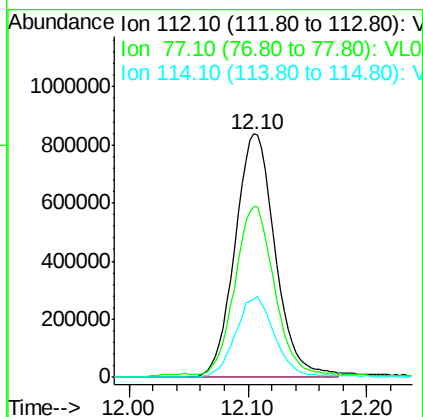
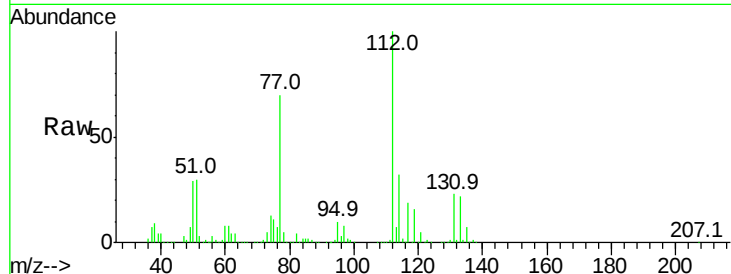


#57
Chlorobenzene
Concen: 8.437 ppbv
RT: 12.10 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VSTDCCC010
Acq: 14 Dec 2021 12:51

Tot Ion: 1
Ion Ratio
112 100
77 68.
114 32.

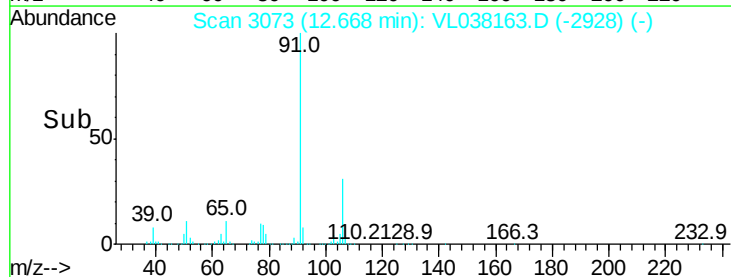
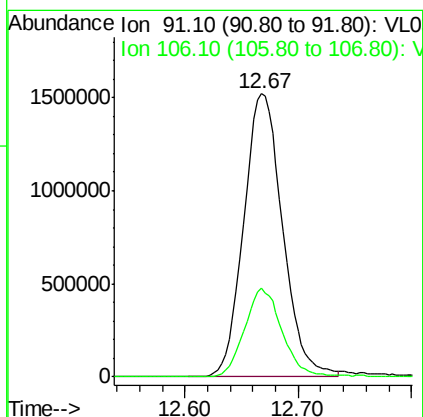
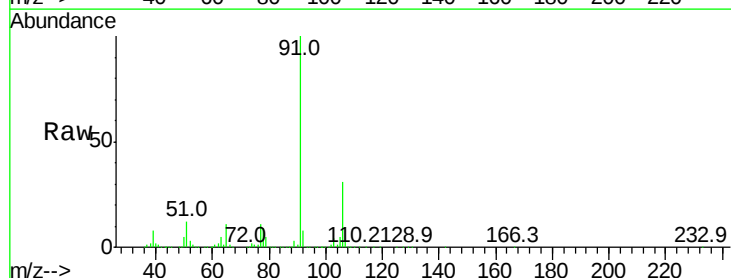
Manual Integrations
APPROVED

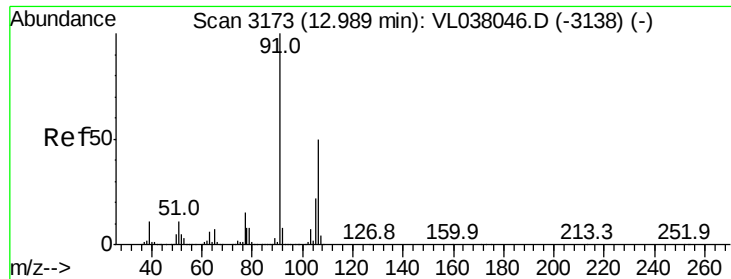
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#58
Ethyl Benzene
Concen: 8.480 ppbv
RT: 12.67 min Scan# 3073
Delta R.T. -0.04 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 91 Resp: 3644943
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.6



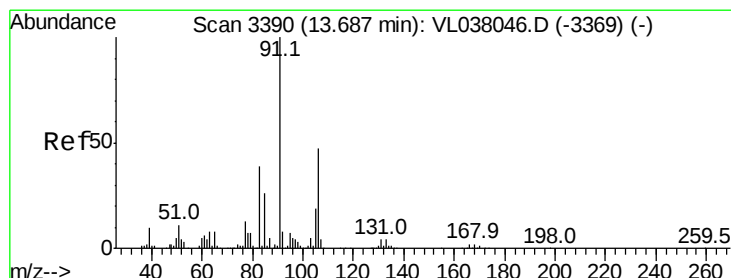
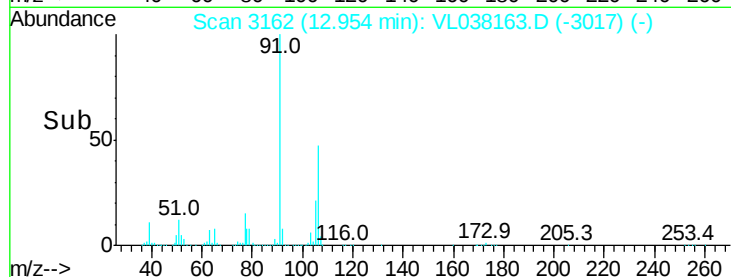
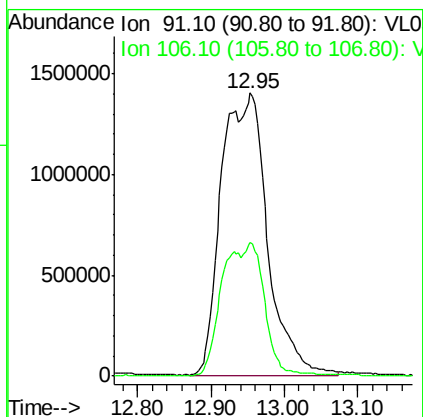
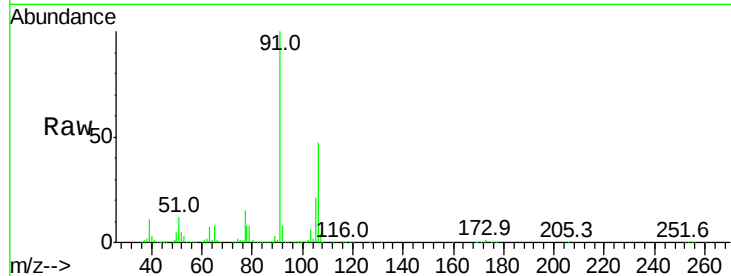


#59
m/p-Xylene
Concen: 16.958 ppbv m
RT: 12.95
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51

Tot Ion:
Ion Ratio
91 100
106 43.

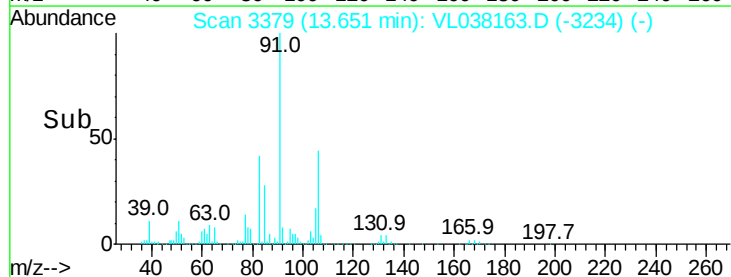
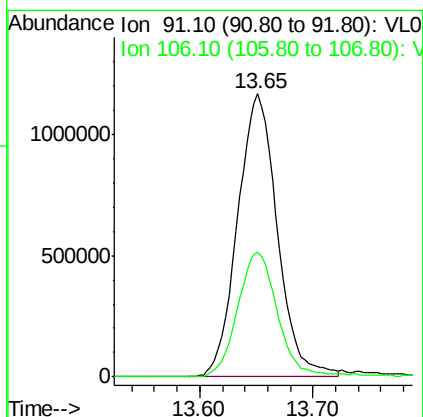
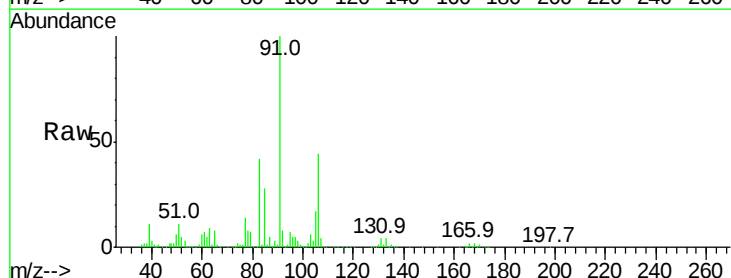
Manual Integrations
APPROVED

