

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038182.D
 Acq On : 15 Dec 2021 10:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 14:01:00 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	5.63	49	961294	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2604977	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.04	117	2347188m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1898319	11.21	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.10%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.03	85	1216606	7.662	ppbv	99
3) Chlorodifluoromethane	2.97	51	1856658	9.197	ppbv	98
4) Chloromethane	3.12	50	637206	9.272	ppbv	99
5) Vinyl Chloride	3.24	62	645248	9.571	ppbv	99
6) Bromomethane	3.45	94	361476	10.009	ppbv	99
7) Chloroethane	3.53	64	224139	9.368	ppbv	93
8) Dichlorotetrafluoroethane	3.17	85	1507867	9.546	ppbv	94
9) Propene	2.99	41	626294	8.424	ppbv	98
10) Heptane	8.08	43	1589897	8.652	ppbv	98
11) Trichlorofluoromethane	3.92	101	1589091	10.523	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1153944	10.802	ppbv	96
13) Ethanol	3.58	45	79086m	11.007	ppbv	
14) Bromoethene	3.72	108	480265	10.040	ppbv	97
15) Acetone	3.83	43	793647	9.522	ppbv	98
16) 1,3-Butadiene	3.30	39	617142	9.491	ppbv	97
17) tert-Butyl alcohol	4.26	59	919574	9.096	ppbv	99
18) 1,1-Dichloroethene	4.26	96	502147	10.247	ppbv	98
19) Isopropyl Alcohol	3.94	45	519726	8.630	ppbv #	97
20) Methylene Chloride	4.32	84	436334	9.347	ppbv	96
21) Allyl Chloride	4.38	41	745494	9.663	ppbv	97
22) trans-1,2-Dichloroethene	4.85	96	540127	10.882	ppbv	98
23) Vinyl Acetate	5.04	43	1158222	9.600	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1060830	10.559	ppbv	97
25) Ethyl Acetate	5.65	43	2414663	8.717	ppbv	99
26) Hexane	5.65	57	1105707	8.282	ppbv	98
27) Carbon Disulfide	4.52	76	1303242	10.897	ppbv	100
28) Methyl tert-Butyl Ether	5.00	73	1123491	9.906	ppbv	98
29) Chloroform	5.72	83	1789477	9.094	ppbv	98
30) Cyclohexane	7.09	84	970070	8.003	ppbv	94
31) cis-1,2-Dichloroethene	5.51	61	1069888	8.424	ppbv	95
32) 1,1,1-Trichloroethane	6.47	97	1755416	8.790	ppbv	97
34) 2-Butanone	5.21	43	846769	8.061	ppbv	97
35) Carbon Tetrachloride	6.98	117	1841458	10.061	ppbv	96
36) Benzene	6.85	78	2384802	9.177	ppbv	98
37) 1,2-Dichloroethane	6.27	62	1388300	11.062	ppbv	96
38) Trichloroethene	7.79	130	854246	8.715	ppbv	95
39) 1,2-Dichloropropane	7.57	63	941945	9.450	ppbv	93
40) 1,4-Dioxane	7.79	88	229833	8.850	ppbv #	1
41) Tetrahydrofuran	6.01	42	601497	9.225	ppbv	96
42) Bromodichloromethane	7.75	83	2022148	10.599	ppbv	99
43) Methyl Methacrylate	7.97	69	894725	10.064	ppbv	94

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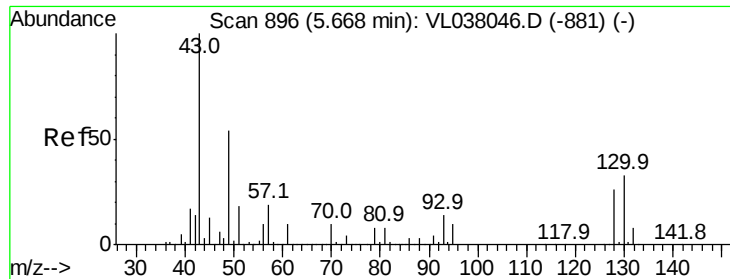
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3975739	9.145	ppbv	98
45) t-1,3-Dichloropropene	9.23	75	875787	12.282	ppbv	99
46) cis-1,3-Dichloropropene	8.66	75	1114188	11.552	ppbv	95
47) 1,1,2-Trichloroethane	9.43	97	949725	9.097	ppbv	93
48) Dibromochloromethane	10.26	129	1639692	10.314	ppbv	99
49) Bromoform	12.99	173	1263041	11.105	ppbv	98
50) 4-Methyl-2-Pentanone	8.70	43	1650482	10.347	ppbv	98
51) 2-Hexanone	10.09	43	783955	10.446	ppbv #	94
52) Tetrachloroethene	11.18	164	784761	8.162	ppbv	97
53) Toluene	9.76	91	2707854	9.057	ppbv	97
54) 1,2-Dibromoethane	10.56	107	1431971	9.711	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.08	131	1043520	9.793	ppbv	98
57) Chlorobenzene	12.10	112	1915540	9.105	ppbv	93
58) Ethyl Benzene	12.66	91	3569074	9.200	ppbv	95
59) m/p-Xylene	12.94	91	6188729m	18.951	ppbv	
60) o-Xylene	13.64	91	2852175	9.415	ppbv	95
61) Styrene	13.48	104	1528056	9.408	ppbv	95
62) Isopropylbenzene	14.62	105	3841204	8.932	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.63	83	2118967	9.417	ppbv	99
64) n-propylbenzene	15.51	120	982567	8.969	ppbv	88
65) tert-Butylbenzene	16.69	119	3343243	8.824	ppbv	96
66) Benzyl Chloride	16.93	91	197632	10.293	ppbv #	91
67) sec-Butylbenzene	17.24	105	4735859	8.971	ppbv	100
69) p-Isopropyltoluene	17.60	119	3824067	9.260	ppbv	98
70) n-Butylbenzene	18.50	91	3928222	9.949	ppbv	99
71) 2-Chlorotoluene	15.40	91	2976137	9.466	ppbv	97
72) 4-Ethyltoluene	15.79	105	3268704	9.306	ppbv	97
73) 1,3,5-Trimethylbenzene	15.95	105	2928556	9.129	ppbv	99
74) 1,2,4-Trimethylbenzene	16.71	105	3103475	9.388	ppbv	97
75) 1,3-Dichlorobenzene	16.94	146	1768439	9.739	ppbv	99
76) 1,4-Dichlorobenzene	17.09	146	1689280	9.245	ppbv	99
77) 1,2-Dichlorobenzene	17.76	146	1672316	9.512	ppbv	99
78) Hexachloro-1,3-Butadiene	23.32	225	879579	8.013	ppbv	99
79) Naphthalene	22.13	128	1600992	9.196	ppbv	100
80) Naphthalene,2-methyl-	24.93	142	344413	9.231	ppbv	96
81) 1,2,4-Trichlorobenzene	21.86	180	908092	9.077	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:

Ion Ratio

49 100

128 48.

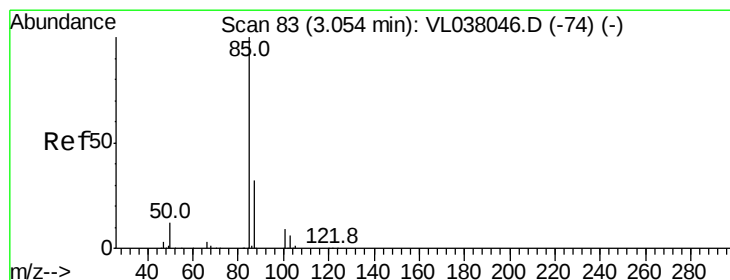
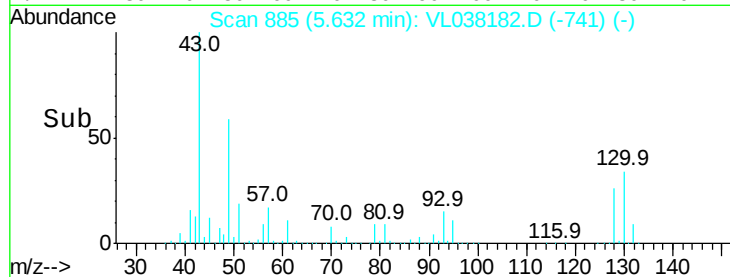
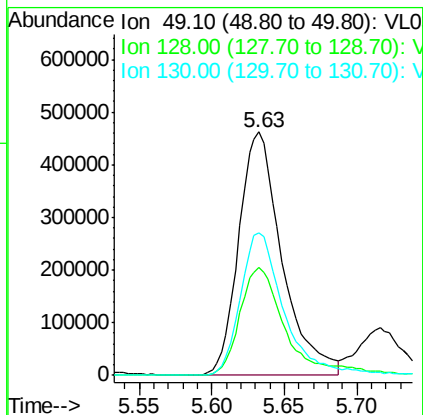
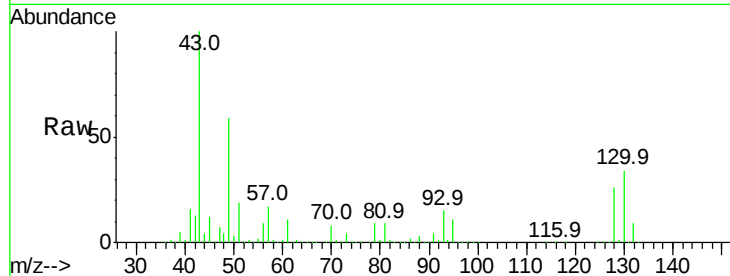
130 60.

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 7.662 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL038182.D

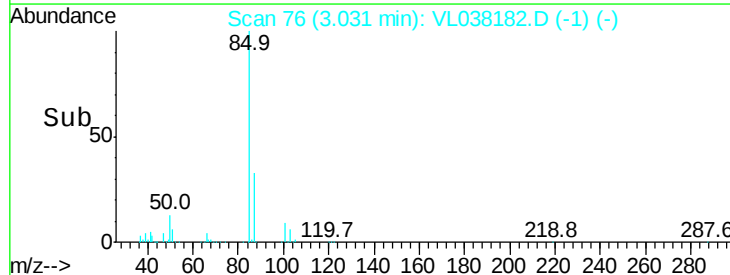
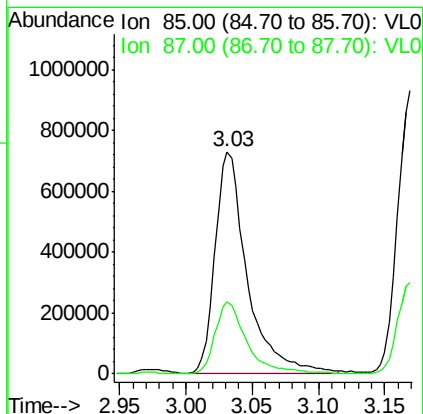
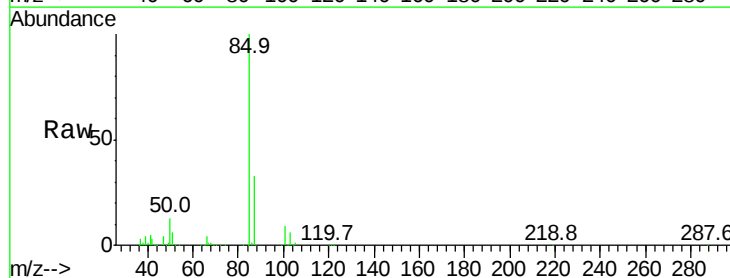
Acq: 15 Dec 2021 10:16

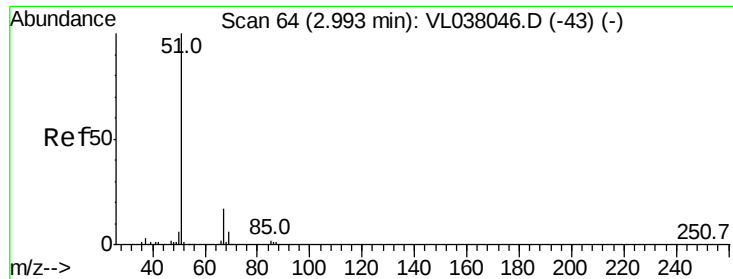
Tgt Ion: 85 Resp: 1216606

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.6



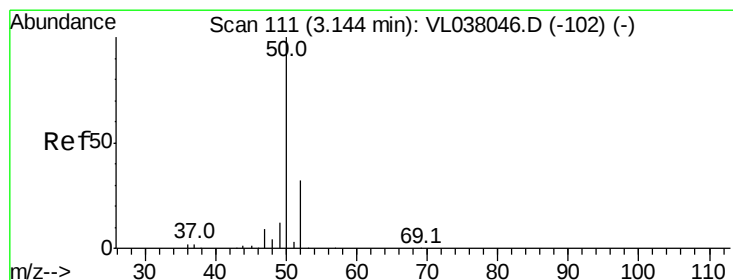
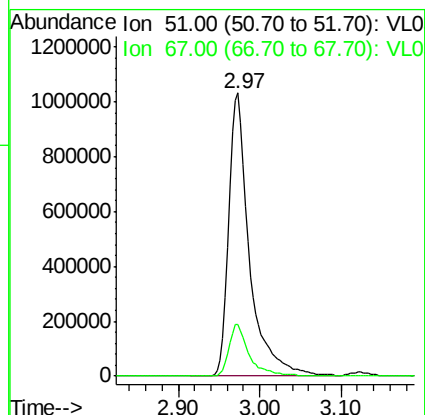
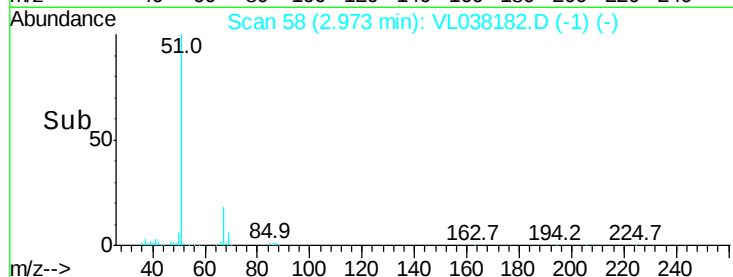
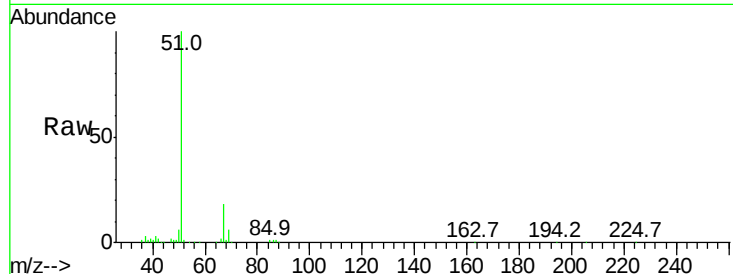


#3
Chlorodifluoromethane
Concen: 9.197 ppbv
RT: 2.97
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 15 Dec 2021 10:16

Tot Ion:
Ion Ratio
51 100
67 18.

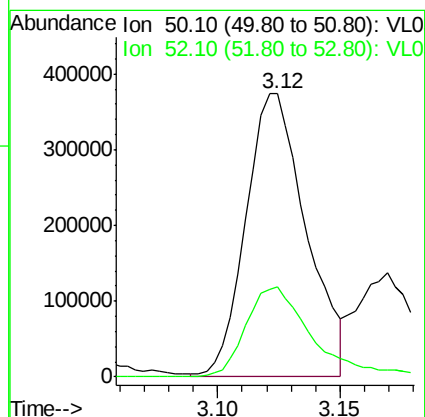
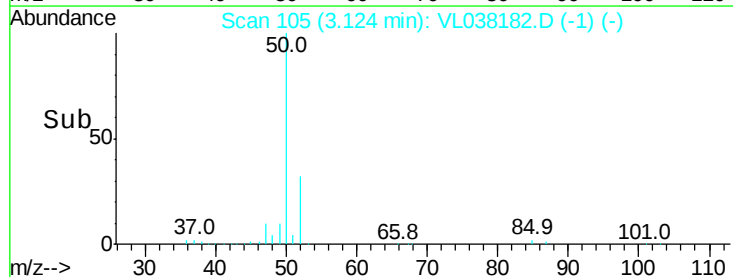
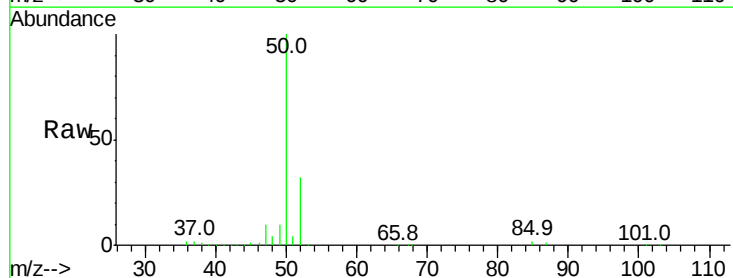
Manual Integrations
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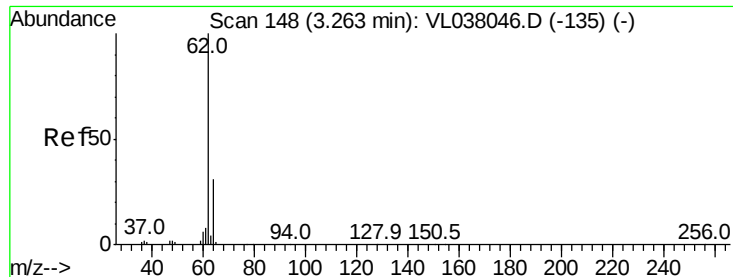
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#4
Chloromethane
Concen: 9.272 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.02 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion: 50 Resp: 637206
Ion Ratio Lower Upper
50 100
52 32.0 25.4 38.0





#5

Vinyl Chloride

Concen: 9.571 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:

Ion Ratio

62 100

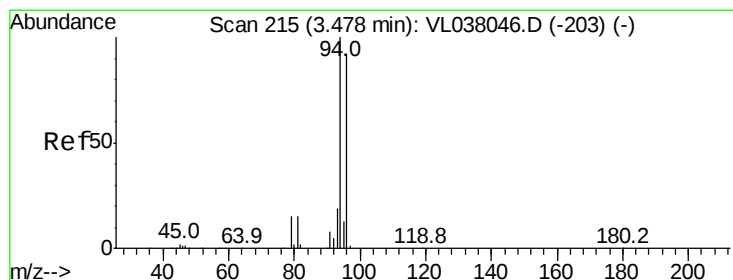
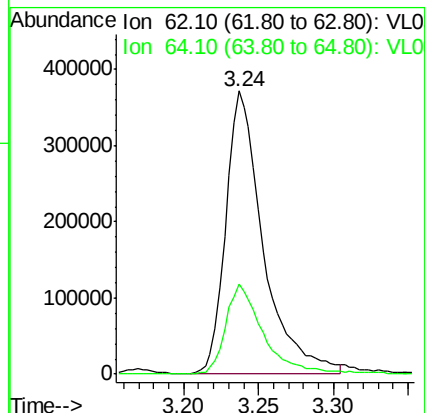
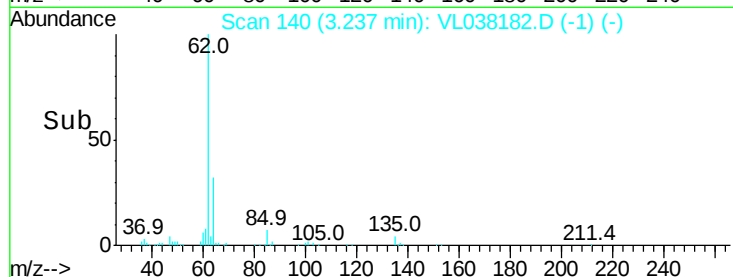
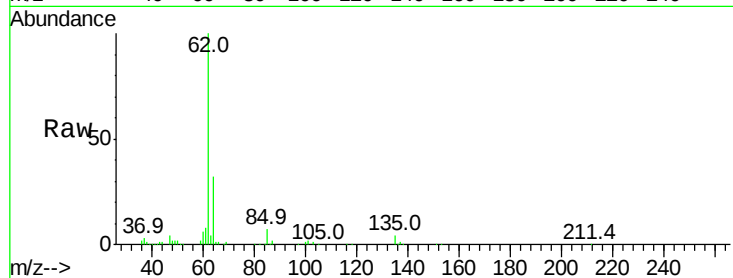
64 31.

Manual Integrations

APPROVED

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#6

Bromomethane

Concen: 10.009 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.03 min

Lab File: VL038182.D

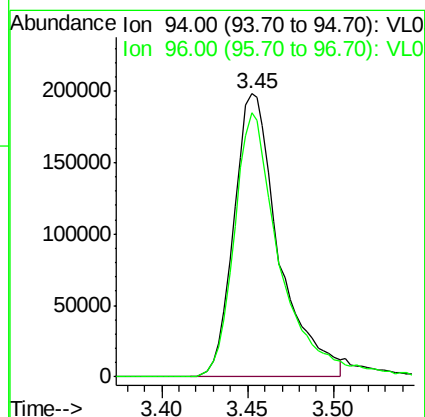
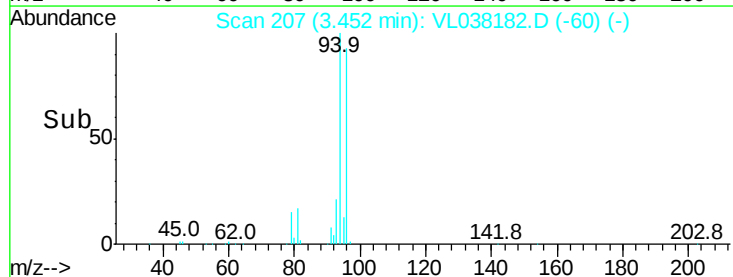
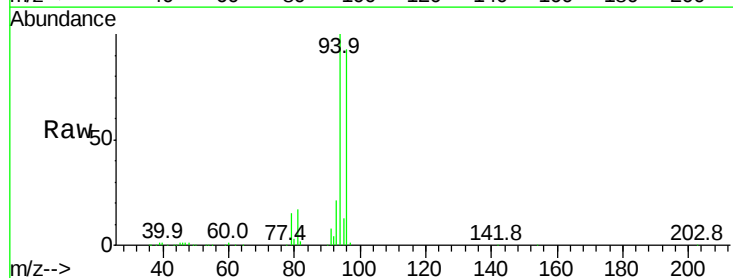
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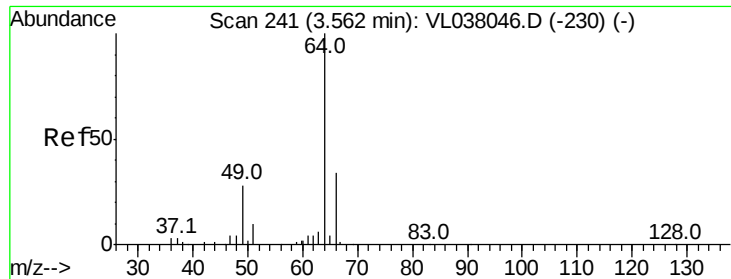
Tgt Ion: 94 Resp: 361476

Ion Ratio Lower Upper

94 100

96 93.2 73.9 110.9





#7

Chloroethane

Concen: 9.368 ppbv

RT: 3.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:

Ion Ratio

64 100

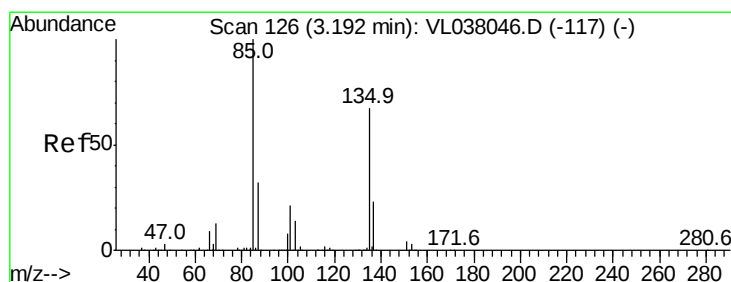
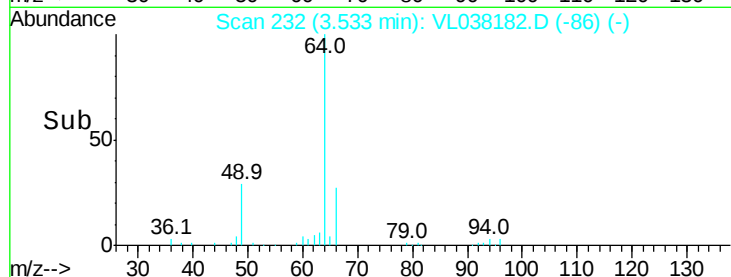
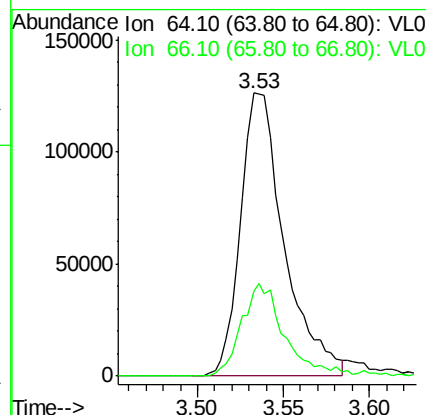
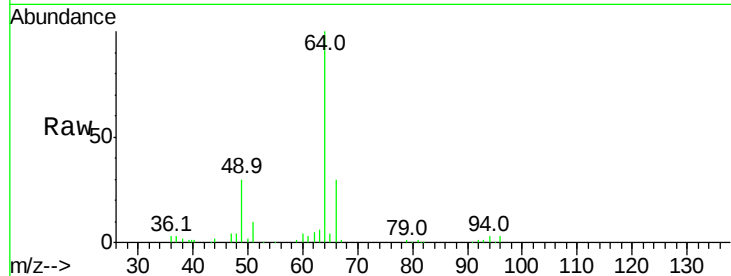
66 30.

