

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038165.D
 Acq On : 14 Dec 2021 14:08
 Operator : SY/AP
 Sample : VL1214ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1214ABS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 05:17:07 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	1073446	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	2887558	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.04	117	2631944m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2072992	10.92	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1627373	9.178	ppbv 100
3) Chlorodifluoromethane	2.97	51	1822346	8.084	ppbv 98
4) Chloromethane	3.12	50	619915	8.078	ppbv 99
5) Vinyl Chloride	3.24	62	620416	8.241	ppbv 97
6) Bromomethane	3.46	94	341984	8.480	ppbv 95
7) Chloroethane	3.54	64	219923	8.231	ppbv 89
8) Dichlorotetrafluoroethane	3.17	85	1506241	8.539	ppbv 94
9) Propene	2.99	41	608822	7.333	ppbv 97
10) Heptane	8.09	43	1577041	7.686	ppbv 98
11) Trichlorofluoromethane	3.93	101	1505475	8.927	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1031232	8.645	ppbv 99
13) Ethanol	3.59	45	62195m	7.752	ppbv
14) Bromoethene	3.72	108	472692	8.849	ppbv 97
15) Acetone	3.83	43	785008	8.435	ppbv 99
16) 1,3-Butadiene	3.31	39	580217	7.991	ppbv 99
17) tert-Butyl alcohol	4.26	59	937686	8.306	ppbv 100
18) 1,1-Dichloroethene	4.27	96	468584	8.563	ppbv 99
19) Isopropyl Alcohol	3.94	45	534650	7.951	ppbv 100
20) Methylene Chloride	4.32	84	406260	7.793	ppbv 99
21) Allyl Chloride	4.39	41	736051	8.544	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	509581	9.194	ppbv 95
23) Vinyl Acetate	5.04	43	1180584	8.763	ppbv 98
24) 1,1-Dichloroethane	4.98	63	971276	8.657	ppbv 99
25) Ethyl Acetate	5.65	43	2439685	7.887	ppbv 99
26) Hexane	5.66	57	1115280	7.481	ppbv 98
27) Carbon Disulfide	4.53	76	1240344	9.287	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1027077	8.110	ppbv 99
29) Chloroform	5.72	83	1810995	8.242	ppbv 100
30) Cyclohexane	7.10	84	961053	7.100	ppbv 94
31) cis-1,2-Dichloroethene	5.52	61	1105040	7.792	ppbv 94
32) 1,1,1-Trichloroethane	6.48	97	1786372	8.011	ppbv 97
34) 2-Butanone	5.21	43	1120097	9.620	ppbv 96
35) Carbon Tetrachloride	6.98	117	1901291	9.371	ppbv 98
36) Benzene	6.86	78	2371912	8.235	ppbv 99
37) 1,2-Dichloroethane	6.27	62	1359212	9.771	ppbv 97
38) Trichloroethene	7.80	130	861061	7.925	ppbv 96
39) 1,2-Dichloropropane	7.57	63	939217	8.500	ppbv 94
40) 1,4-Dioxane	7.79	88	229056	7.957	ppbv # 1
41) Tetrahydrofuran	6.02	42	598915	8.286	ppbv 95
42) Bromodichloromethane	7.75	83	2052193	9.704	ppbv 100
43) Methyl Methacrylate	7.98	69	885355	8.984	ppbv 93

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Instrument :
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 ClientSampleId :
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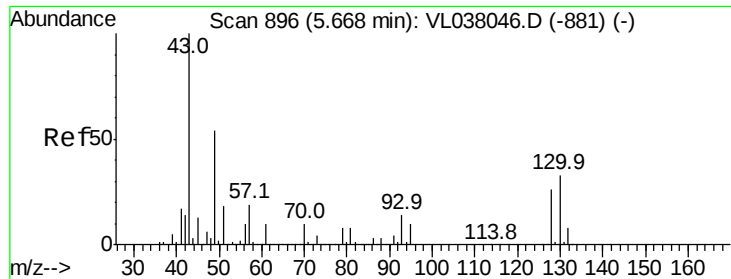
Manual Integrations
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Quant Time: Dec 15 05:17:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3939412	8.175	ppbv	98
45) t-1,3-Dichloropropene	9.24	75	849029	10.741	ppbv	95
46) cis-1,3-Dichloropropene	8.66	75	1057398	9.890	ppbv	93
47) 1,1,2-Trichloroethane	9.44	97	944113	8.159	ppbv	93
48) Dibromochloromethane	10.27	129	1702663	9.662	ppbv	98
49) Bromoform	13.00	173	1339984	10.628	ppbv	97
50) 4-Methyl-2-Pentanone	8.70	43	1704416	9.639	ppbv	96
51) 2-Hexanone	10.10	43	828187	9.955	ppbv #	95
52) Tetrachloroethene	11.18	164	780601	7.324	ppbv	97
53) Toluene	9.77	91	2677335	8.079	ppbv	97
54) 1,2-Dibromoethane	10.57	107	1420158	8.688	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.08	131	1051770	8.803	ppbv	95
57) Chlorobenzene	12.11	112	1917438	8.128	ppbv	96
58) Ethyl Benzene	12.67	91	3553461	8.169	ppbv	96
59) m/p-Xylene	12.95	91	5990152m	16.358	ppbv	
60) o-Xylene	13.65	91	2777594	8.177	ppbv	96
61) Styrene	13.48	104	1471541	8.080	ppbv	93
62) Isopropylbenzene	14.63	105	3771285	7.821	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.63	83	2112698	8.373	ppbv	98
64) n-propylbenzene	15.52	120	989211	8.053	ppbv	92
65) tert-Butylbenzene	16.70	119	3314233	7.801	ppbv	96
66) Benzyl Chloride	16.94	91	253694	11.783	ppbv	95
67) sec-Butylbenzene	17.25	105	4674636	7.897	ppbv	100
69) p-Isopropyltoluene	17.61	119	3813060	8.235	ppbv	98
70) n-Butylbenzene	18.51	91	3983752	8.998	ppbv	98
71) 2-Chlorotoluene	15.41	91	2948974	8.365	ppbv	96
72) 4-Ethyltoluene	15.80	105	3213342	8.159	ppbv	97
73) 1,3,5-Trimethylbenzene	15.95	105	2893228	8.043	ppbv	98
74) 1,2,4-Trimethylbenzene	16.72	105	3052639	8.235	ppbv	96
75) 1,3-Dichlorobenzene	16.95	146	1736780	8.530	ppbv	99
76) 1,4-Dichlorobenzene	17.09	146	1696734	8.281	ppbv	100
77) 1,2-Dichlorobenzene	17.77	146	1674513	8.494	ppbv	99
78) Hexachloro-1,3-Butadiene	23.33	225	995078	8.084	ppbv	98
79) Naphthalene	22.14	128	1858461	9.520	ppbv	99
80) Naphthalene,2-methyl-	24.93	142	362602	8.667	ppbv #	90
81) 1,2,4-Trichlorobenzene	21.87	180	1033419	9.212	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1214ABS01

Acq: 14 Dec 2021 14:08

Tot Ion:

Ion Ratio

49 100

128 50.

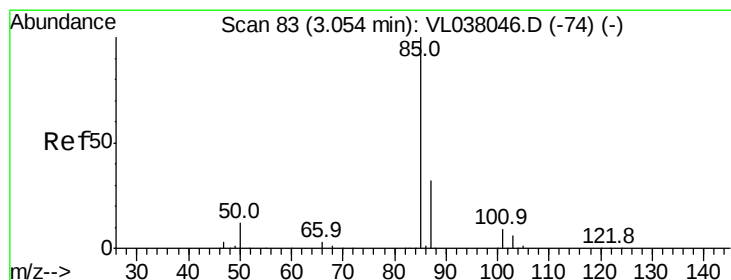
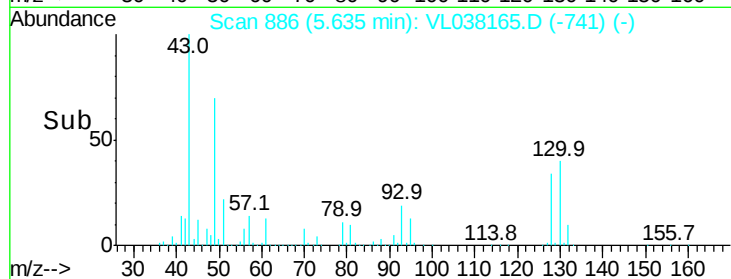
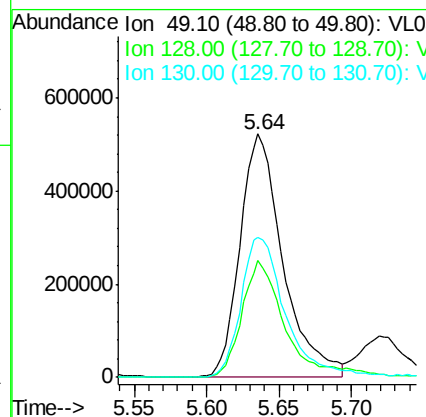
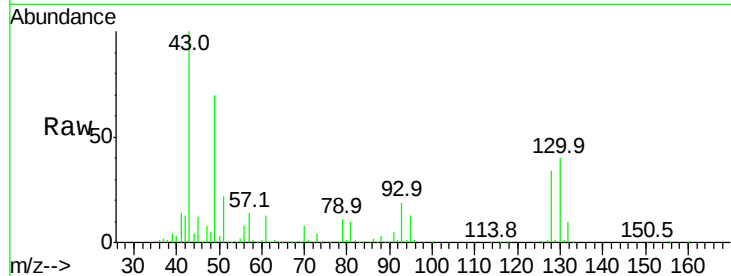
130 61.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/16/2021



#2

Dichlorodifluoromethane

Concen: 9.178 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL038165.D

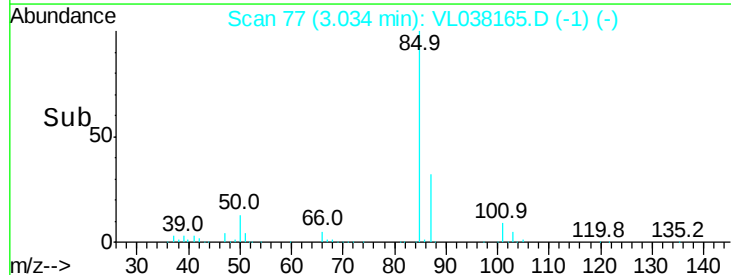
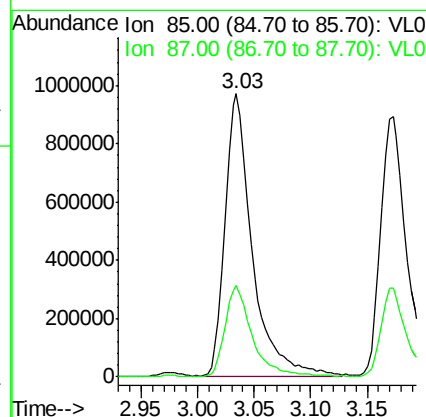
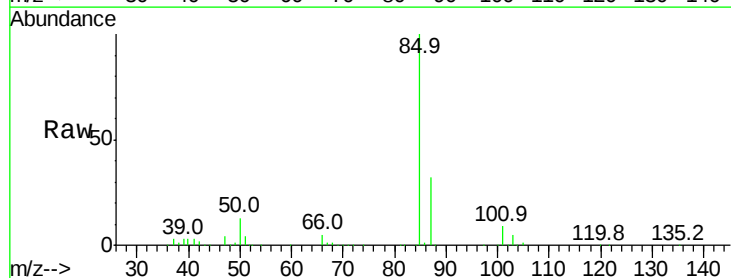
Acq: 14 Dec 2021 14:08

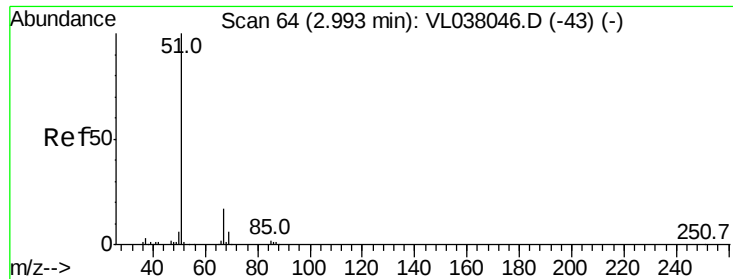
Tgt Ion: 85 Resp: 1627373

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.6





#3

Chlorodifluoromethane

Concen: 8.084 ppbv

RT: 2.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08

Tot Ion:

Ion Ratio

51 100

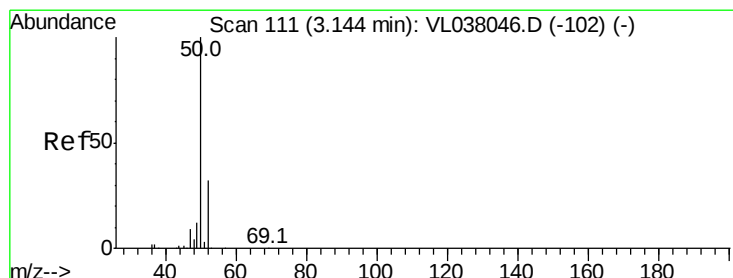
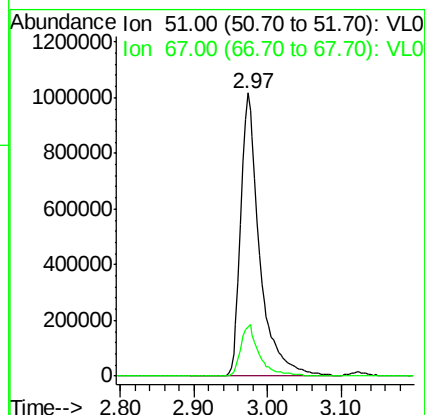
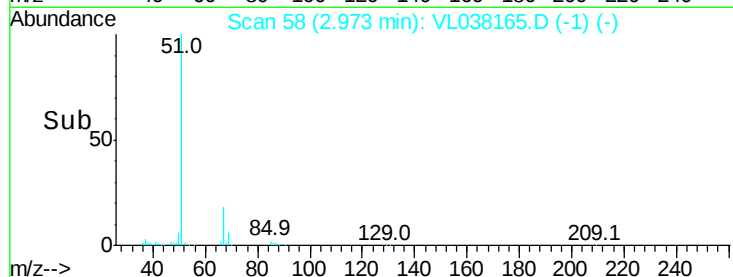
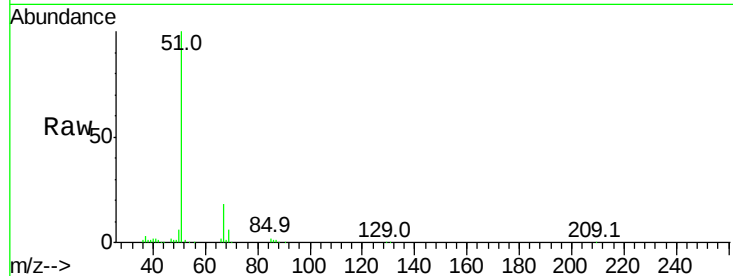
67 18.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/16/2021



#4

Chloromethane

Concen: 8.078 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL038165.D

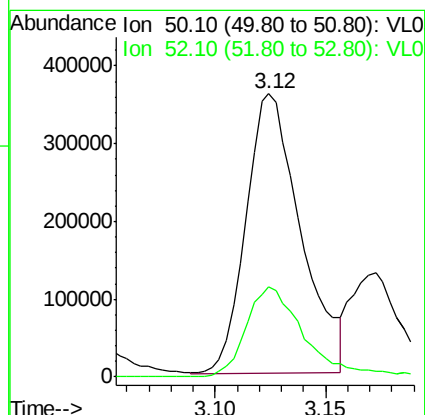
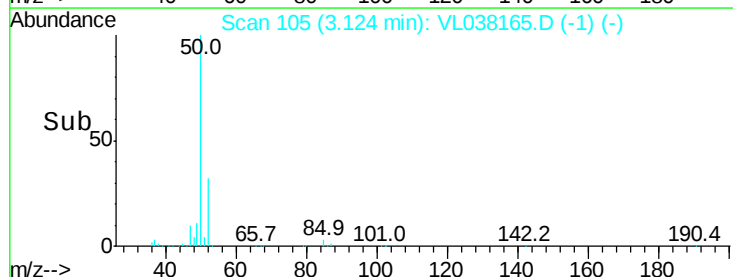
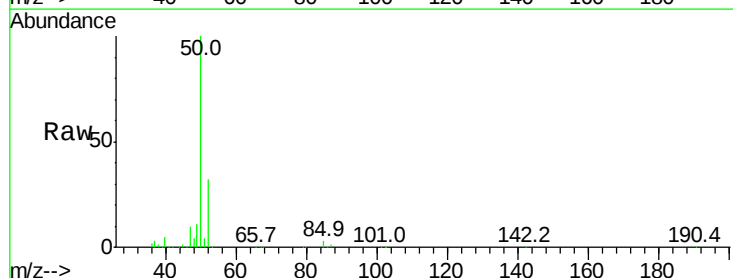
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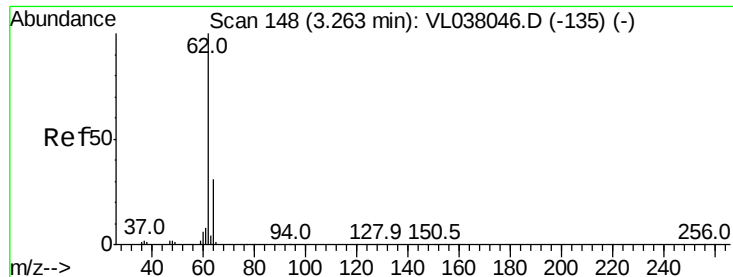
Tgt Ion: 50 Resp: 619915

Ion Ratio Lower Upper

50 100

52 32.1 25.4 38.0





#5

Vinyl Chloride

Concen: 8.241 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Dec 2021 14:08 VL1214ABS01

Tot Ion:

Ion Ratio

62 100

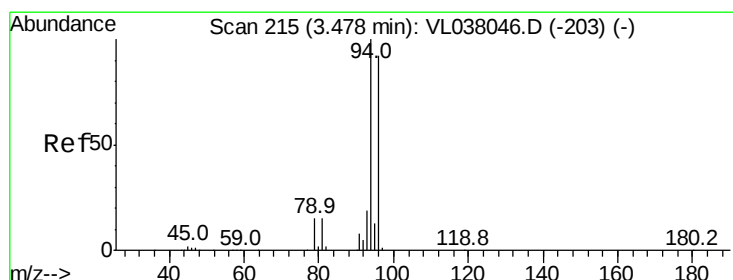
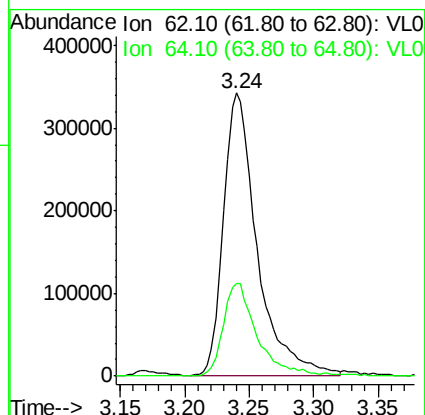
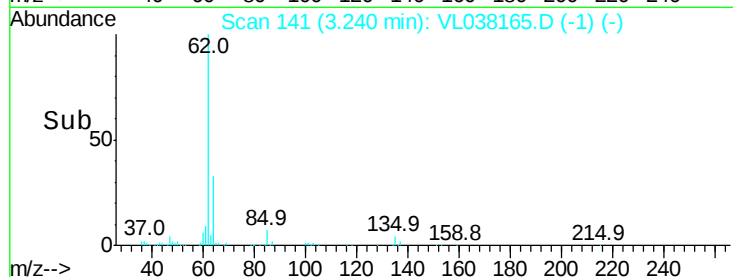
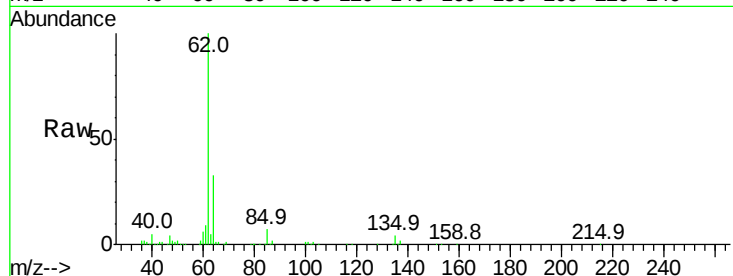
64 32.