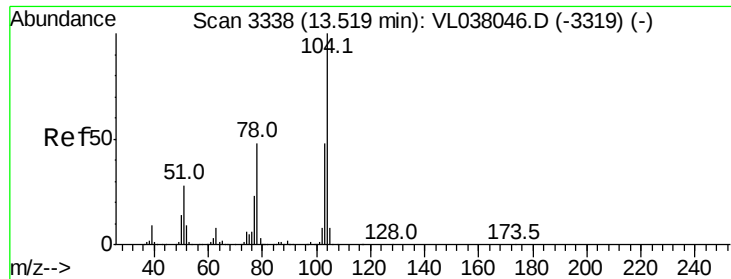
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#60
o-Xylene
Concen: 8.455 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.04 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 91 Resp: 2838002
Ion Ratio Lower Upper
91 100
106 45.5 24.2 72.6





#61

Stvrene

Concen: 8.588 ppbv

RT: 13.48

Delta R.T.

Lab File:

Acq: 14 Dec 2021

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021

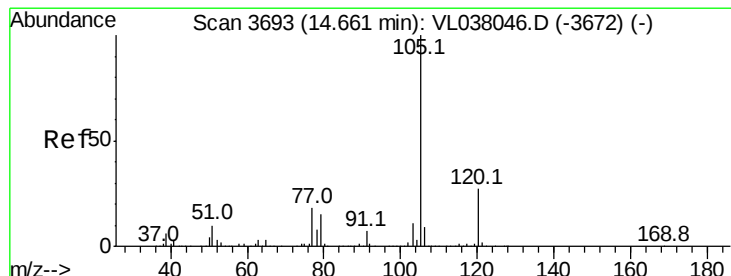
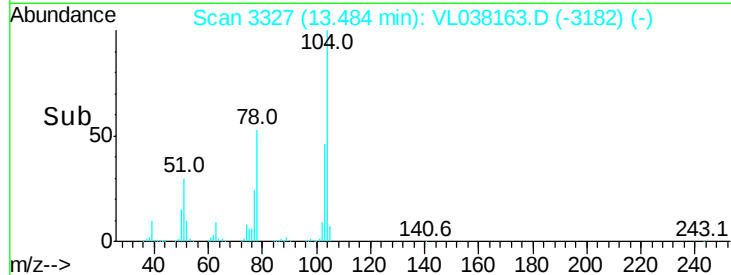
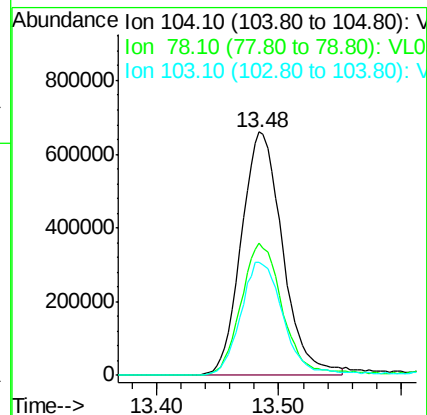
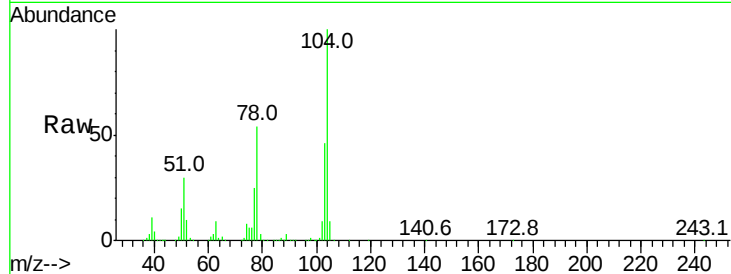
Tot Ion:1

Ion Rati

104 100

78 55.

103 48.



#62

Isopropylbenzene

Concen: 8.202 ppbv

RT: 14.63 min Scan# 3682

Delta R.T. -0.04 min

Lab File: VL038163.D

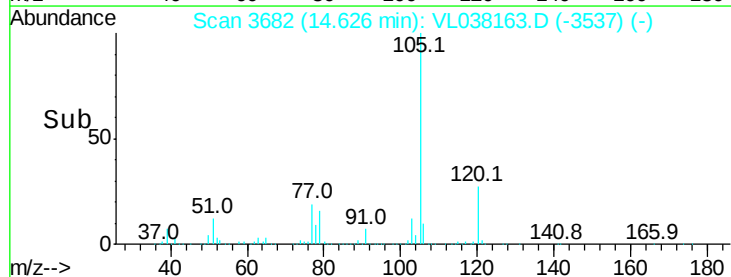
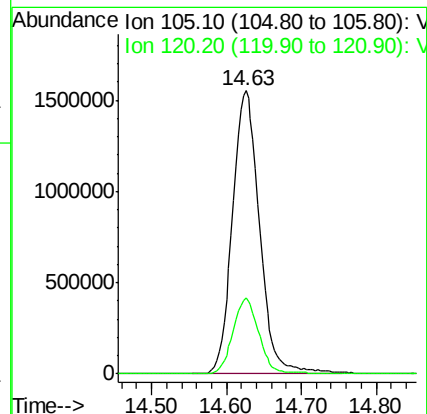
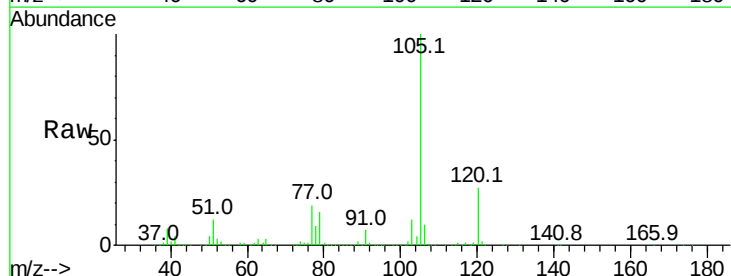
Acq: 14 Dec 2021 12:51

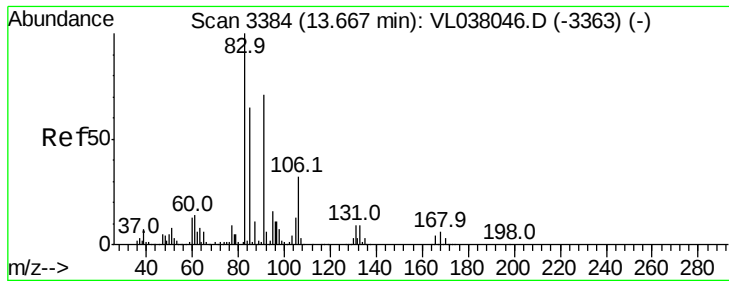
Tgt Ion:105 Resp: 3907965

Ion Ratio Lower Upper

105 100

120 25.9 21.8 32.6



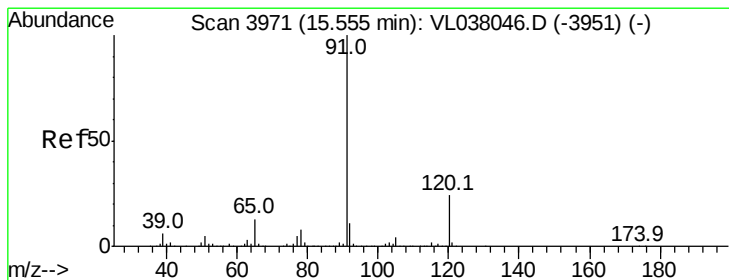
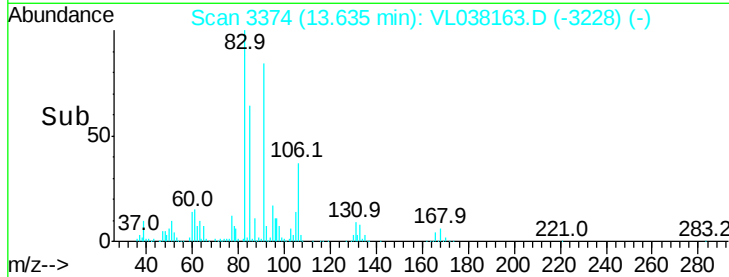
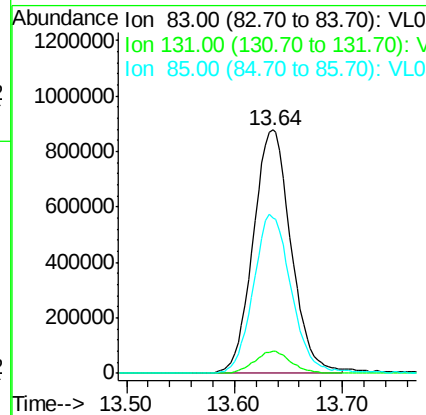
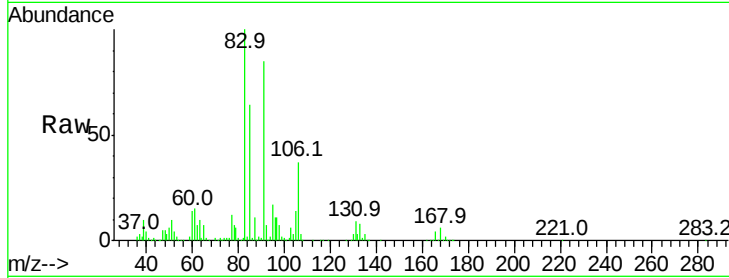