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.546 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.02 min

Lab File: VL038182.D

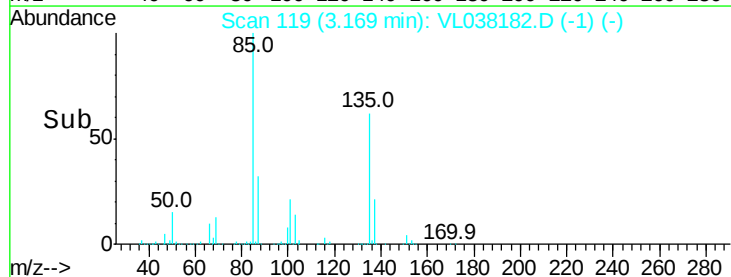
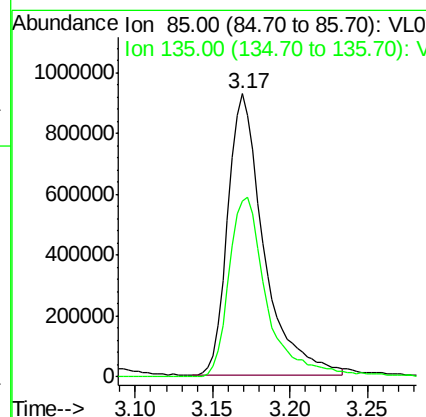
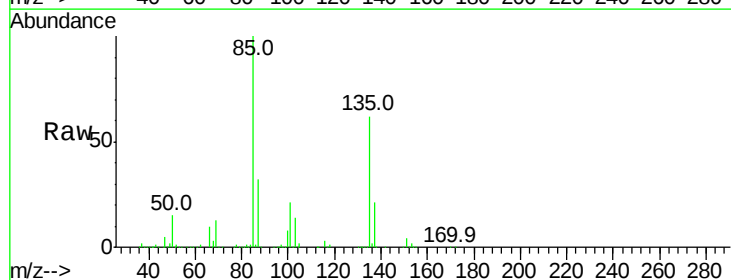
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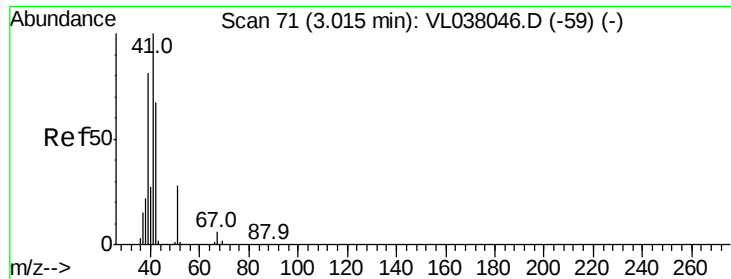
Tgt Ion: 85 Resp: 1507867

Ion Ratio Lower Upper

85 100

135 67.7 57.9 86.9





#9

Propene

Concen: 8.424 ppbv

RT: 2.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId : VSTDCCC010EC

Acq: 15 Dec 2021 10:16

Tot Ion:

Ion Ratio

41 100

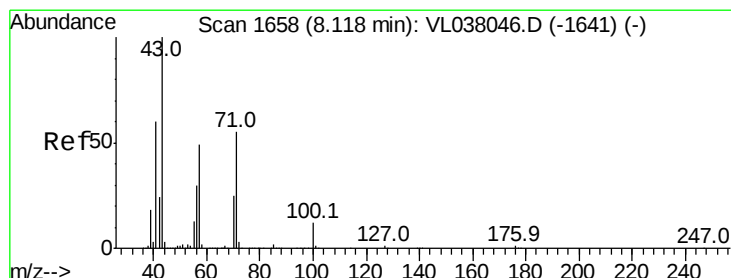
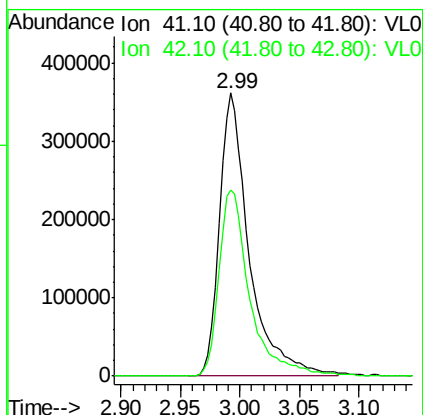
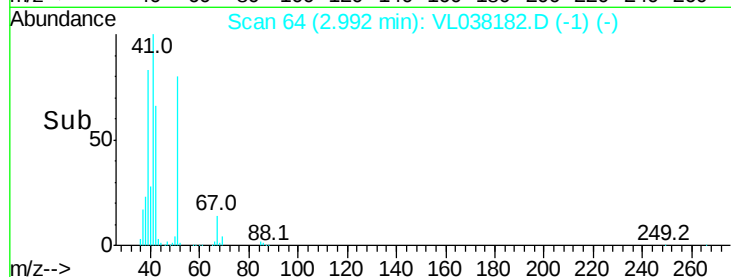
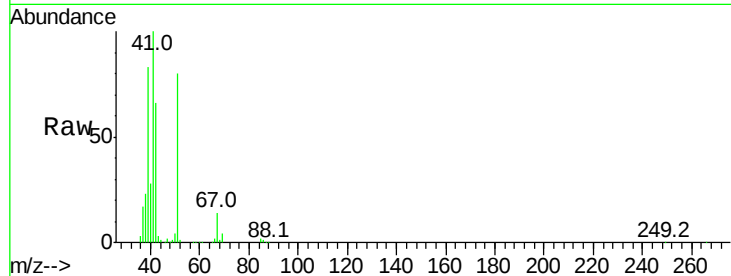
42 68.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/16/2021



#10

Heptane

Concen: 8.652 ppbv

RT: 8.08 min Scan# 1646

Delta R.T. -0.04 min

Lab File: VL038182.D

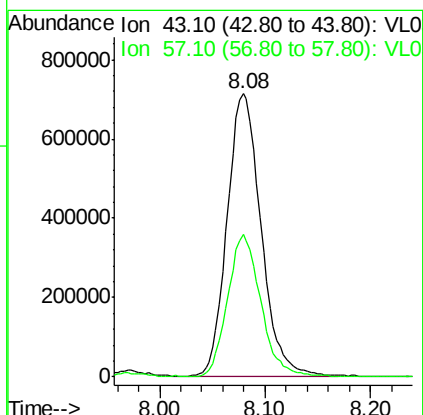
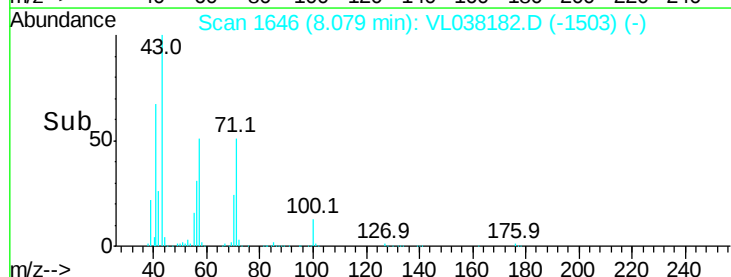
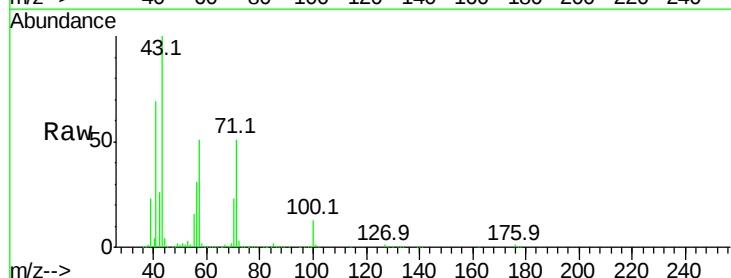
Acq: 15 Dec 2021 10:16

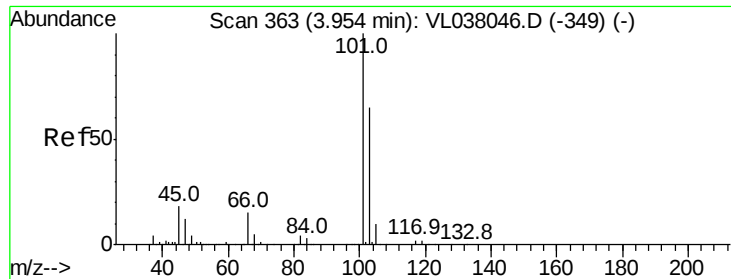
Tgt Ion: 43 Resp: 1589897

Ion Ratio Lower Upper

43 100

57 49.3 40.4 60.6



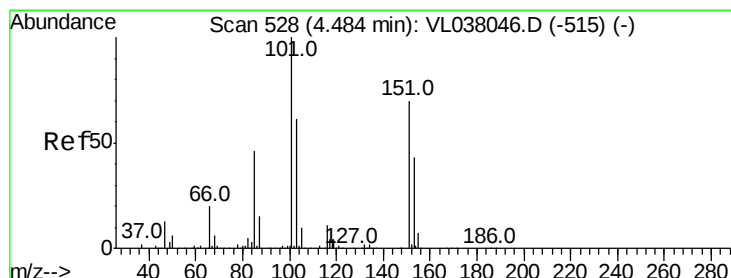
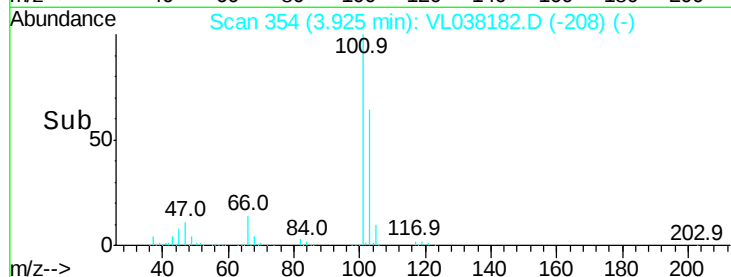
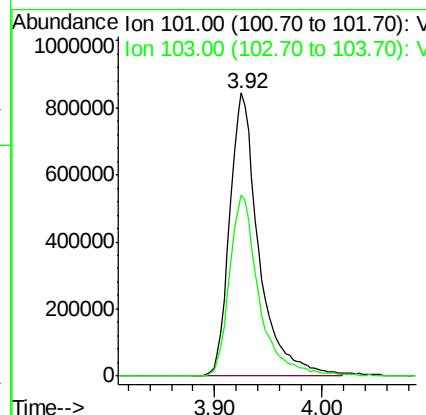
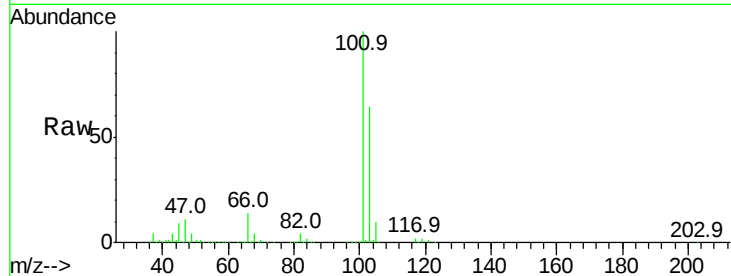


#11
 Trichlorofluoromethane
 Concen: 10.523 ppbv
 RT: 3.92
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 15 Dec 2021 10:16

Tot Ion:1
 Ion Ratio
 101 100
 103 63.

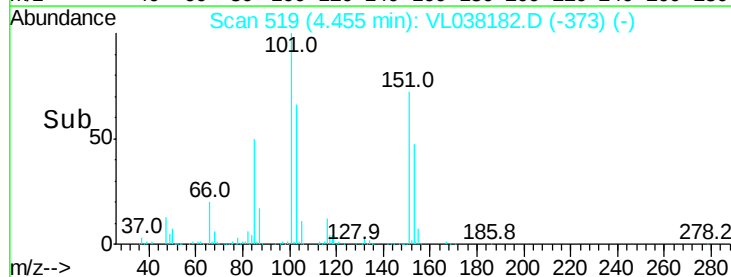
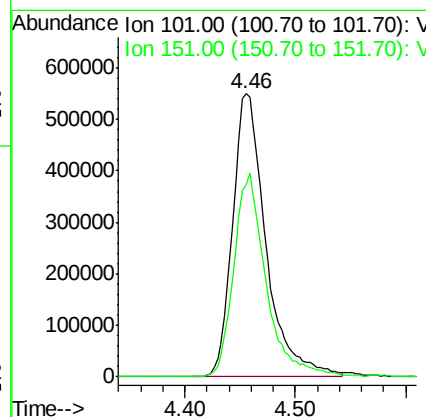
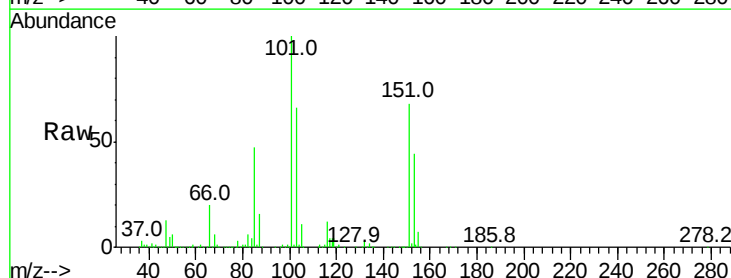
Manual Integrations
 APPROVED

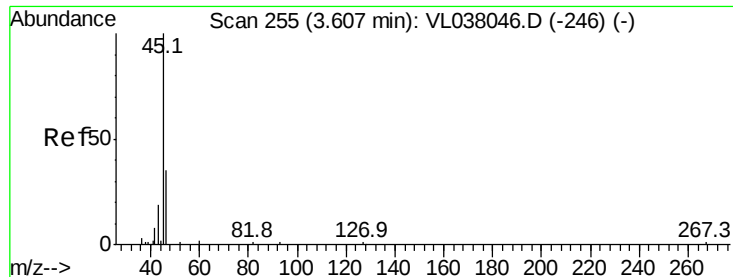
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.802 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.03 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion:101 Resp: 1153944
 Ion Ratio Lower Upper
 101 100
 151 70.2 59.0 88.4



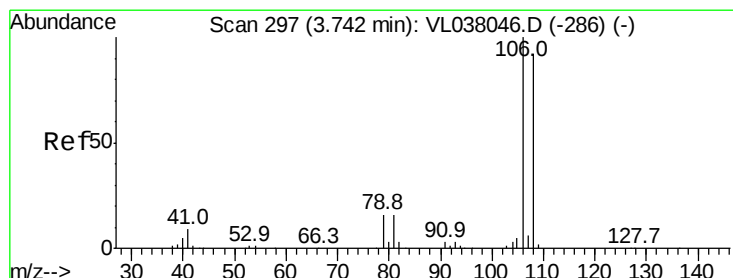
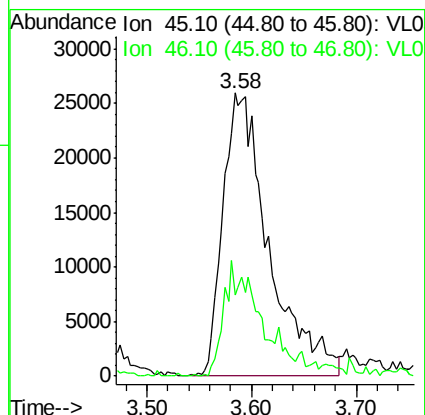
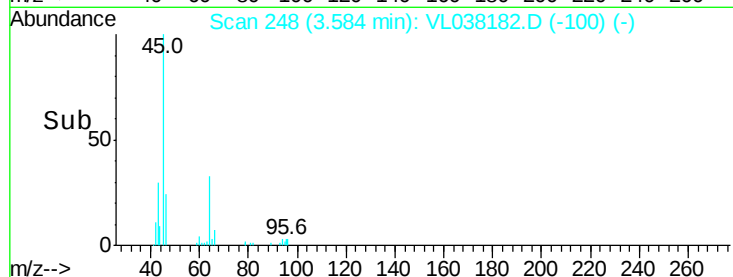
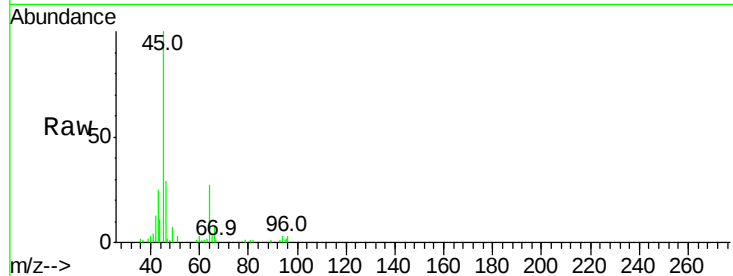


#13
Ethanol
Concen: 11.007 ppbv m
RT: 3.58
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 15 Dec 2021 10:16
VSTDCCC010EC

Tot Ion:
Ion Ratio
45 100
46 33.

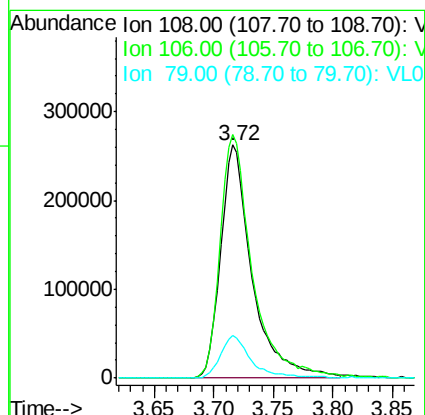
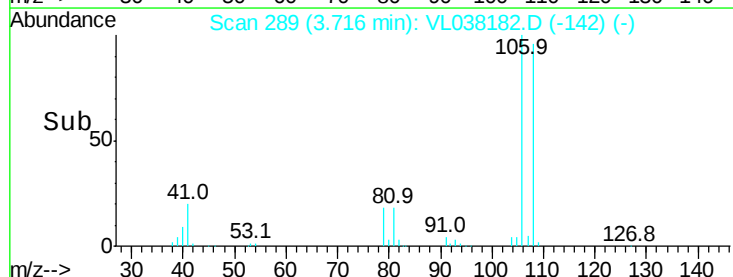
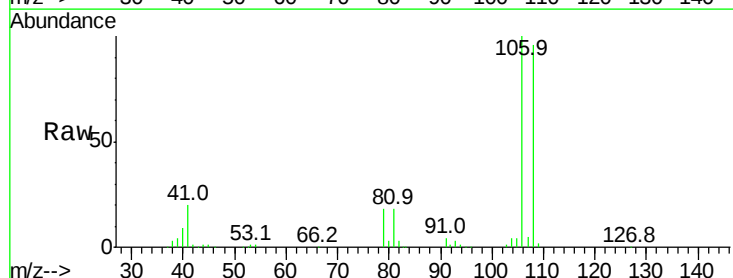
Manual Integrations
APPROVED

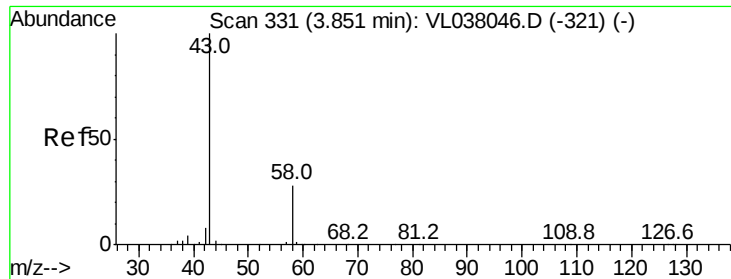
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#14
Bromoethene
Concen: 10.040 ppbv
RT: 3.72 min Scan# 289
Delta R.T. -0.03 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion:108 Resp: 480265
Ion Ratio Lower Upper
108 100
106 107.9 89.4 134.0
79 18.3 14.1 21.1



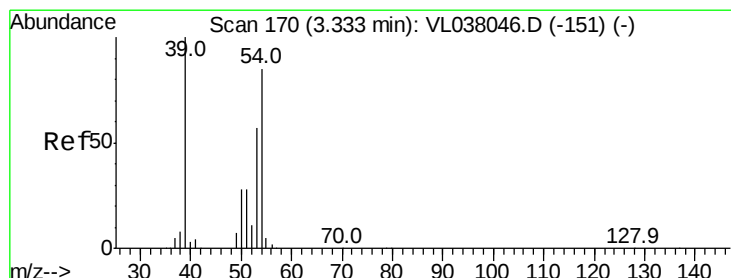
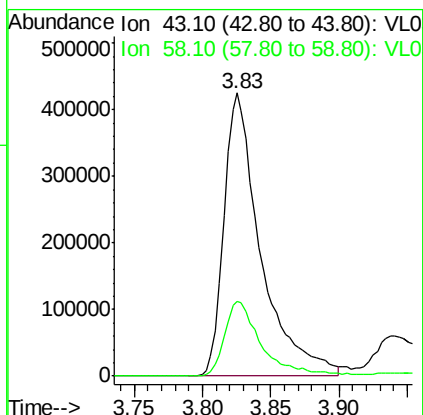
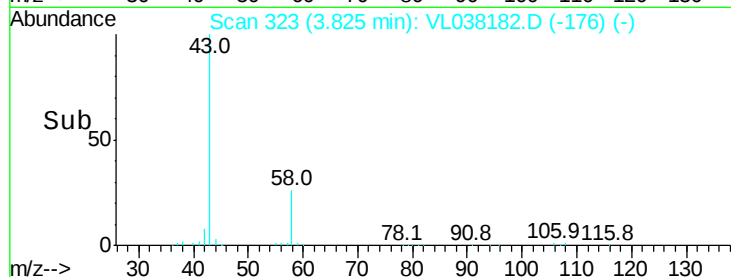
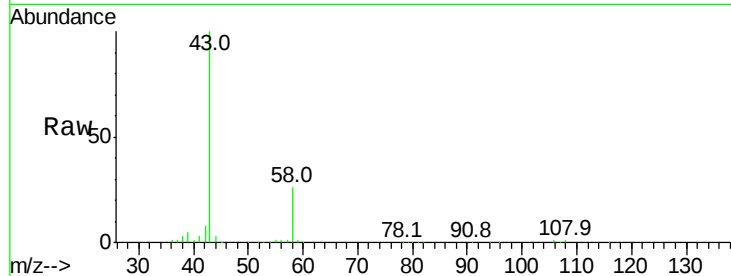


#15
Acetone
Concen: 9.522 ppbv
RT: 3.83
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 15 Dec 2021 10:16

Tot Ion:
Ion Ratio
43 100
58 26.

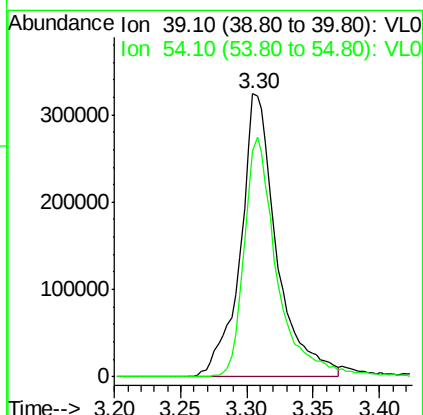
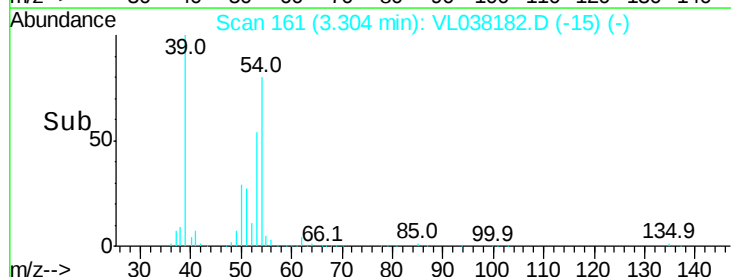
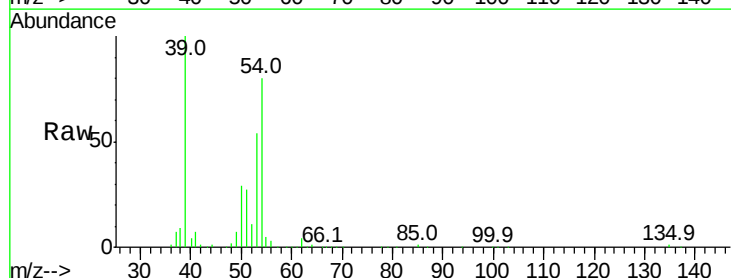
Manual Integrations
APPROVED

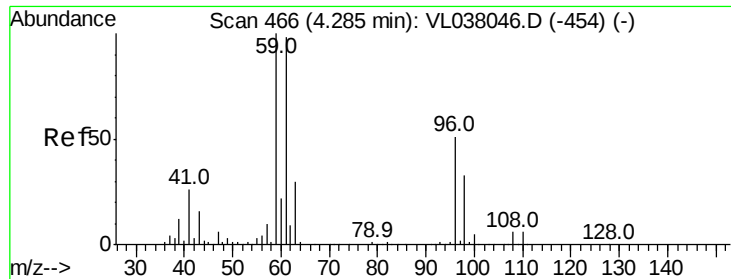
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#16
1,3-Butadiene
Concen: 9.491 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.03 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion: 39 Resp: 617142
Ion Ratio Lower Upper
39 100
54 77.4 64.4 96.6





#17

tert-Butyl alcohol

Concen: 9.096 ppbv

RT: 4.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:

Ion Ratio

59 100

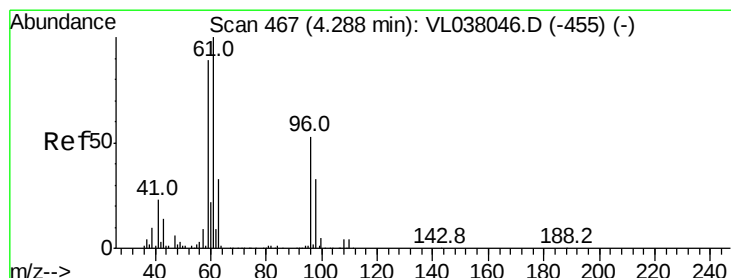
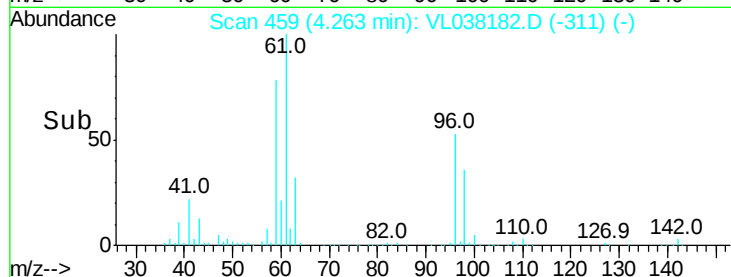
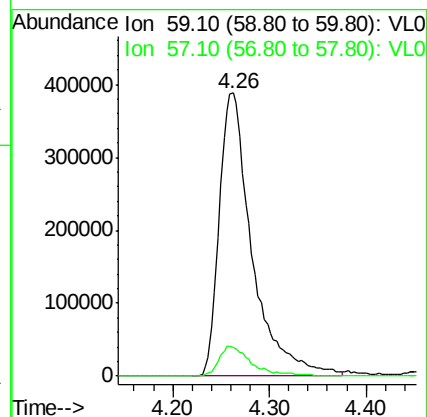
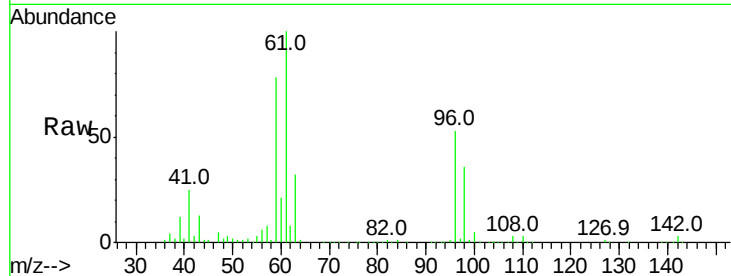
57 10.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#18

1,1-Dichloroethene

Concen: 10.247 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.03 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

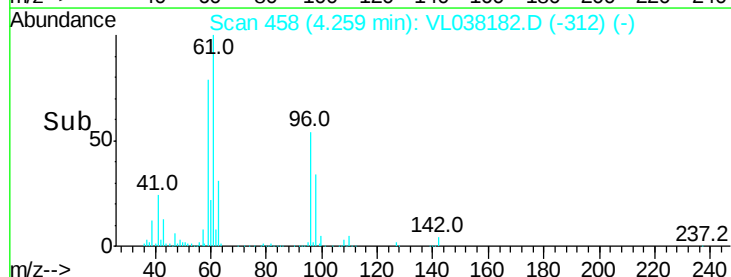
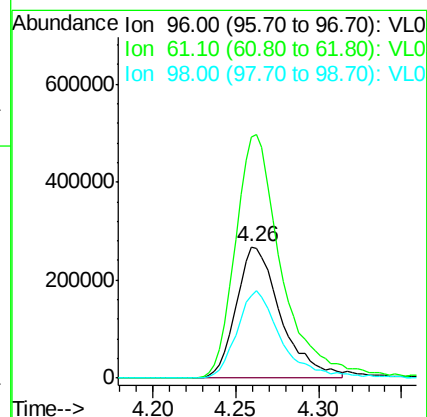
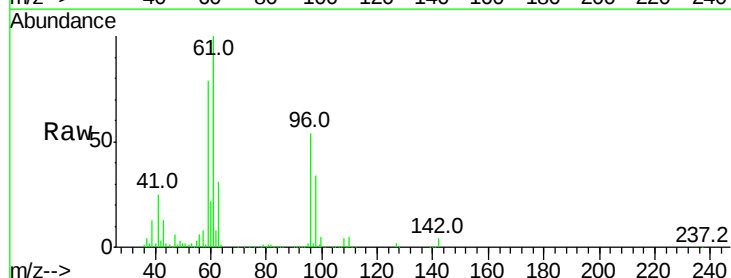
Tgt Ion: 96 Resp: 502147

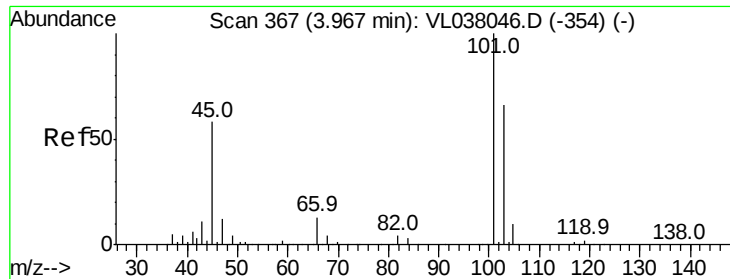
Ion Ratio Lower Upper

96 100

61 184.2 149.8 224.8

98 62.3 50.2 75.2





#19

Isopropyl Alcohol

Concen: 8.630 ppbv

RT: 3.94

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 10:16

Tot Ion:

Ion Ratio

45 100

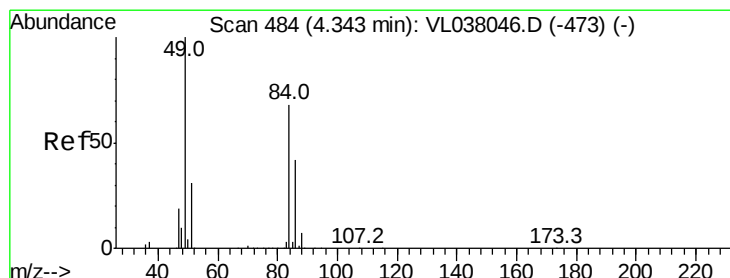
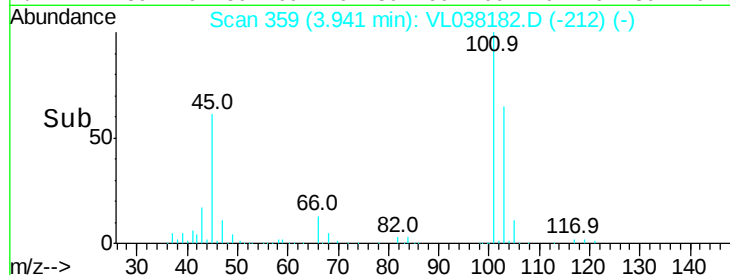
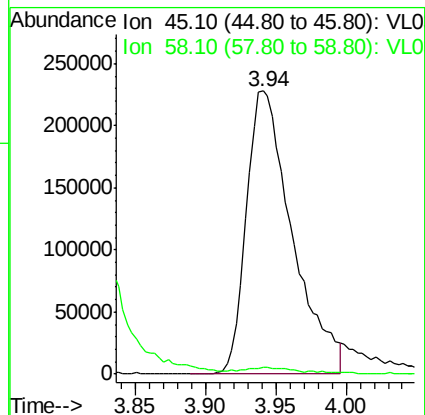
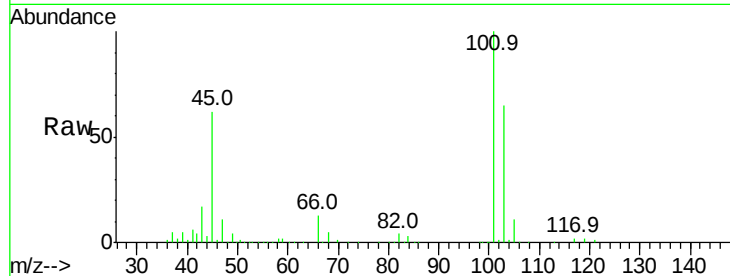
58 2.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#20

Methylene Chloride

Concen: 9.347 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

Tgt Ion: 84 Resp: 436334

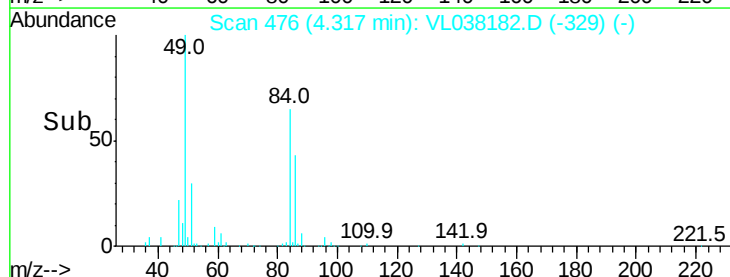
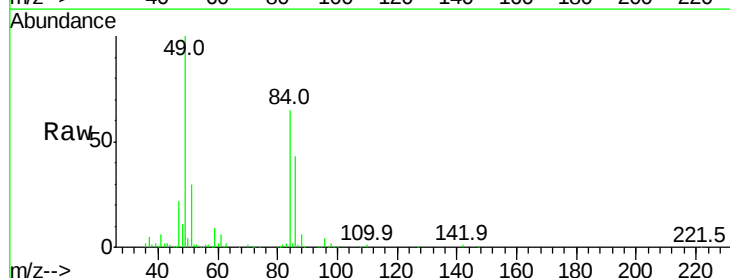
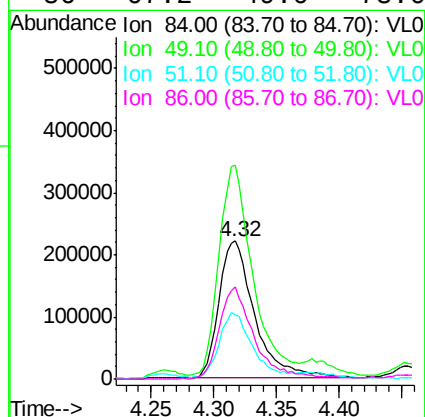
Ion Ratio Lower Upper

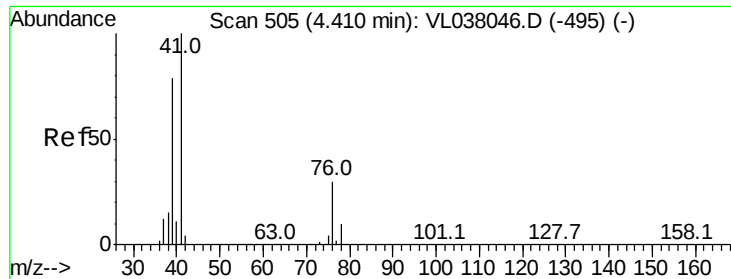
84 100

49 152.9 118.2 177.2

51 45.5 36.8 55.2

86 67.2 49.0 73.6



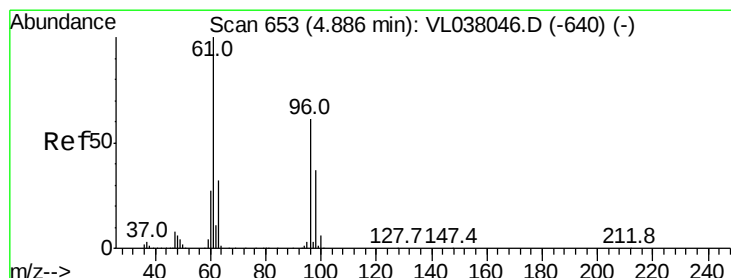
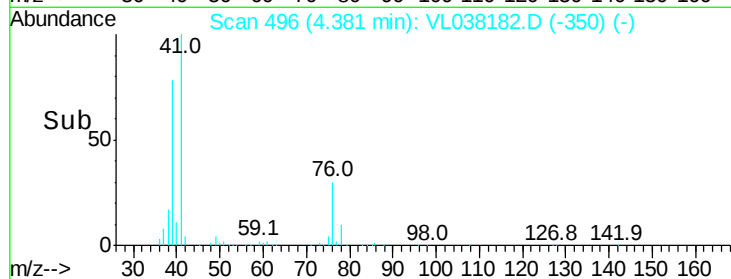
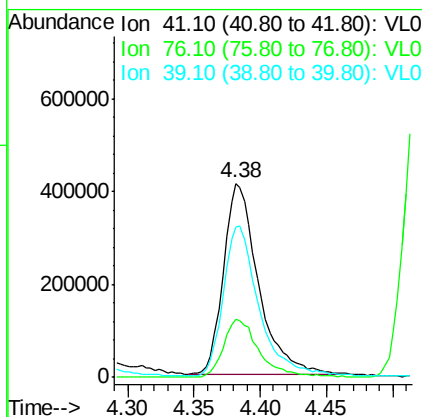
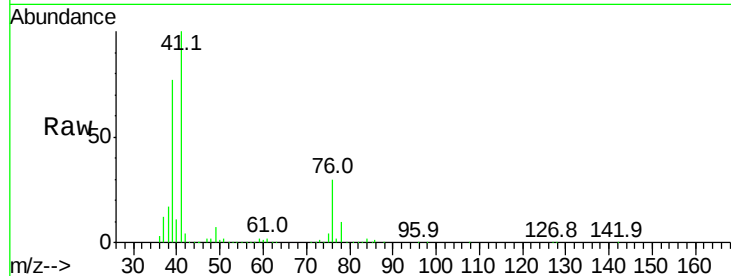


#21
 Allvl Chloride
 Concen: 9.663 ppbv
 RT: 4.38
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 15 Dec 2021 10:10

Tot Ion:
 Ion Ratio
 41 100
 76 31.
 39 82.

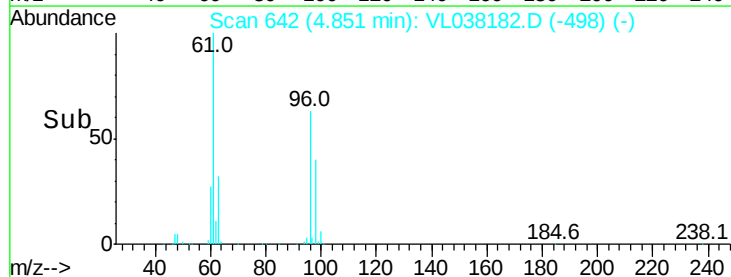
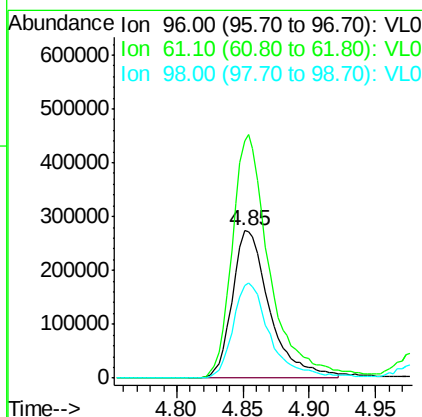
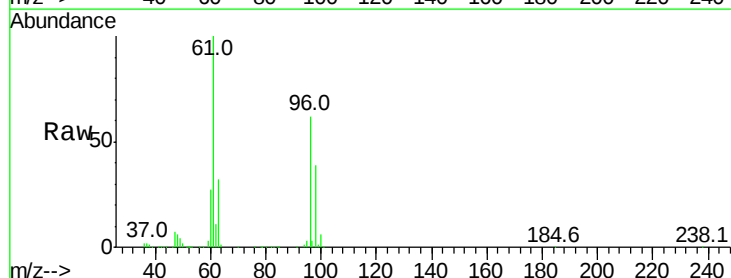
Manual Integrations
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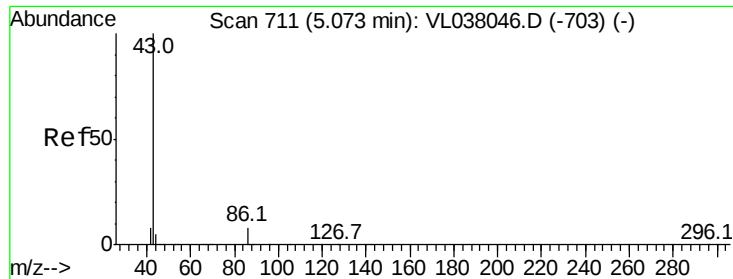
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#22
 trans-1,2-Dichloroethene
 Concen: 10.882 ppbv
 RT: 4.85 min Scan# 642
 Delta R.T. -0.04 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion: 96 Resp: 540127
 Ion Ratio Lower Upper
 96 100
 61 161.6 131.6 197.4
 98 62.9 48.4 72.6





#23

Vinyl Acetate

Concen: 9.600 ppbv

RT: 5.04 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:

Ion Ratio

43 100

86 6.

42 10.

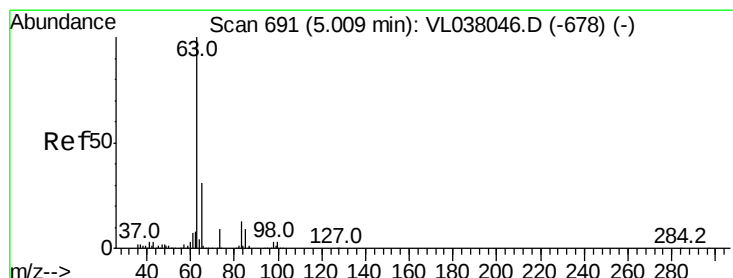
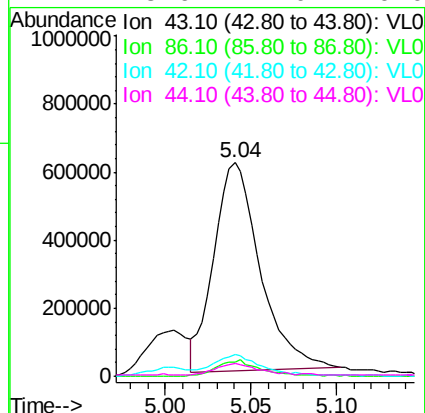
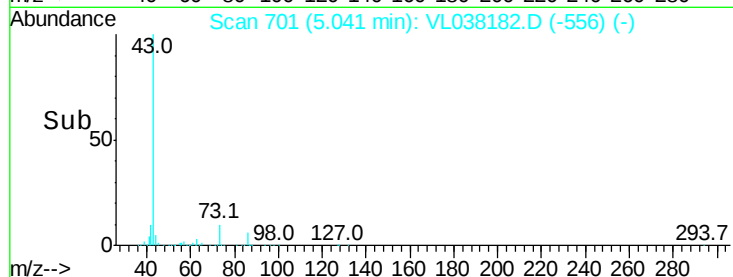
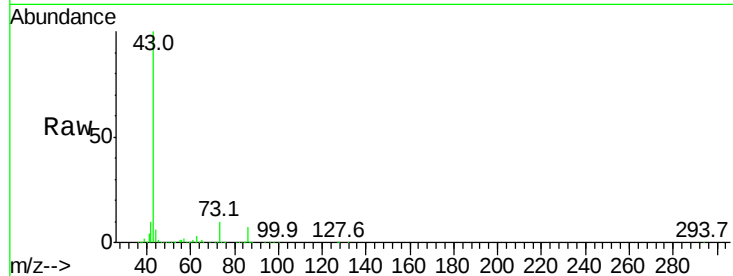
44 5.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#24

1,1-Dichloroethane

Concen: 10.559 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.03 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

Tgt Ion: 63 Resp: 1060830

Ion Ratio Lower Upper

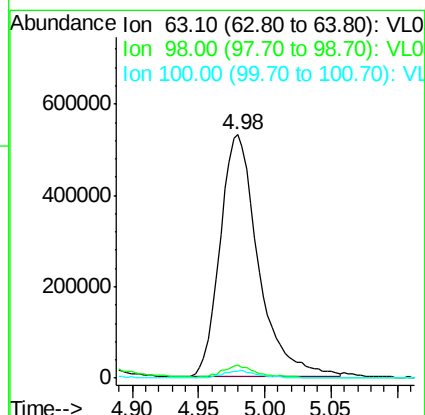
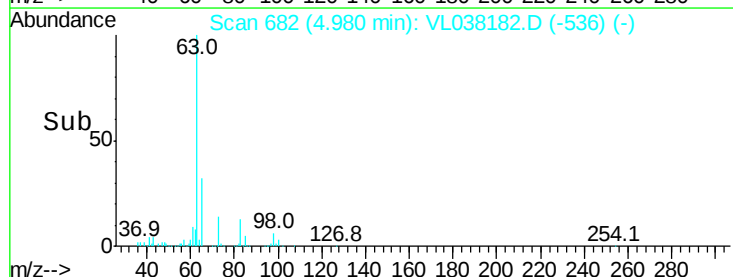
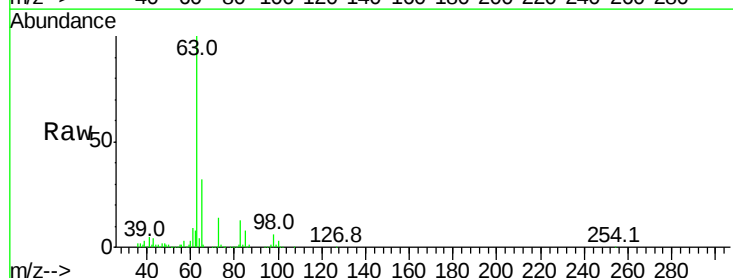
63 100

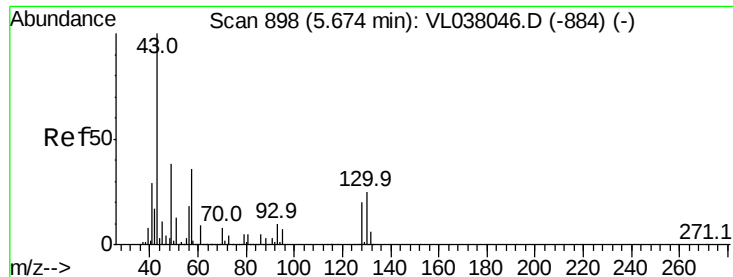
98 5.3

100 3.1

1.8 5.4

1.4 4.0





#25

Ethyl Acetate

Concen: 8.717 ppbv

RT: 5.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:

Ion Ratio

43 100

45 10.

61 9.

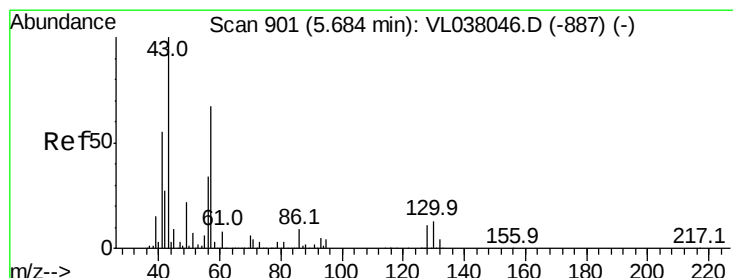
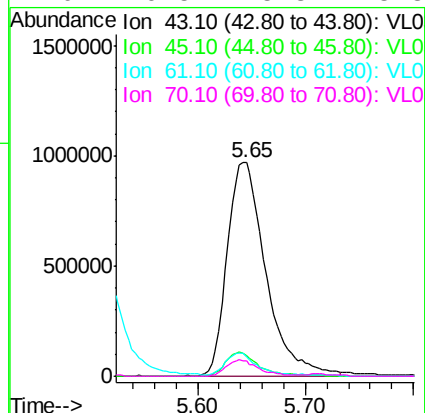
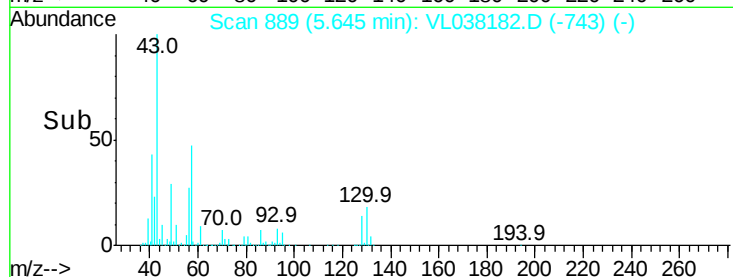
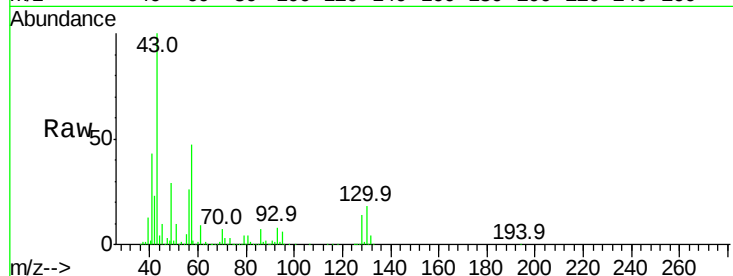
70 6.5

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#26

Hexane

Concen: 8.282 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

Tgt Ion: 57 Resp: 1105707

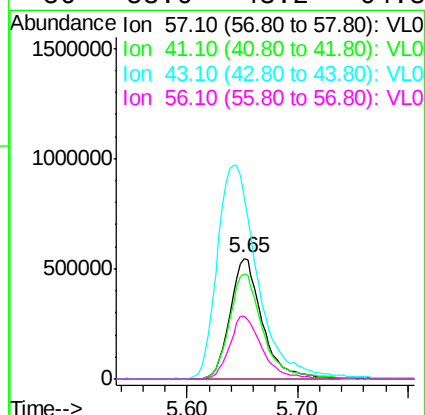
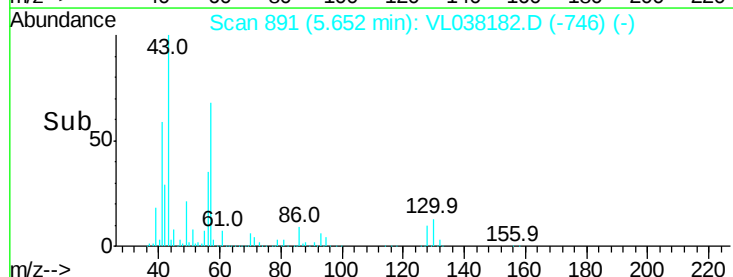
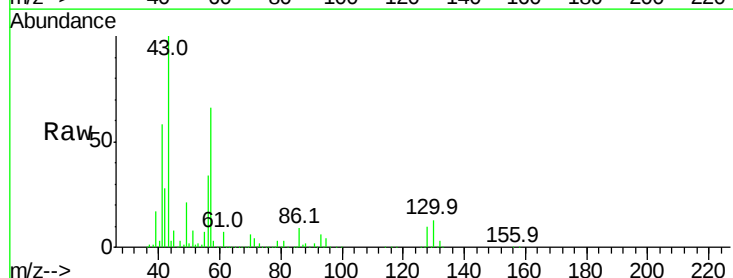
Ion Ratio Lower Upper

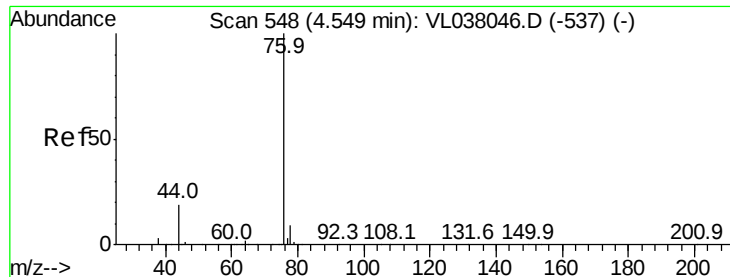
57 100

41 91.6 71.4 107.2

43 222.7 174.6 261.8

56 53.6 43.2 64.8



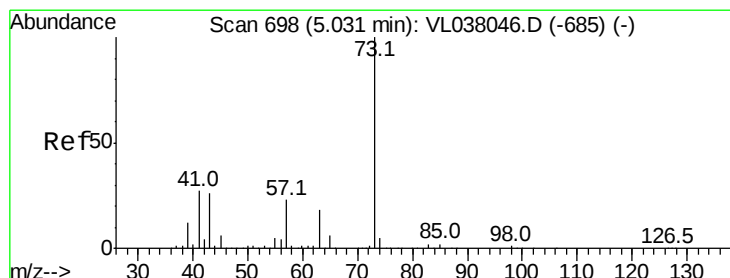
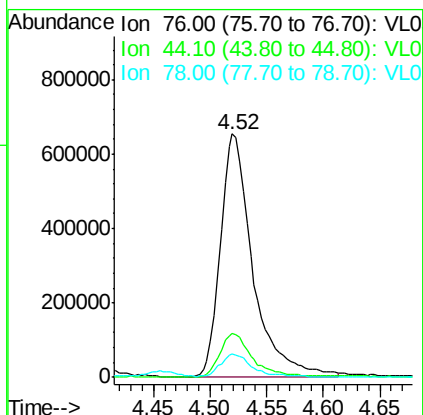
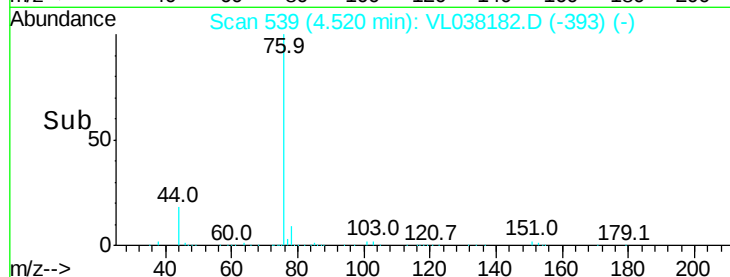
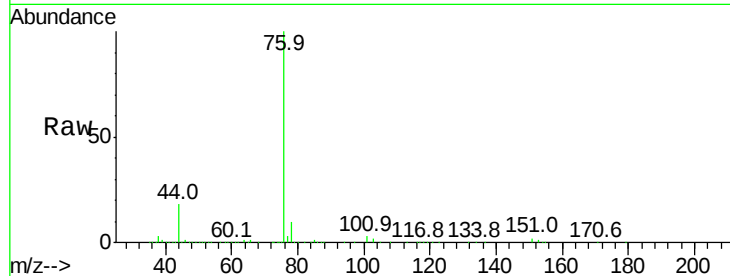


#27
Carbon Disulfide
Concen: 10.897 ppbv
RT: 4.52
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 15 Dec 2021 10:16

Tot Ion:
Ion Ratio
76 100
44 18.
78 10.

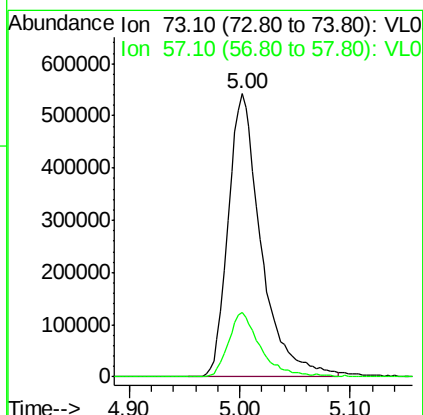
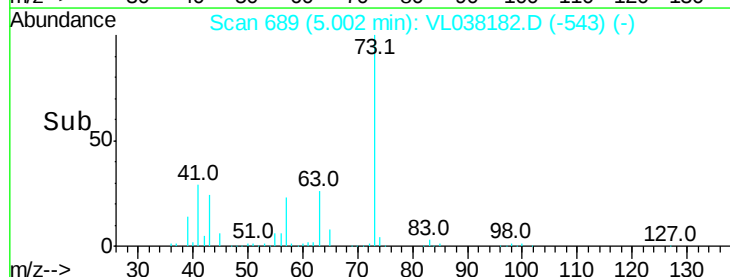
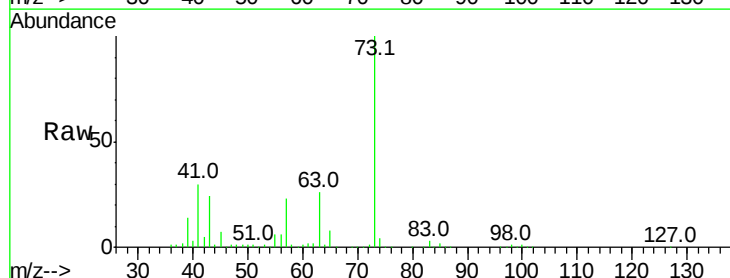
Manual Integrations
APPROVED

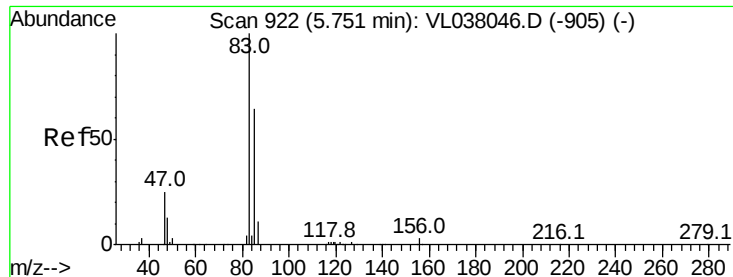
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#28
Methyl tert-Butyl Ether
Concen: 9.906 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.03 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion: 73 Resp: 1123491
Ion Ratio Lower Upper
73 100
57 22.8 19.0 28.4



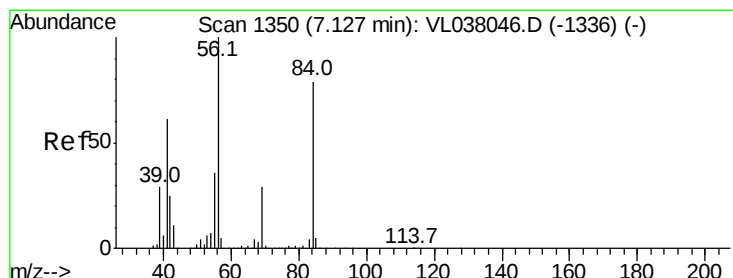
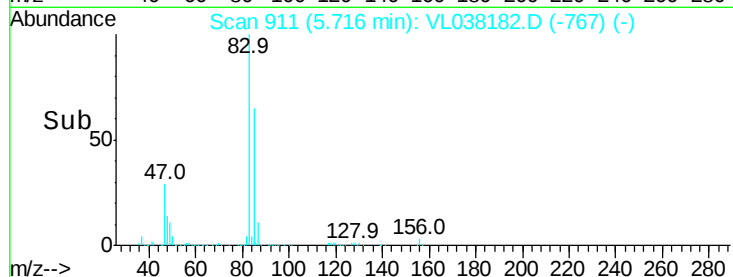
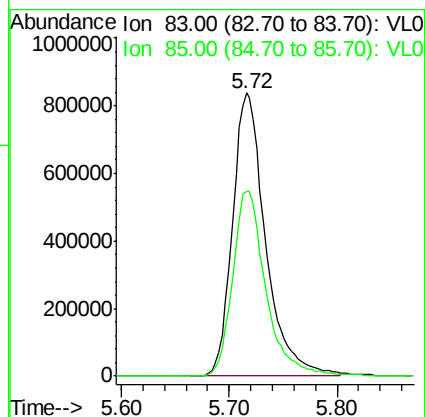
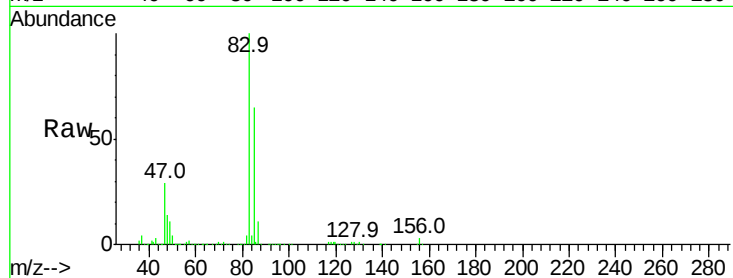


#29
Chloroform
Concen: 9.094 ppbv
RT: 5.72
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Dec 2021 10:16
VSTDCCC010EC

Tot Ion:
Ion Ratio
83 100
85 65.