Manual Integrations

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#6

Bromomethane

Concen: 8.480 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.02 min

Lab File: VL038165.D

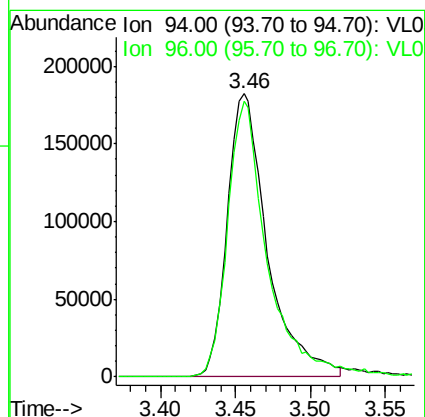
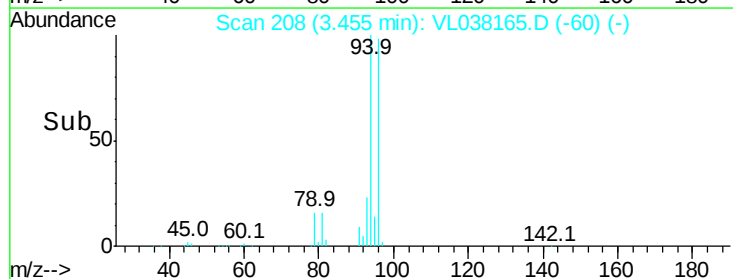
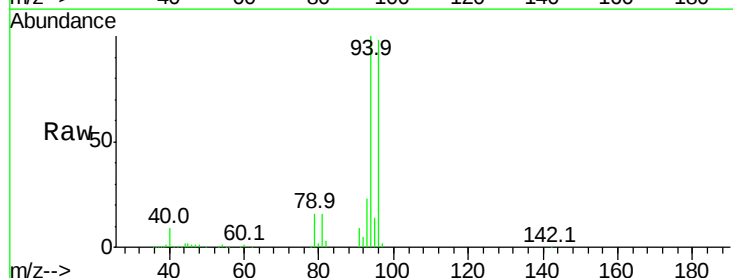
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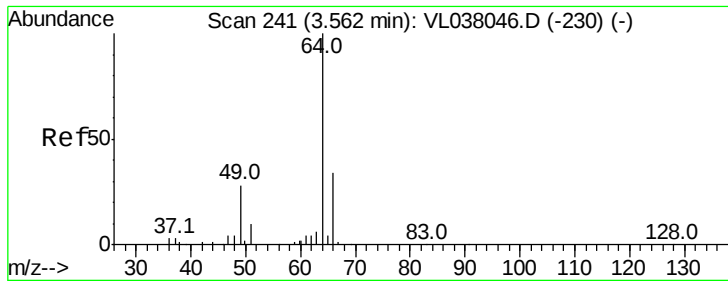
Tgt Ion: 94 Resp: 341984

Ion Ratio Lower Upper

94 100

96 97.5 73.9 110.9





#7

Chloroethane

Concen: 8.231 ppbv

RT: 3.54 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08 VL1214ABS01

Tot Ion:

Ion Ratio

64 100

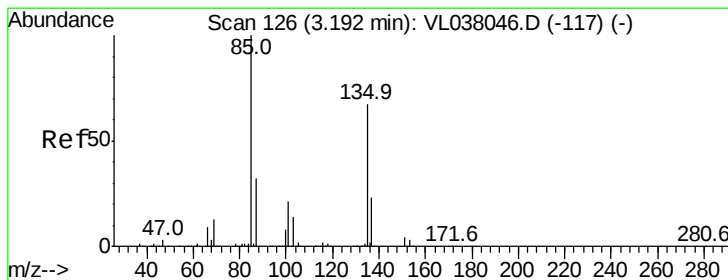
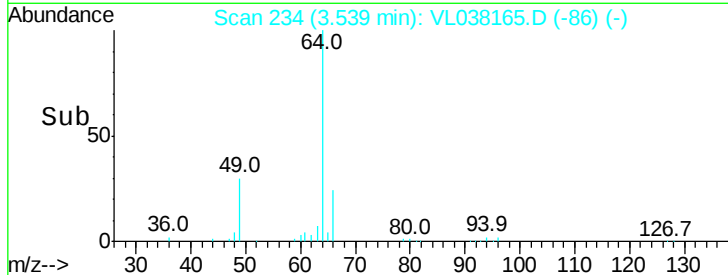
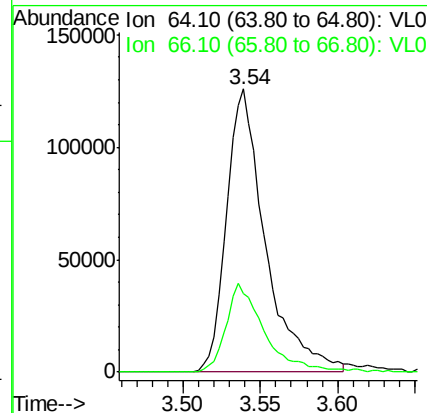
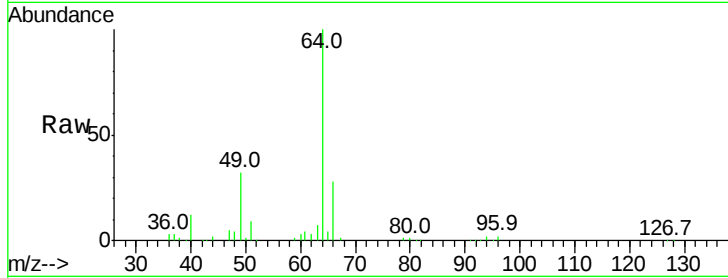
66 27.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#8

Dichlorotetrafluoroethane

Concen: 8.539 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.02 min

Lab File: VL038165.D

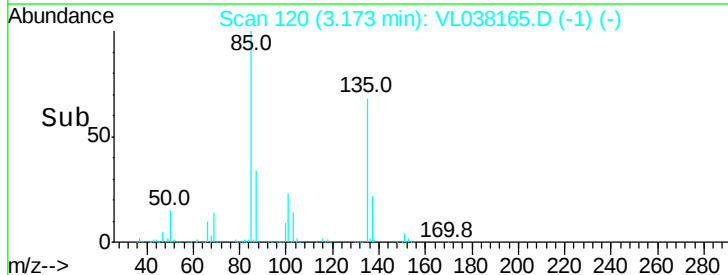
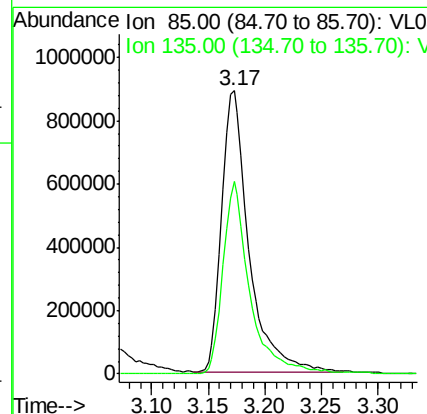
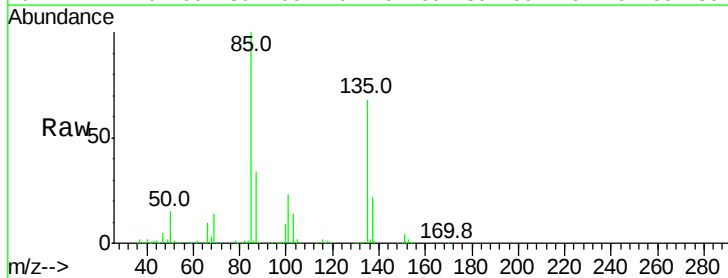
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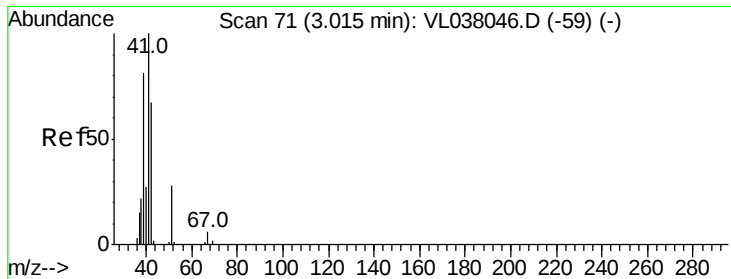
Tgt Ion: 85 Resp: 1506241

Ion Ratio Lower Upper

85 100

135 67.4 57.9 86.9



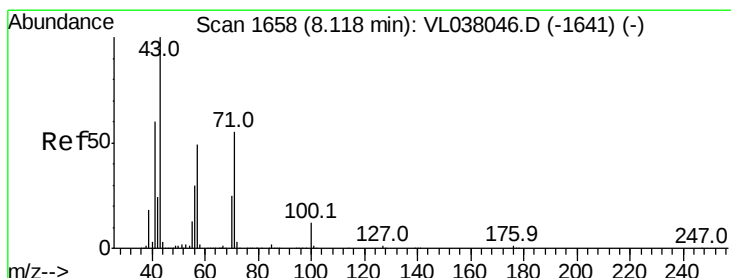
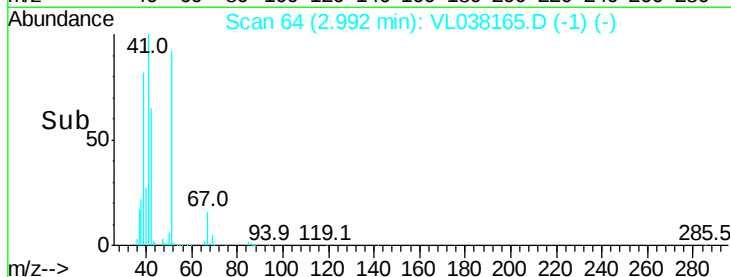
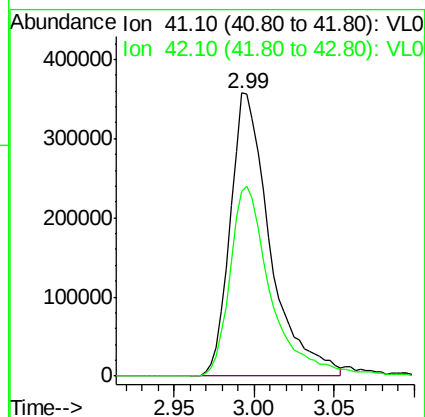
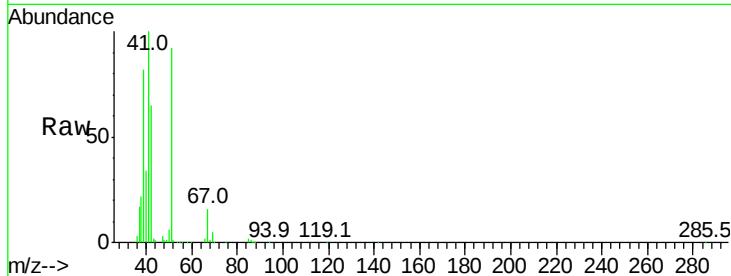


#9
 Propene
 Concen: 7.333 ppbv
 RT: 2.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL1214ABS01
 Acq: 14 Dec 2021 14:08

Tot Ion:
 Ion Ratio
 41 100
 42 69.

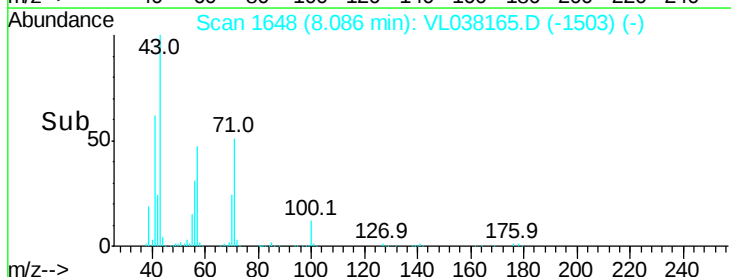
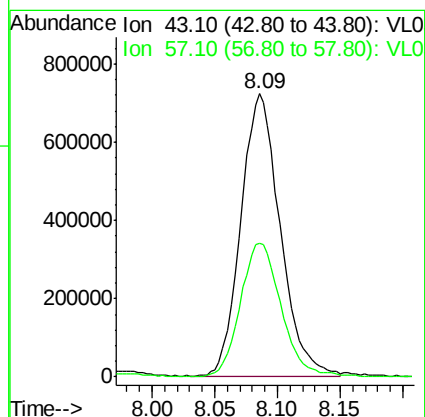
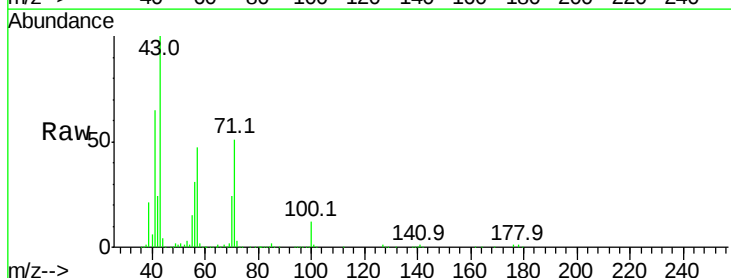
Manual Integrations
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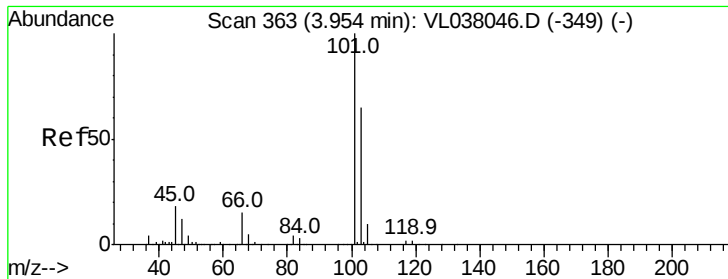
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#10
 Heptane
 Concen: 7.686 ppbv
 RT: 8.09 min Scan# 1648
 Delta R.T. -0.03 min
 Lab File: VL038165.D
 Acq: 14 Dec 2021 14:08

Tgt Ion: 43 Resp: 1577041
 Ion Ratio Lower Upper
 43 100
 57 49.4 40.4 60.6



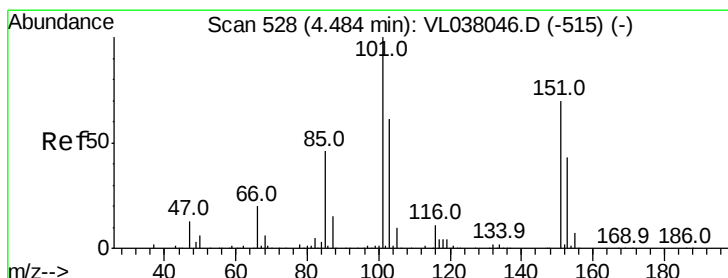
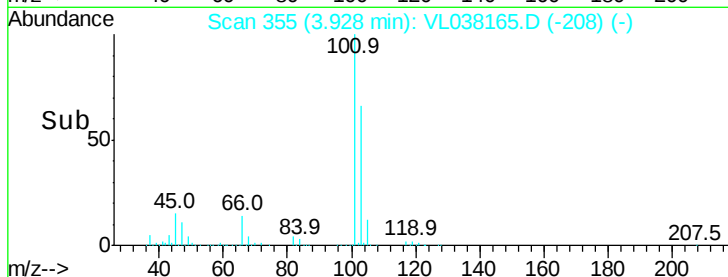
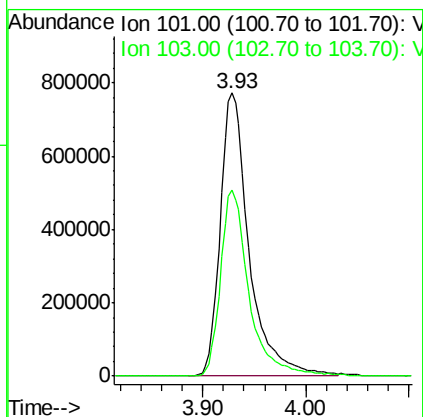
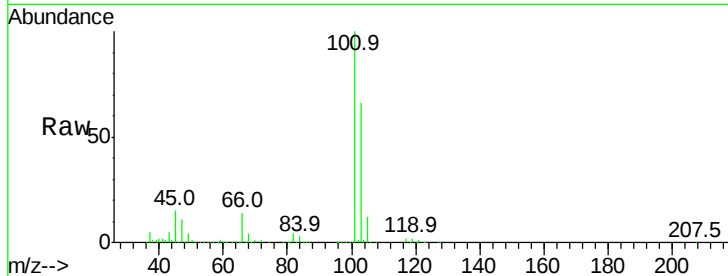


#11
 Trichlorofluoromethane
 Concen: 8.927 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL1214ABS01
 Acq: 14 Dec 2021 14:08

Tot Ion:1
 Ion Rati
 101 100
 103 65.