#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.561 ppbv
 RT: 13.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 14 Dec 2021 12:51

Tot Ion:
 Ion Ratio
 83 100
 131 9.
 85 66.

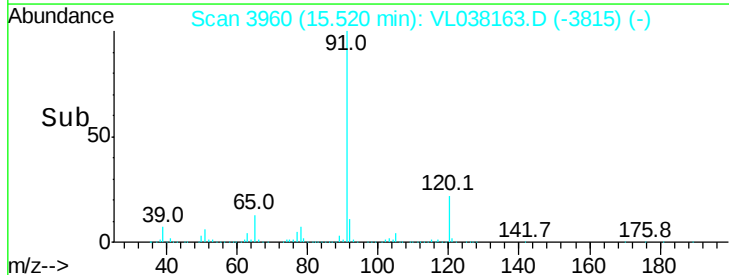
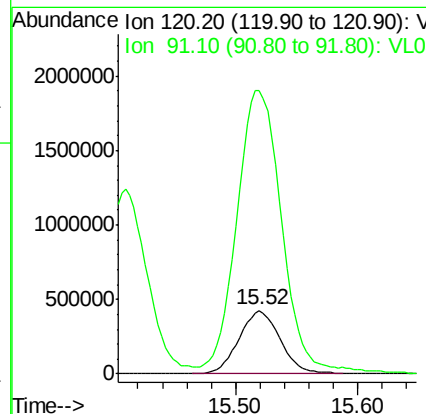
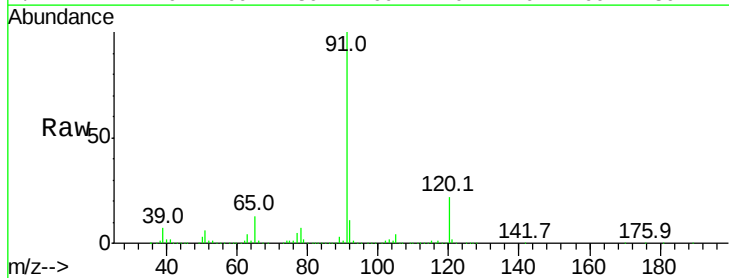
Manual Integrations
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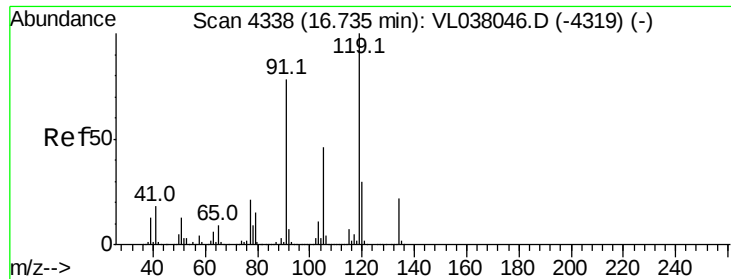
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#64
 n-propylbenzene
 Concen: 8.181 ppbv
 RT: 15.52 min Scan# 3960
 Delta R.T. -0.04 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion:120 Resp: 993030
 Ion Ratio Lower Upper
 120 100
 91 492.3 371.7 557.5





#65

tert-Butylbenzene

Concen: 8.001 ppbv

RT: 16.70

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 14 Dec 2021 12:51

Tot Ion:1

Ion Rati

119 100

91 83.

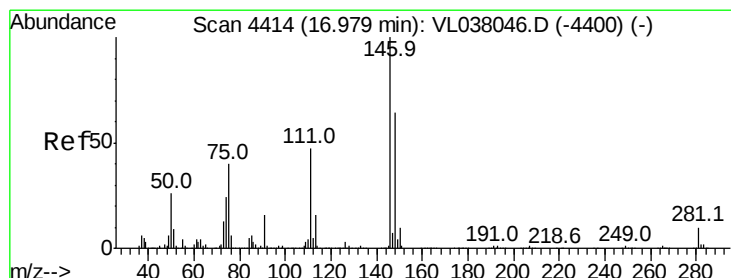
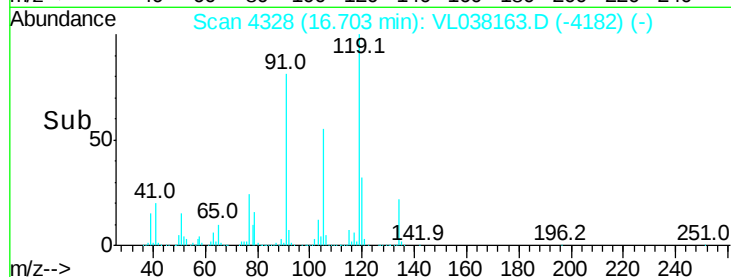
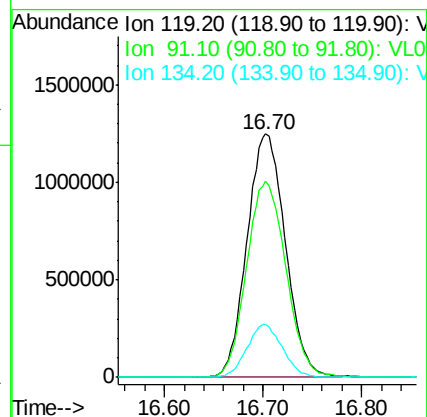
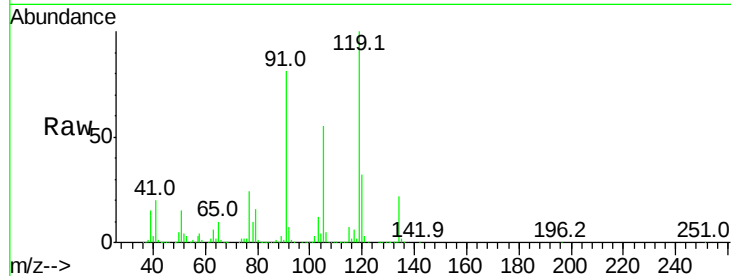
134 20.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#66

Benzyl Chloride

Concen: 12.436 ppbv

RT: 16.94 min Scan# 4402

Delta R.T. -0.04 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

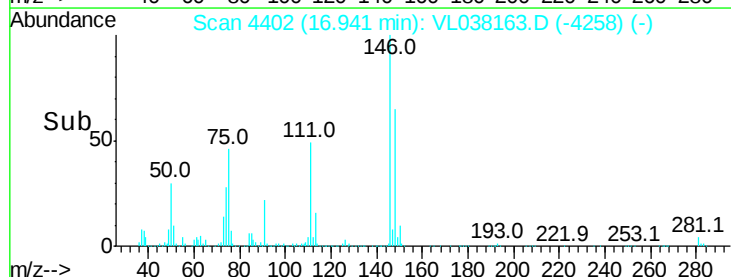
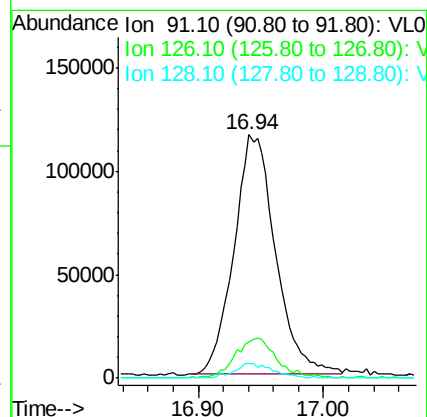
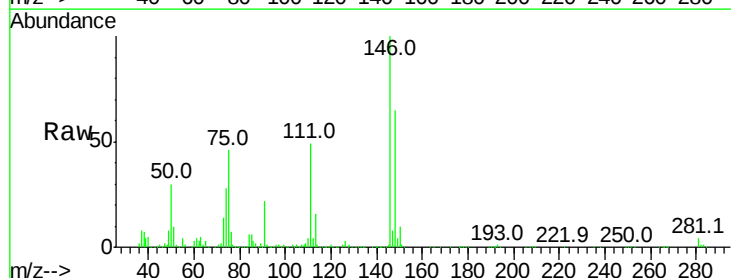
Tgt Ion: 91 Resp: 264567