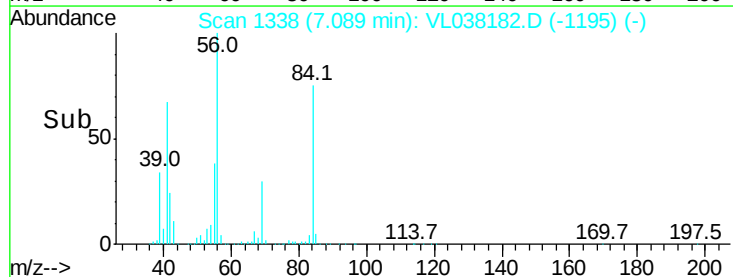
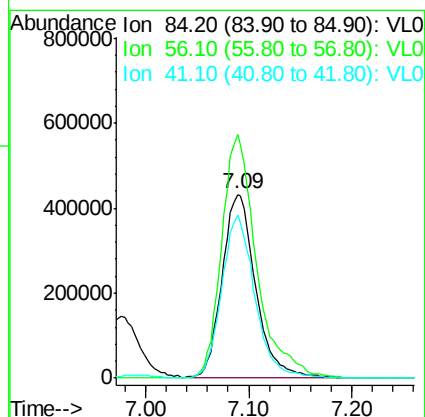
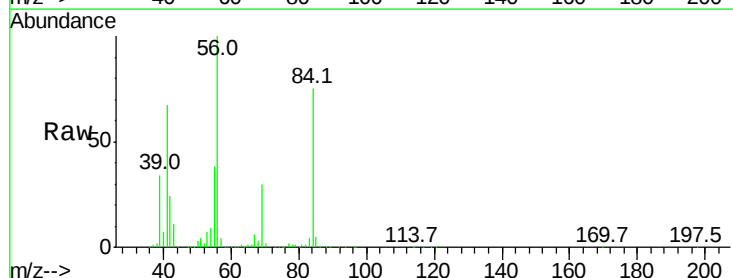
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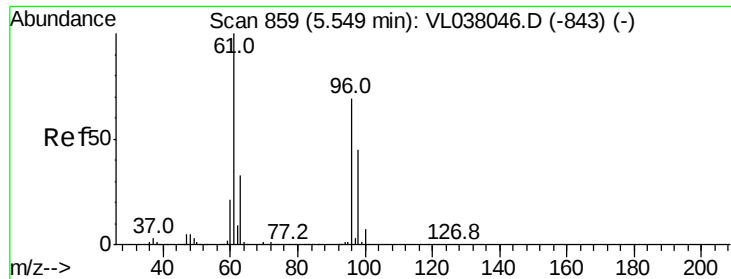
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#30
Cyclohexane
Concen: 8.003 ppbv
RT: 7.09 min Scan# 1338
Delta R.T.: -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion: 84 Resp: 970070
Ion Ratio Lower Upper
84 100
56 140.1 108.1 162.1
41 89.1 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 8.424 ppbv

RT: 5.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:

Ion Ratio

61 100

96 64.

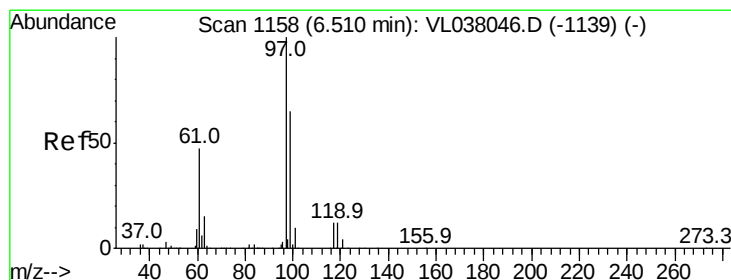
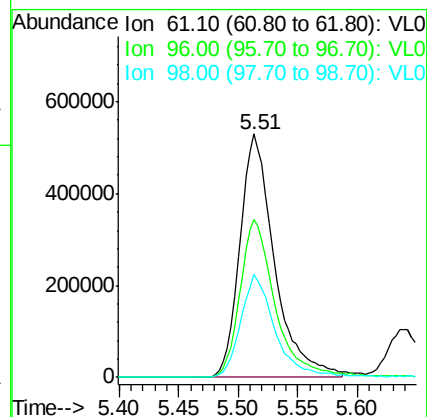
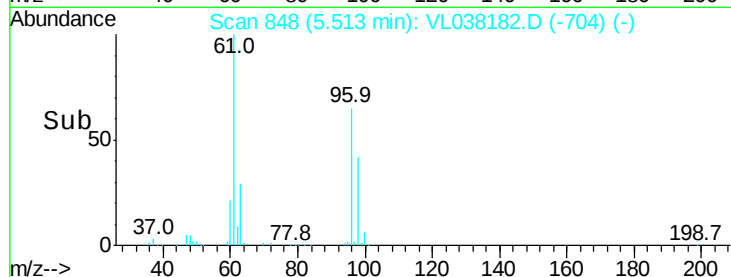
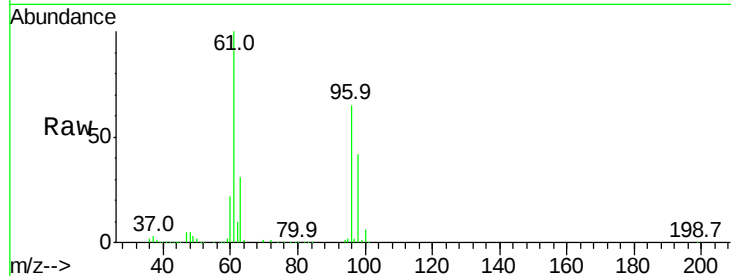
98 41.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#32

1,1,1-Trichloroethane

Concen: 8.790 ppbv

RT: 6.47 min Scan# 1146

Delta R.T. -0.04 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

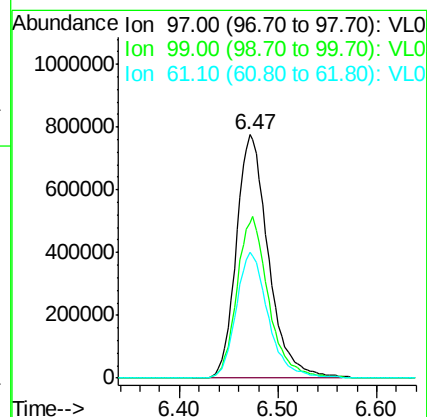
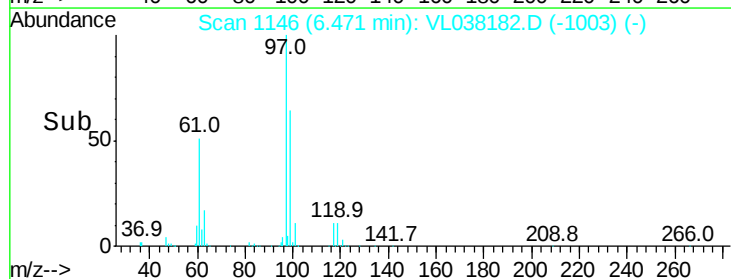
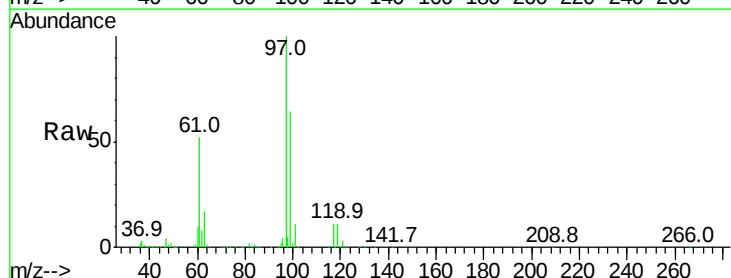
Tgt Ion: 97 Resp: 1755416

Ion Ratio Lower Upper

97 100

99 65.5 52.2 78.4

61 51.4 37.7 56.5



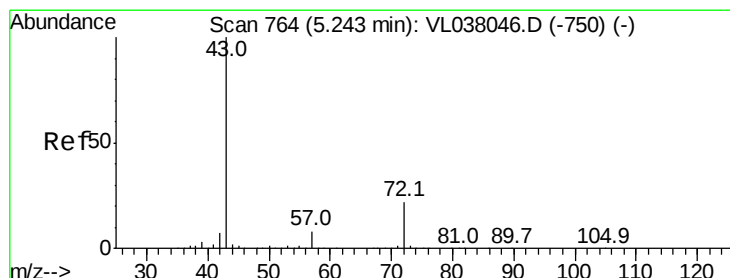
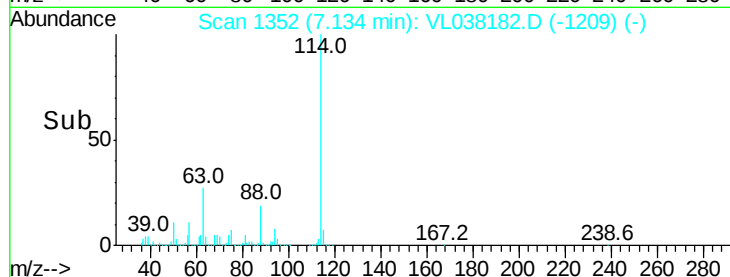
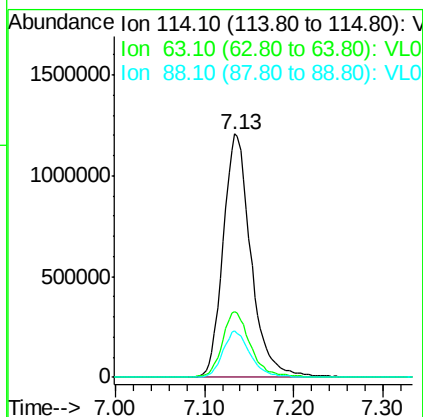
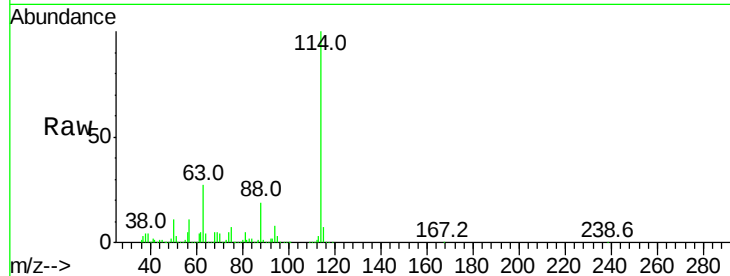


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.13
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 15 Dec 2021 10:16

Tot Ion:1
 Ion Rati
 114 100
 63 27.
 88 18.

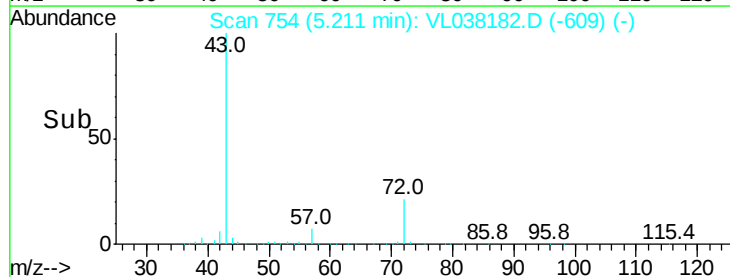
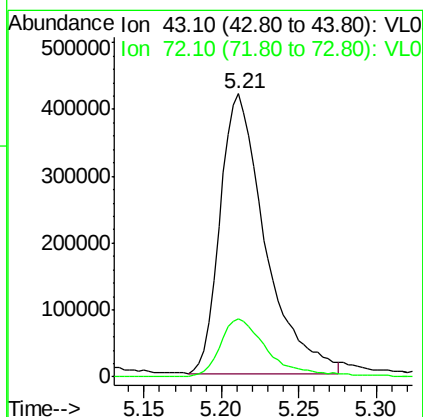
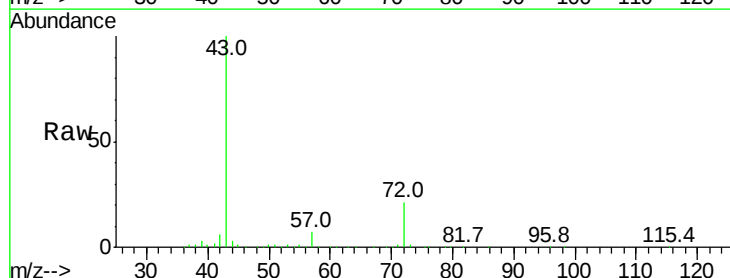
Manual Integrations
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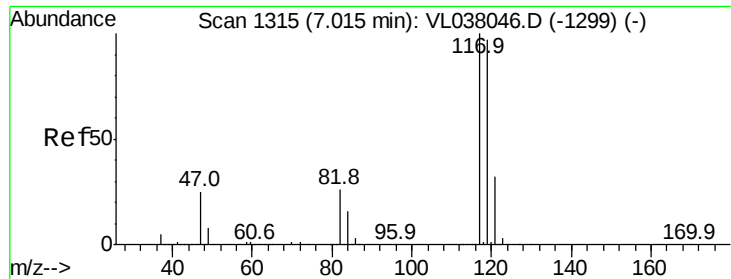
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#34
 2-Butanone
 Concen: 8.061 ppbv
 RT: 5.21 min Scan# 754
 Delta R.T. -0.03 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion: 43 Resp: 846769
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.8 28.2



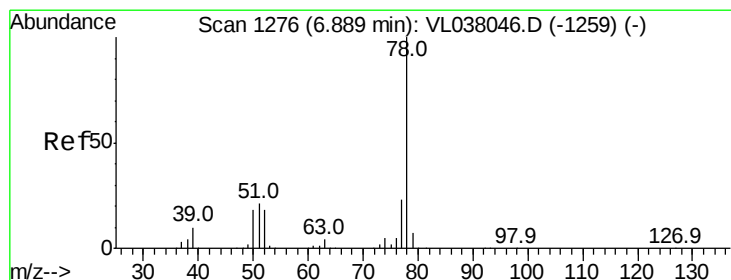
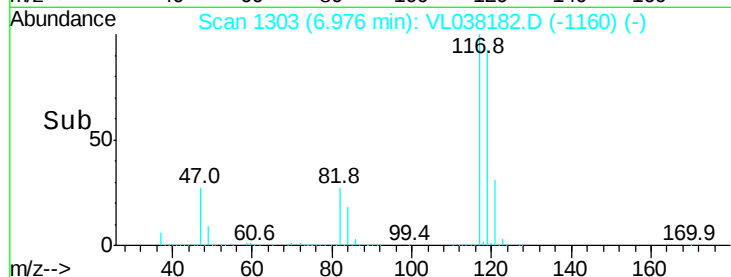
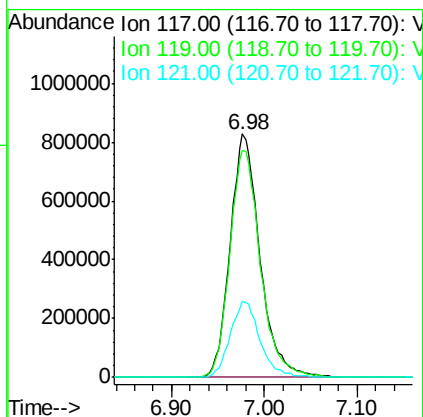
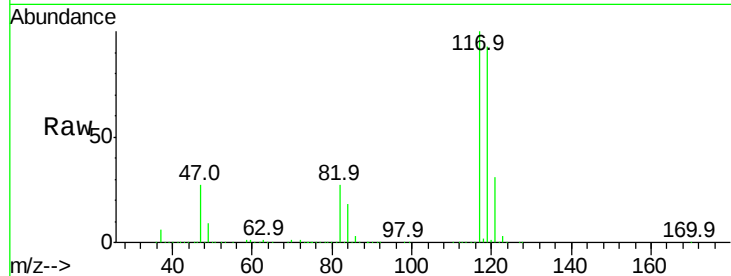


#35
Carbon Tetrachloride
Concen: 10.061 ppbv
RT: 6.98
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 15 Dec 2021 10:16

Tot Ion:1
Ion Rati
117 100
119 93.
121 31.

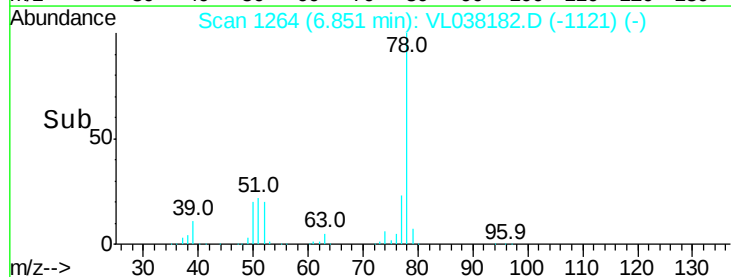
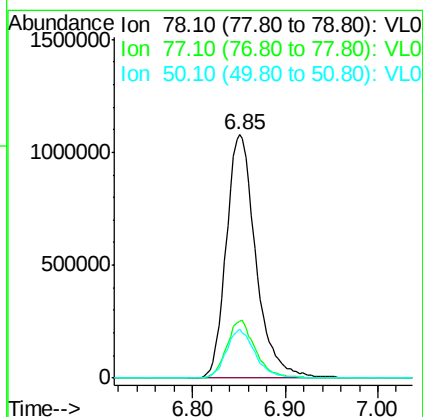
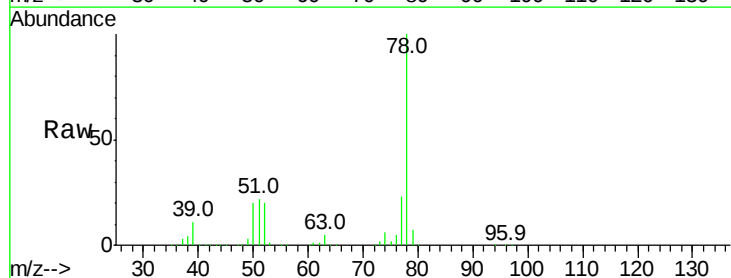
Manual Integrations
APPROVED

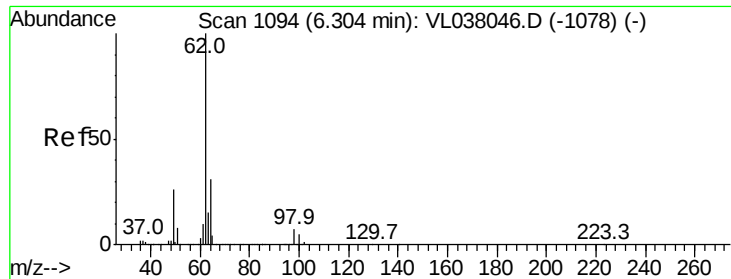
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#36
Benzene
Concen: 9.177 ppbv
RT: 6.85 min Scan# 1264
Delta R.T. -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion: 78 Resp: 2384802
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.4
50 20.2 14.7 22.1



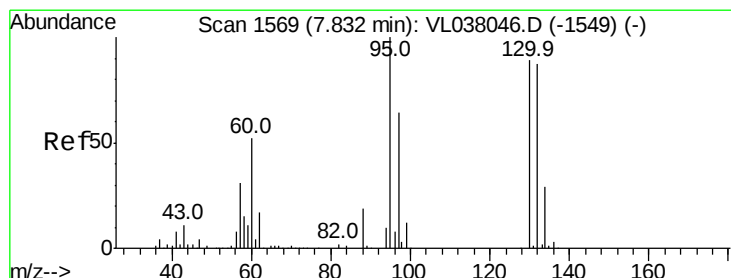
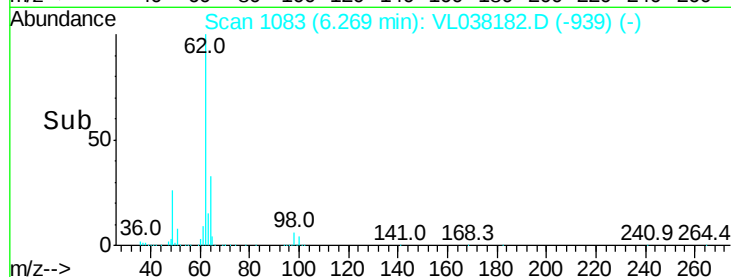
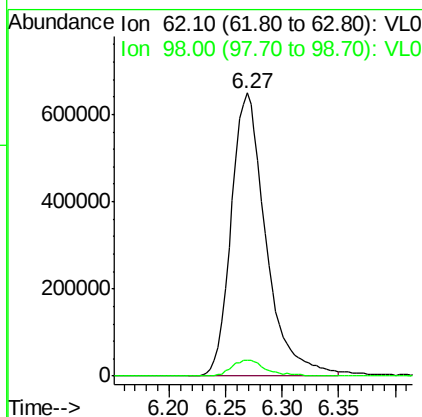
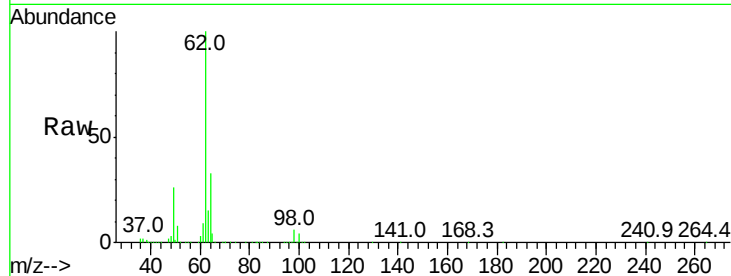


#37
 1,2-Dichloroethane
 Concen: 11.062 ppbv
 RT: 6.27
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 15 Dec 2021 10:16

Tot Ion:
 Ion Ratio
 62 100
 98 5.

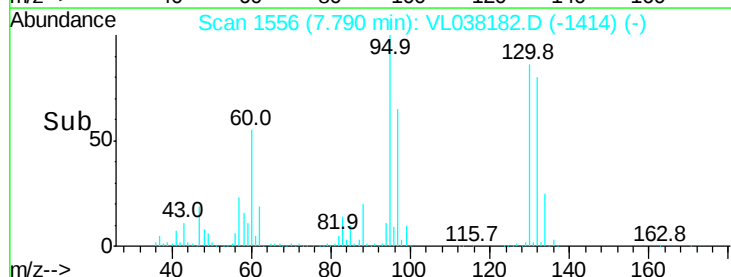
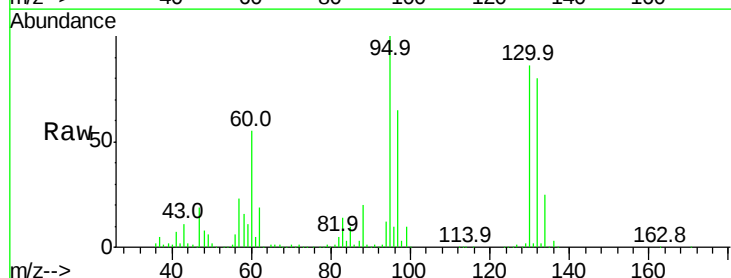
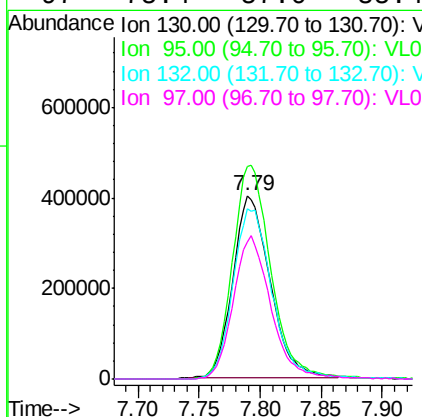
Manual Integrations
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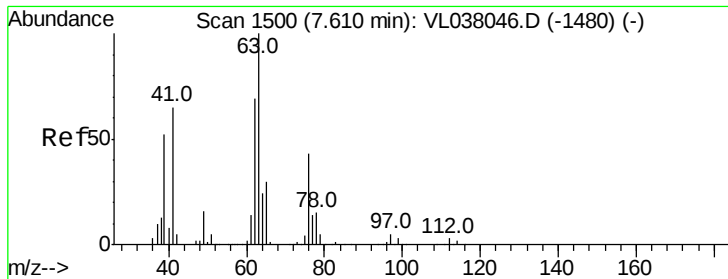
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#38
 Trichloroethene
 Concen: 8.715 ppbv
 RT: 7.79 min Scan# 1556
 Delta R.T. -0.04 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion:130 Resp: 854246
 Ion Ratio Lower Upper
 130 100
 95 116.6 89.4 134.2
 132 93.2 78.2 117.2
 97 75.4 57.0 85.4



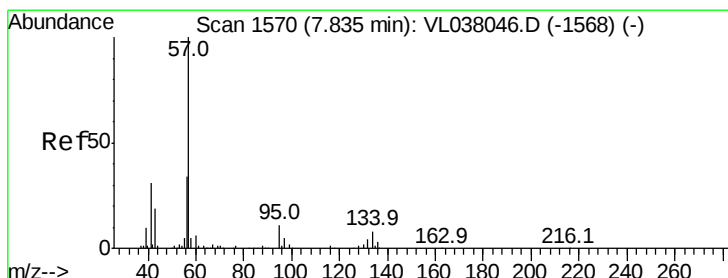
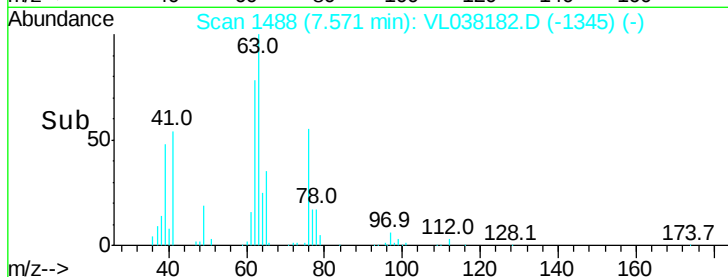
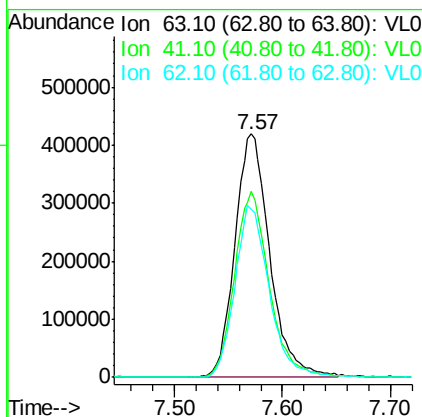
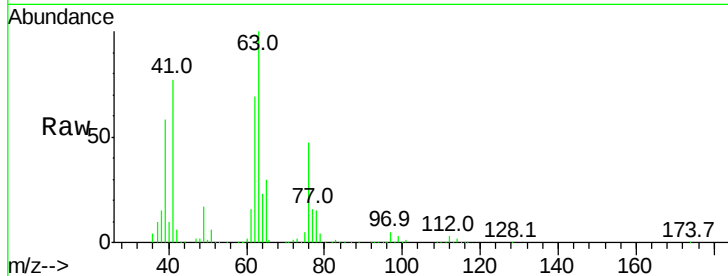


#39
 1,2-Dichloropropane
 Concen: 9.450 ppbv
 RT: 7.57
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 15 Dec 2021 10:16

Tot Ion:
 Ion Ratio
 63 100
 41 76.
 62 68.