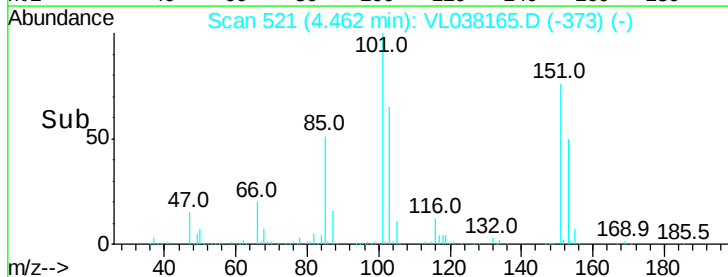
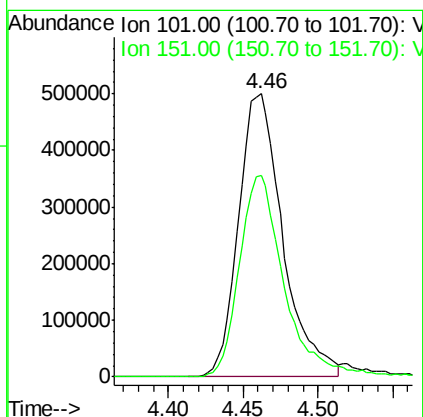
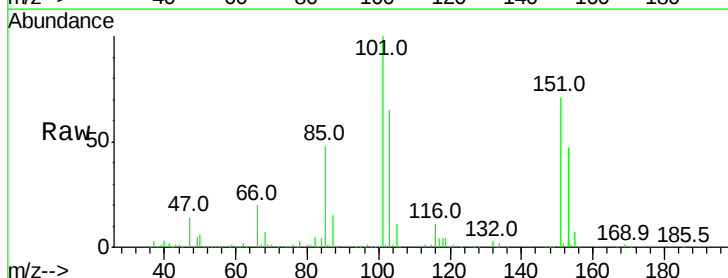
Manual Integrations
 APPROVED

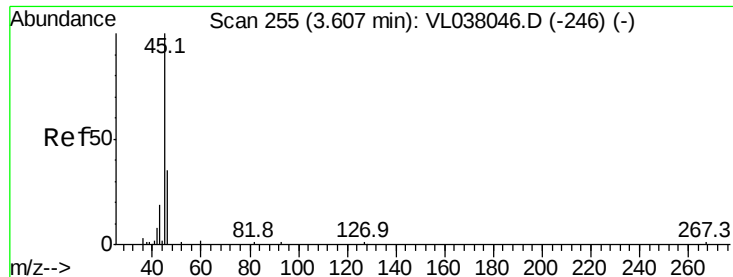
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.645 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL038165.D
 Acq: 14 Dec 2021 14:08

Tgt Ion:101 Resp: 1031232
 Ion Ratio Lower Upper
 101 100
 151 72.5 59.0 88.4



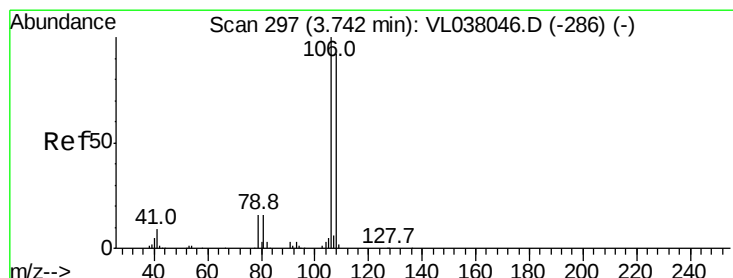
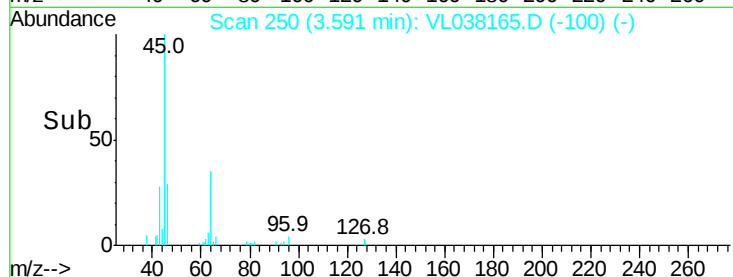
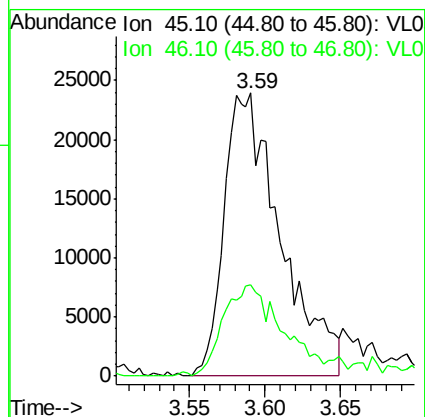
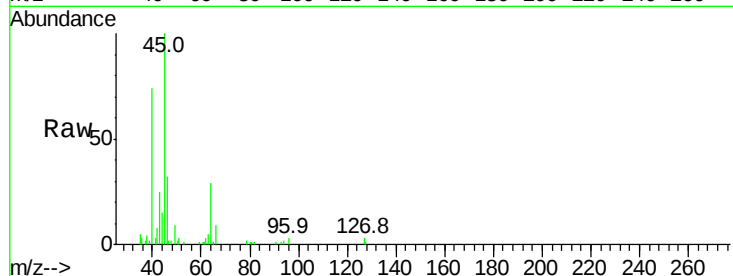


#13
Ethanol
Concen: 7.752 ppbv m
RT: 3.59
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 14:08

Tot Ion:
Ion Ratio
45 100
46 0.

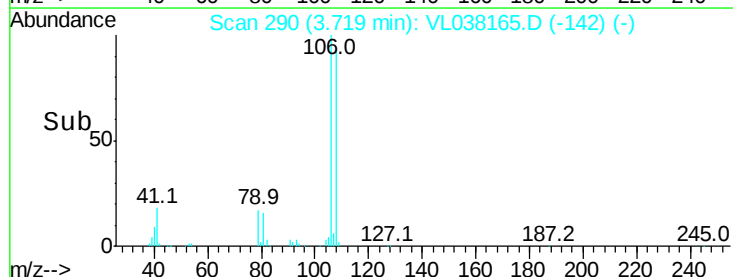
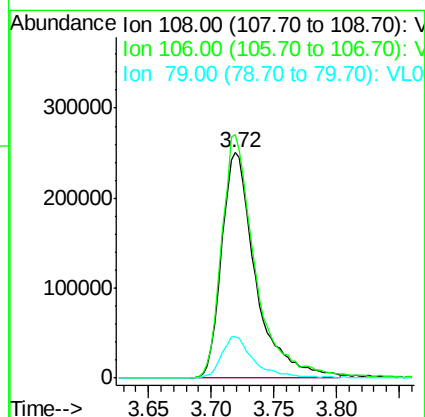
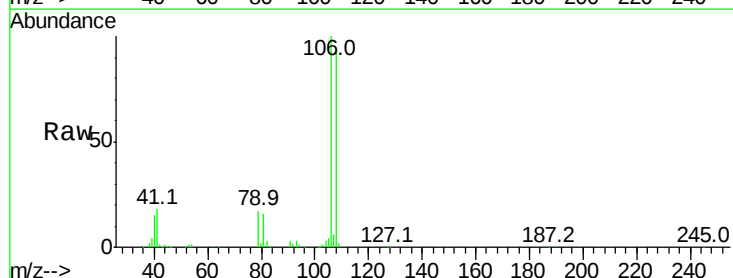
Manual Integrations
APPROVED

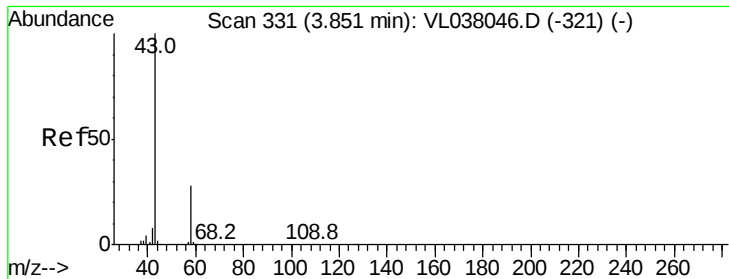
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#14
Bromoethene
Concen: 8.849 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.02 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion:108 Resp: 472692
Ion Ratio Lower Upper
108 100
106 108.5 89.4 134.0
79 18.1 14.1 21.1





#15

Acetone

Concen: 8.435 ppbv

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08

Tot Ion:

Ion Ratio

43 100

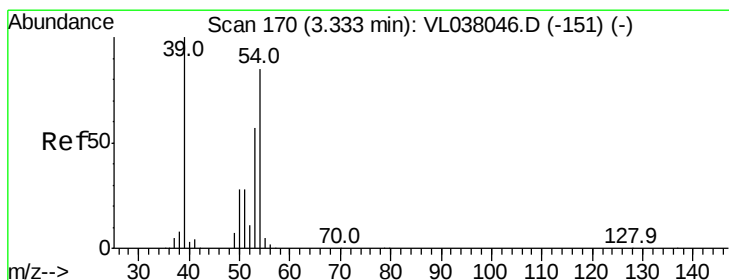
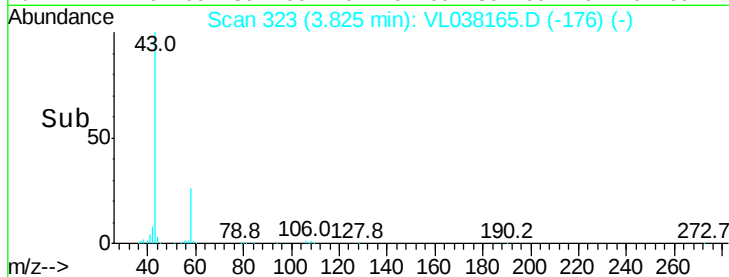
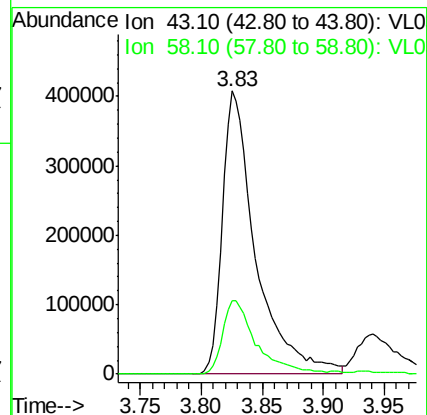
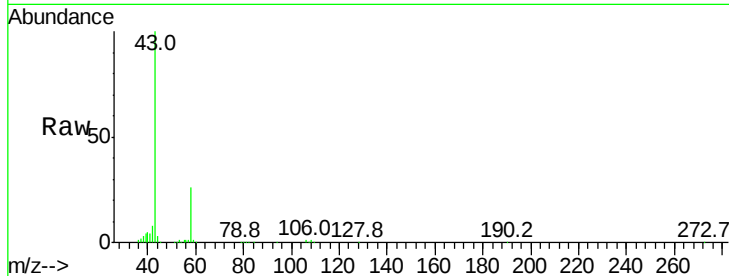
58 28.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#16

1,3-Butadiene

Concen: 7.991 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL038165.D

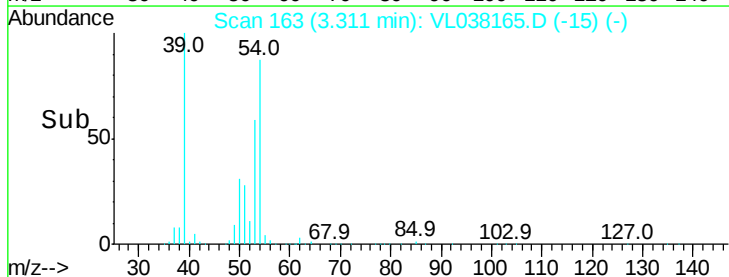
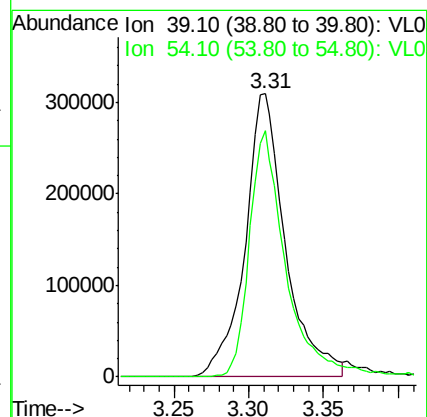
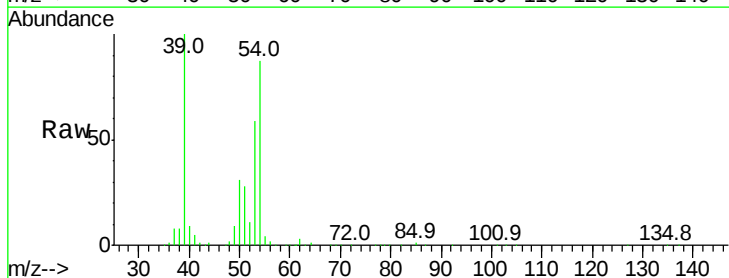
Acq: 14 Dec 2021 14:08

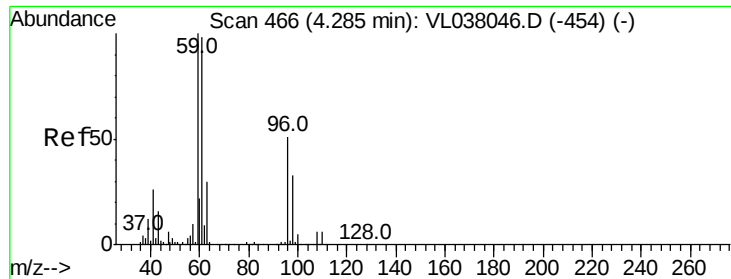
Tgt Ion: 39 Resp: 580217

Ion Ratio Lower Upper

39 100

54 80.0 64.4 96.6





#17

tert-Butyl alcohol

Concen: 8.306 ppbv

RT: 4.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 14:08

Tot Ion:

Ion Ratio

59 100

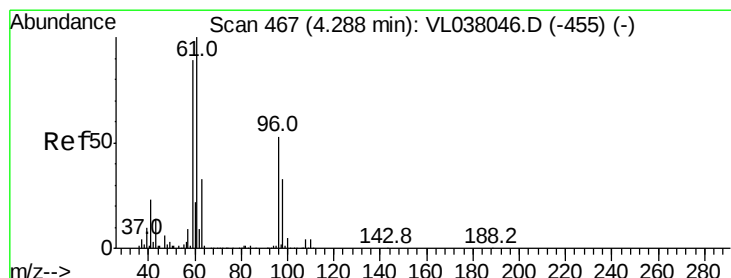
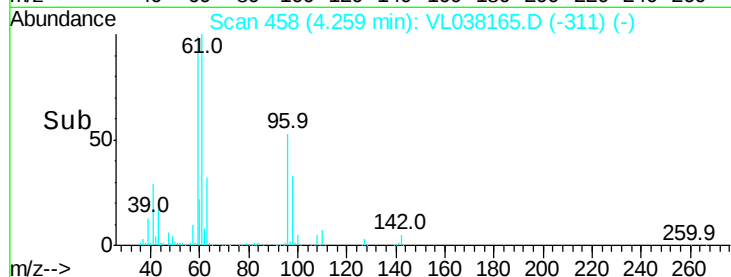
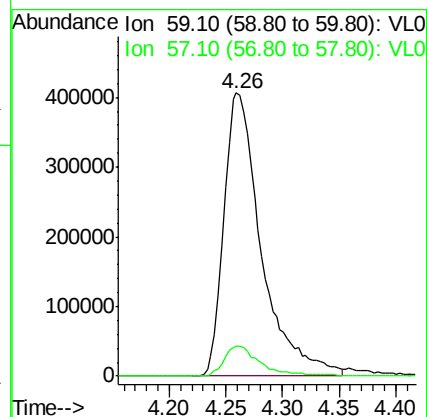
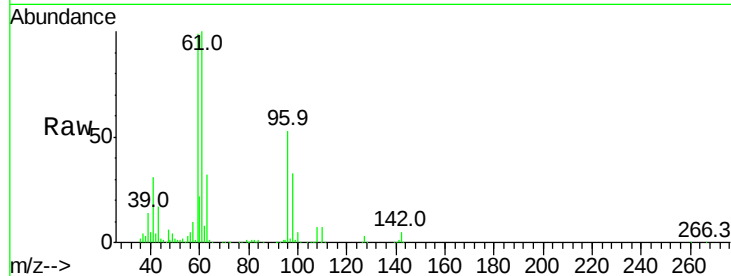
57 10.

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: 8.563 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.02 min

Lab File: VL038165.D

Acq: 14 Dec 2021 14:08

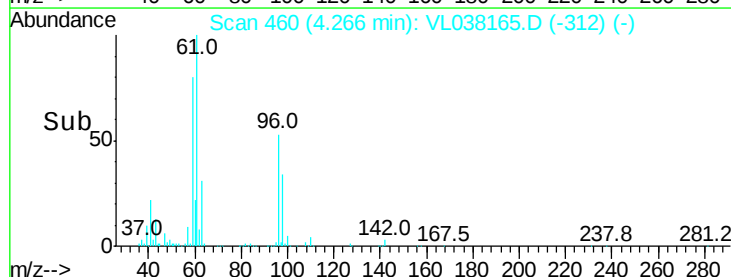
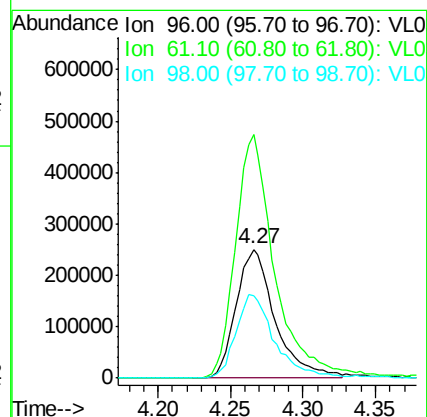
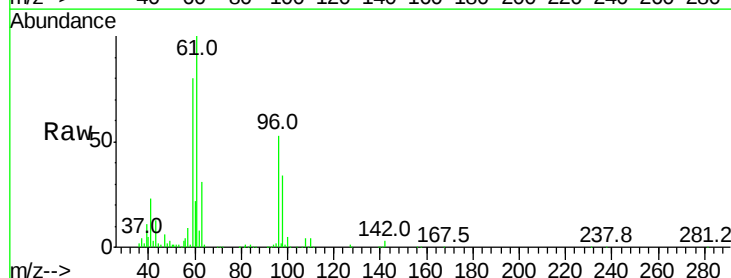
Tgt Ion: 96 Resp: 468584

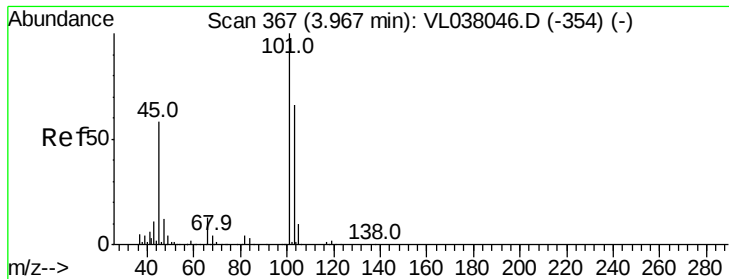
Ion Ratio Lower Upper

96 100

61 189.0 149.8 224.8

98 64.4 50.2 75.2





#19

Isopropyl Alcohol

Concen: 7.951 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VL1214ABS01

Acq: 14 Dec 2021 14:08

Tot Ion:

Ion Ratio

45 100

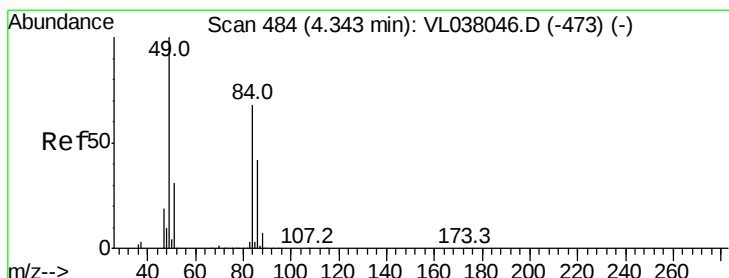
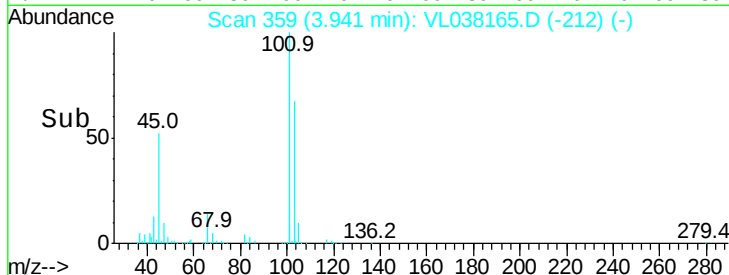
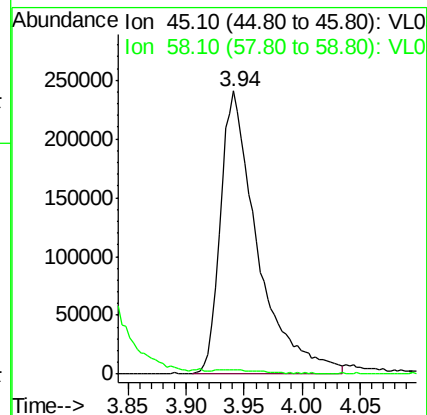
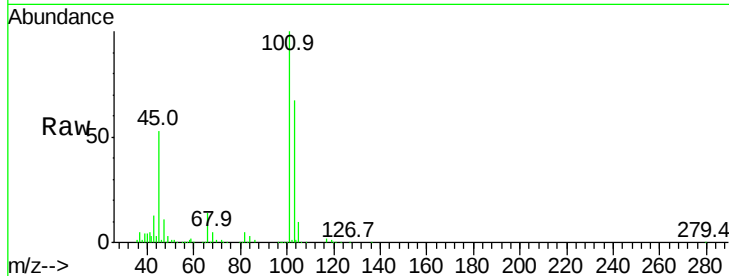
58 1.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#20

Methylene Chloride

Concen: 7.793 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL038165.D

Acq: 14 Dec 2021 14:08

Tgt Ion: 84 Resp: 406260

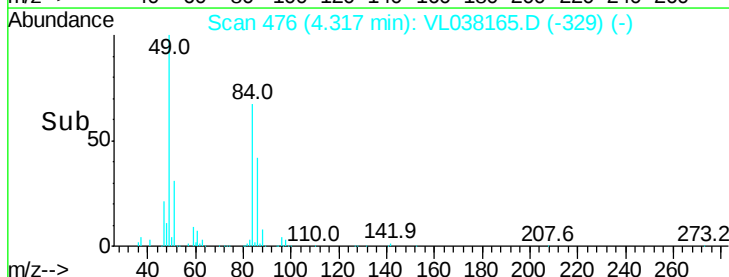
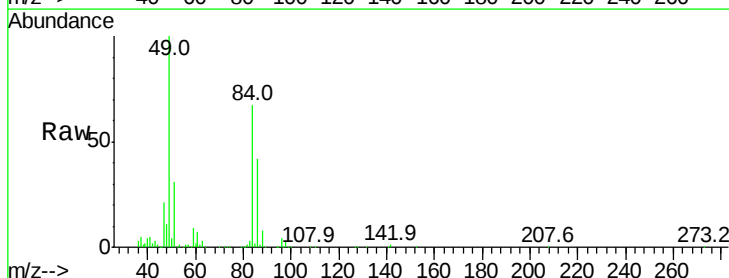
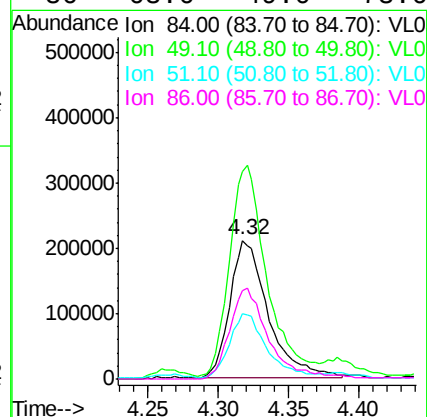
Ion Ratio Lower Upper

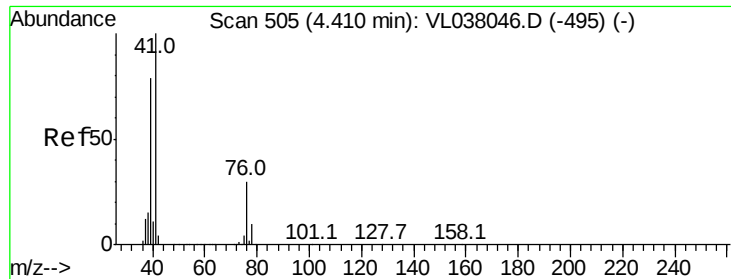
84 100

49 147.2 118.2 177.2

51 45.7 36.8 55.2

86 63.6 49.0 73.6



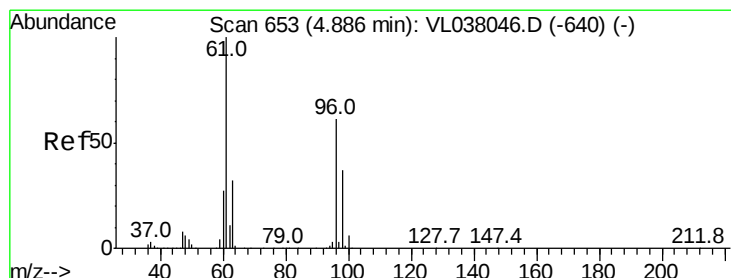
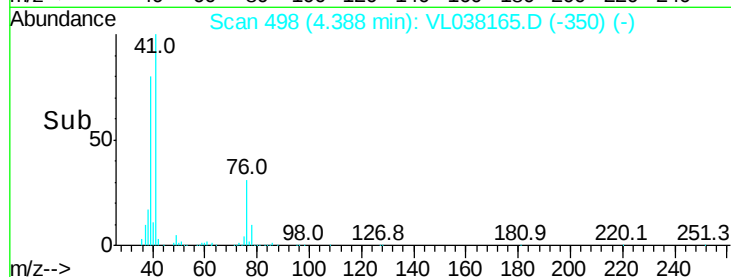
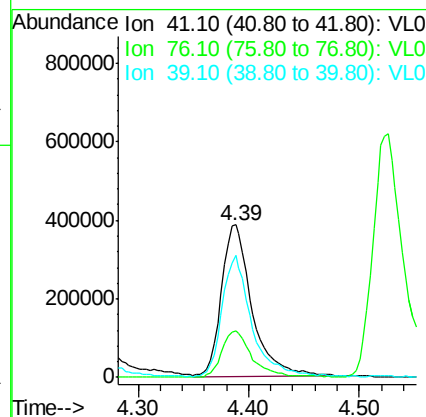
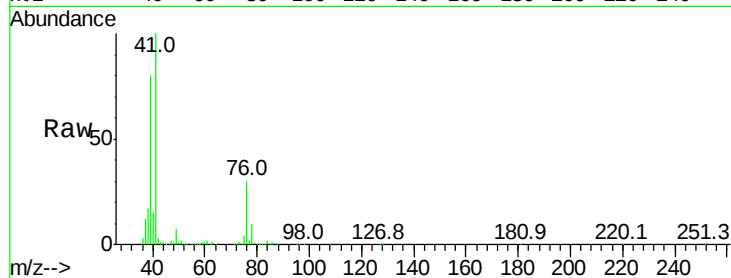


#21
 Allvl Chloride
 Concen: 8.544 ppbv
 RT: 4.39
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1214ABS01
 Acq: 14 Dec 2021 14:08

Tot Ion:
 Ion Ratio
 41 100
 76 30.
 39 78.

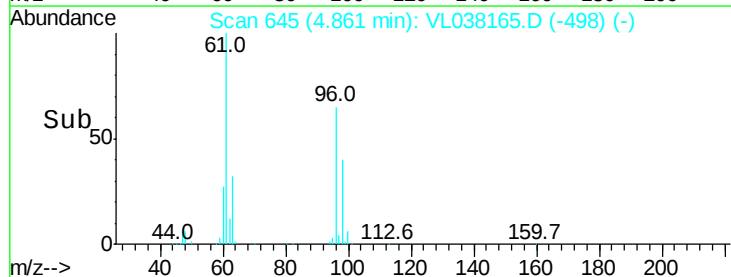
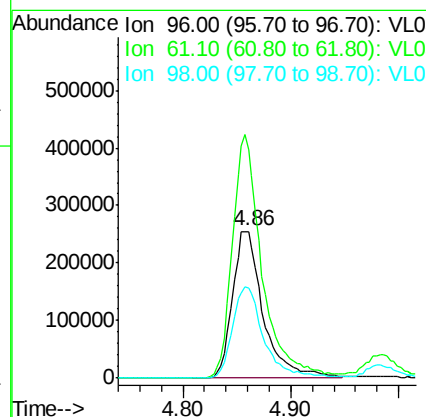
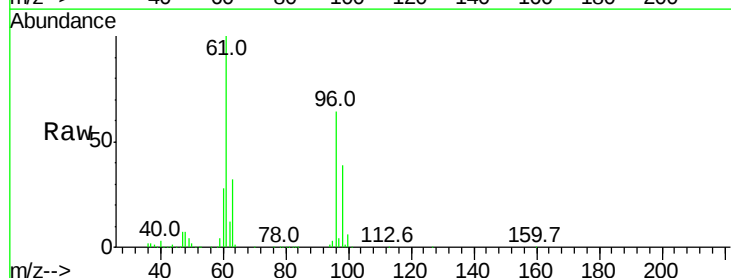
Manual Integrations
 APPROVED

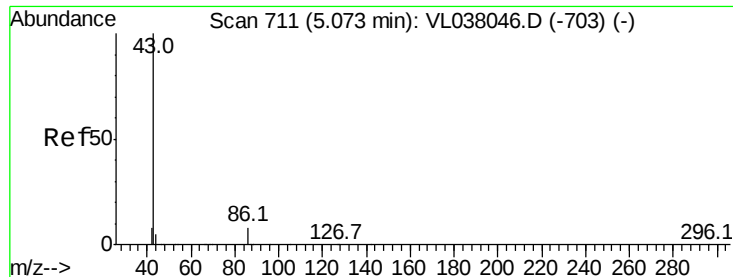
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#22
 trans-1,2-Dichloroethene
 Concen: 9.194 ppbv
 RT: 4.86 min Scan# 645
 Delta R.T. -0.03 min
 Lab File: VL038165.D
 Acq: 14 Dec 2021 14:08

Tgt Ion: 96 Resp: 509581
 Ion Ratio Lower Upper
 96 100
 61 156.0 131.6 197.4
 98 61.2 48.4 72.6





#23

Vinyl Acetate

Concen: 8.763 ppbv

RT: 5.04

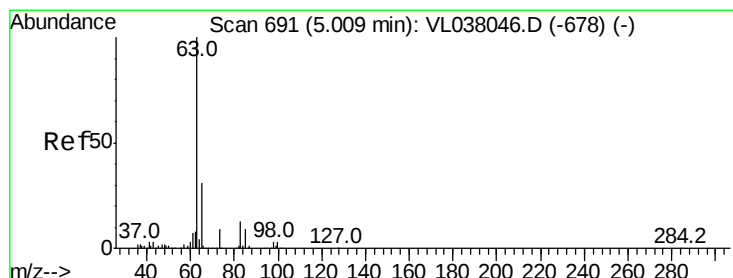
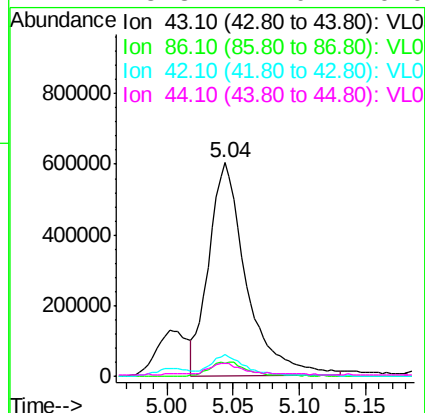
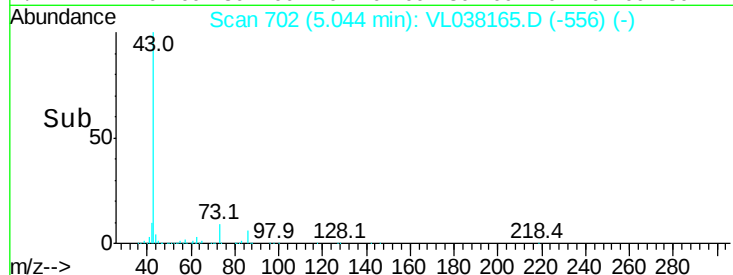
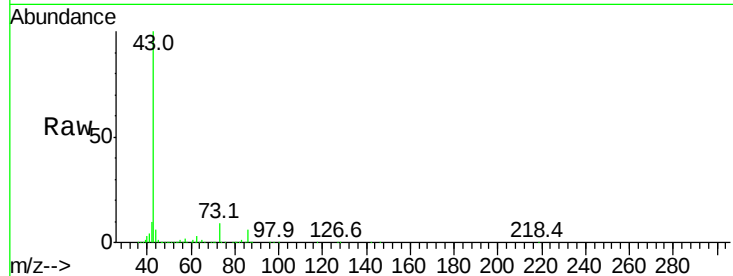
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 14:08

Tot Ion: Manual Integrations
 Ion Ratio APPROVED
 43 100
 86 6.
 42 10.
 44 5.3 4.0 6.0

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



#24

1,1-Dichloroethane

Concen: 8.657 ppbv

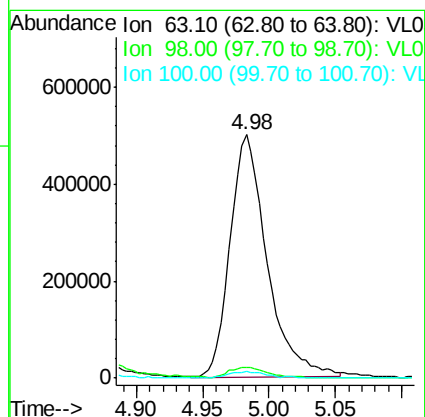
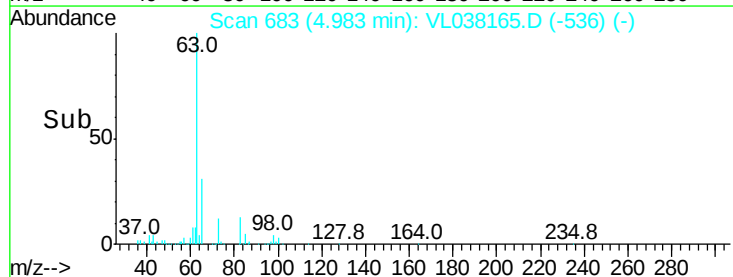
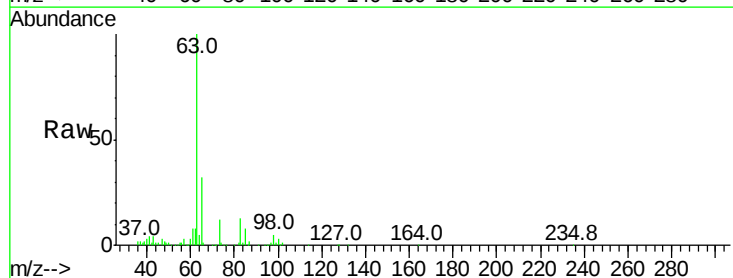
RT: 4.98 min Scan# 683

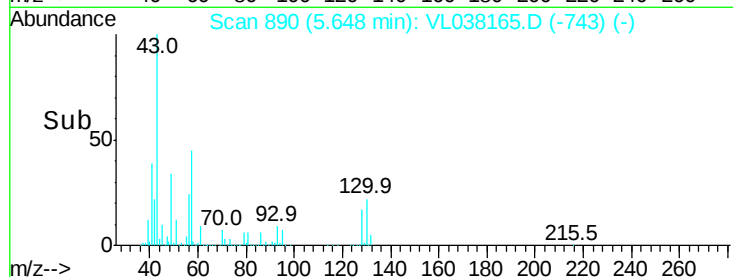
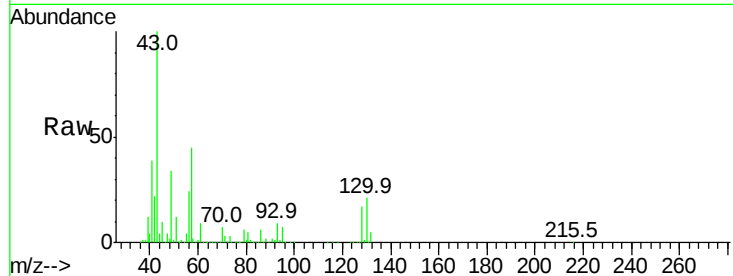
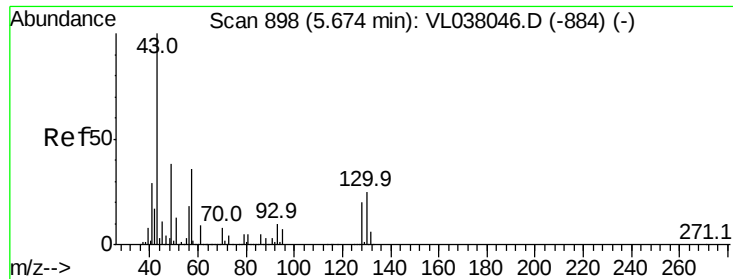
Delta R.T. -0.03 min

Lab File: VL038165.D

Acq: 14 Dec 2021 14:08

Tgt Ion: 63 Resp: 971276
 Ion Ratio Lower Upper
 63 100
 98 4.3 1.8 5.4
 100 2.5 1.4 4.0