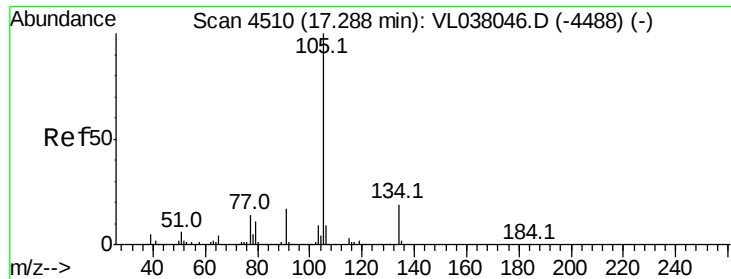
Ion Ratio Lower Upper

91 100

126 17.0 15.5 23.3

128 5.9 5.6 8.4





#67

sec-Butylbenzene

Concen: 8.080 ppbv

RT: 17.25

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51

Tot Ion:1

Ion Ratio

105 100

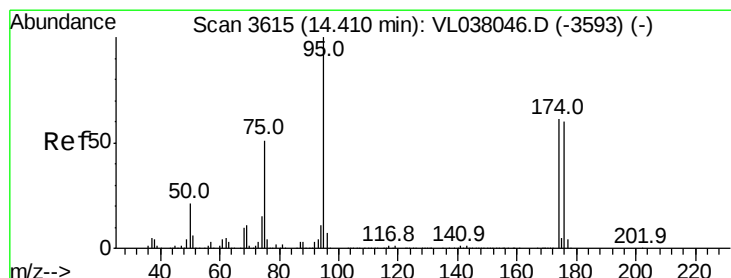
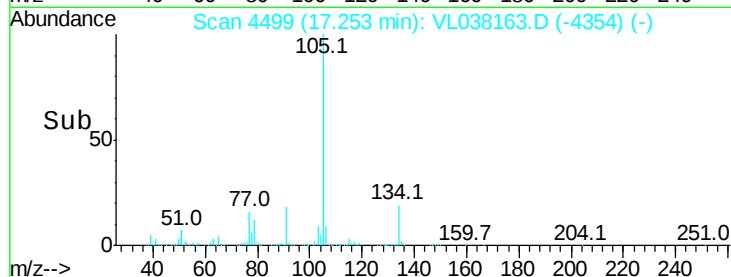
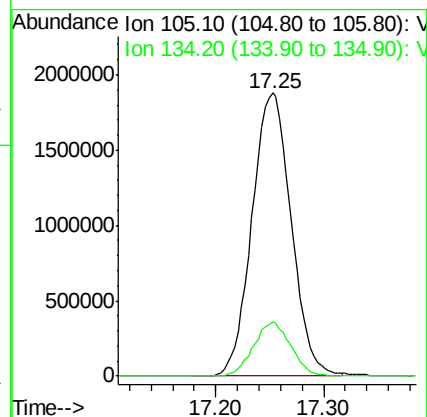
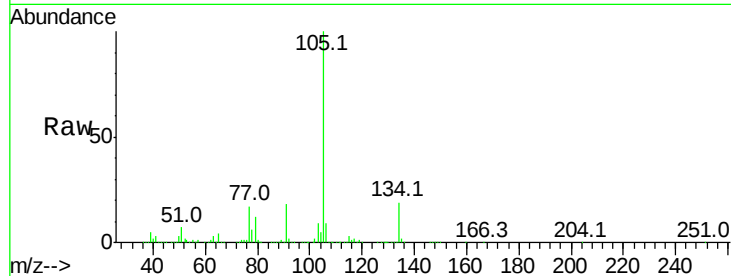
134 18.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 11.128 ppbv

RT: 14.37 min Scan# 3603

Delta R.T. -0.04 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

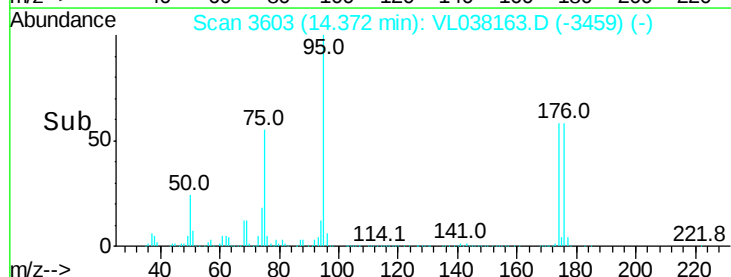
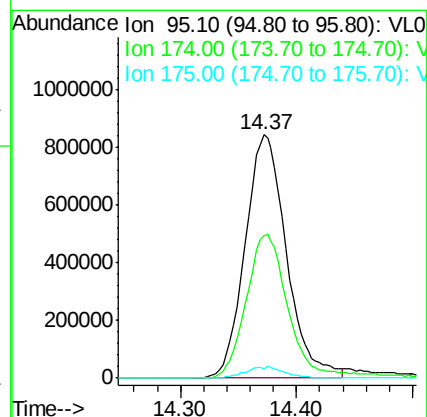
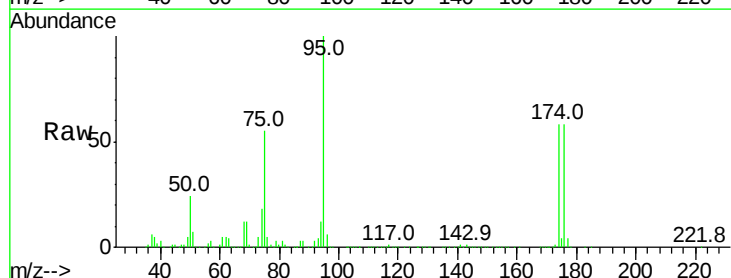
Tgt Ion: 95 Resp: 2087374

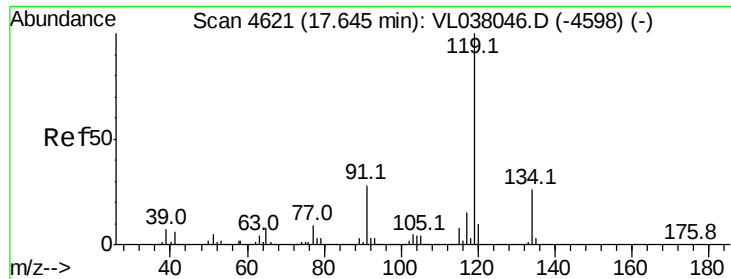
Ion Ratio Lower Upper

95 100

174 61.6 53.1 79.7

175 4.7 4.0 6.0



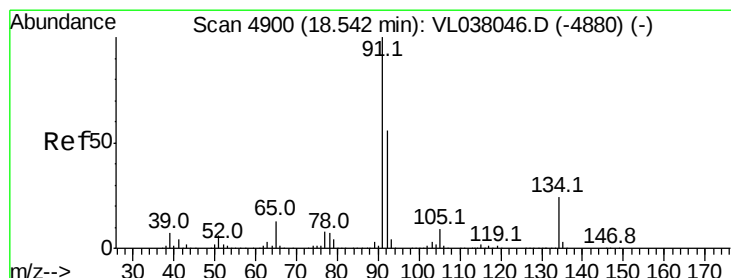
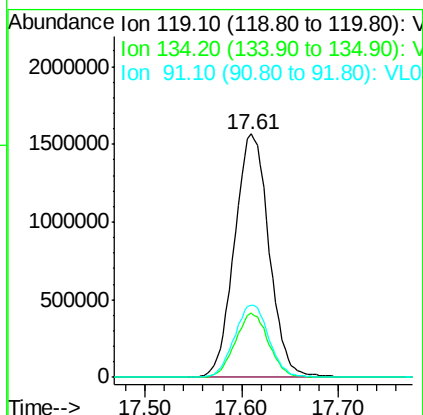
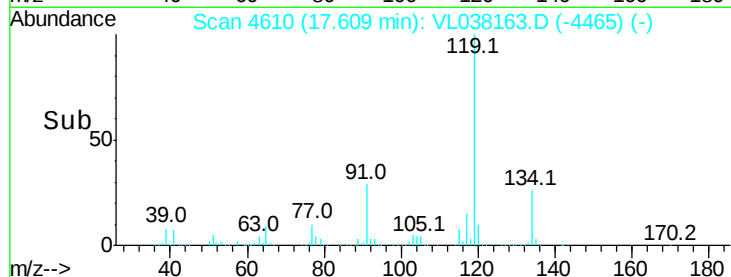
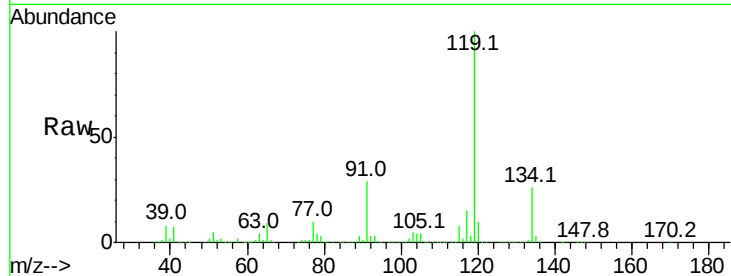