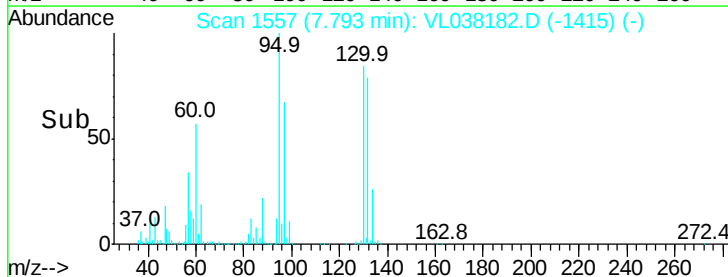
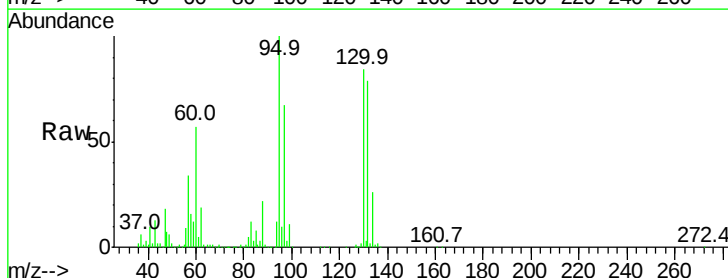
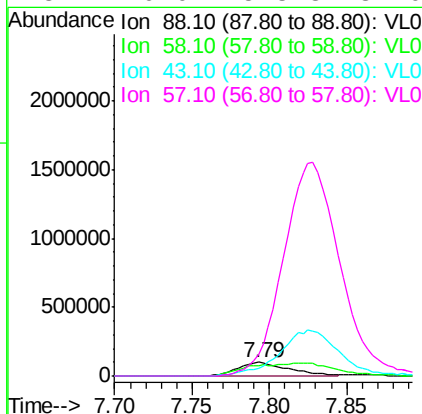
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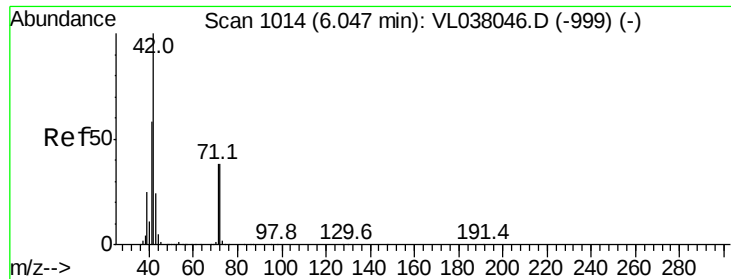
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#40
 1,4-Dioxane
 Concen: 8.850 ppbv
 RT: 7.79 min Scan# 1557
 Delta R.T. -0.04 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion: 88 Resp: 229833
 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#



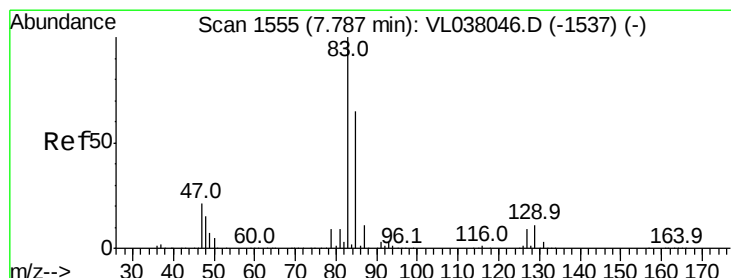
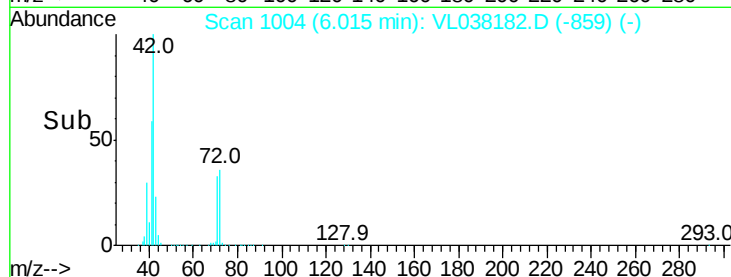
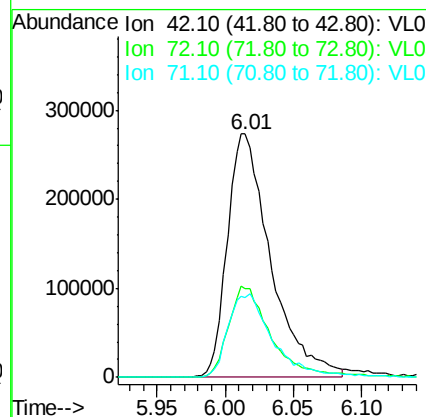
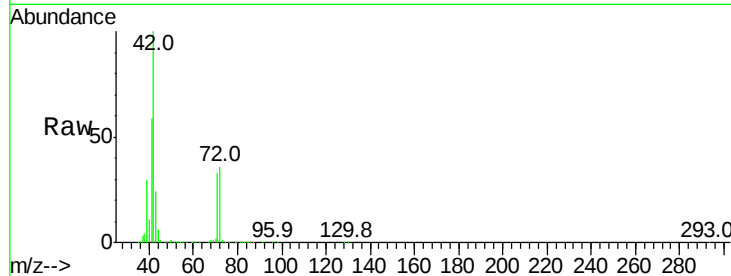


#41
Tetrahydrofuran
Concen: 9.225 ppbv
RT: 6.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDC010EC
Acq: 15 Dec 2021 10:10

Tot Ion:
Ion Ratio
42 100
72 37.
71 36.

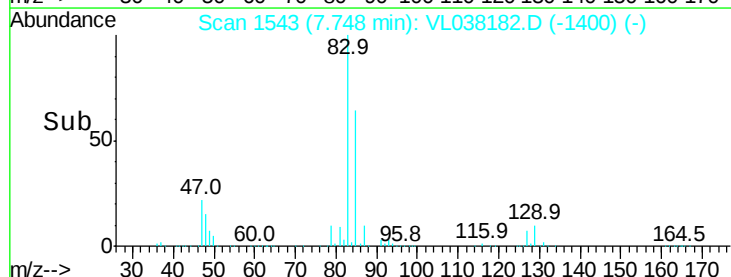
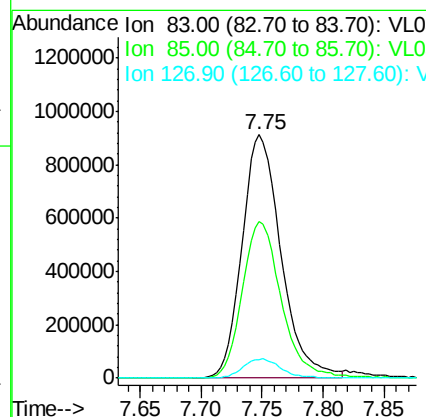
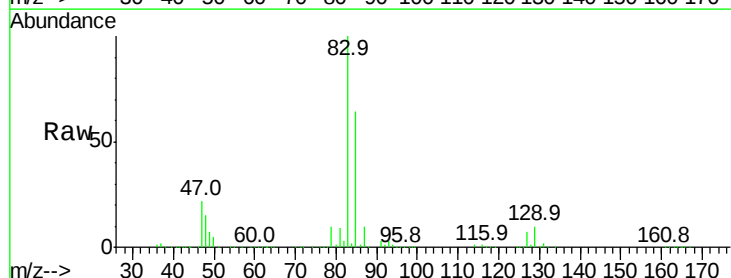
Manual Integrations
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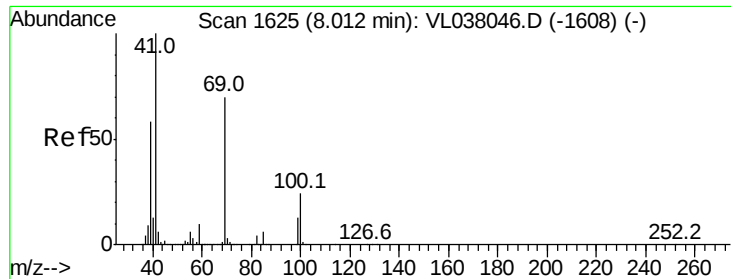
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#42
Bromodichloromethane
Concen: 10.599 ppbv
RT: 7.75 min Scan# 1543
Delta R.T. -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion: 83 Resp: 2022148
Ion Ratio Lower Upper
83 100
85 64.2 51.9 77.9
127 7.4 6.8 10.2





#43

Methyl Methacrylate

Concen: 10.064 ppbv

RT: 7.97

Instrument: MSVOA_1

Delta R.T.

Client Sample Id:

Lab File: VSTDCCC010EC

Acq: 15 Dec 2021 10:10

Tot Ion:

Ion Ratio

69 100

41 153.

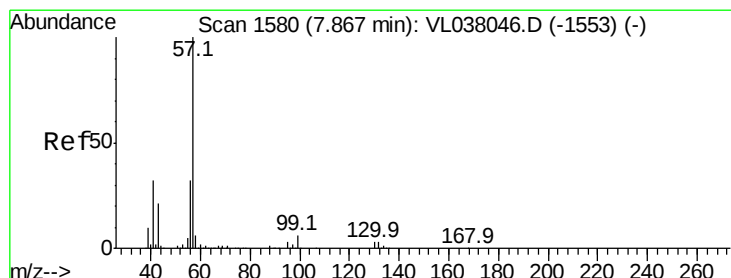
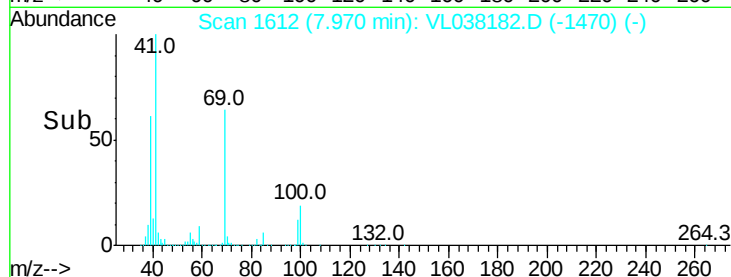
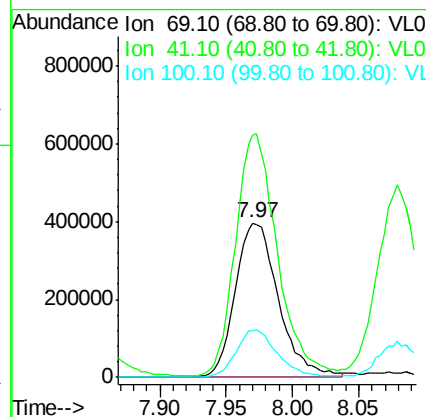
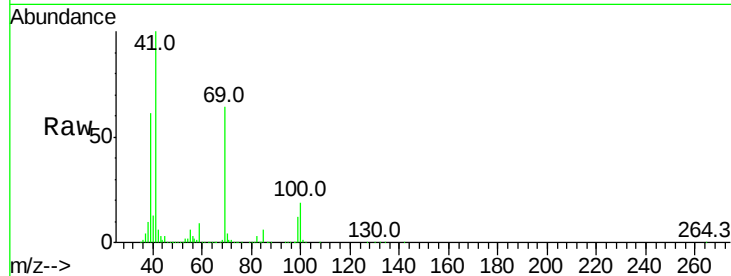
100 29.

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: 9.145 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.04 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

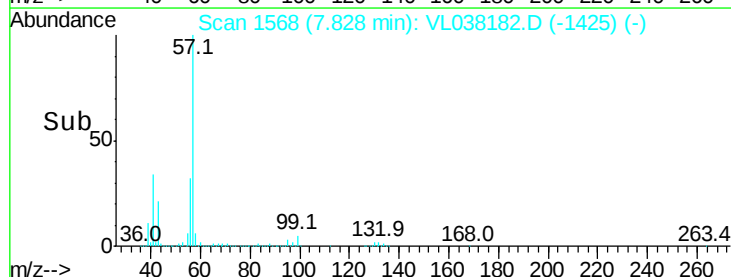
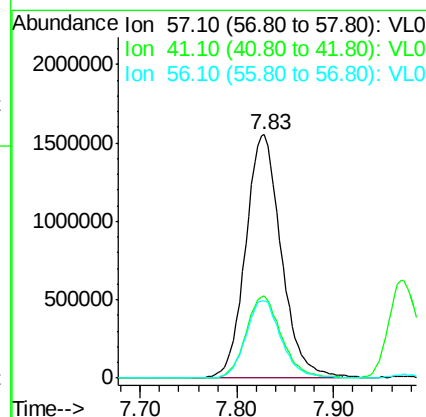
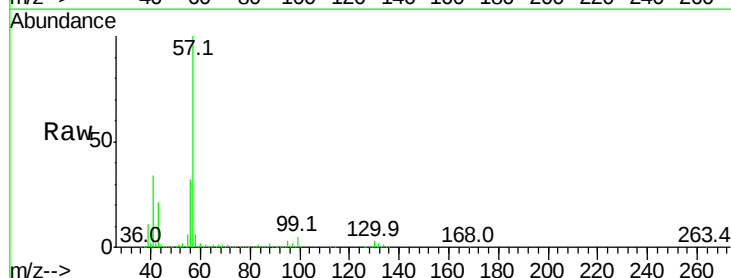
Tgt Ion: 57 Resp: 3975739

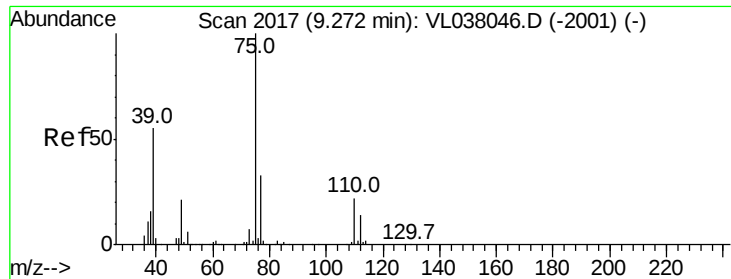
Ion Ratio Lower Upper

57 100

41 33.6 25.8 38.6

56 31.6 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 12.282 ppbv

RT: 9.23 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:

Ion Ratio

75 100

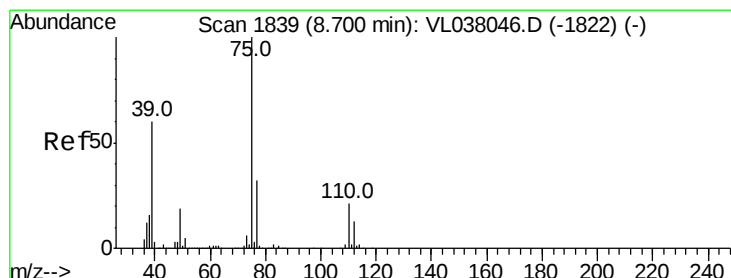
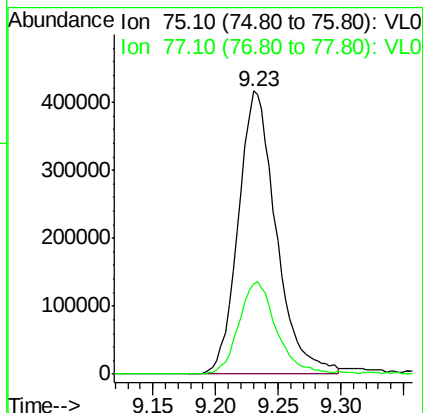
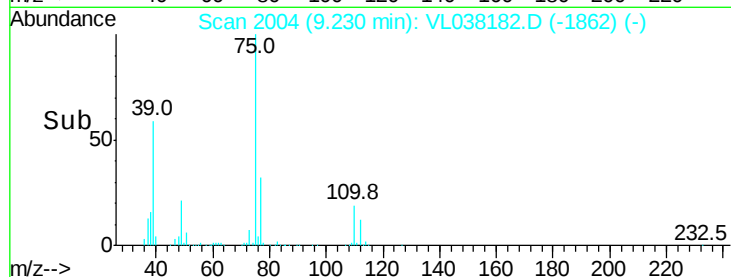
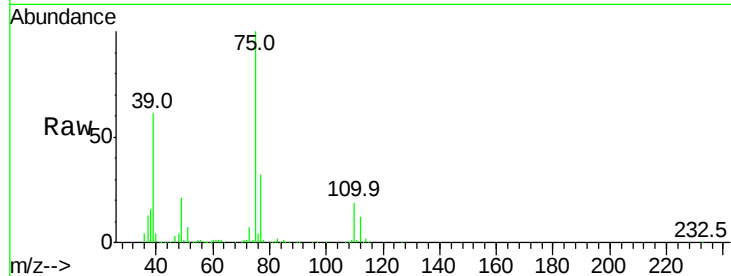
77 32.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#46

cis-1,3-Dichloropropene

Concen: 11.552 ppbv

RT: 8.66 min Scan# 1826

Delta R.T. -0.04 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

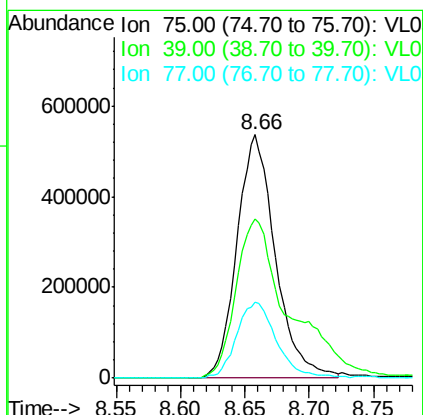
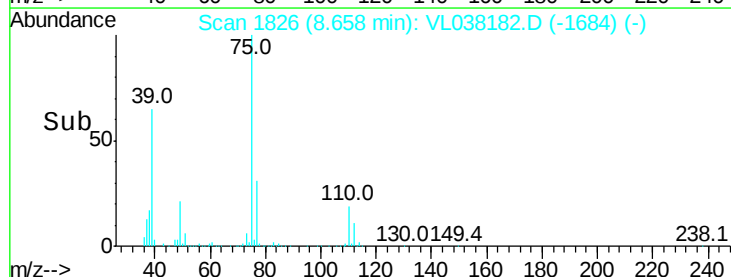
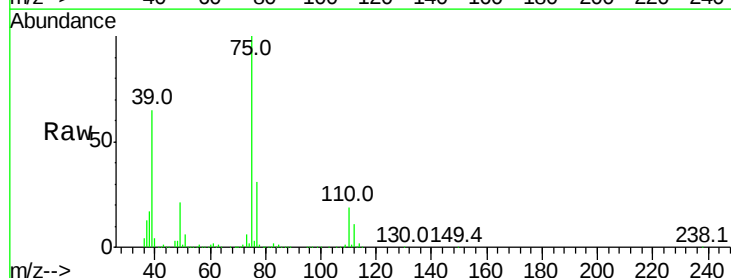
Tgt Ion: 75 Resp: 1114188

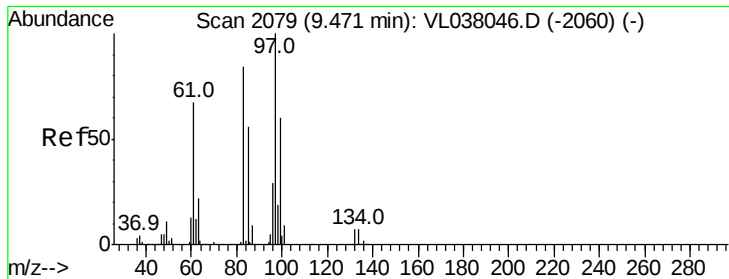
Ion Ratio Lower Upper

75 100

39 65.0 47.8 71.8

77 31.1 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 9.097 ppbv

RT: 9.43 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010EC

Acq: 15 Dec 2021 10:10

Tot Ion:

Ion Ratio

97 100

83 91.

85 58.

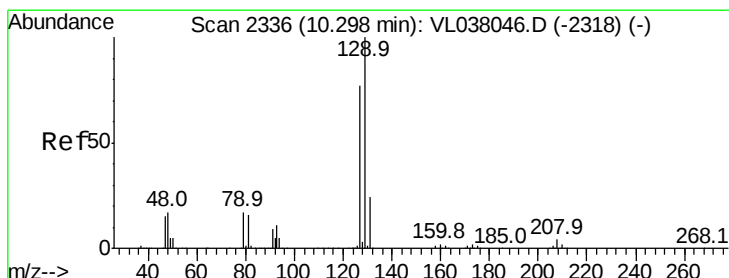
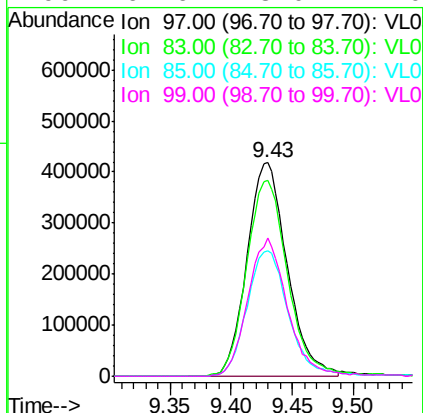
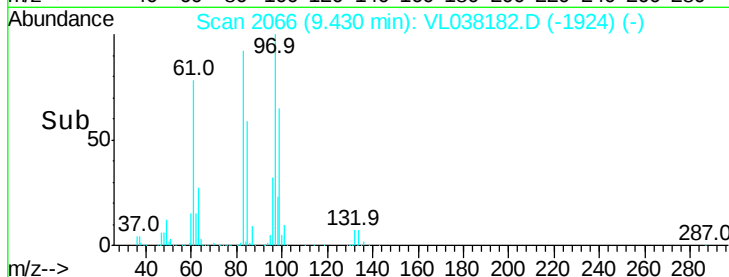
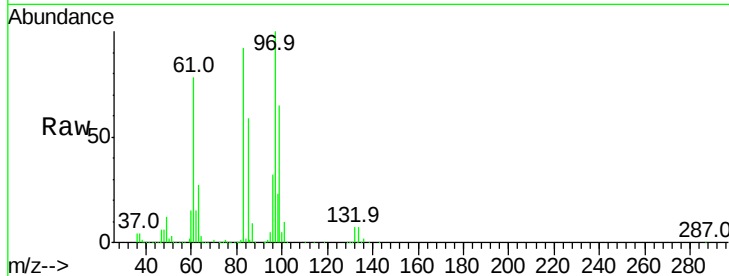
99 64.6 48.0 72.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#48

Dibromochloromethane

Concen: 10.314 ppbv

RT: 10.26 min Scan# 2323

Delta R.T. -0.04 min

Lab File: VL038182.D

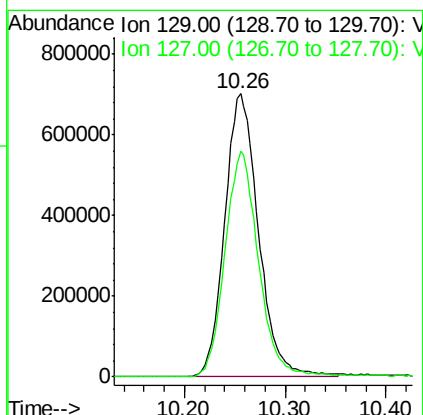
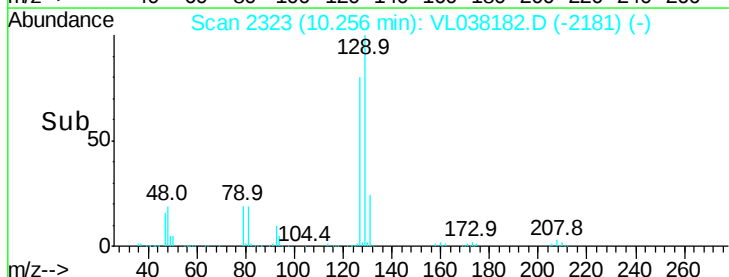
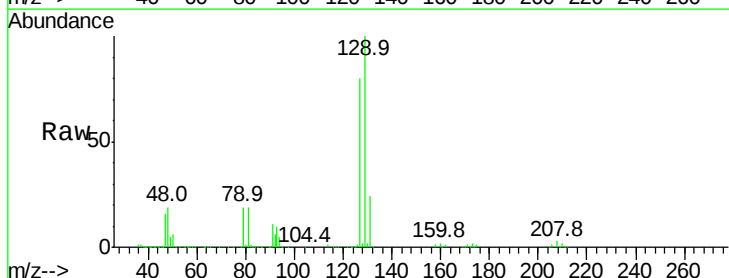
Acq: 15 Dec 2021 10:16

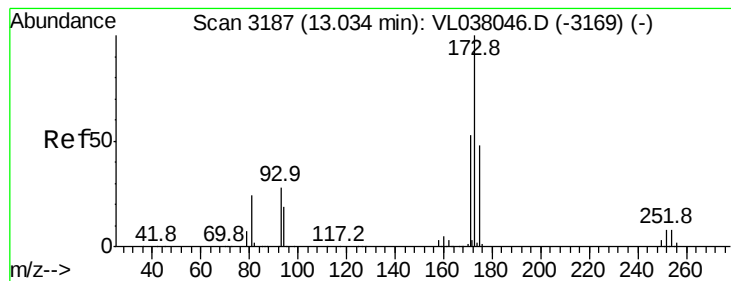
Tgt Ion:129 Resp: 1639692

Ion Ratio Lower Upper

129 100

127 79.7 39.4 118.1





#49

Bromoform

Concen: 11.105 ppbv

RT: 12.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 10:16

Tot Ion:1

Ion Ratio

173 100

175 50.