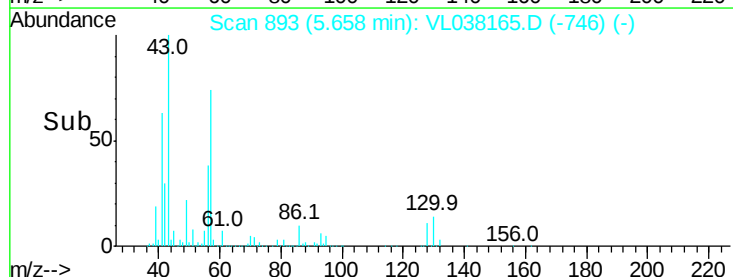
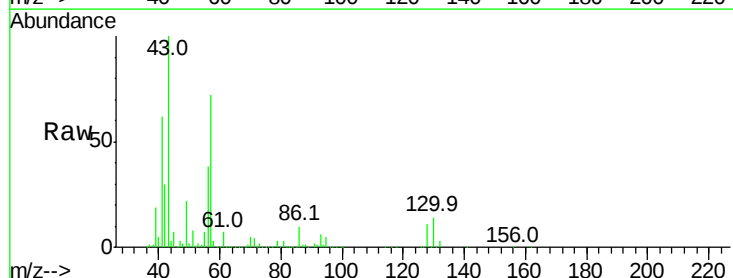
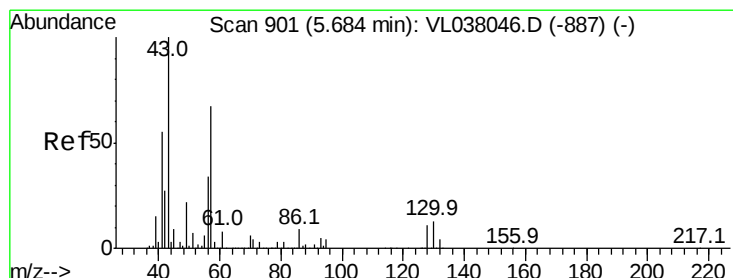
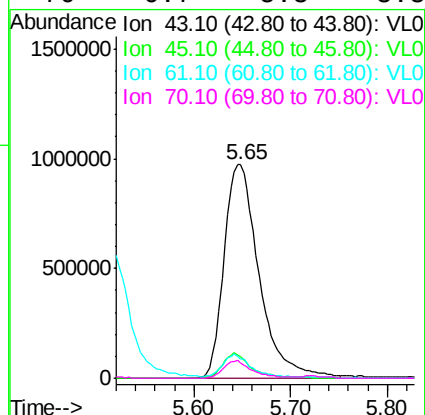


#25
Ethyl Acetate
Concen: 7.887 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1214ABS01
Acq: 14 Dec 2021 14:08

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

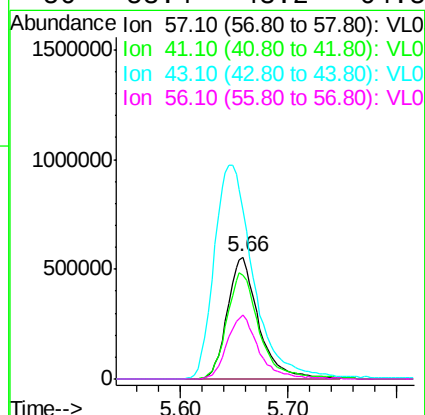
Manual Integrations
APPROVED

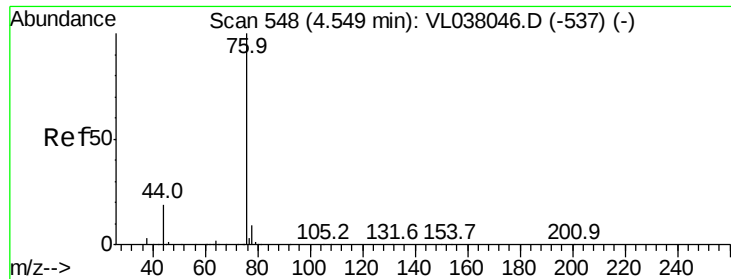
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#26
Hexane
Concen: 7.481 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion: 57 Resp: 1115280
Ion Ratio Lower Upper
57 100
41 91.9 71.4 107.2
43 221.3 174.6 261.8
56 53.4 43.2 64.8





#27

Carbon Disulfide

Concen: 9.287 ppbv

RT: 4.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08

Tot Ion:

Ion Ratio

76 100

44 19.

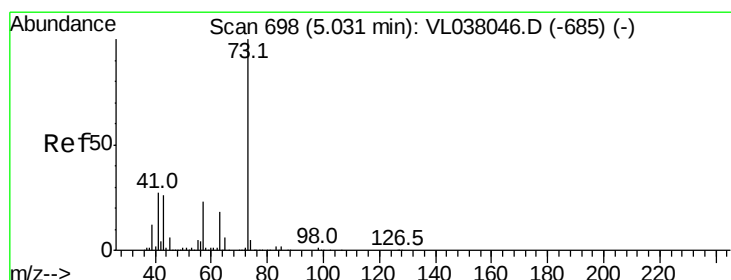
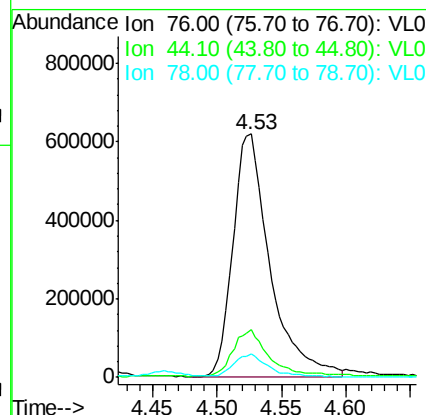
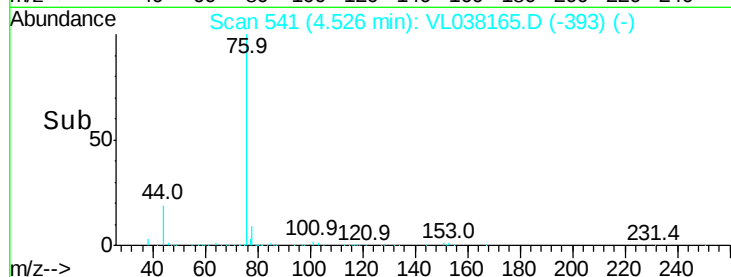
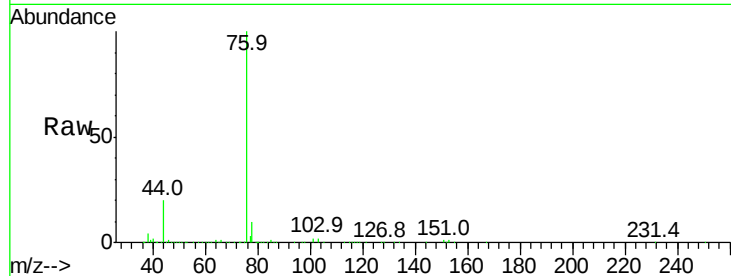
78 9.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#28

Methyl tert-Butyl Ether

Concen: 8.110 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.03 min

Lab File: VL038165.D

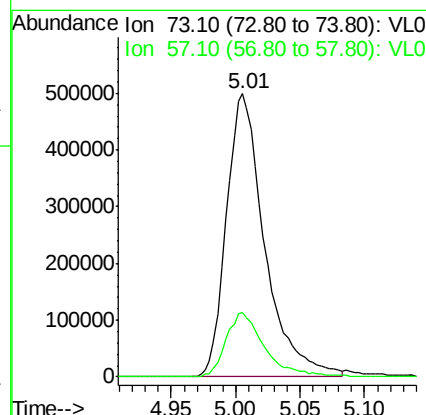
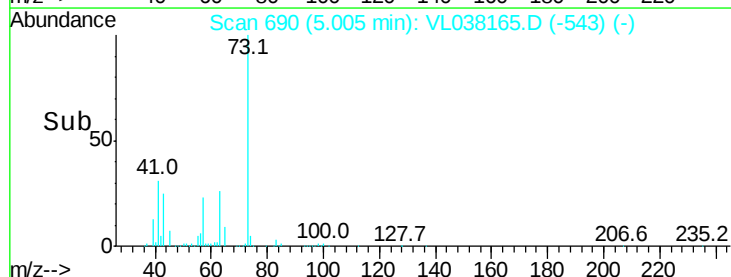
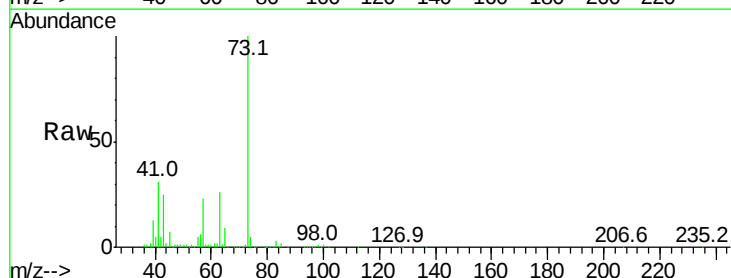
Acq: 14 Dec 2021 14:08

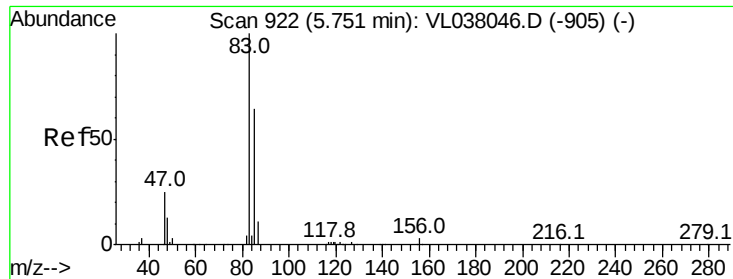
Tgt Ion: 73 Resp: 1027077

Ion Ratio Lower Upper

73 100

57 23.3 19.0 28.4



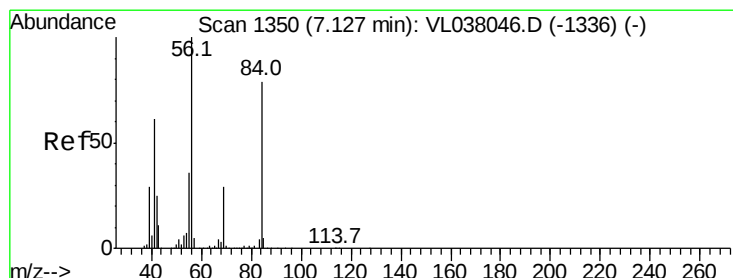
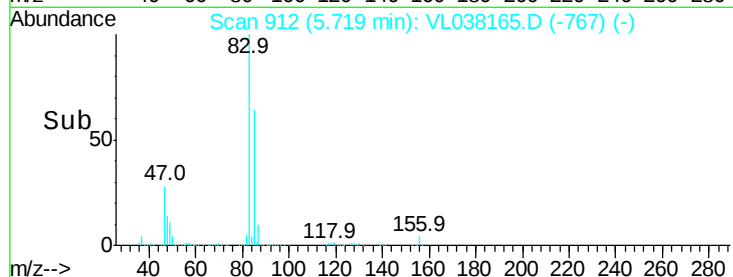
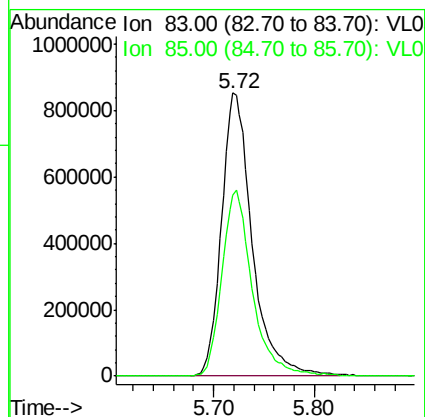
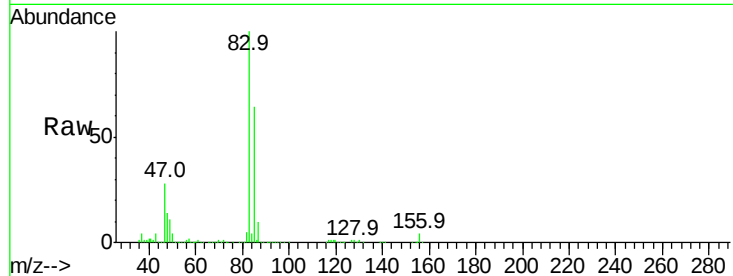


#29
Chloroform
Concen: 8.242 ppbv
RT: 5.72
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1214ABS01
Acq: 14 Dec 2021 14:08

Tot Ion:
Ion Ratio
83 100
85 63.

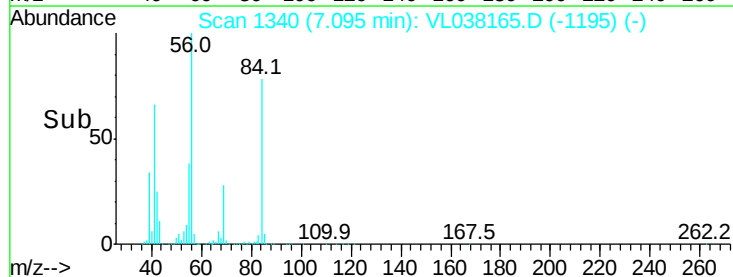
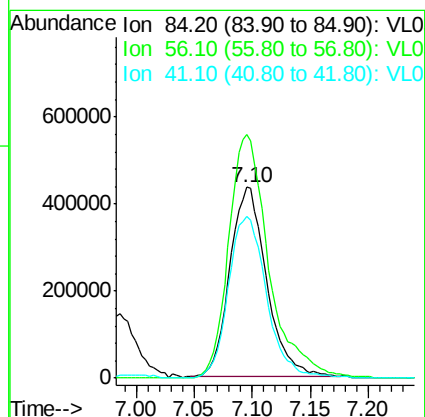
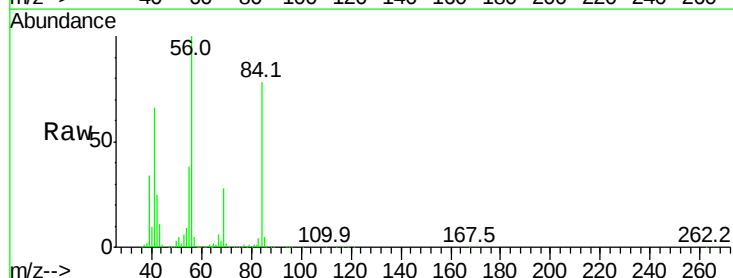
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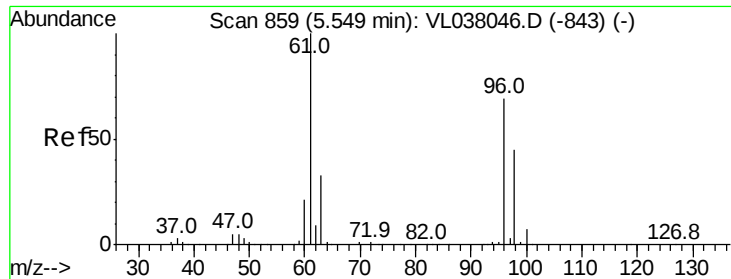
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#30
Cyclohexane
Concen: 7.100 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.03 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion: 84 Resp: 961053
Ion Ratio Lower Upper
84 100
56 140.6 108.1 162.1
41 88.8 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 7.792 ppbv

RT: 5.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 14:08 VL1214ABS01

Tot Ion:

Ion Ratio

61 100

96 64.

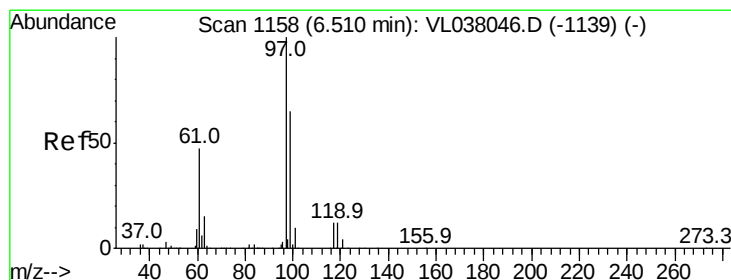
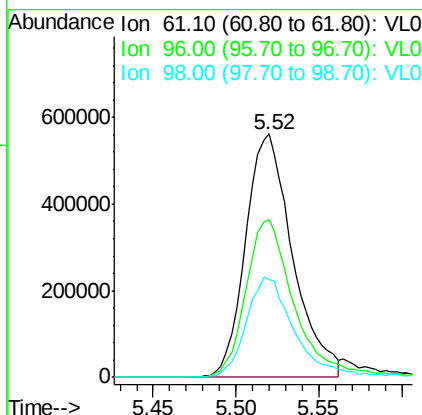
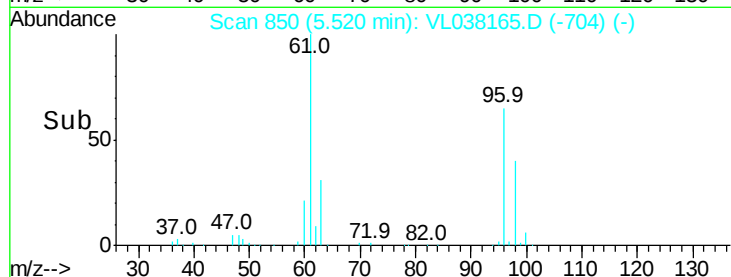
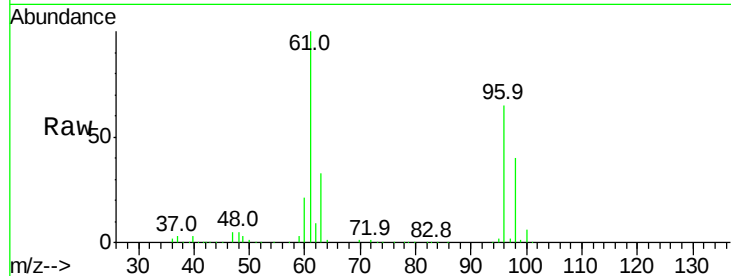
98 40.