#69
 p-Isopropyltoluene
 Concen: 8.489 ppbv
 RT: 17.61 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 14 Dec 2021 12:51

Tot Ion: 1
 Ion Ratio
 119 100
 134 25.
 91 29.

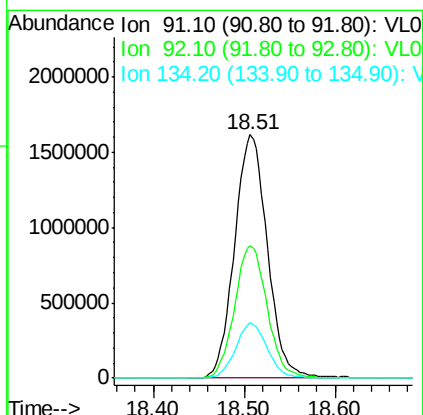
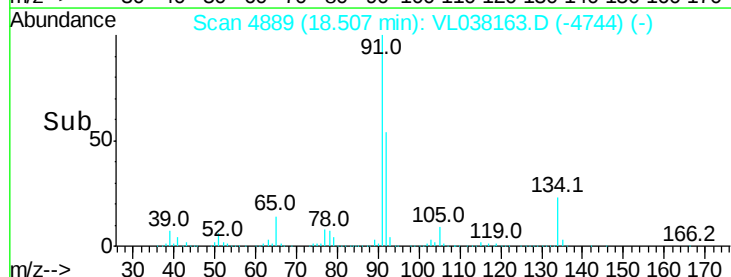
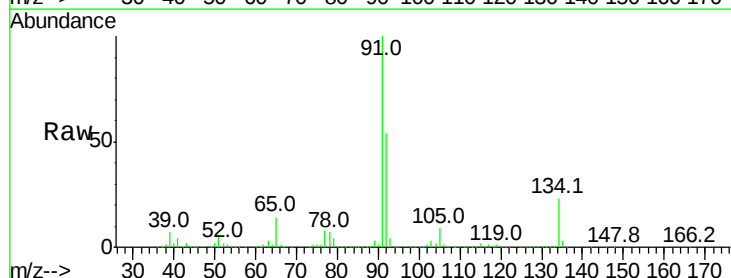
Manual Integrations
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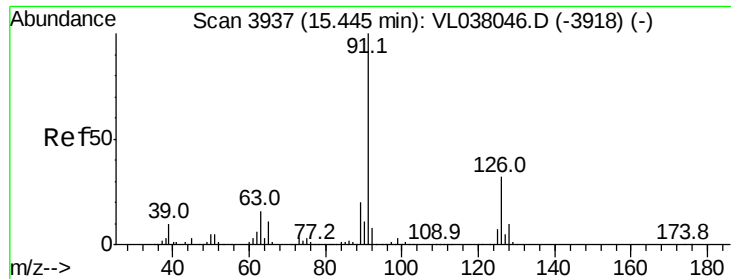
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#70
 n-Butylbenzene
 Concen: 9.248 ppbv
 RT: 18.51 min Scan# 4889
 Delta R.T.: -0.04 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion: 91 Resp: 4045852
 Ion Ratio Lower Upper
 91 100
 92 54.2 44.1 66.1
 134 22.0 18.9 28.3





#71

2-Chlorotoluene

Concen: 8.607 ppbv

RT: 15.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51

Tot Ion:

Ion Ratio

91 100

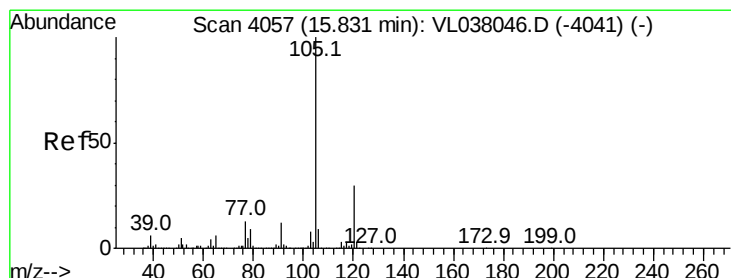
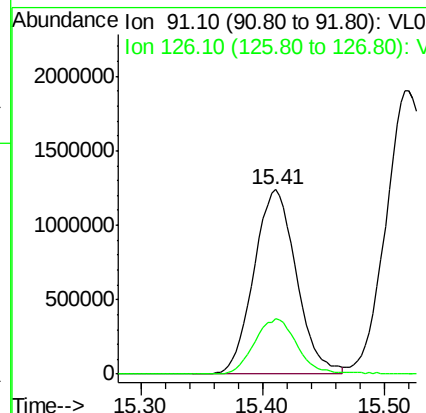
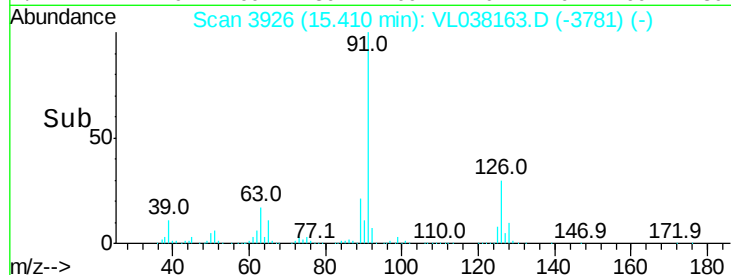
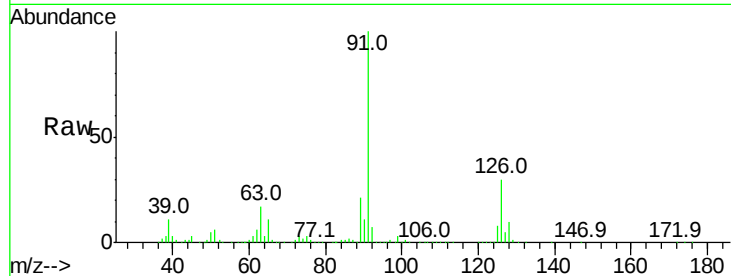
126 30.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#72

4-Ethyltoluene

Concen: 8.676 ppbv

RT: 15.80 min Scan# 4046

Delta R.T. -0.04 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion:105 Resp: 3376328

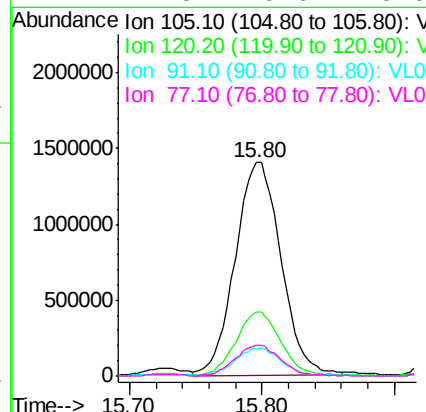
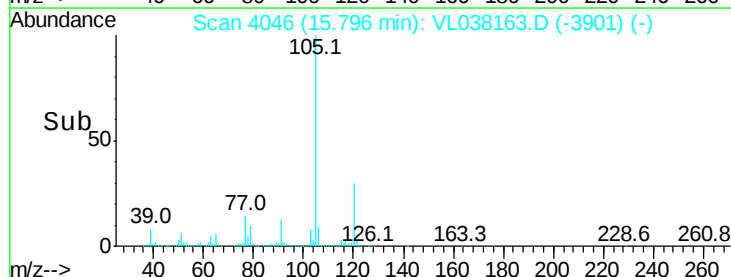
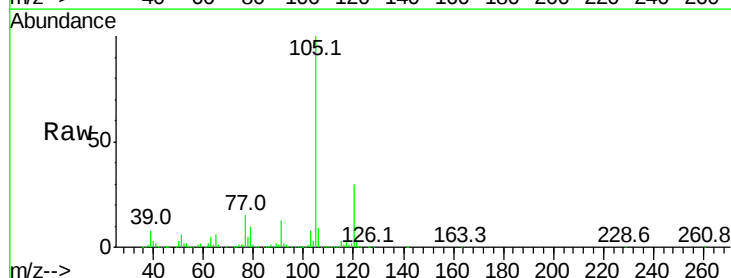
Ion Ratio Lower Upper