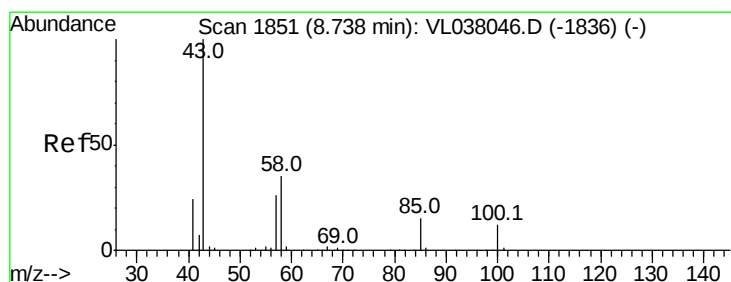
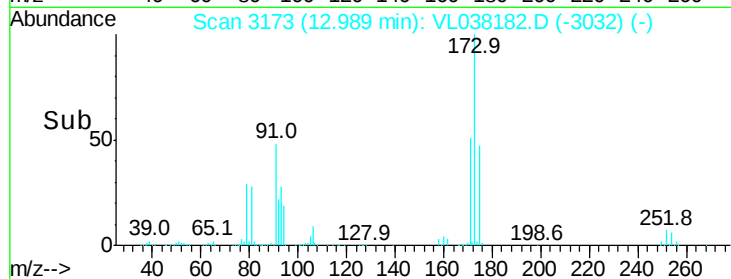
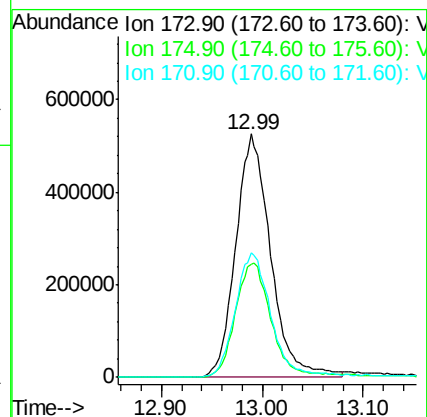
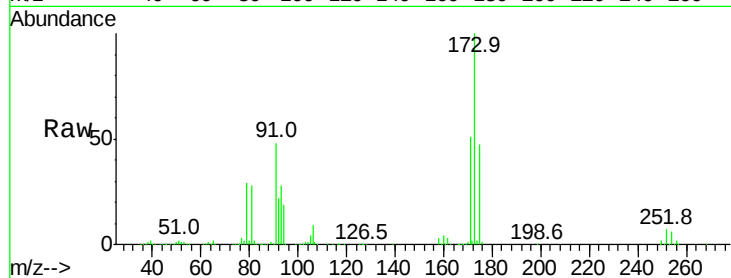
171 54.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#50

4-Methyl-2-Pentanone

Concen: 10.347 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.04 min

Lab File: VL038182.D

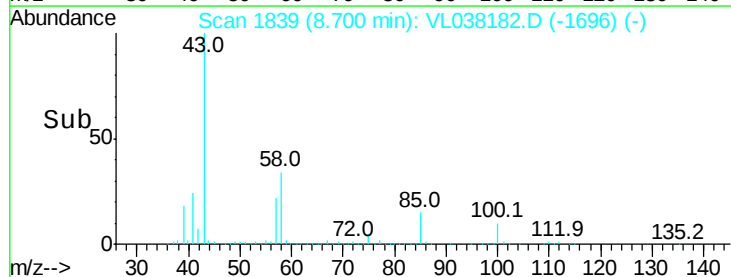
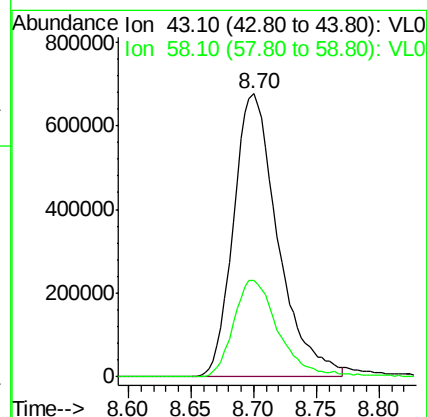
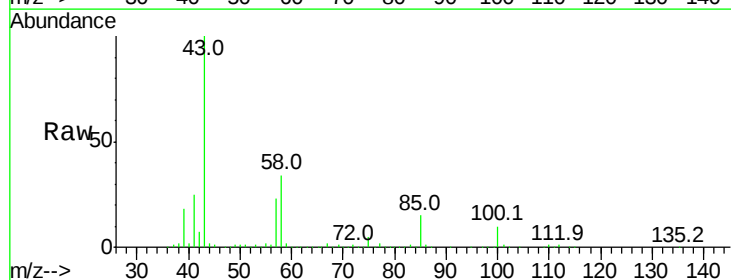
Acq: 15 Dec 2021 10:16

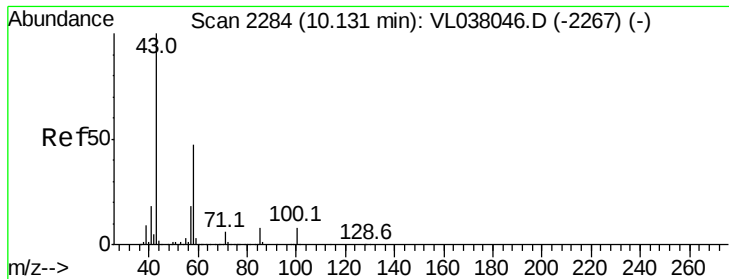
Tgt Ion: 43 Resp: 1650482

Ion Ratio Lower Upper

43 100

58 35.4 29.4 44.2



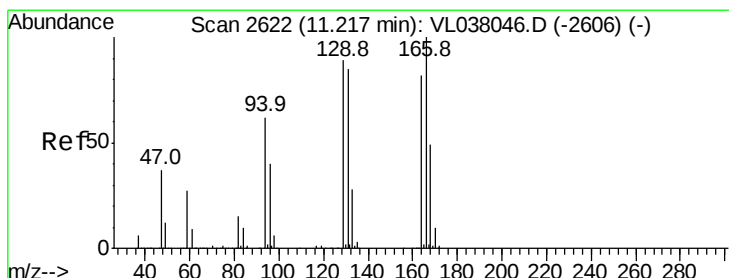
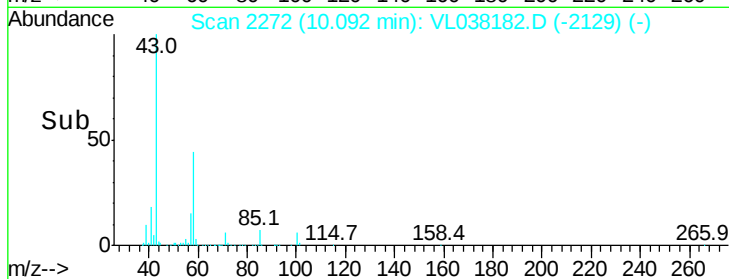
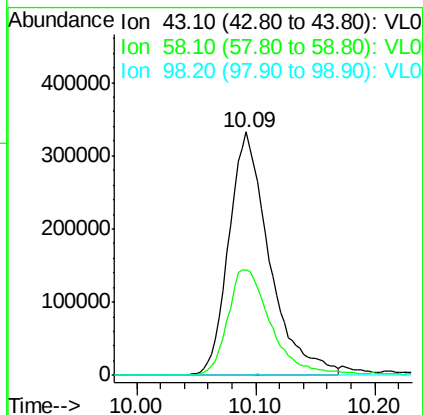
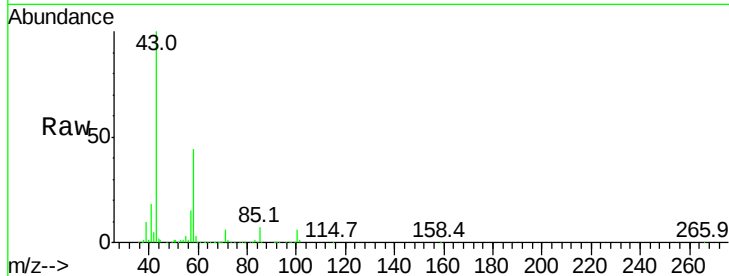


#51
2-Hexanone
Concen: 10.446 ppbv
RT: 10.09 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Dec 2021 10:16
VSTDCCC010EC

Tot Ion:
Ion Ratio
43 100
58 47.
98 0.

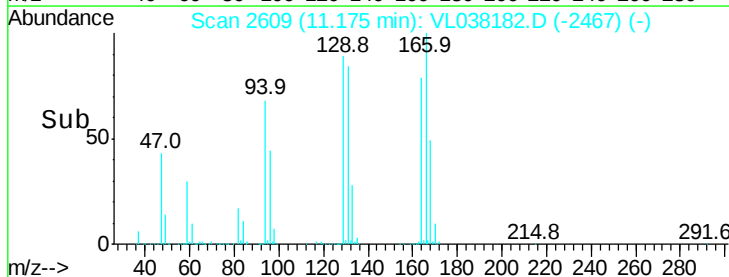
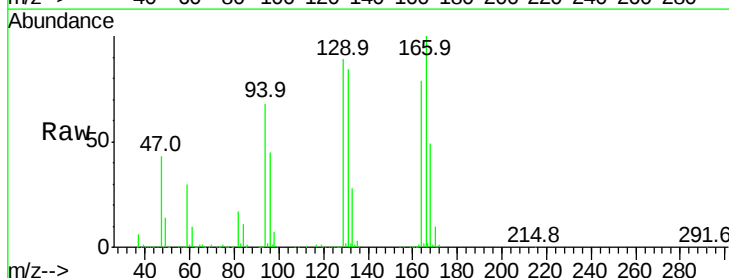
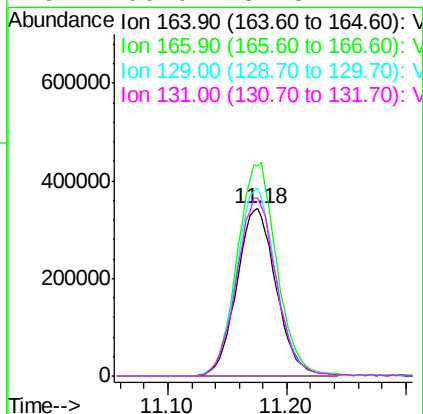
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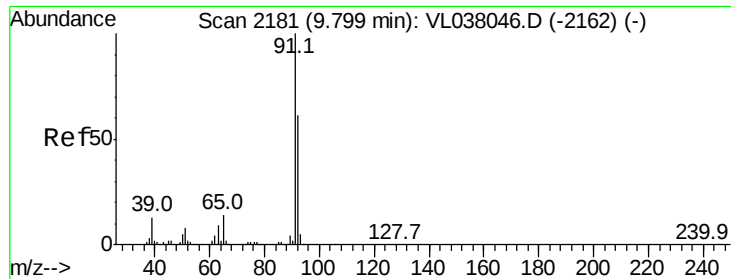
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#52
Tetrachloroethene
Concen: 8.162 ppbv
RT: 11.18 min Scan# 2609
Delta R.T.: -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion:164 Resp: 784761
Ion Ratio Lower Upper
164 100
166 125.8 97.2 145.8
129 112.2 86.9 130.3
131 106.0 82.8 124.2





#53

Toluene

Concen: 9.057 ppbv

RT: 9.76

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:

Ion Ratio

91 100

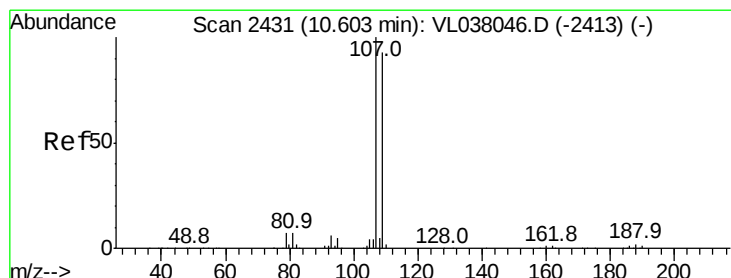
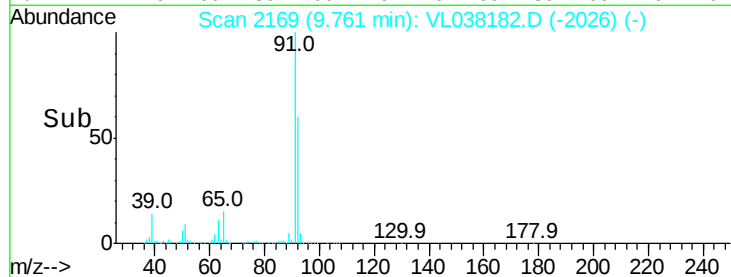
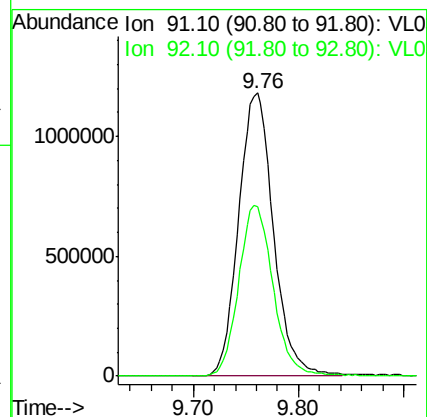
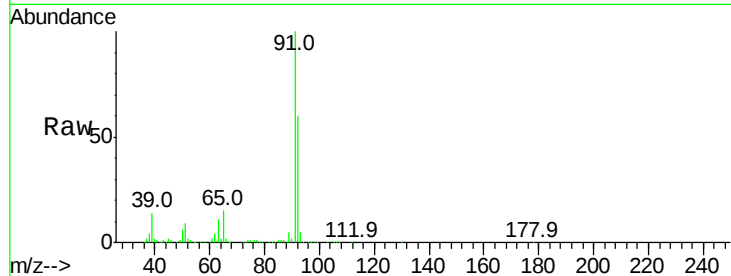
92 59.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#54

1,2-Dibromoethane

Concen: 9.711 ppbv

RT: 10.56 min Scan# 2418

Delta R.T. -0.04 min

Lab File: VL038182.D

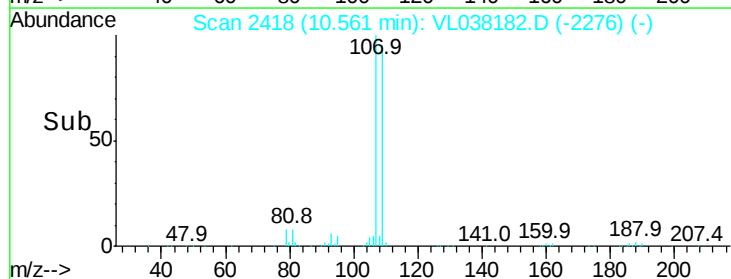
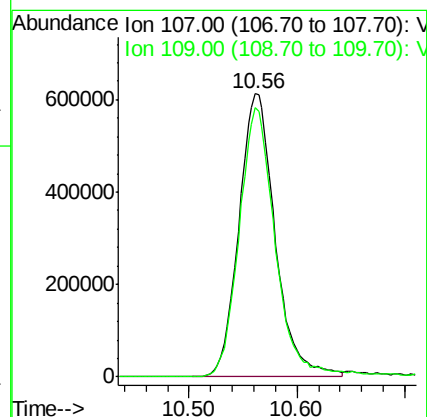
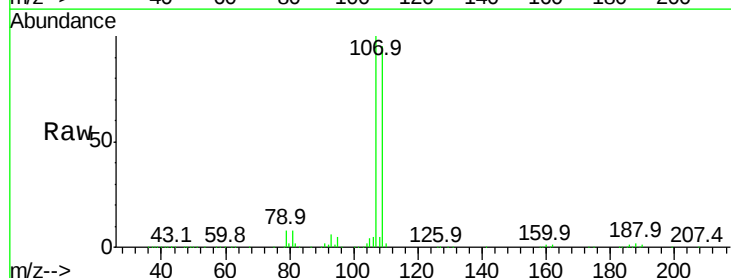
Acq: 15 Dec 2021 10:16

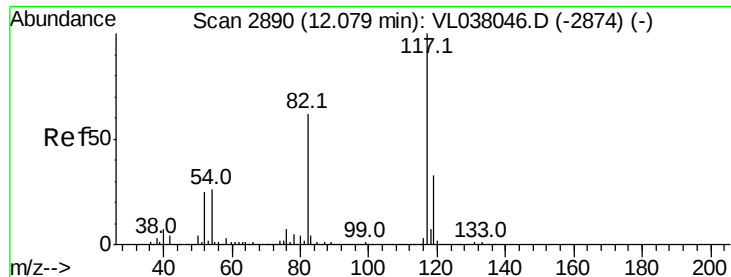
Tgt Ion:107 Resp: 1431971

Ion Ratio Lower Upper

107 100

109 95.0 74.6 111.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 10:10

Tot Ion:1

Ion Rati

117 100

82 71.

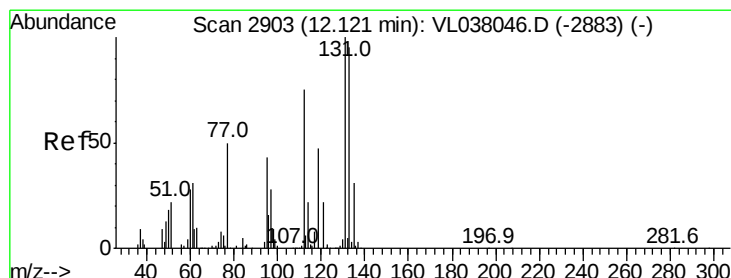
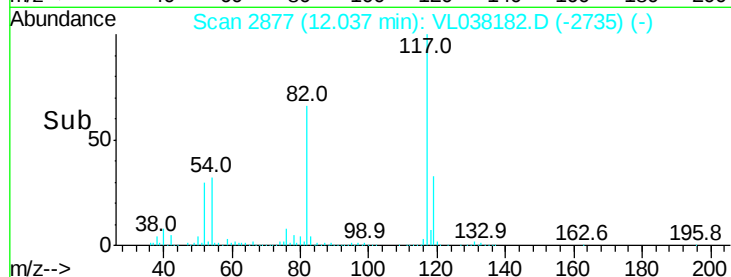
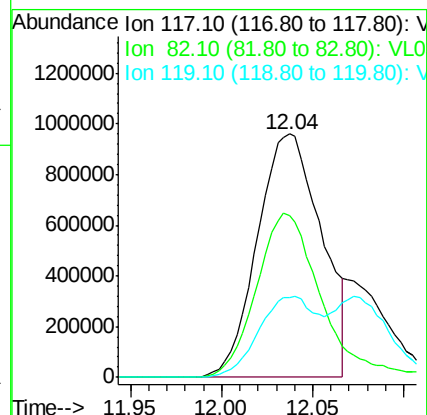
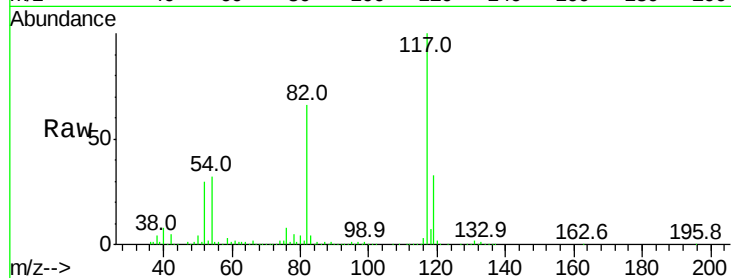
119 30.

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: 9.793 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.05 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

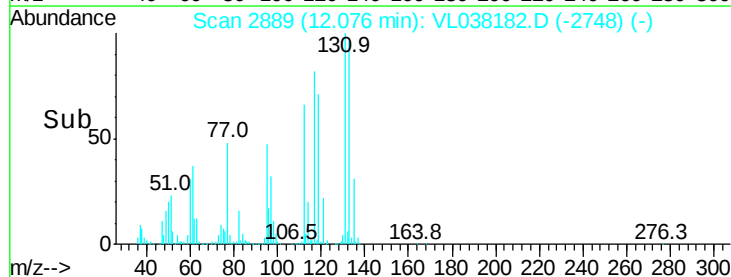
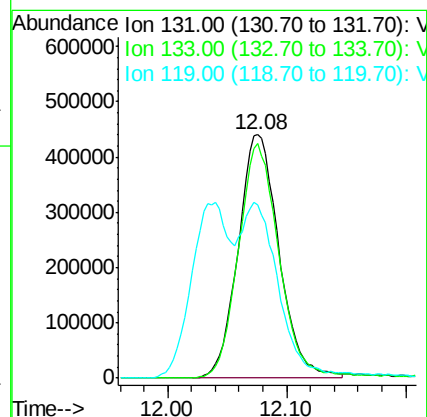
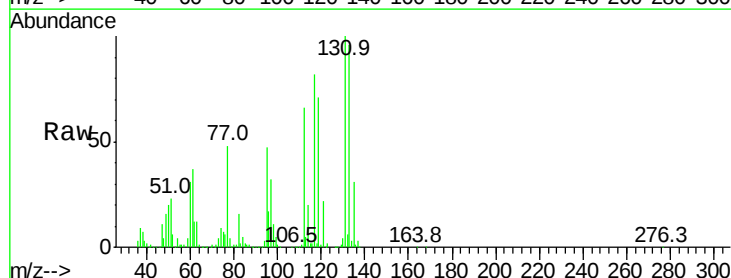
Tgt Ion:131 Resp: 1043520

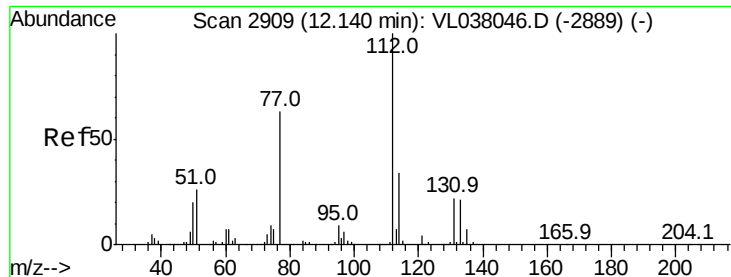
Ion Ratio Lower Upper

131 100

133 98.0 78.8 118.2

119 74.3 56.3 84.5



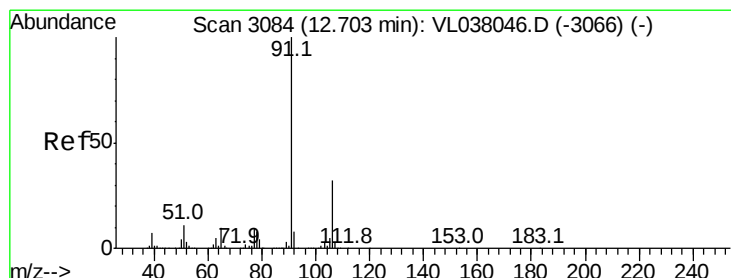
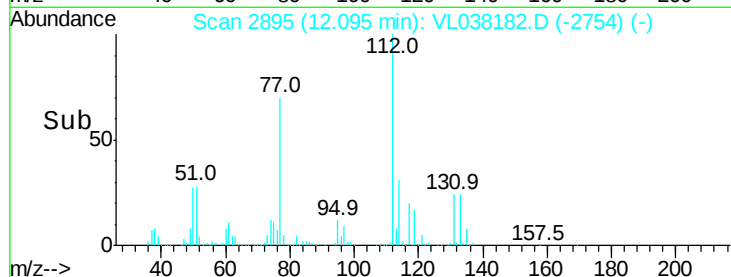
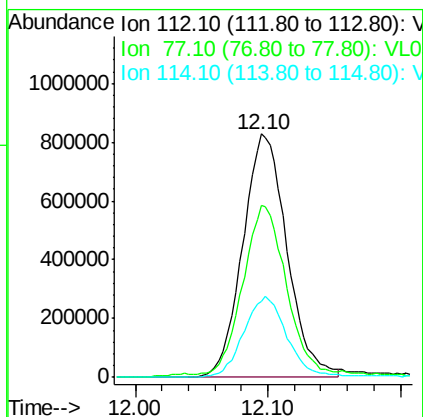
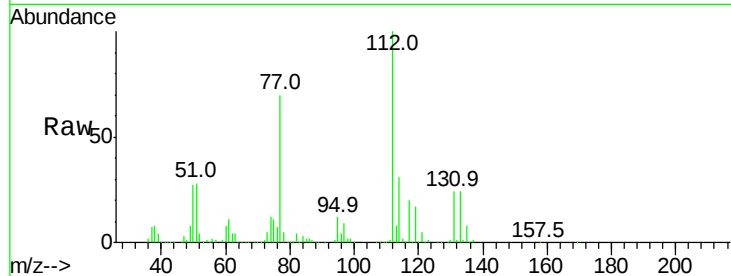


#57
Chlorobenzene
Concen: 9.105 ppbv
RT: 12.10 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 15 Dec 2021 10:16

Tot Ion: 1
Ion Ratio
112 100
77 69.
114 31.

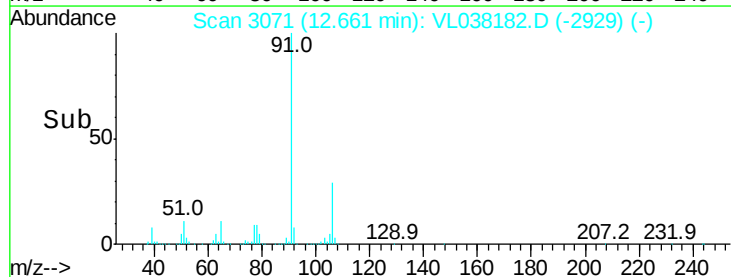
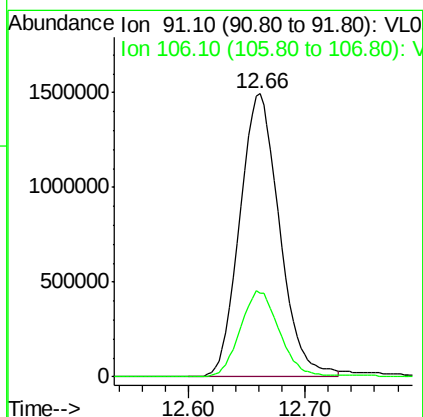
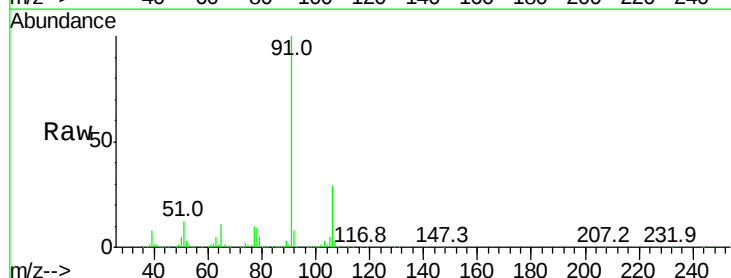
Manual Integrations
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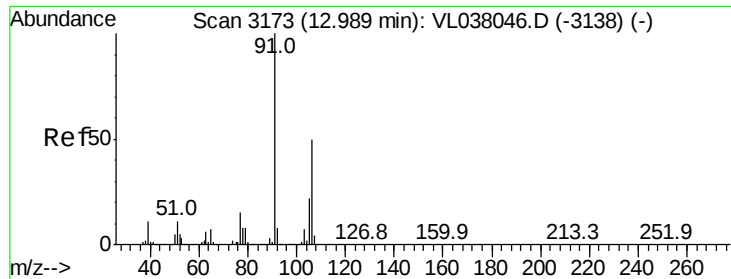
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#58
Ethyl Benzene
Concen: 9.200 ppbv
RT: 12.66 min Scan# 3071
Delta R.T. -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion: 91 Resp: 3569074
Ion Ratio Lower Upper
91 100
106 29.4 25.8 38.6



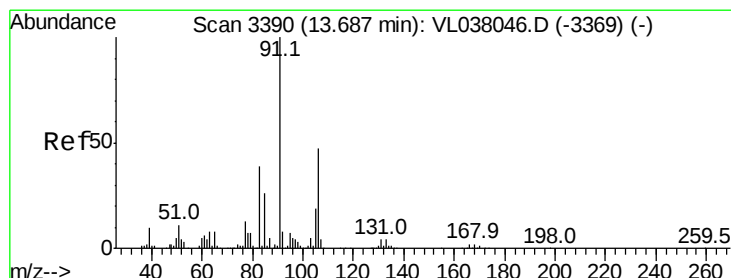
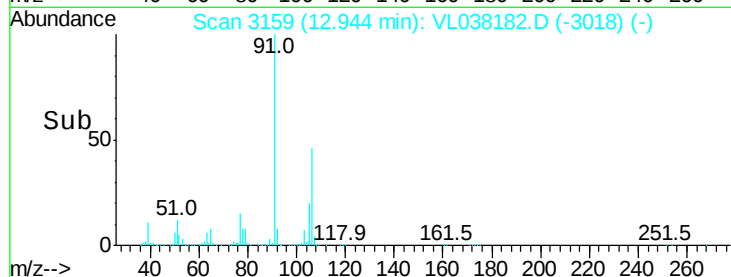
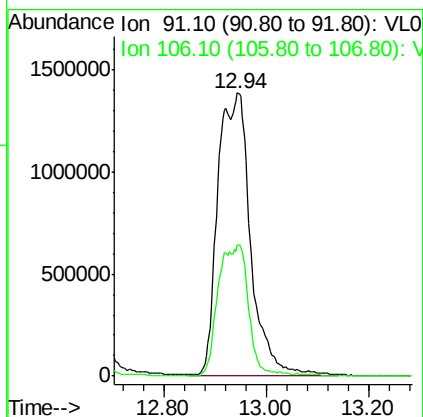
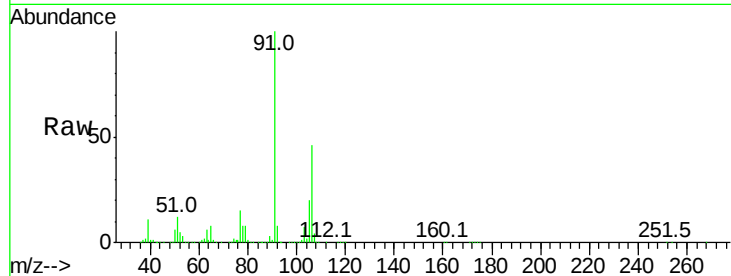


#59
m/p-Xylene
Concen: 18.951 ppbv m
RT: 12.94
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 15 Dec 2021 10:16
VSTDCCC010EC

Tot Ion:
Ion Ratio
91 100
106 42.

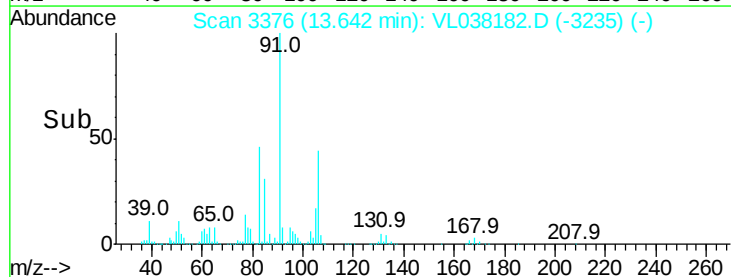
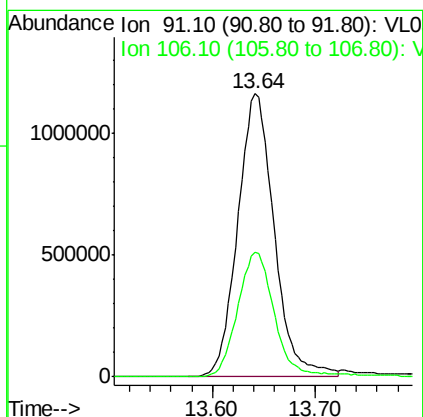
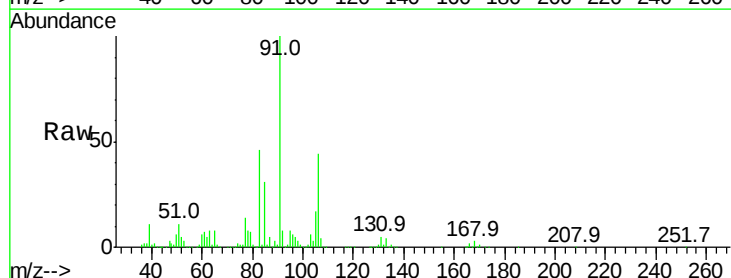
Manual Integrations
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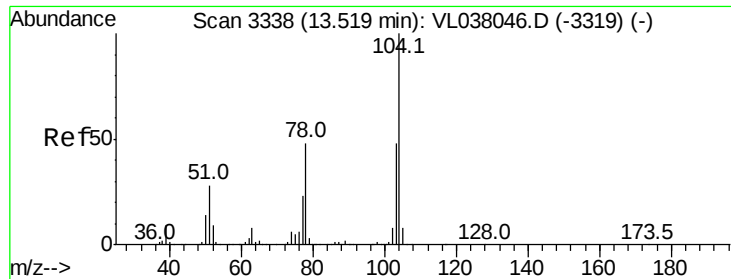
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#60
o-Xylene
Concen: 9.415 ppbv
RT: 13.64 min Scan# 3376
Delta R.T. -0.05 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion: 91 Resp: 2852175
Ion Ratio Lower Upper
91 100
106 45.3 24.2 72.6





#61

Stvrene

Concen: 9.408 ppbv

RT: 13.48

Delta R.T.