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#32

1,1,1-Trichloroethane

Concen: 8.011 ppbv

RT: 6.48 min Scan# 1148

Delta R.T. -0.03 min

Lab File: VL038165.D

Acq: 14 Dec 2021 14:08

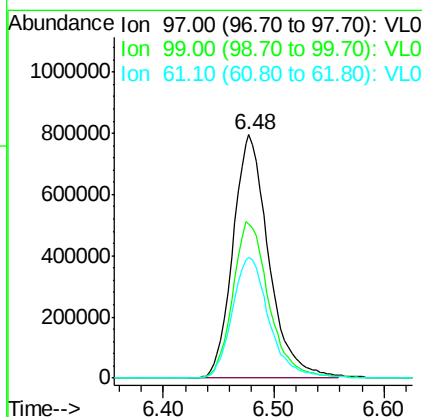
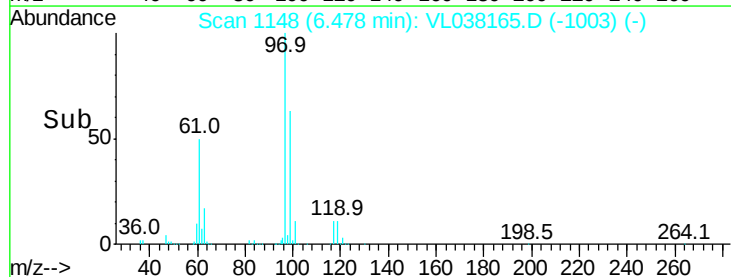
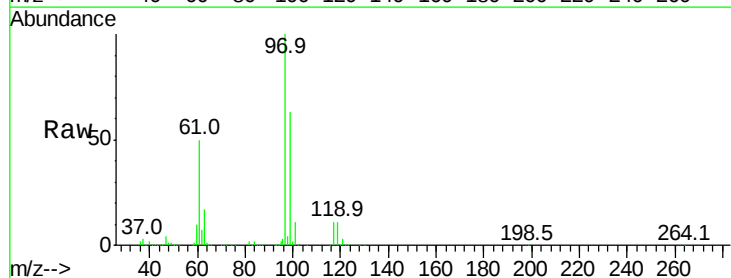
Tgt Ion: 97 Resp: 1786372

Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.4

61 51.6 37.7 56.5



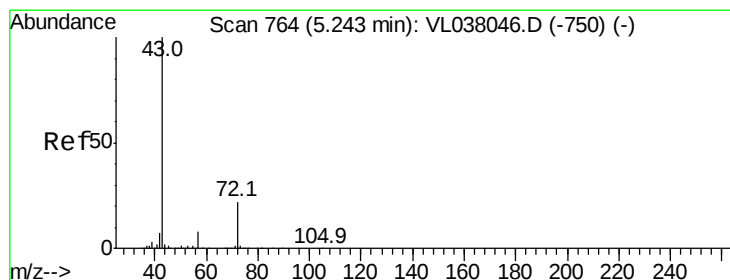
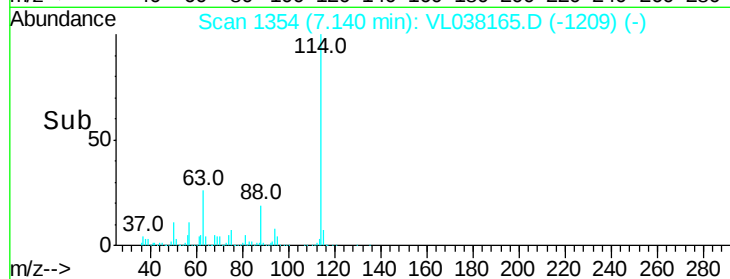
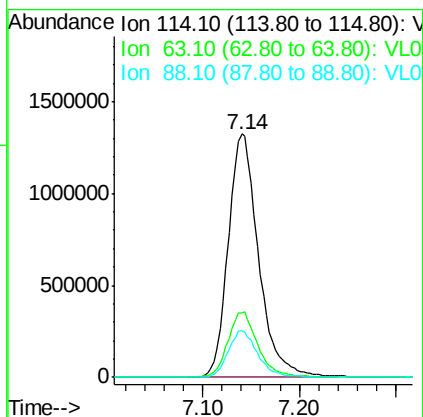
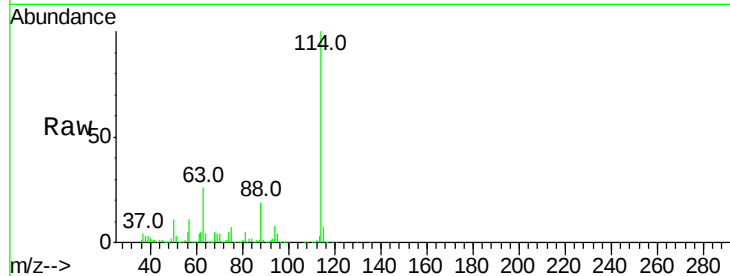


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId : VL1214ABS01
 Acq: 14 Dec 2021 14:08

Tot Ion: 1
 Ion Ratio
 114 100
 63 26.
 88 18.

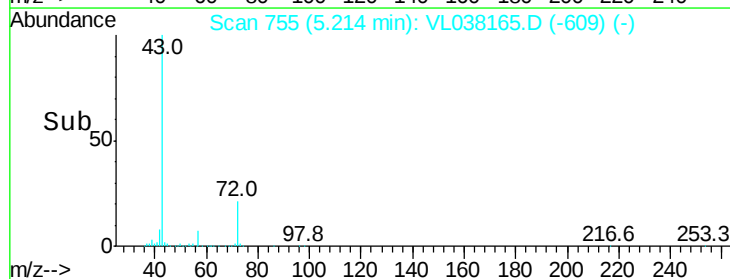
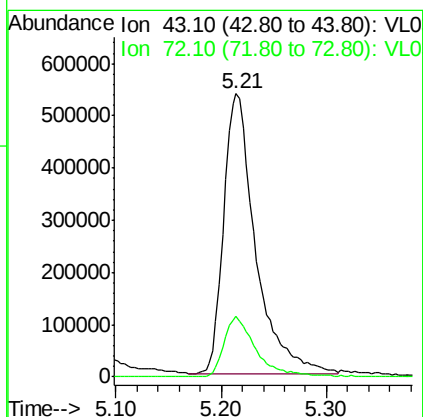
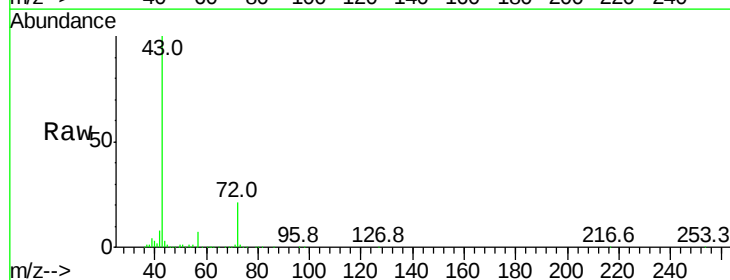
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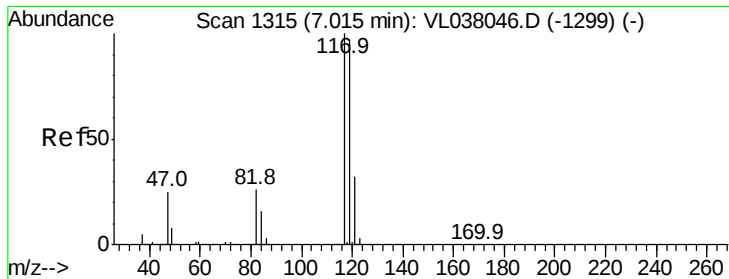
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#34
 2-Butanone
 Concen: 9.620 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.03 min
 Lab File: VL038165.D
 Acq: 14 Dec 2021 14:08

Tgt Ion: 43 Resp: 1120097
 Ion Ratio Lower Upper
 43 100
 72 21.7 18.8 28.2



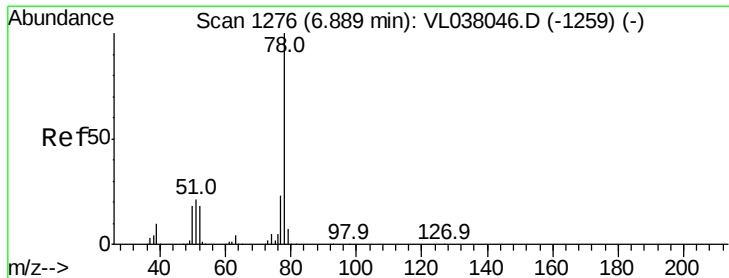
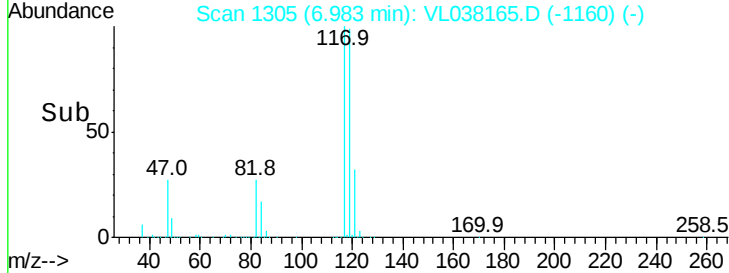
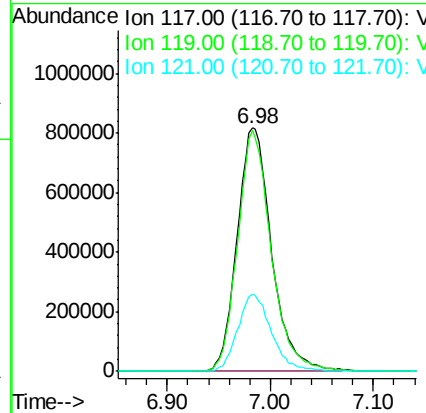
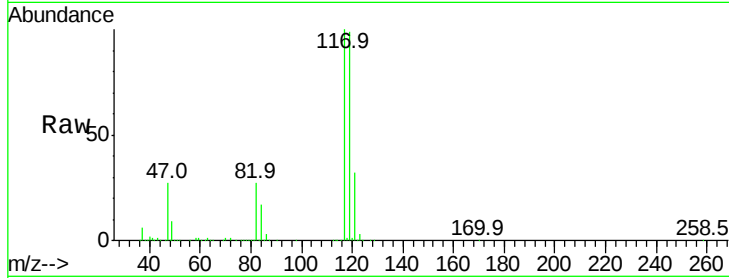


#35
Carbon Tetrachloride
Concen: 9.371 ppbv
RT: 6.98
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId : VL1214ABS01
Acq: 14 Dec 2021 14:08

Tot Ion:1
Ion Rati
117 100
119 99.
121 31.

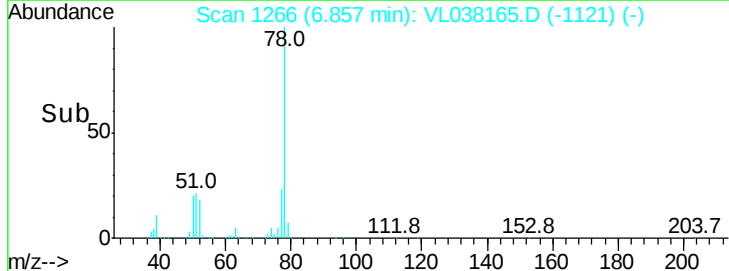
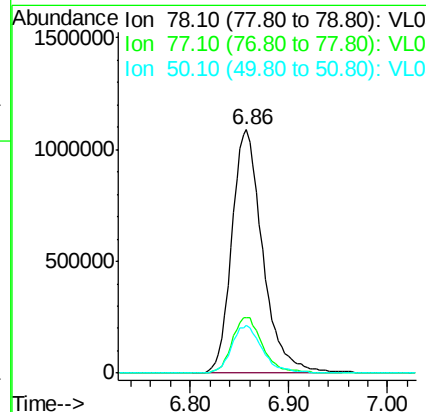
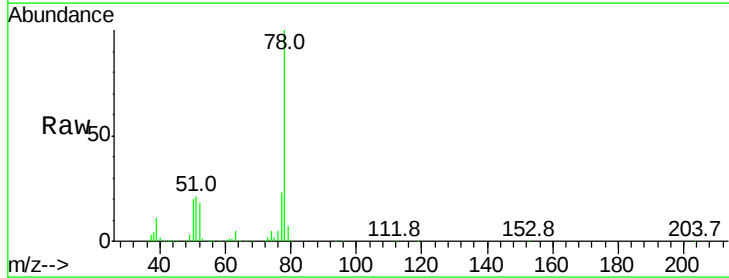
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APPROVED

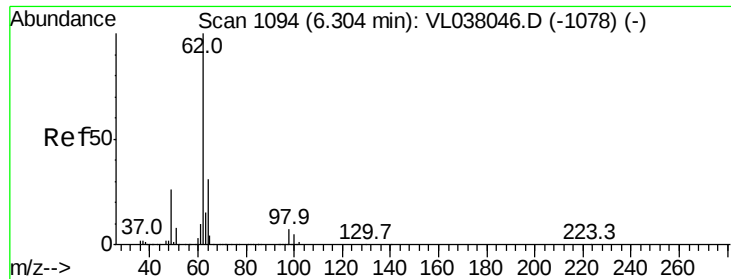
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#36
Benzene
Concen: 8.235 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.03 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion: 78 Resp: 2371912
Ion Ratio Lower Upper
78 100
77 23.0 18.2 27.4
50 19.5 14.7 22.1



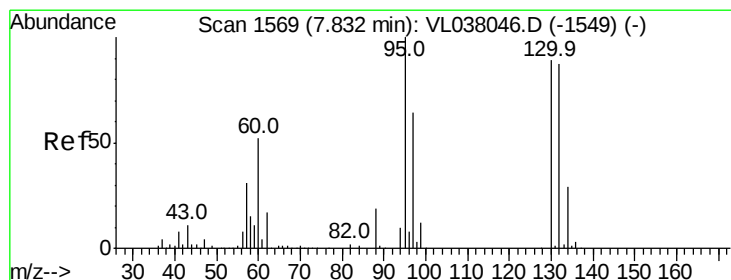
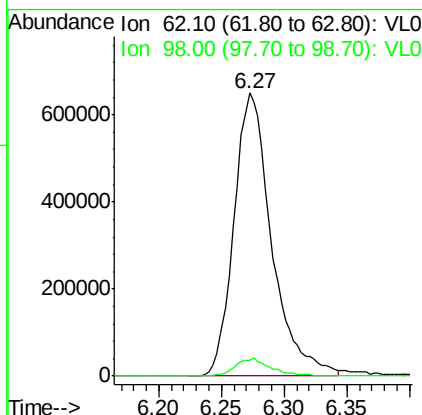
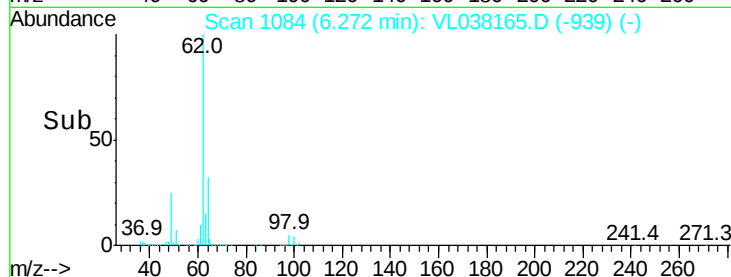
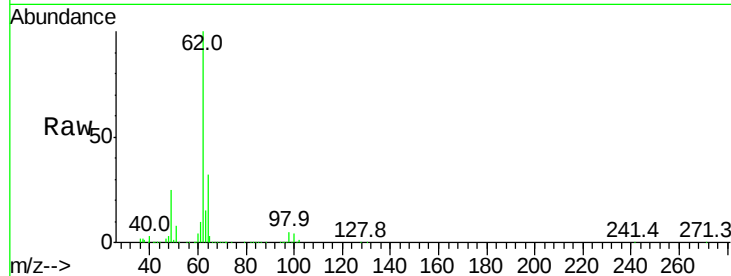


#37
 1,2-Dichloroethane
 Concen: 9.771 ppbv
 RT: 6.27
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL1214ABS01
 Acq: 14 Dec 2021 14:08

Tot Ion:
 Ion Ratio
 62 100
 98 6.

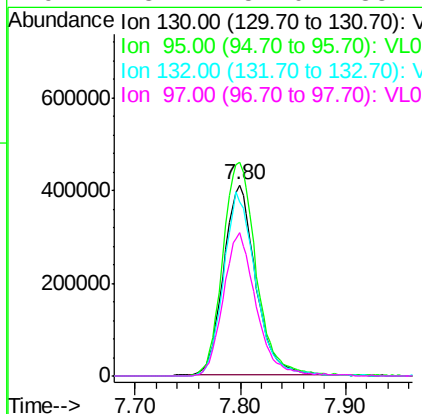
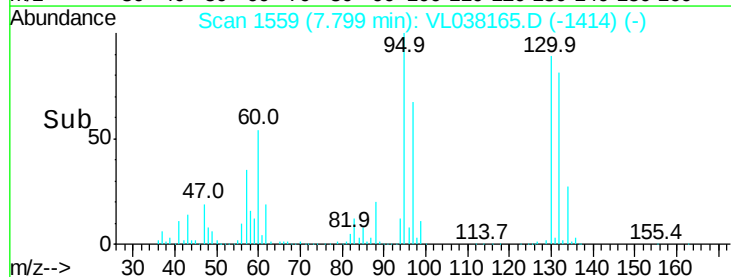
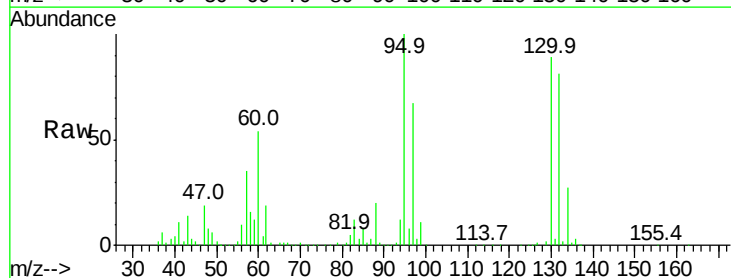
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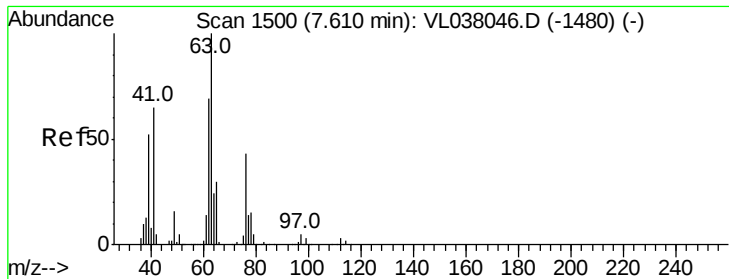
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#38
 Trichloroethene
 Concen: 7.925 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.03 min
 Lab File: VL038165.D
 Acq: 14 Dec 2021 14:08

Tgt Ion:130 Resp: 861061
 Ion Ratio Lower Upper
 130 100
 95 112.3 89.4 134.2
 132 91.4 78.2 117.2
 97 75.7 57.0 85.4



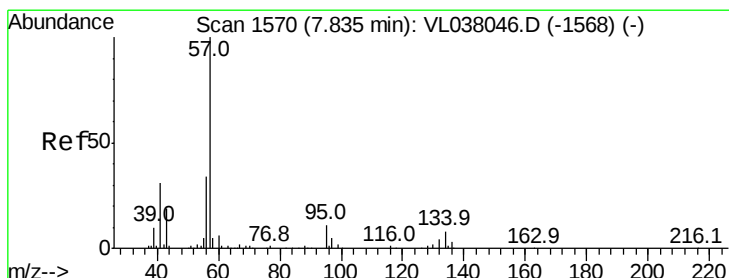
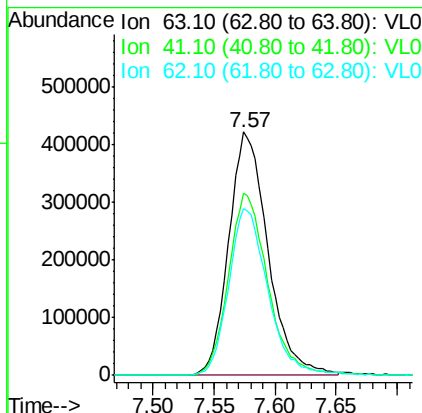
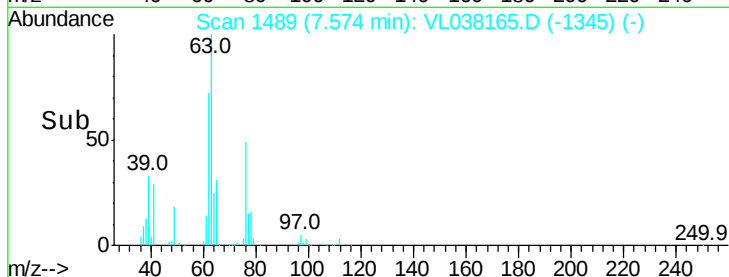
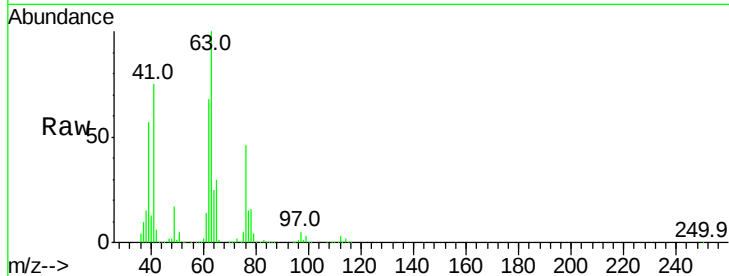


#39
 1,2-Dichloropropane
 Concen: 8.500 ppbv
 RT: 7.57
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL1214ABS01
 Acq: 14 Dec 2021 14:08

Tot Ion:
 Ion Ratio
 63 100
 41 74.
 62 68.