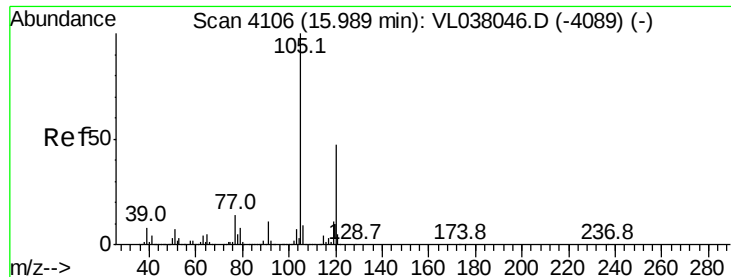
105 100

120 30.0 25.1 37.7

91 13.1 9.7 14.5

77 14.3 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 8.384 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 12:51

Tot Ion:1

Ion Ratio

105 100

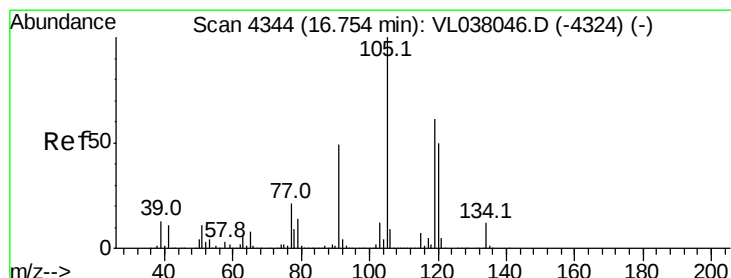
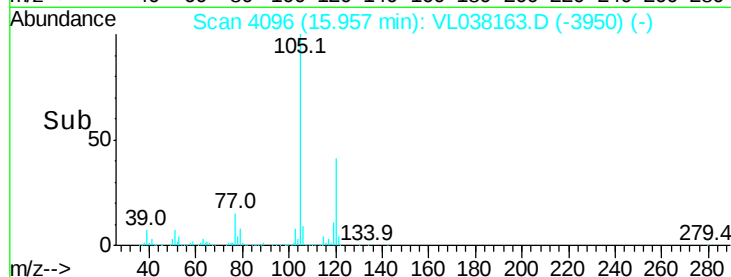
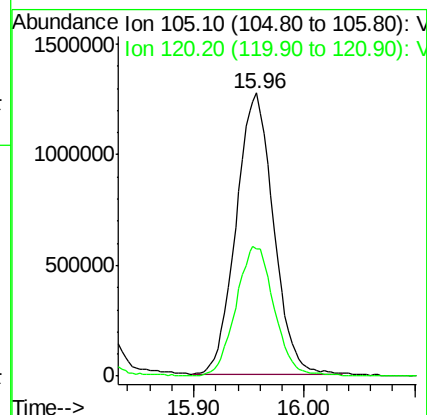
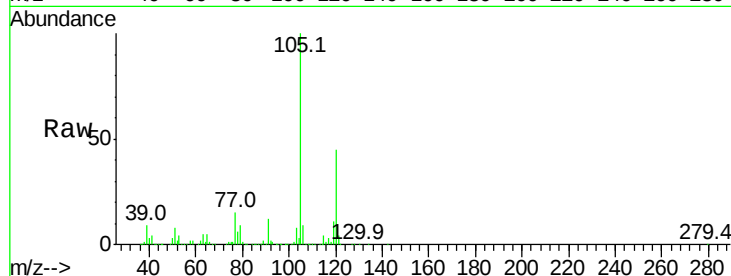
120 45.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#74

1,2,4-Trimethylbenzene

Concen: 8.527 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.03 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion:105 Resp: 3123262

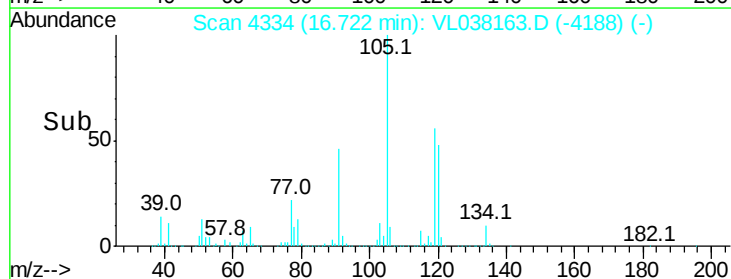
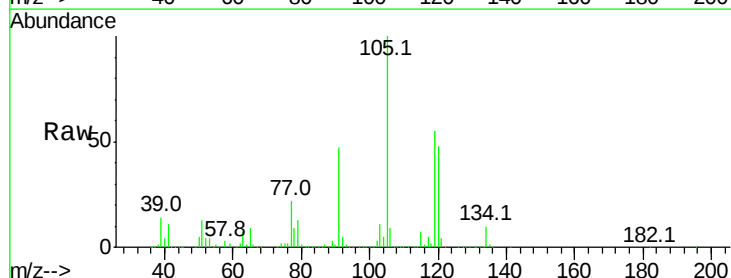
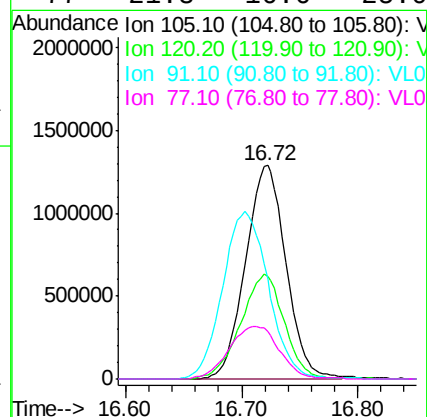
Ion Ratio Lower Upper

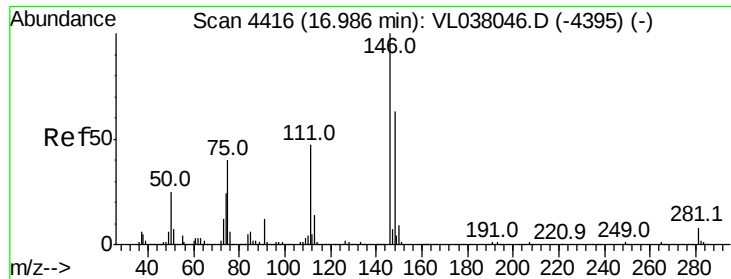
105 100

120 47.9 40.1 60.1

91 46.1 39.8 59.8

77 21.8 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 8.812 ppbv

RT: 16.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51 VSTDCCC010

Tot Ion:1

Ion Ratio

146 100

111 48.

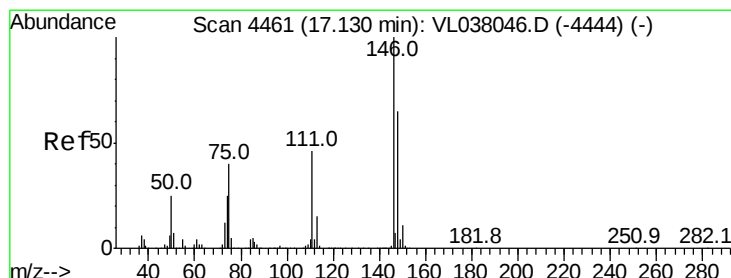
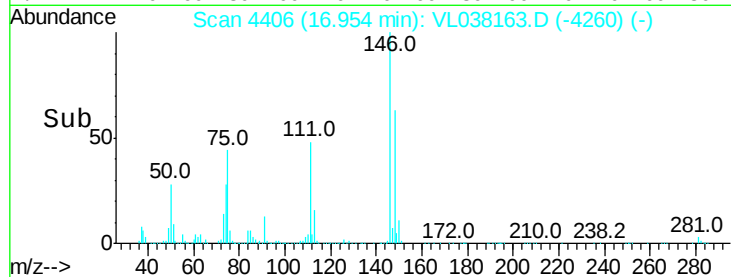
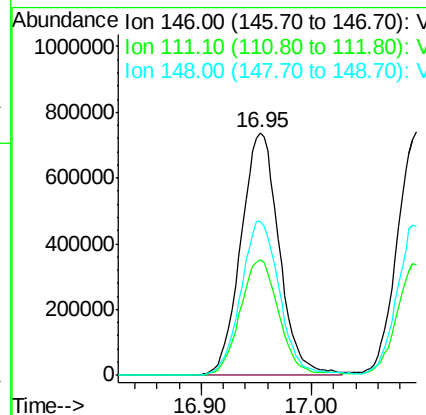
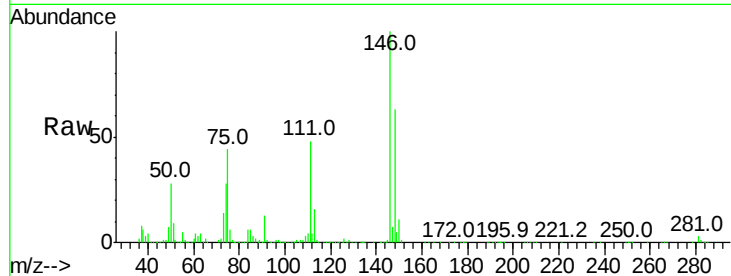
148 64.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#76