Lab File:

Acq: 15 Dec 2021 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:1

Ion Ratio

104 100

78 55.

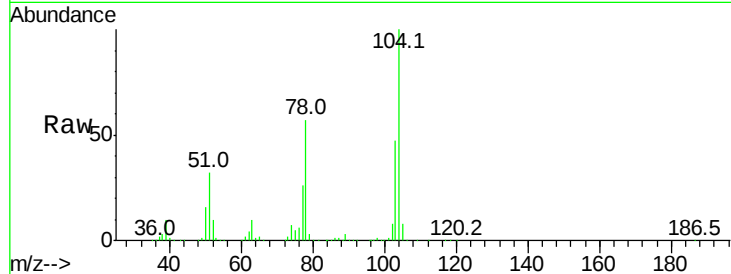
103 47.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

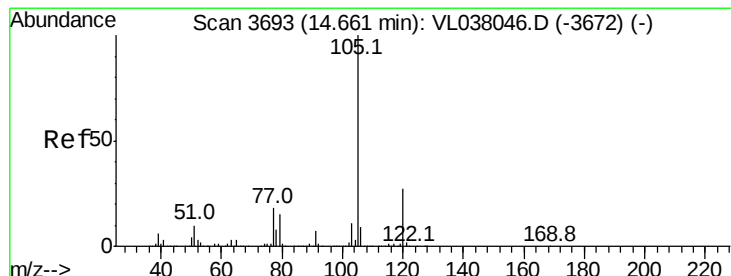
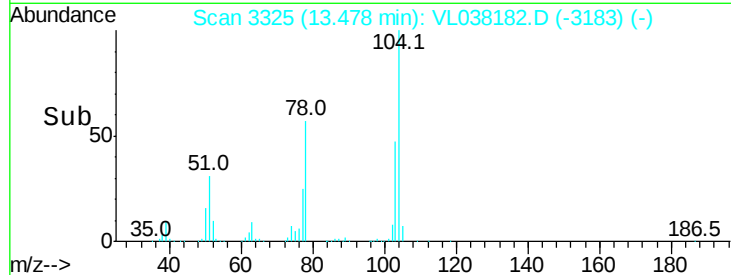
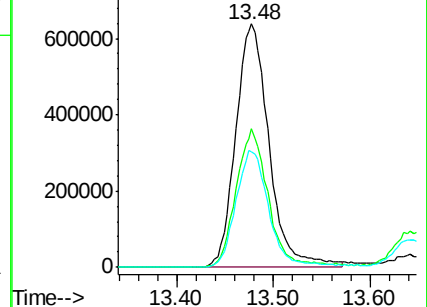
Supervised By :Semsettin Yesilyurt 12/16/2021



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.932 ppbv

RT: 14.62 min Scan# 3680

Delta R.T. -0.04 min

Lab File: VL038182.D

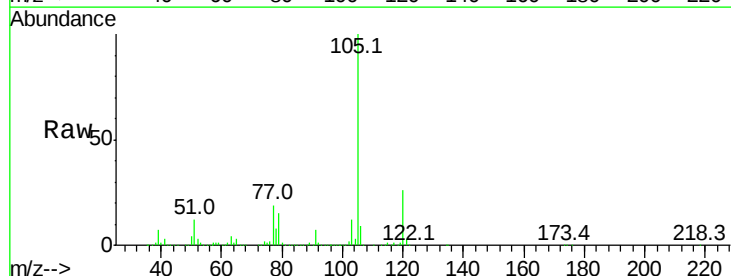
Acq: 15 Dec 2021 10:16

Tgt Ion:105 Resp: 3841204

Ion Ratio Lower Upper

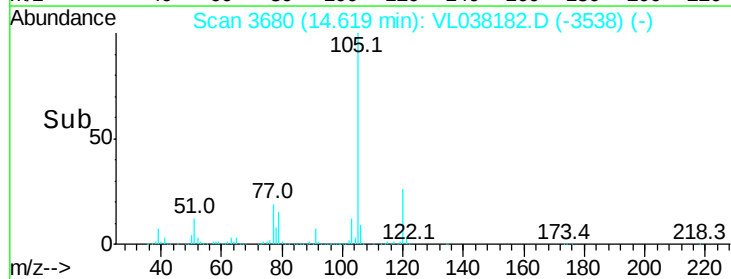
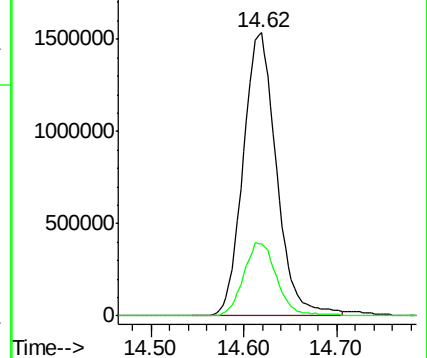
105 100

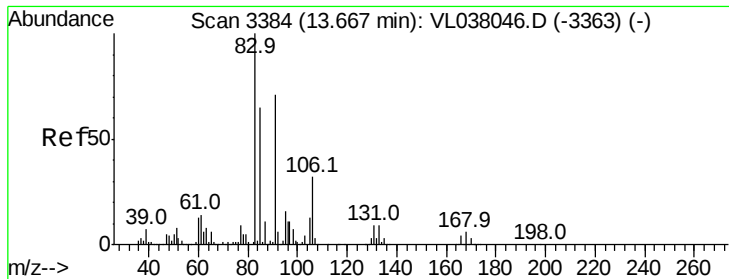
120 26.1 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.417 ppbv

RT: 13.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:

Ion Ratio

83 100

131 8.

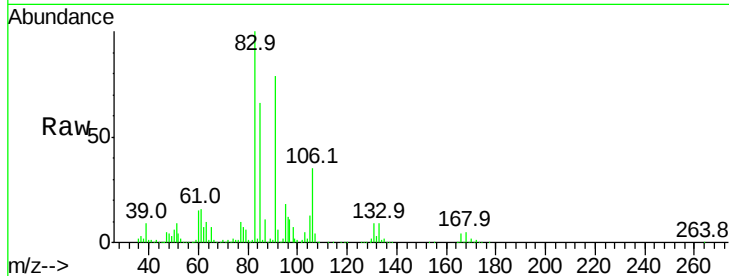
85 66.

Manual Integrations

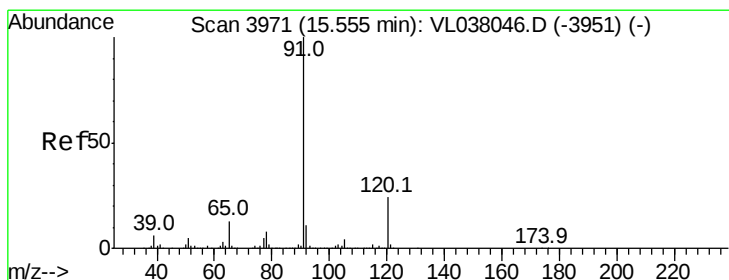
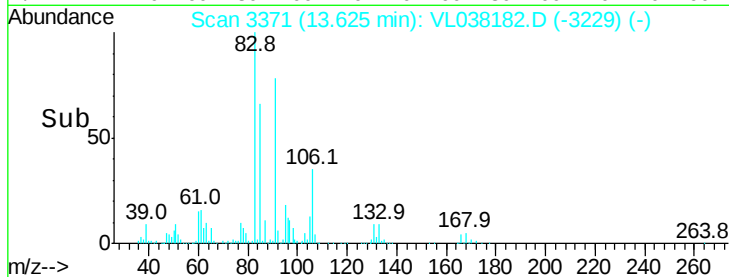
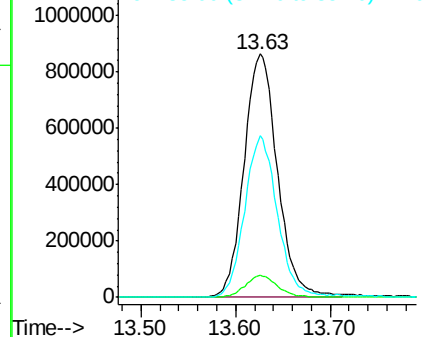
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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



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: 8.969 ppbv

RT: 15.51 min Scan# 3958

Delta R.T. -0.04 min

Lab File: VL038182.D

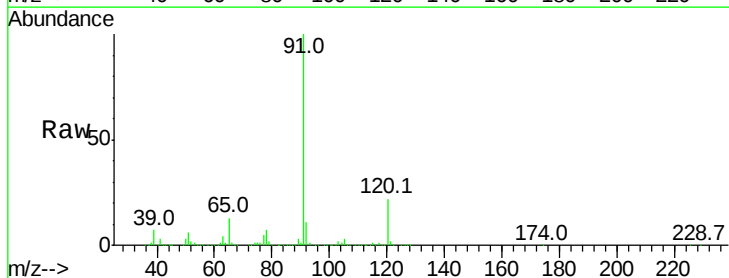
Acq: 15 Dec 2021 10:16

Tgt Ion:120 Resp: 982567

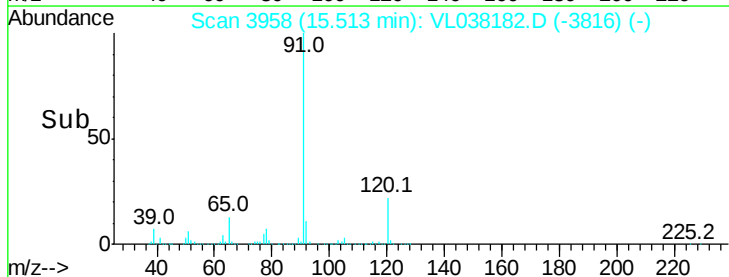
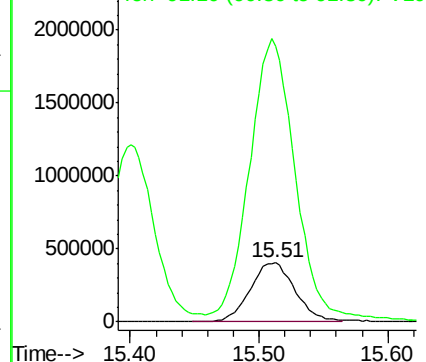
Ion Ratio Lower Upper

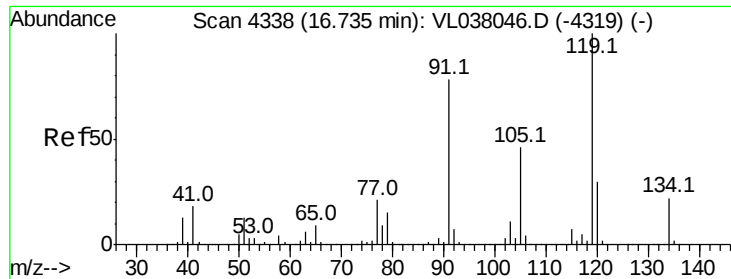
120 100

91 495.8 371.7 557.5



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



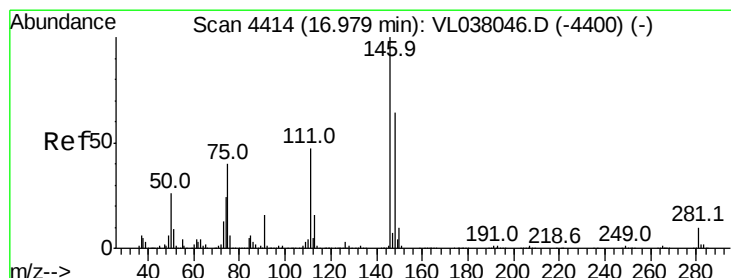
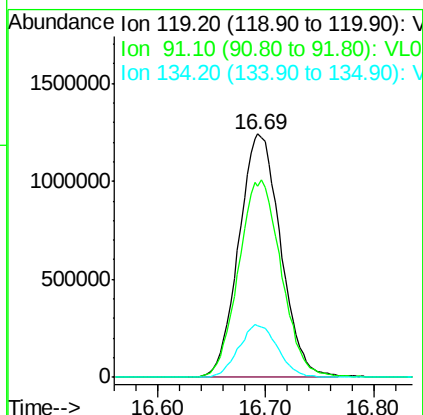
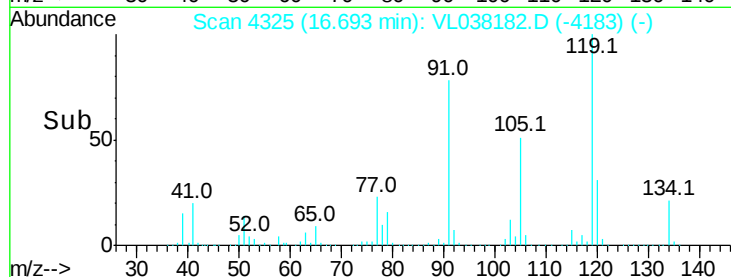
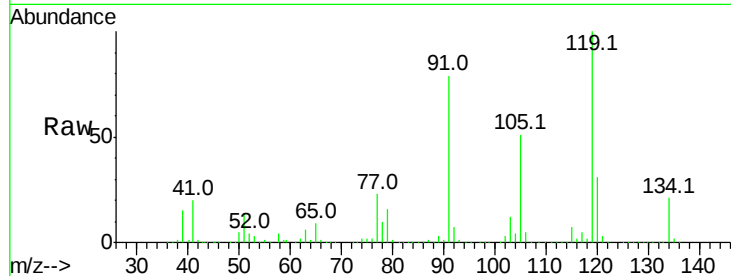


#65
tert-Butylbenzene
Concen: 8.824 ppbv
RT: 16.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 15 Dec 2021 10:16

Tot Ion: 1
Ion Ratio
119 100
91 82.
134 20.

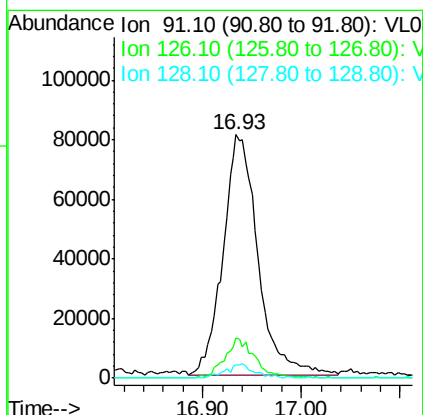
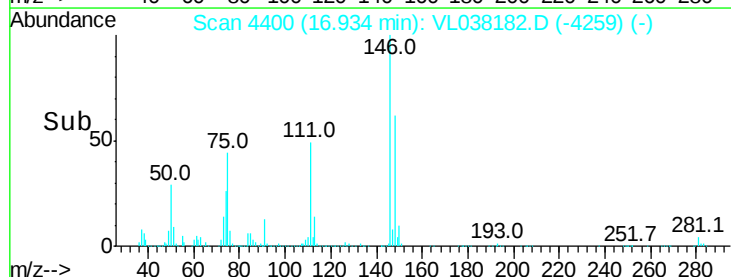
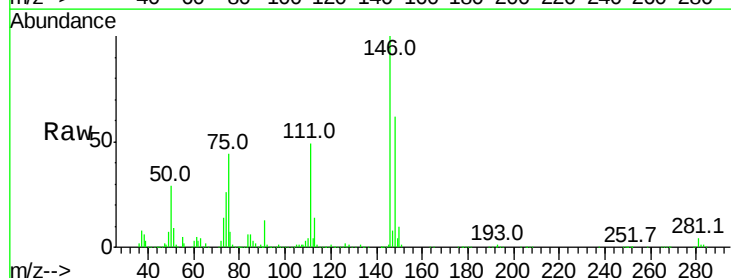
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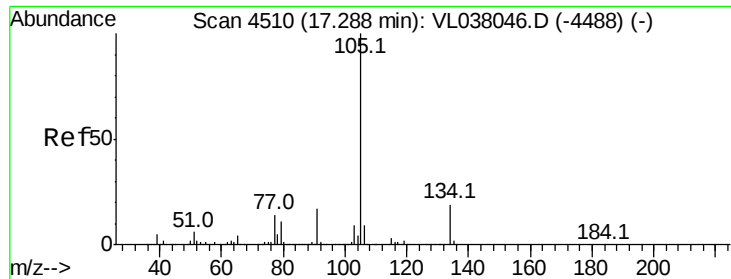
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#66
Benzyl Chloride
Concen: 10.293 ppbv
RT: 16.93 min Scan# 4400
Delta R.T.: -0.05 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion: 91 Resp: 197632
Ion Ratio Lower Upper
91 100
126 14.9 15.5 23.3#
128 5.2 5.6 8.4#





#67

sec-Butylbenzene

Concen: 8.971 ppbv

RT: 17.24

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:16

Tot Ion:1

Ion Ratio

105 100

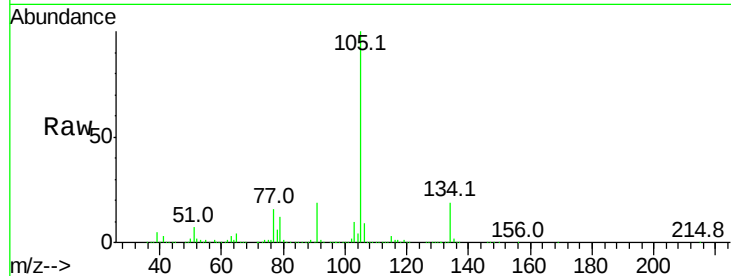
134 18.

Manual Integrations

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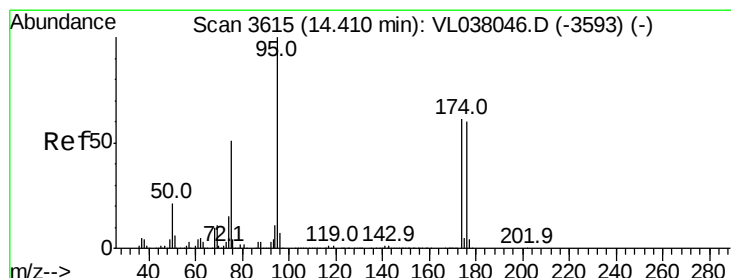
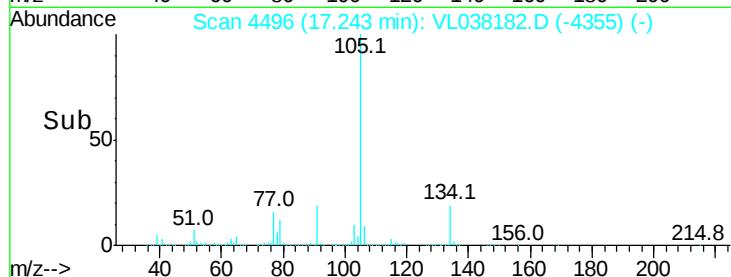
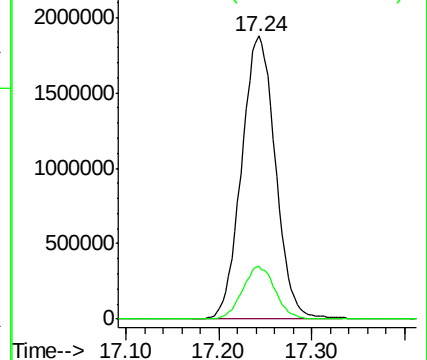
Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



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: 11.212 ppbv

RT: 14.37 min Scan# 3601

Delta R.T. -0.05 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

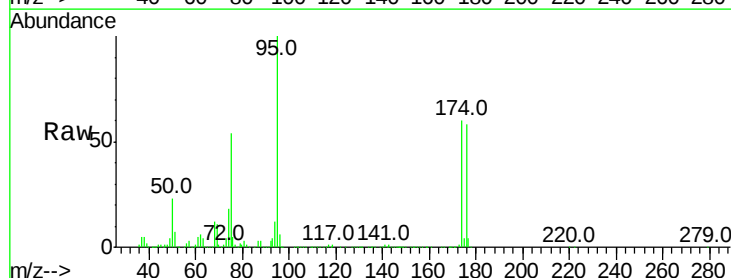
Tgt Ion: 95 Resp: 1898319

Ion Ratio Lower Upper

95 100

174 62.4 53.1 79.7

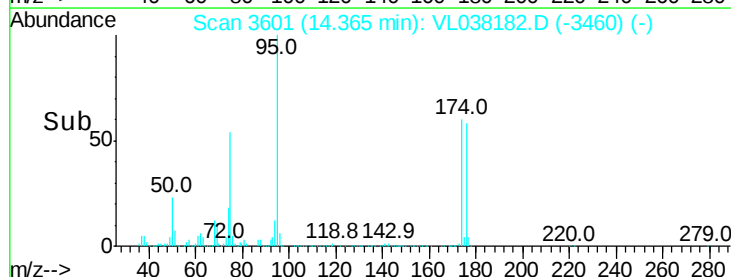
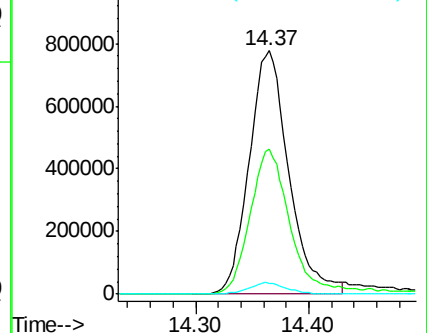
175 4.6 4.0 6.0

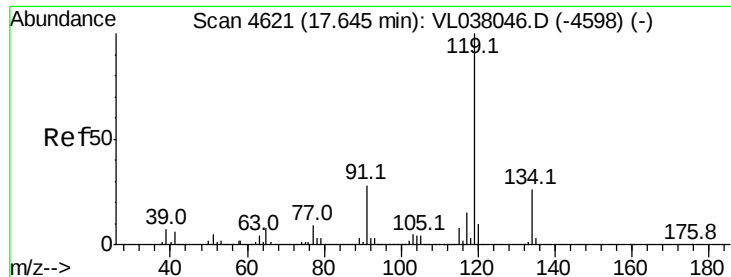


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



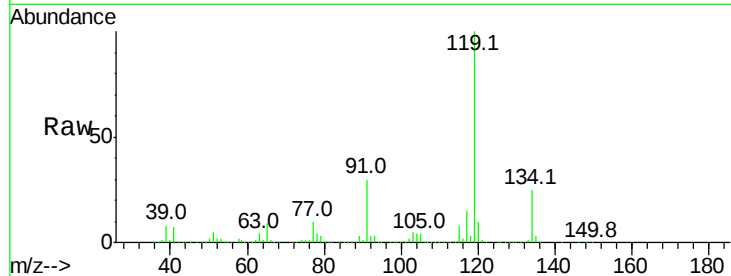


#69
 p-Isopropyltoluene
 Concen: 9.260 ppbv
 RT: 17.60 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 15 Dec 2021 10:16

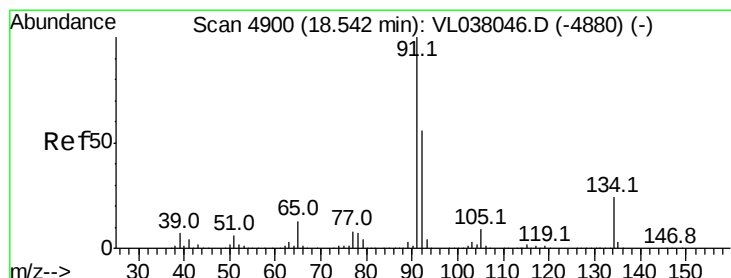
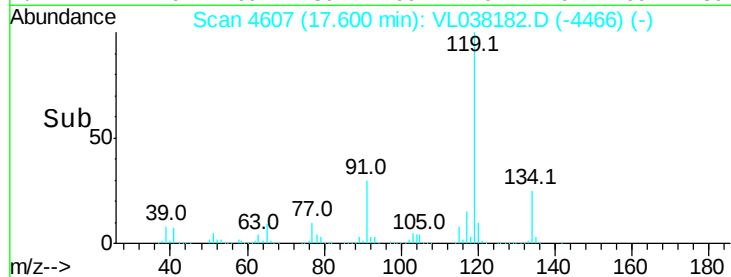
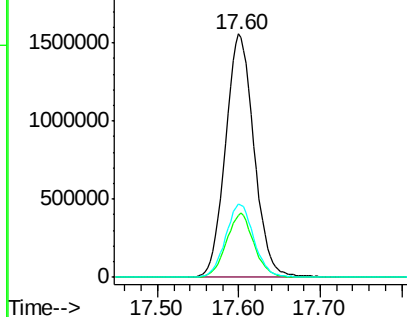
Tot Ion: 1
 Ion Ratio
 119 100
 134 25.
 91 29.