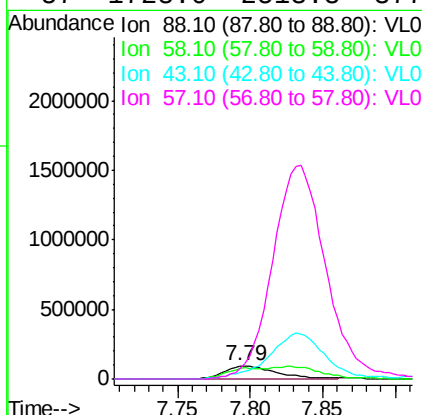
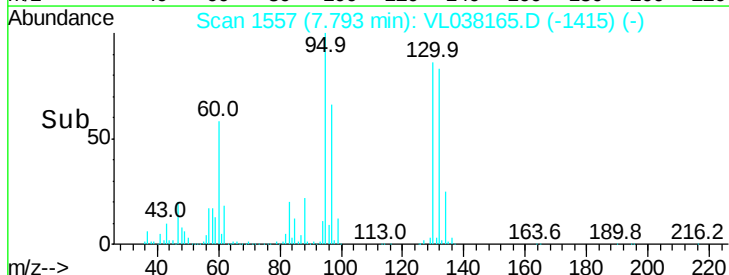
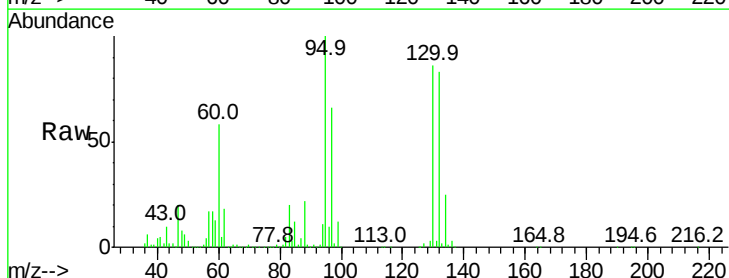
Manual Integrations
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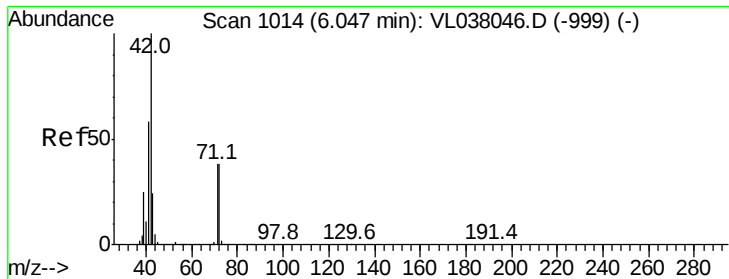
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#40
 1,4-Dioxane
 Concen: 7.957 ppbv
 RT: 7.79 min Scan# 1557
 Delta R.T. -0.04 min
 Lab File: VL038165.D
 Acq: 14 Dec 2021 14:08

Tgt Ion: 88 Resp: 229056
 Ion Ratio Lower Upper
 88 100
 58 160.5 229.2 343.8#
 43 396.1 553.3 829.9#
 57 1728.0 2513.8 3770.8#



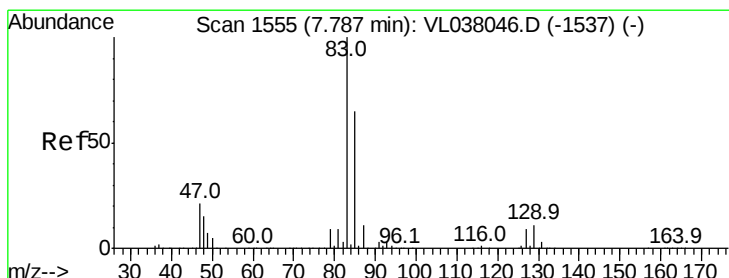
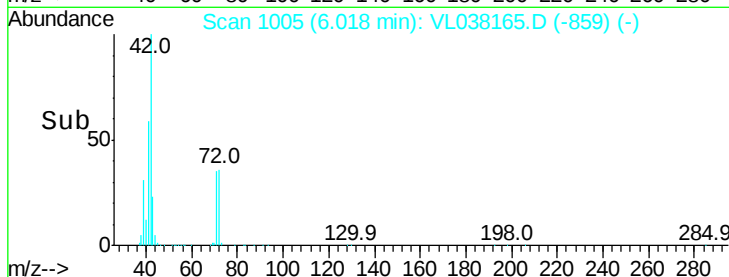
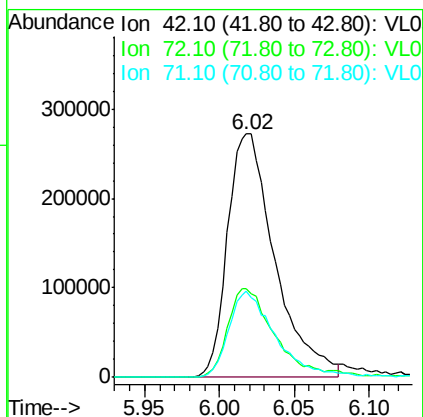
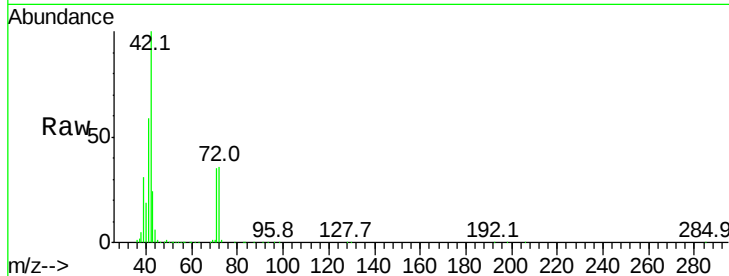


#41
Tetrahydrofuran
Concen: 8.286 ppbv
RT: 6.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1214ABS01
Acq: 14 Dec 2021 14:08

Tot Ion:
Ion Ratio
42 100
72 36.
71 35.

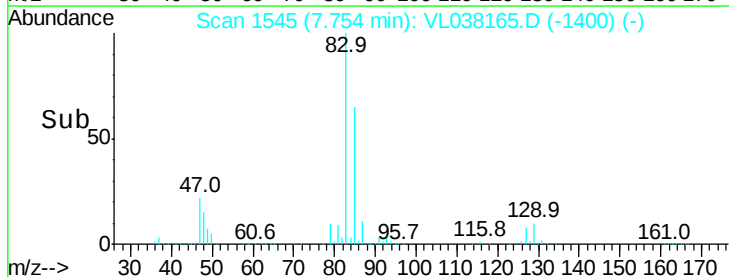
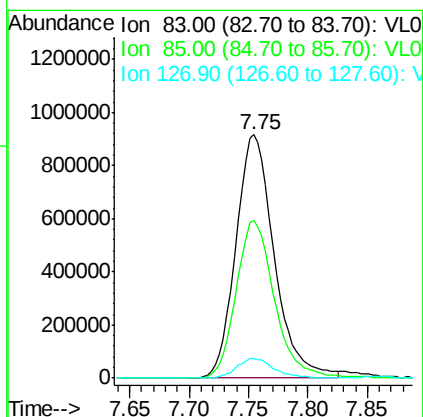
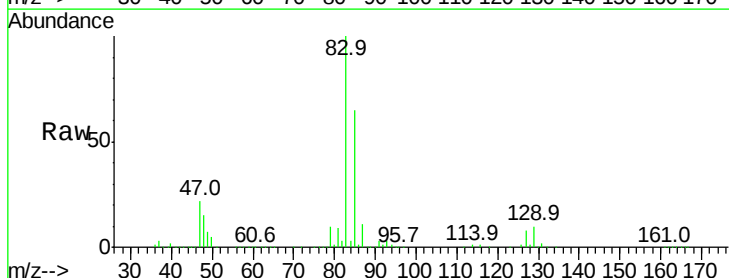
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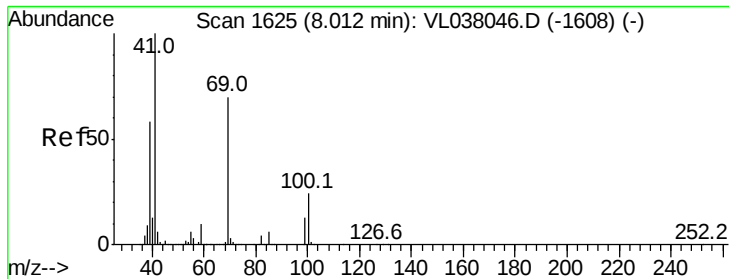
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#42
Bromodichloromethane
Concen: 9.704 ppbv
RT: 7.75 min Scan# 1545
Delta R.T. -0.03 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion: 83 Resp: 2052193
Ion Ratio Lower Upper
83 100
85 65.0 51.9 77.9
127 7.9 6.8 10.2



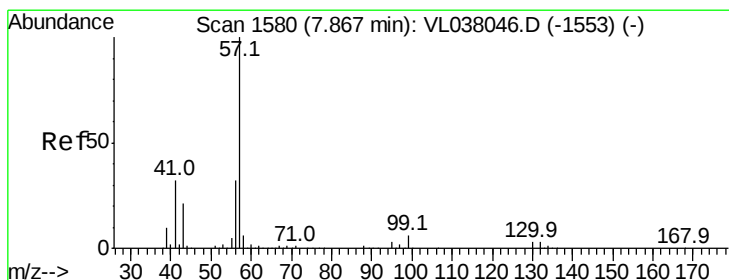
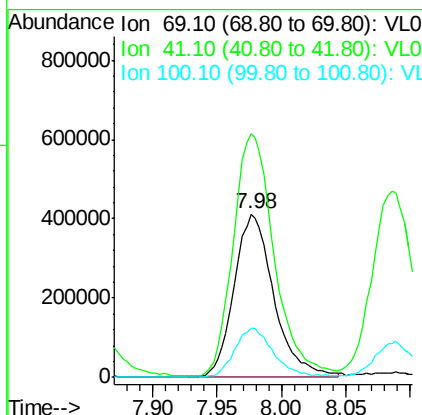
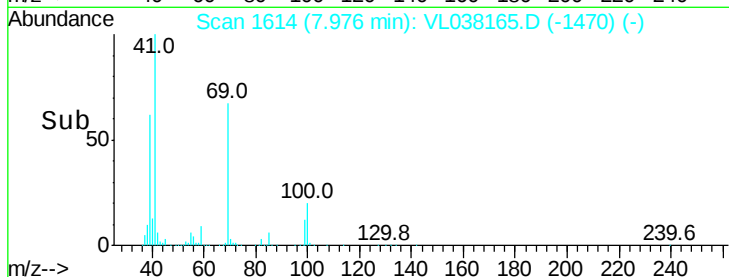
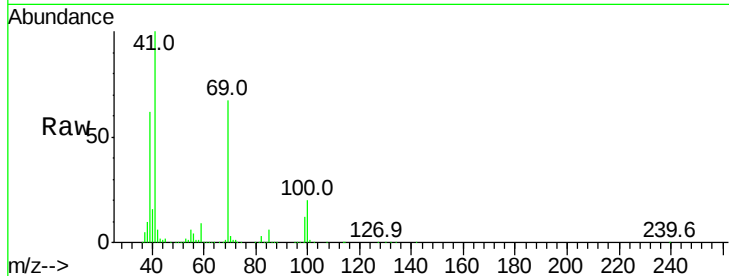


#43
Methyl Methacrylate
Concen: 8.984 ppbv
RT: 7.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 14:08

Tot Ion:
Ion Ratio
69 100
41 154.
100 29.

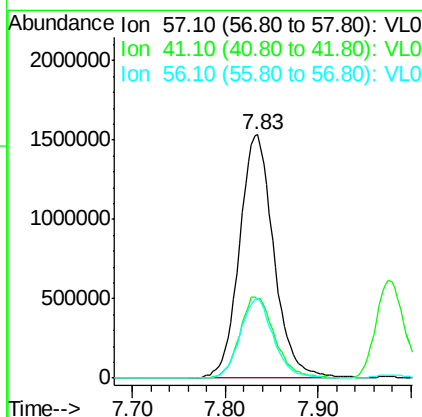
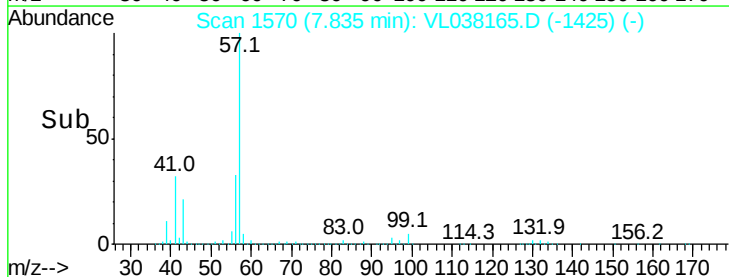
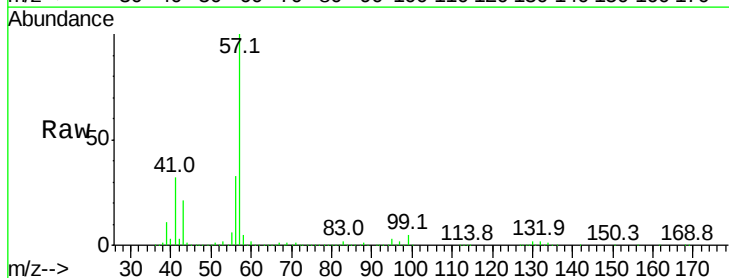
Manual Integrations
APPROVED

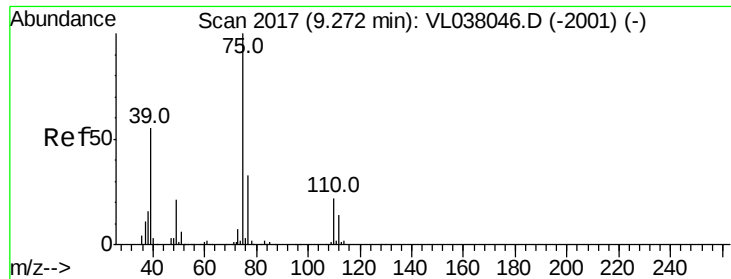
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#44
2,2,4-Trimethylpentane
Concen: 8.175 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.03 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion: 57 Resp: 3939412
Ion Ratio Lower Upper
57 100
41 34.0 25.8 38.6
56 31.8 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 10.741 ppbv

RT: 9.24 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08 VL1214ABS01

Tot Ion:

Ion Ratio

75 100

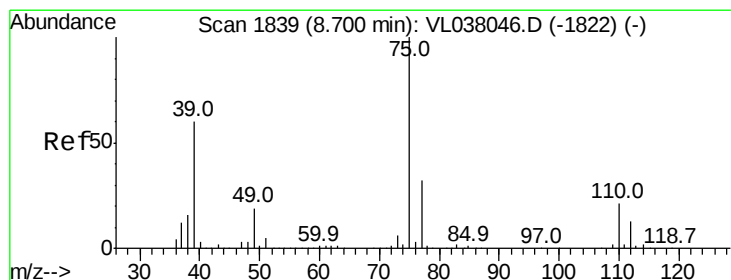
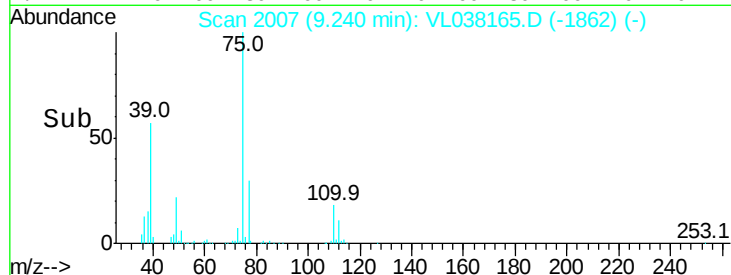
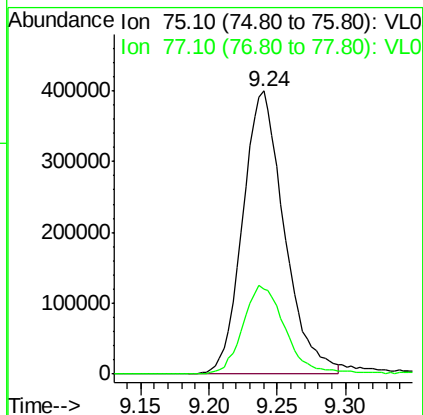
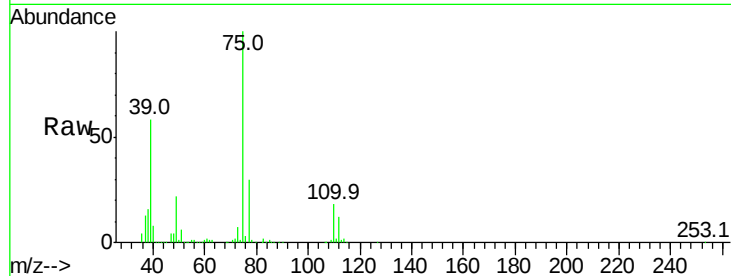
77 30.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#46

cis-1,3-Dichloropropene

Concen: 9.890 ppbv

RT: 8.66 min Scan# 1827

Delta R.T. -0.04 min

Lab File: VL038165.D

Acq: 14 Dec 2021 14:08

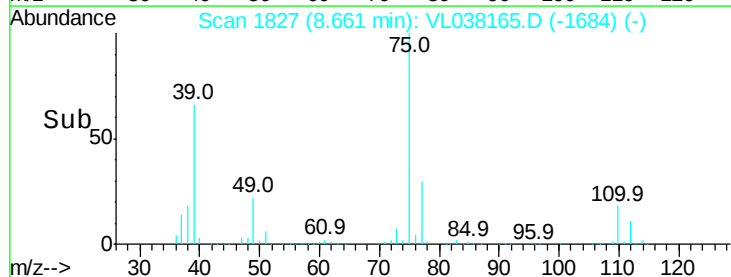
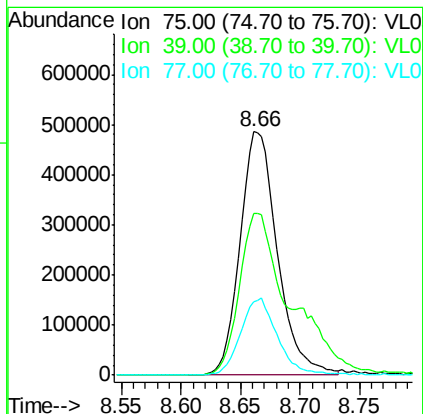
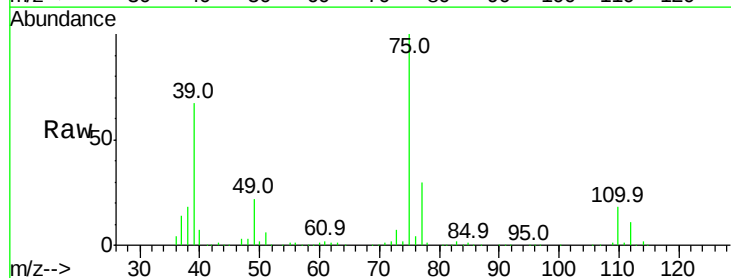
Tgt Ion: 75 Resp: 1057398