1,4-Dichlorobenzene

Concen: 8.627 ppbv

RT: 17.10 min Scan# 4450

Delta R.T. -0.04 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

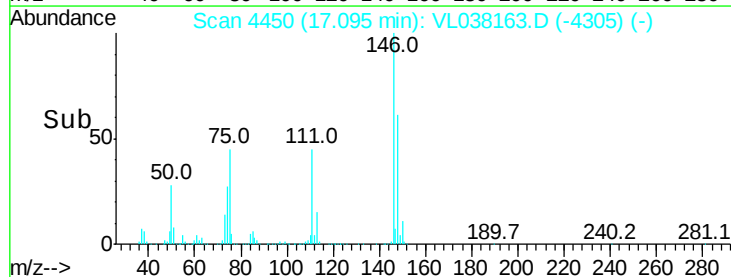
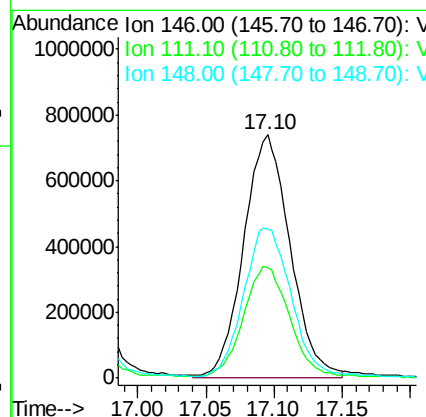
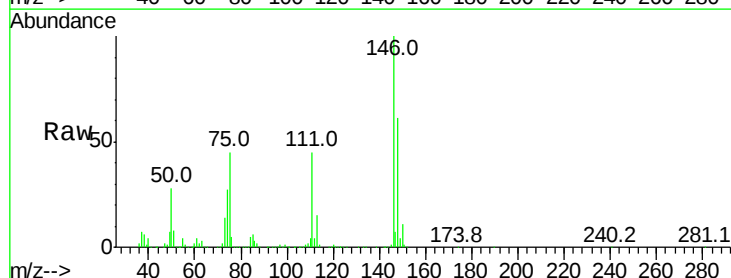
Tgt Ion:146 Resp: 1746457

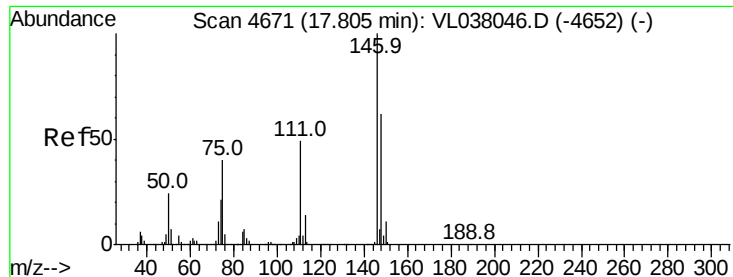
Ion Ratio Lower Upper

146 100

111 46.7 23.8 71.5

148 64.7 33.2 99.6



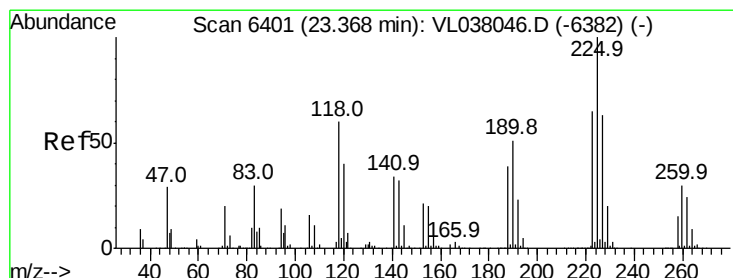
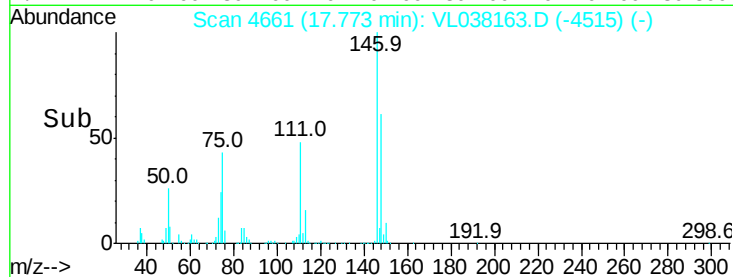
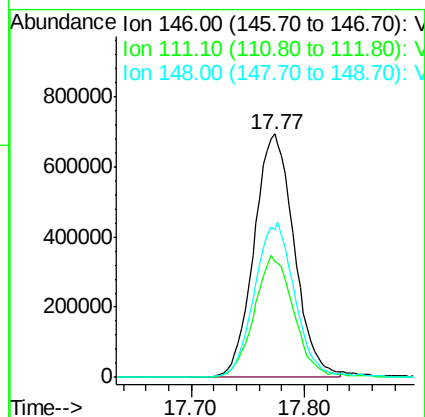
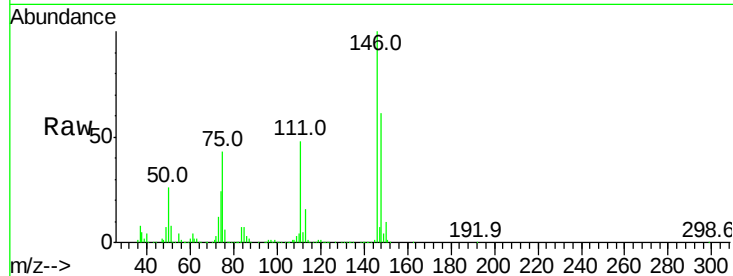


#77
 1,2-Dichlorobenzene
 Concen: 8.717 ppbv
 RT: 17.77 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 14 Dec 2021 12:51

Tot Ion:1
 Ion Rati
 146 100
 111 49.
 148 64.

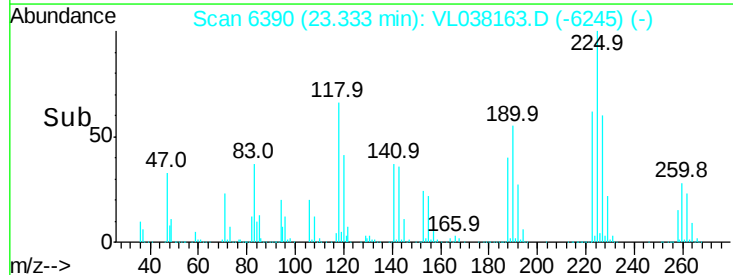
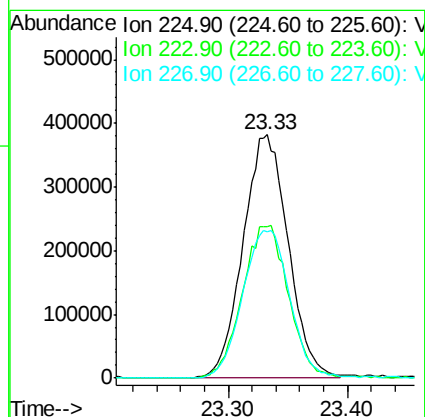
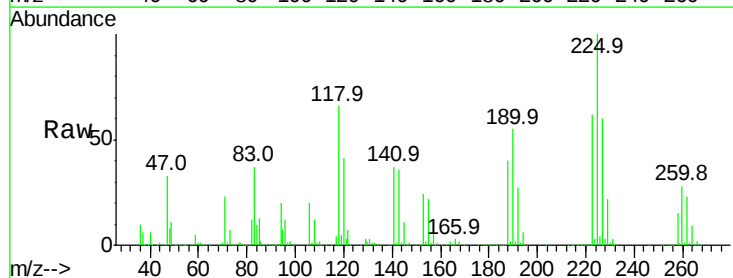
Manual Integrations
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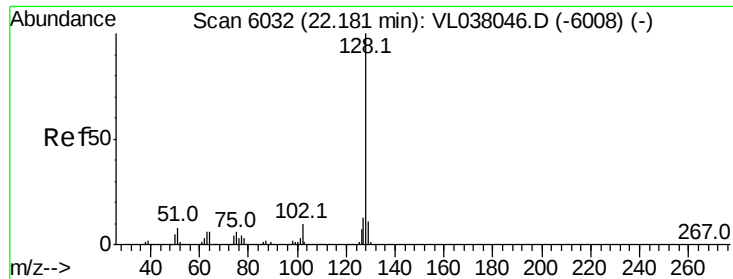
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.198 ppbv
 RT: 23.33 min Scan# 6390
 Delta R.T. -0.04 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion:225 Resp: 997082
 Ion Ratio Lower Upper
 225 100
 223 64.7 52.3 78.5
 227 63.8 52.4 78.6