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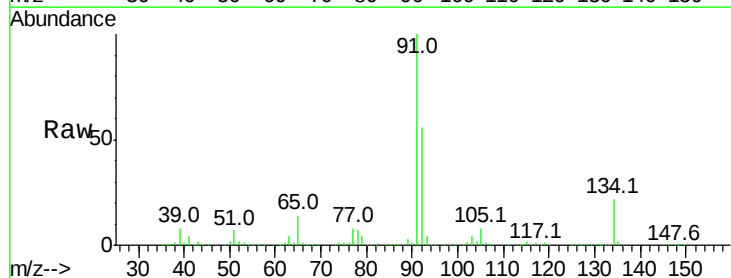


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

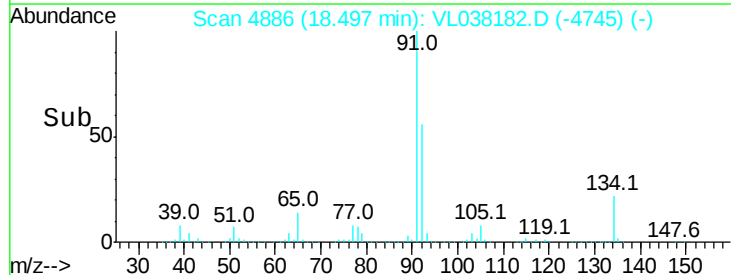
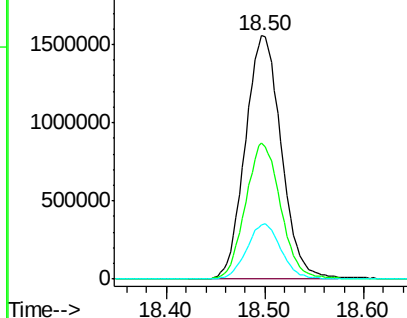


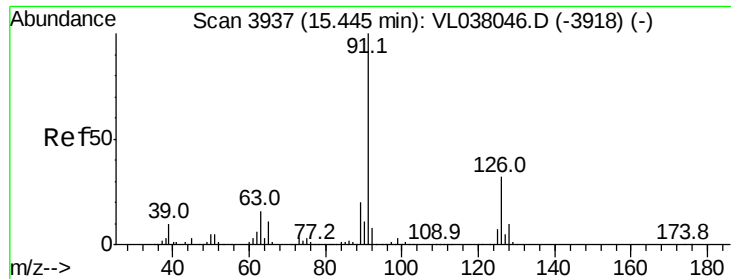
#70
 n-Butylbenzene
 Concen: 9.949 ppbv
 RT: 18.50 min Scan# 4886
 Delta R.T. -0.05 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion: 91 Resp: 3928222
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.1 66.1
 134 22.0 18.9 28.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.466 ppbv

RT: 15.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

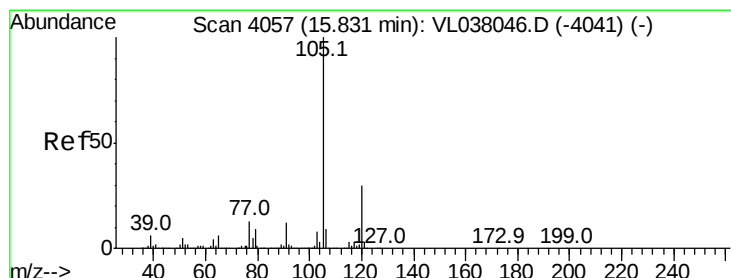
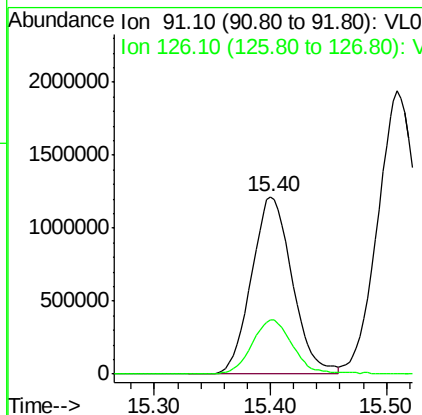
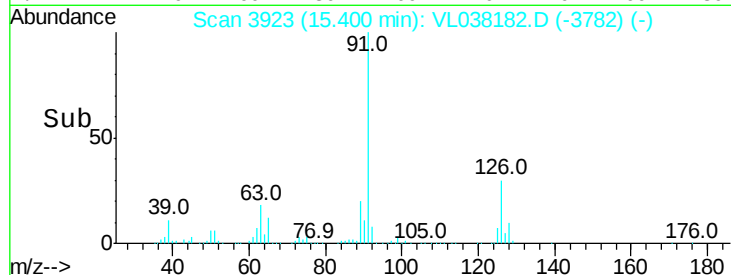
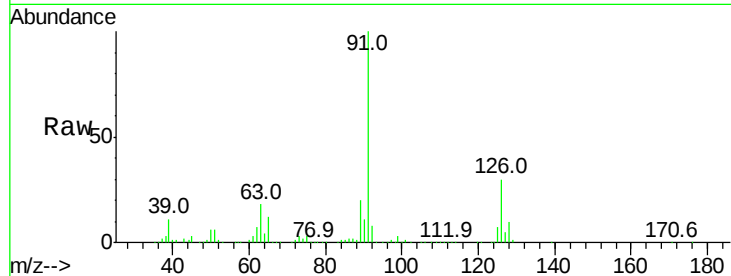
Acq: 15 Dec 2021 10:16

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Supervised By :Semsettin Yesilyurt 12/16/2021



#72

4-Ethyltoluene

Concen: 9.306 ppbv

RT: 15.79 min Scan# 4043

Delta R.T. -0.05 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

Tgt Ion:105 Resp: 3268704

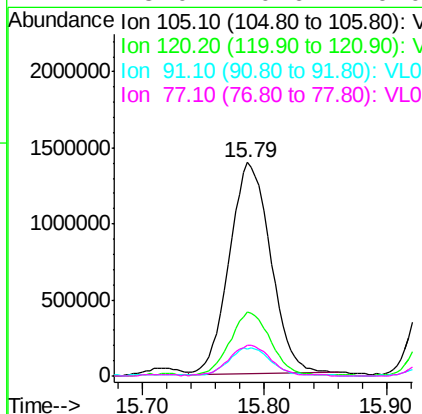
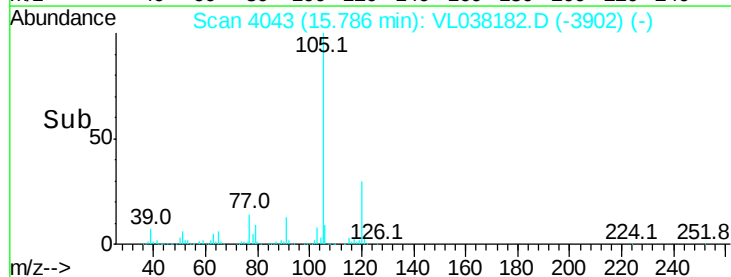
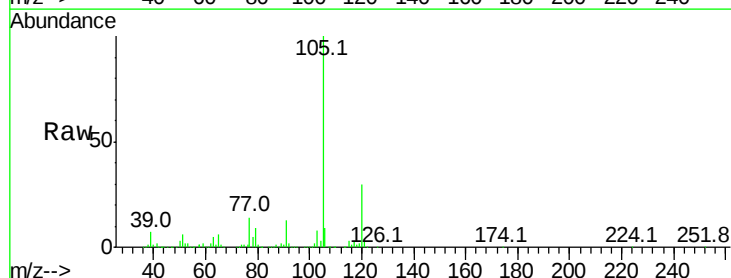
Ion Ratio Lower Upper

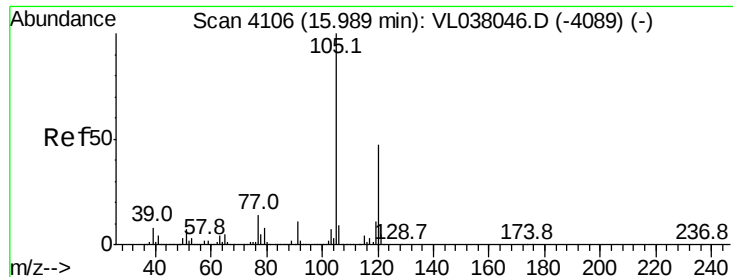
105 100

120 30.4 25.1 37.7

91 13.1 9.7 14.5

77 15.0 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.129 ppbv

RT: 15.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:1

Ion Rati

105 100

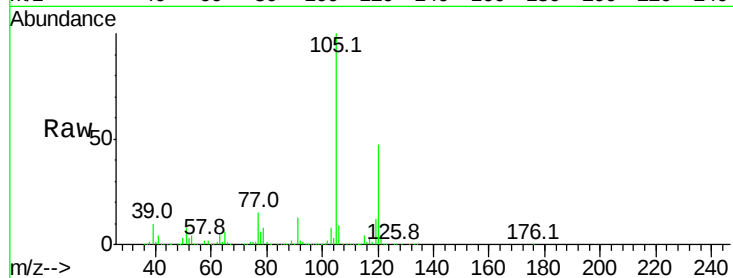
120 46.

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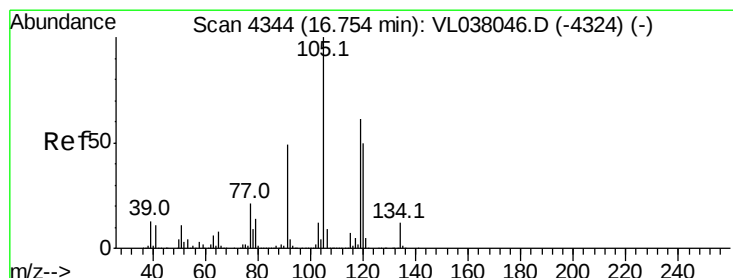
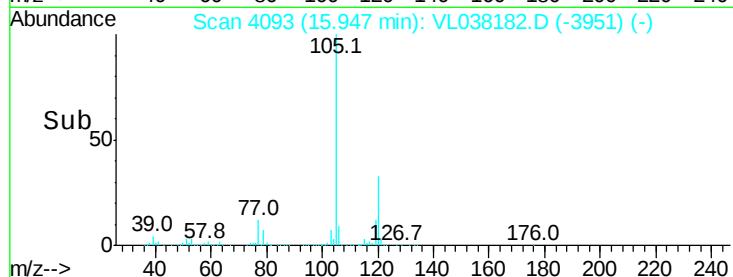
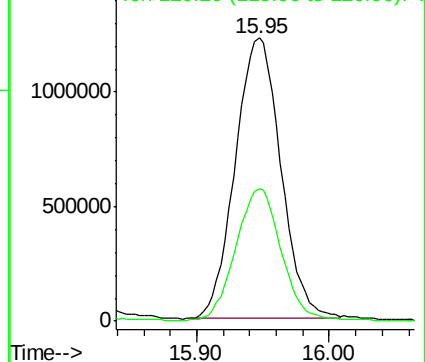
Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.388 ppbv

RT: 16.71 min Scan# 4331

Delta R.T. -0.04 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

Tgt Ion:105 Resp: 3103475

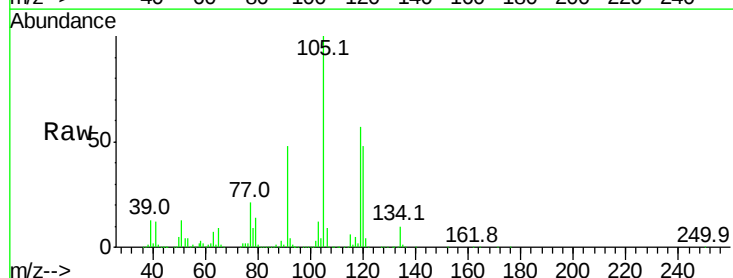
Ion Ratio Lower Upper

105 100

120 48.2 40.1 60.1

91 47.6 39.8 59.8

77 20.9 16.6 25.0

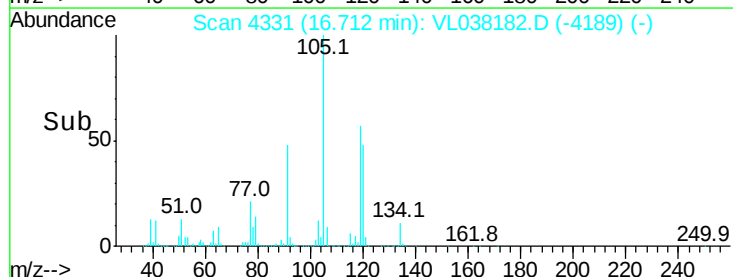
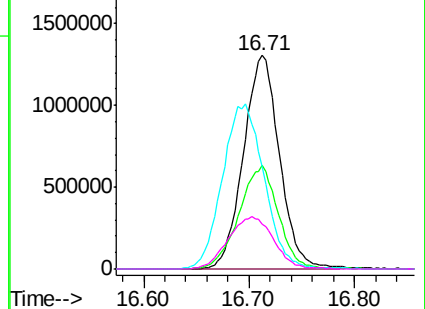


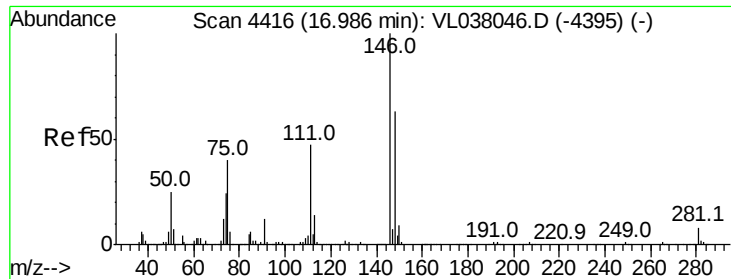
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.739 ppbv

RT: 16.94

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 10:16 VSTDCCC010EC

Tot Ion:1

Ion Ratio

146 100

111 48.

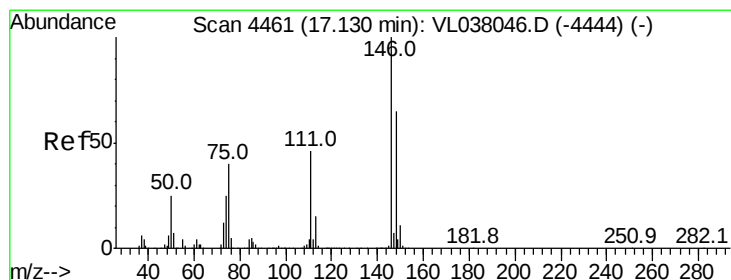
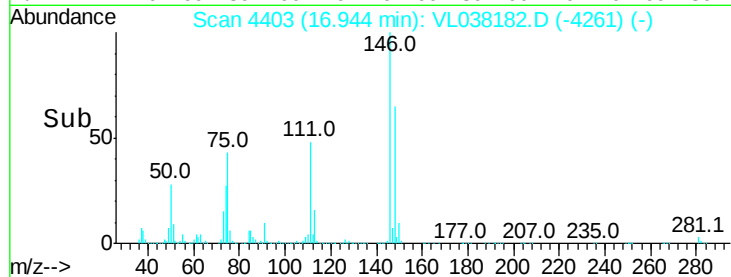
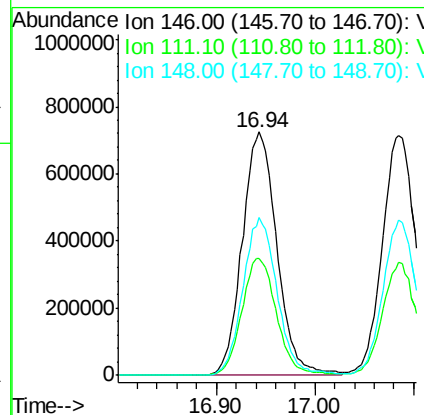
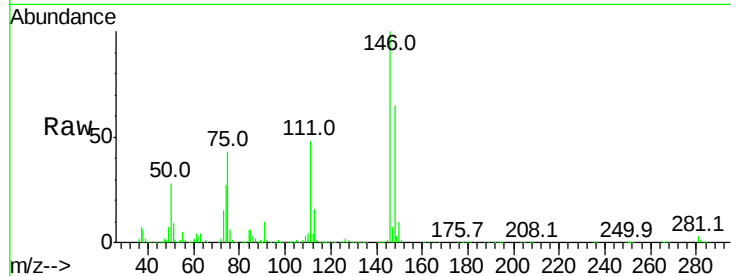
148 63.

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#76

1,4-Dichlorobenzene

Concen: 9.245 ppbv

RT: 17.09 min Scan# 4447

Delta R.T. -0.05 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

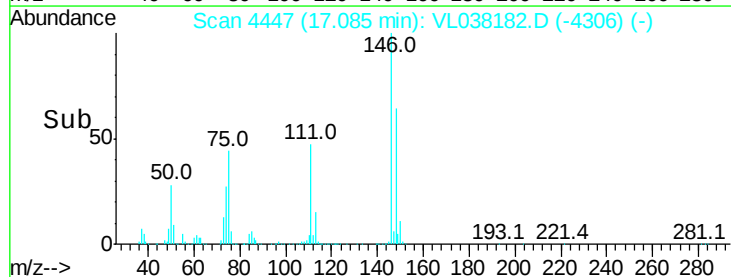
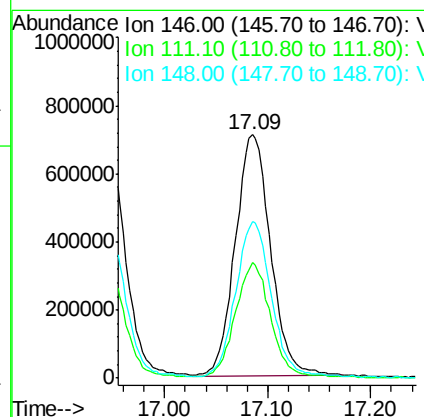
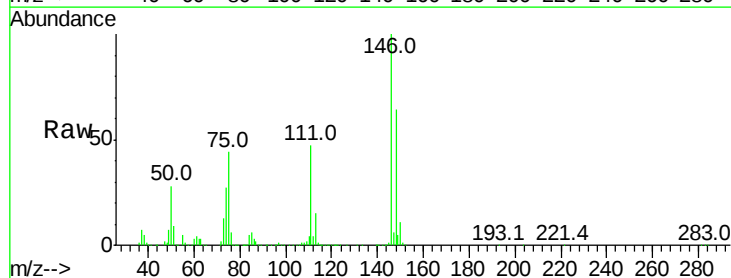
Tgt Ion:146 Resp: 1689280

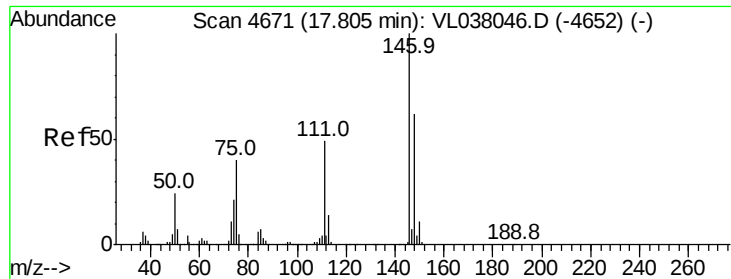
Ion Ratio Lower Upper

146 100

111 48.6 23.8 71.5

148 66.8 33.2 99.6



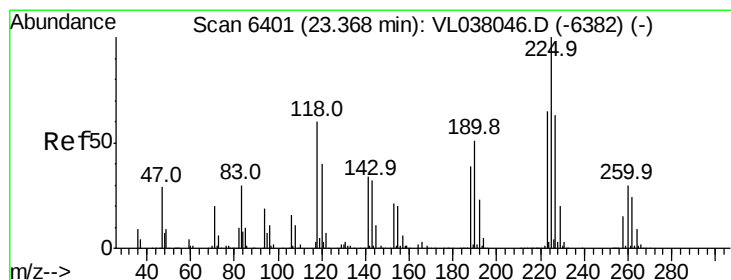
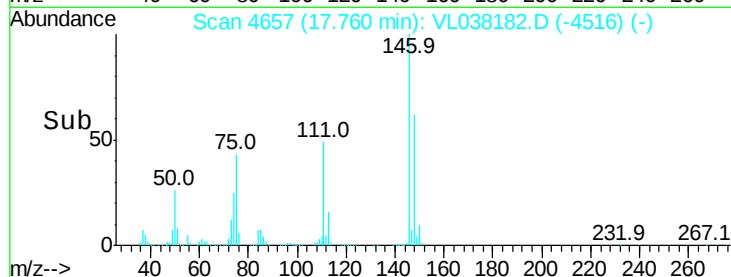
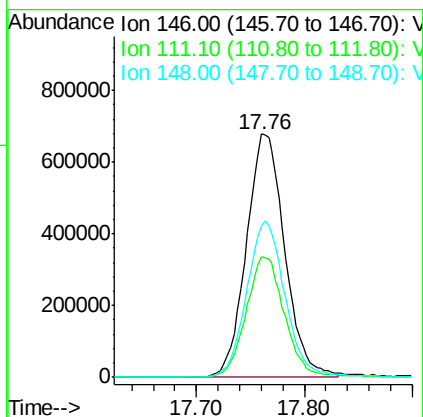
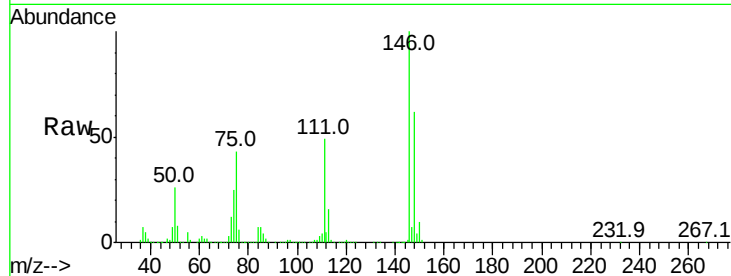


#77
 1,2-Dichlorobenzene
 Concen: 9.512 ppbv
 RT: 17.76
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 15 Dec 2021 10:16

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

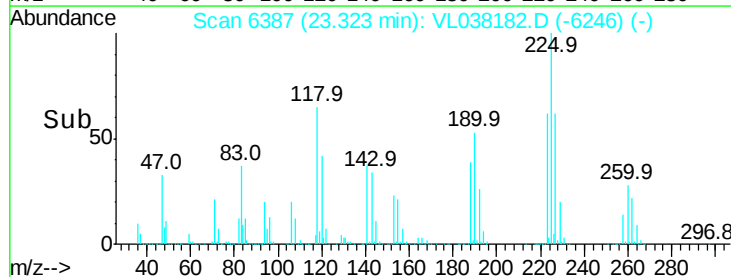
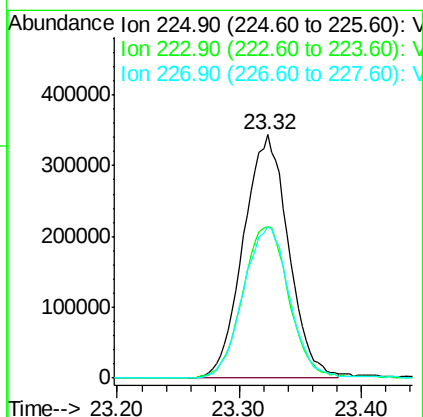
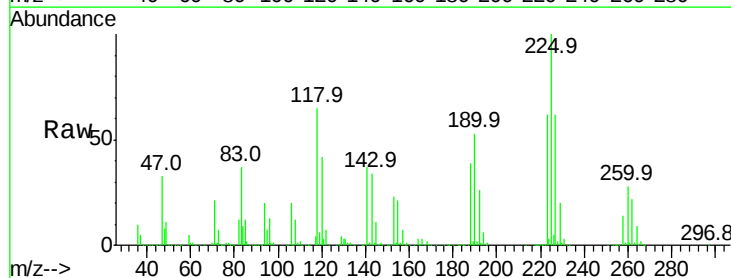
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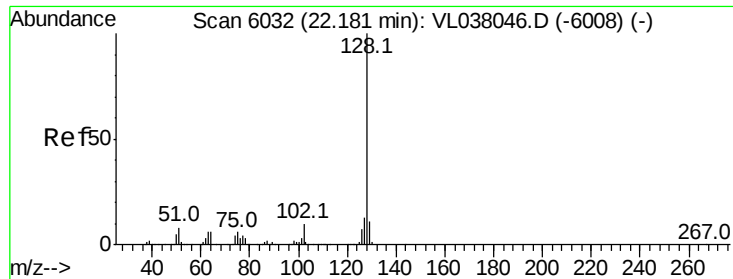
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.013 ppbv
 RT: 23.32 min Scan# 6387
 Delta R.T. -0.05 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion:225 Resp: 879579
 Ion Ratio Lower Upper
 225 100
 223 64.4 52.3 78.5
 227 64.6 52.4 78.6



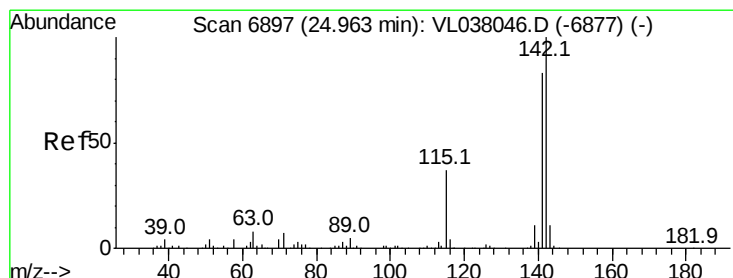
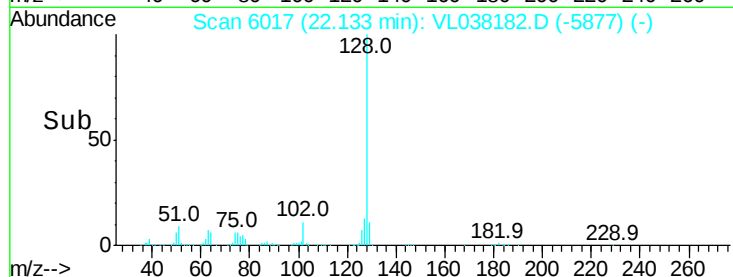
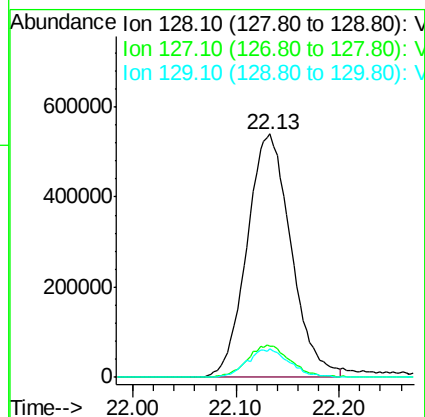
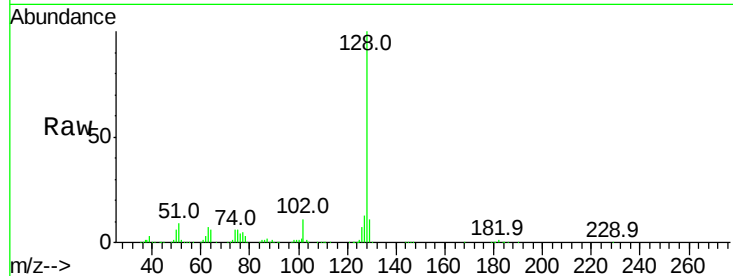


#79
Naphthalene
Concen: 9.196 ppbv
RT: 22.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 15 Dec 2021 10:16

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

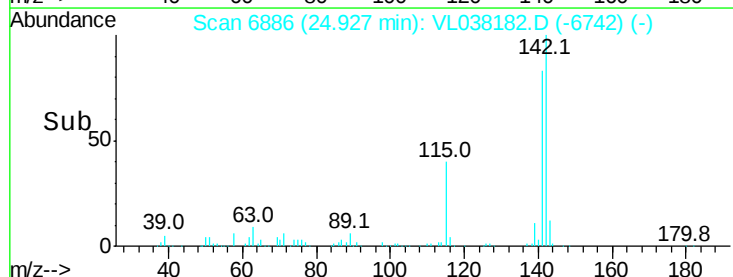
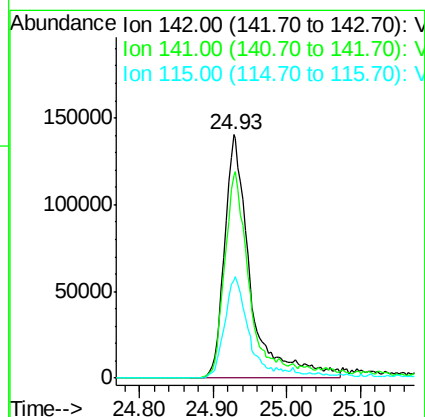
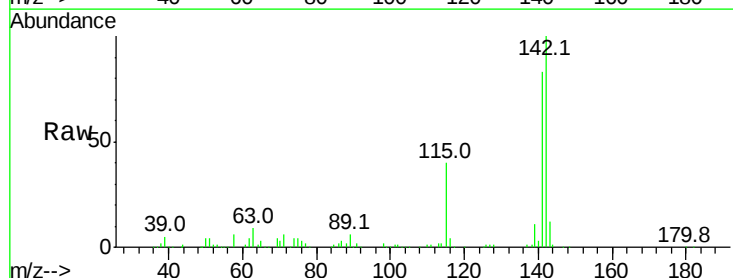
Manual Integrations
APPROVED

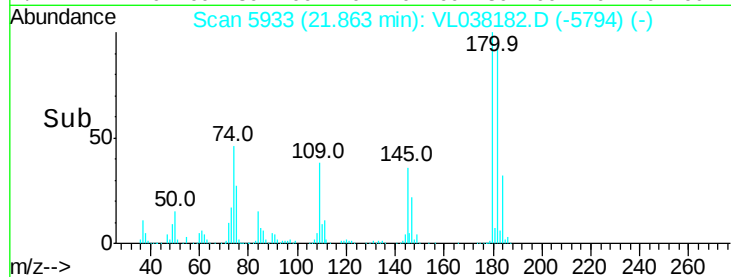
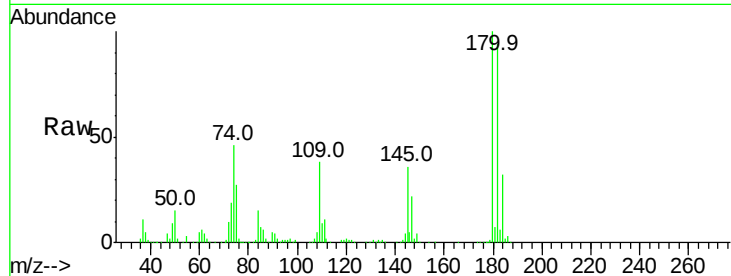
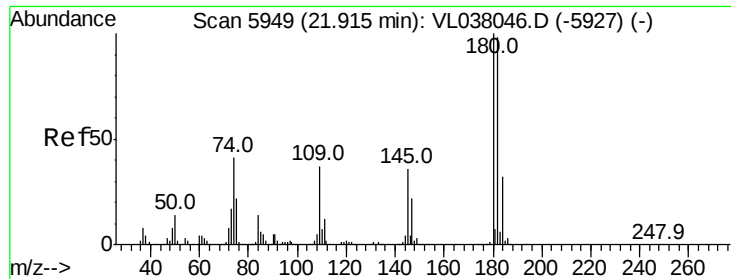
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#80
Naphthalene, 2-methyl-
Concen: 9.231 ppbv
RT: 24.93 min Scan# 6886
Delta R.T. -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion:142 Resp: 344413
Ion Ratio Lower Upper
142 100
141 82.2 67.3 100.9
115 40.6 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.077 ppbv
 RT: 21.86
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 15 Dec 2021 10:10

Tot Ion:1
 Ion Rati
 180 100
 182 98.
 184 31.

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