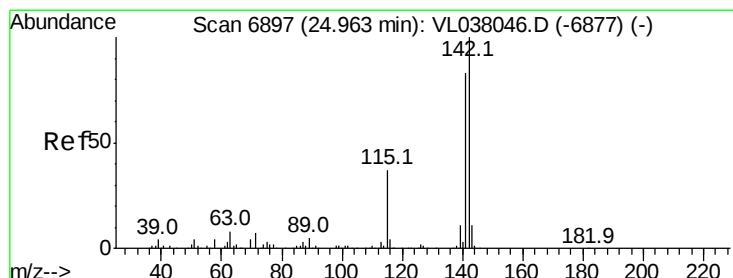
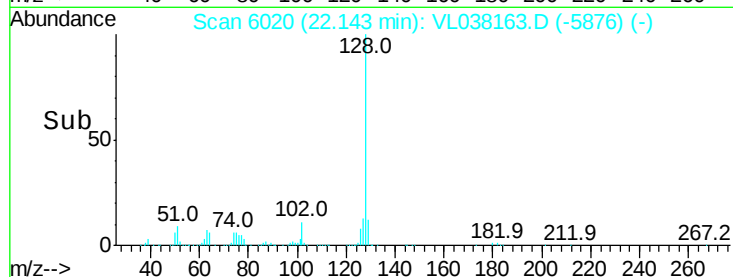
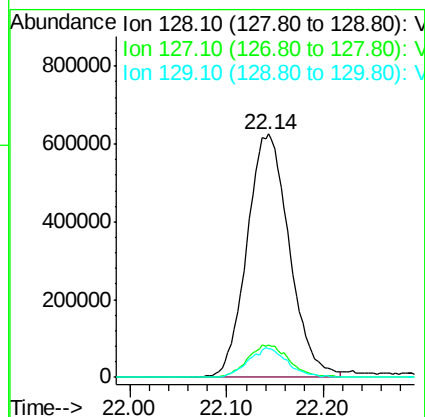
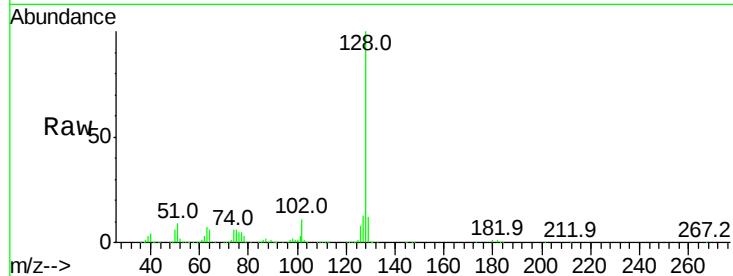


#79
Naphthalene
Concen: 9.851 ppbv
RT: 22.14 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId : VSTDCCC010
Acq: 14 Dec 2021 12:51

Tot Ion:1
Ion Ratio
128 100
127 13.
129 11.

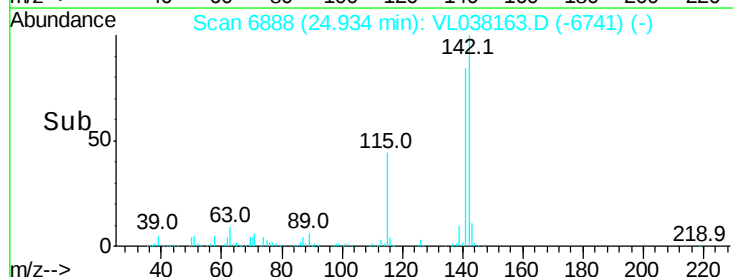
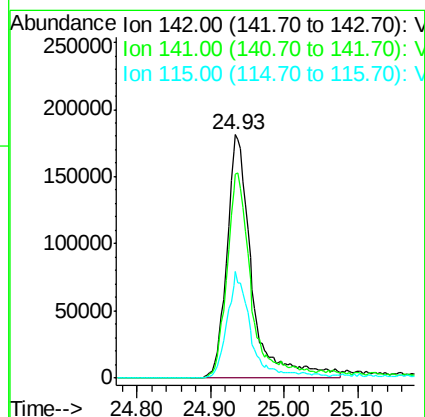
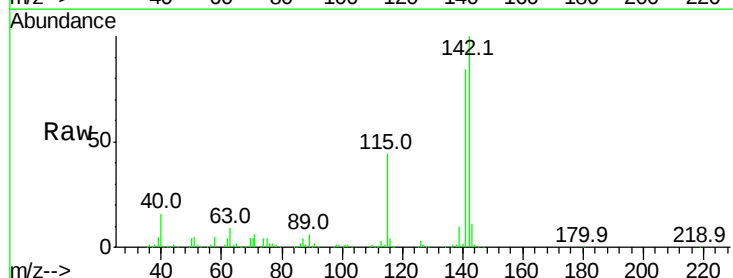
Manual Integrations
APPROVED

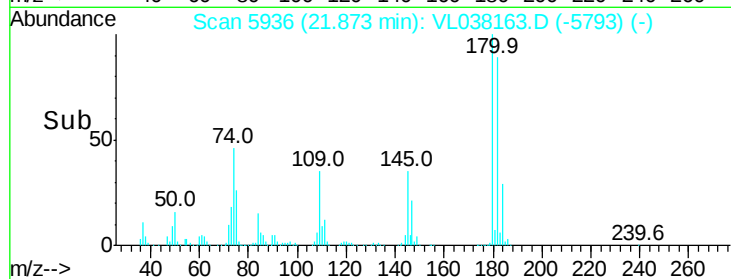
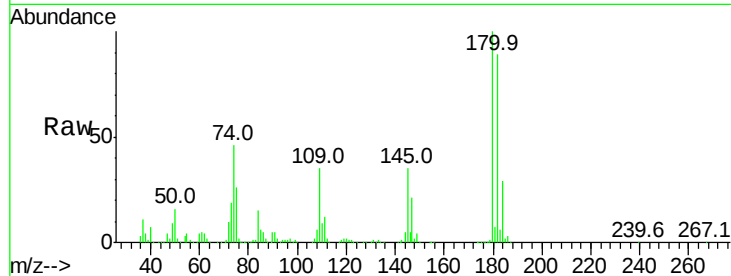
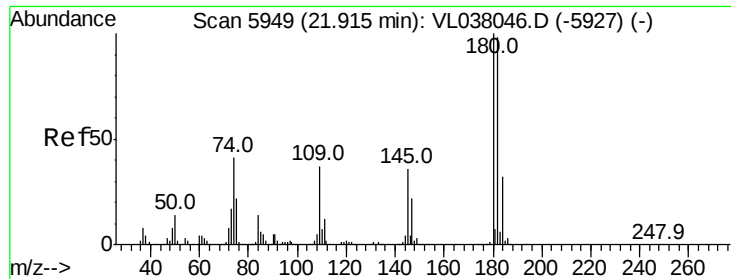
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#80
Naphthalene, 2-methyl-
Concen: 10.343 ppbv
RT: 24.93 min Scan# 6888
Delta R.T.: -0.03 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion:142 Resp: 427570
Ion Ratio Lower Upper
142 100
141 82.8 67.3 100.9
115 42.1 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.605 ppbv
 RT: 21.87
 Delta R.T.:
 Lab File: VSTDCCC010
 Acq: 14 Dec 2021 12:51

Tot Ion: 1
 Ion Rati
 180 100
 182 97.
 184 31.

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021