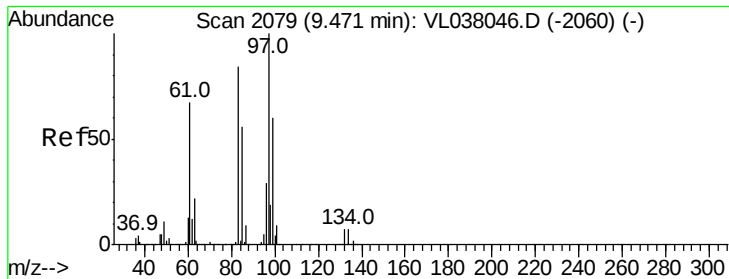
Ion Ratio Lower Upper

75 100

39 66.6 47.8 71.8

77 30.3 25.5 38.3



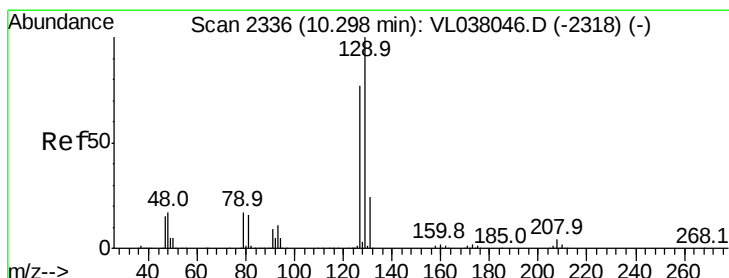
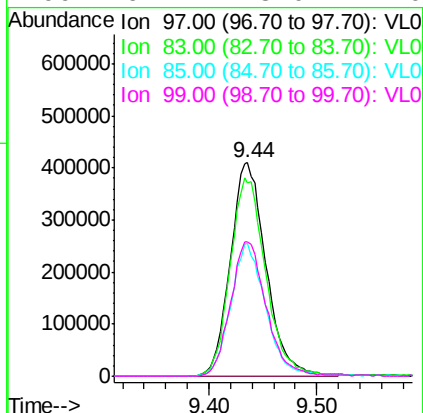
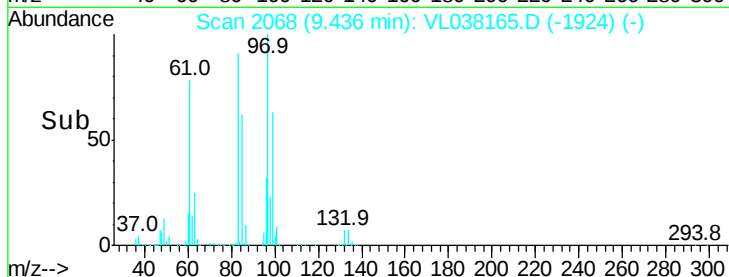
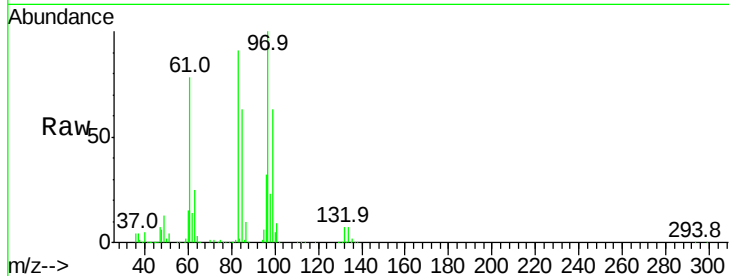


#47
 1,1,2-Trichloroethane
 Concen: 8.159 ppbv
 RT: 9.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1214ABS01
 Acq: 14 Dec 2021 14:08

Tot Ion:
 Ion Ratio
 97 100
 83 90.
 85 62.
 99 62.7 48.0 72.0

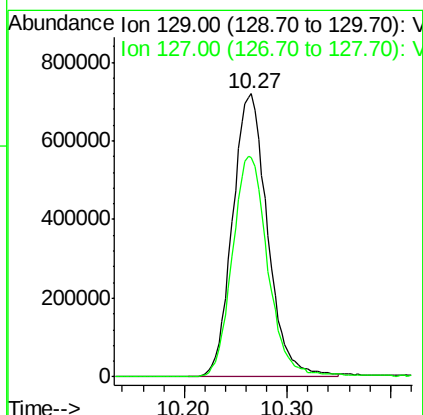
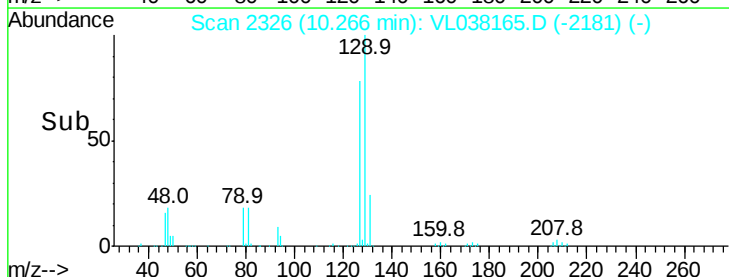
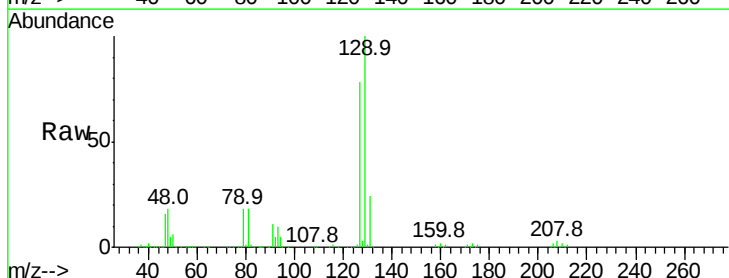
Manual Integrations
 APPROVED

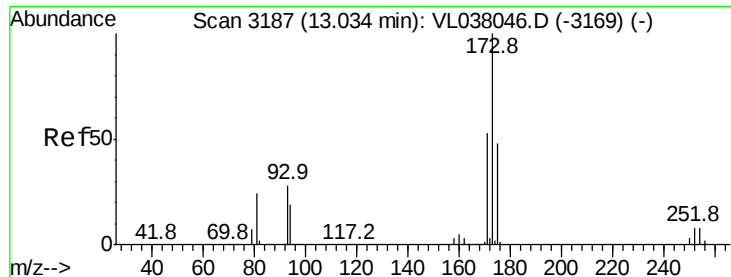
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#48
 Dibromochloromethane
 Concen: 9.662 ppbv
 RT: 10.27 min Scan# 2326
 Delta R.T. -0.03 min
 Lab File: VL038165.D
 Acq: 14 Dec 2021 14:08

Tgt Ion:129 Resp: 1702663
 Ion Ratio Lower Upper
 129 100
 127 80.3 39.4 118.1





#49

Bromoform

Concen: 10.628 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08

Tot Ion:1

Ion Ratio

173 100

175 50.

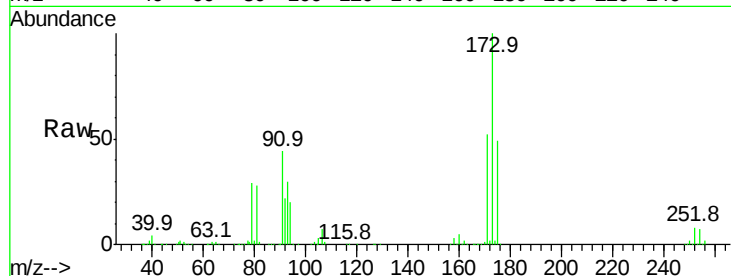
171 53.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

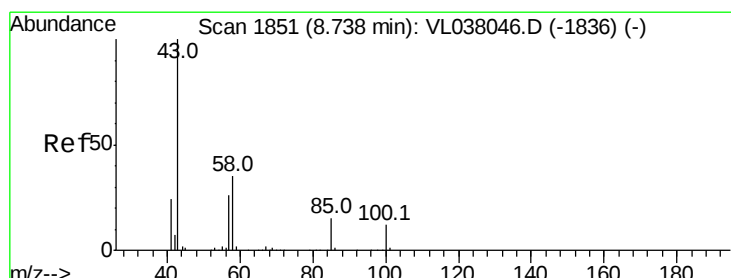
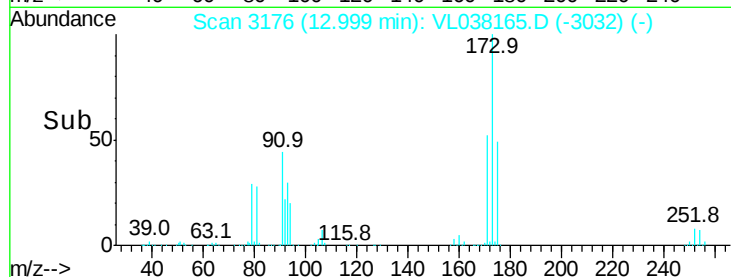
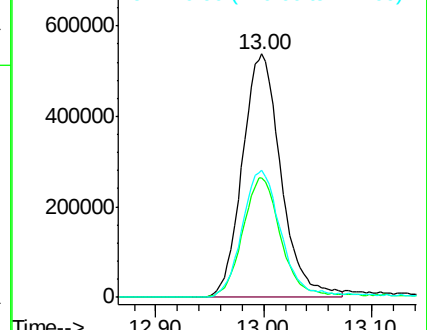
Supervised By :Semsettin Yesilyurt 12/16/2021



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: 9.639 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VL038165.D

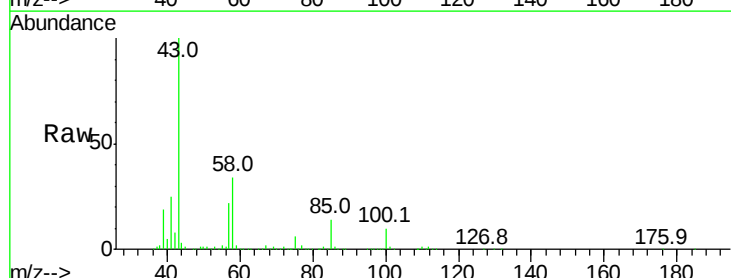
Acq: 14 Dec 2021 14:08

Tgt Ion: 43 Resp: 1704416

Ion Ratio Lower Upper

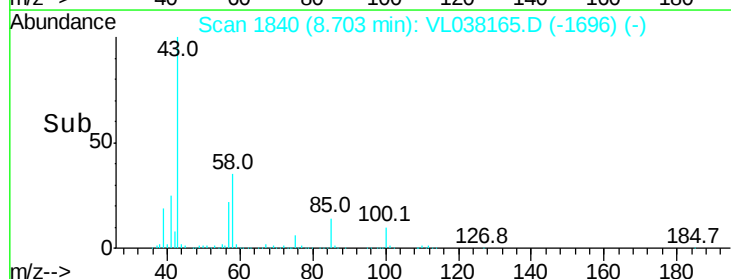
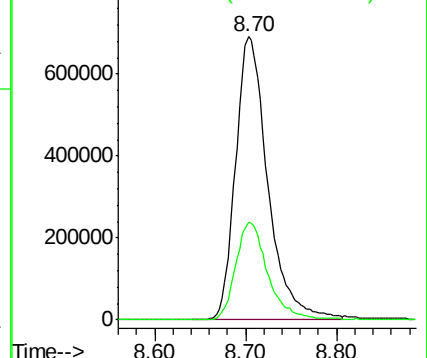
43 100

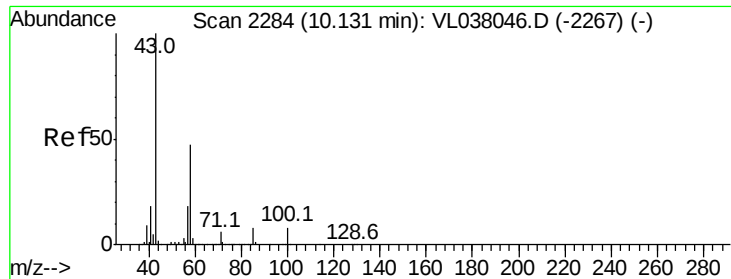
58 34.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.955 ppbv

RT: 10.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08

Tot Ion:

Ion Ratio

43 100

58 47.

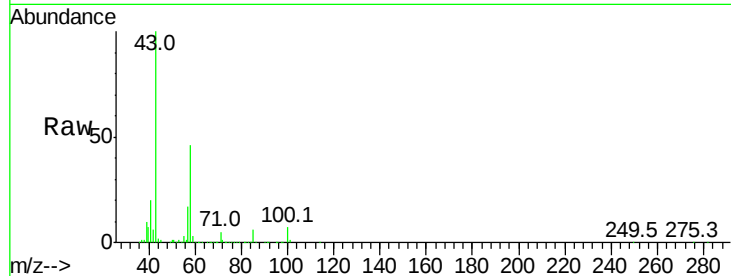
98 0.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

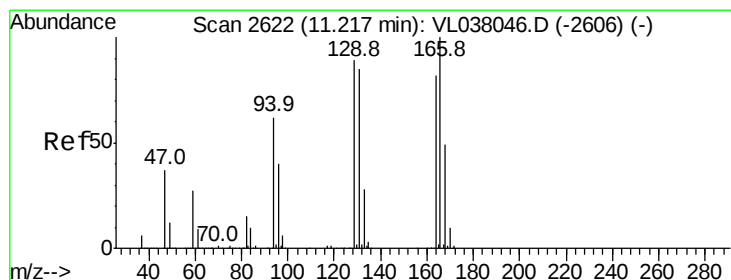
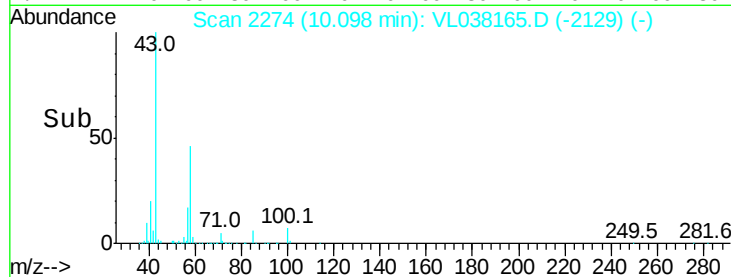
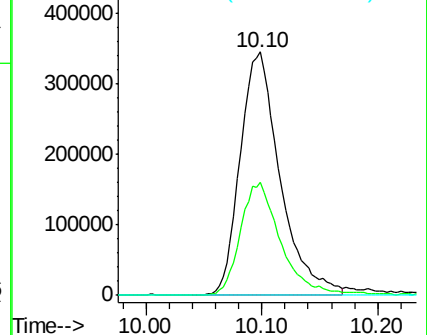
Supervised By :Semsettin Yesilyurt 12/16/2021



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: 7.324 ppbv

RT: 11.18 min Scan# 2611

Delta R.T. -0.04 min

Lab File: VL038165.D

Acq: 14 Dec 2021 14:08

Tgt Ion:164 Resp: 780601

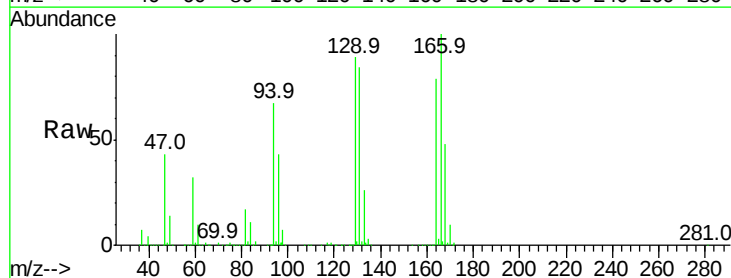
Ion Ratio Lower Upper

164 100

166 126.0 97.2 145.8

129 112.4 86.9 130.3

131 106.1 82.8 124.2

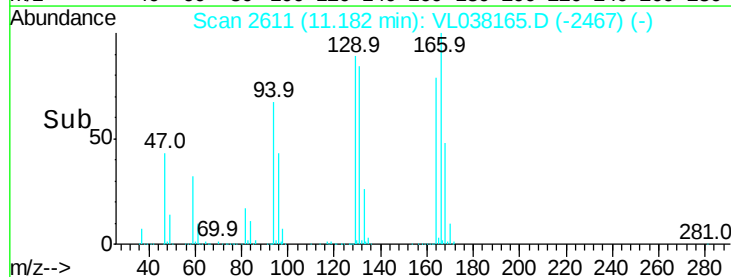
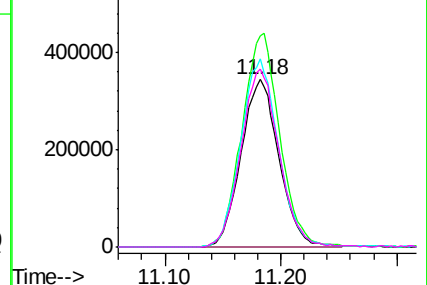


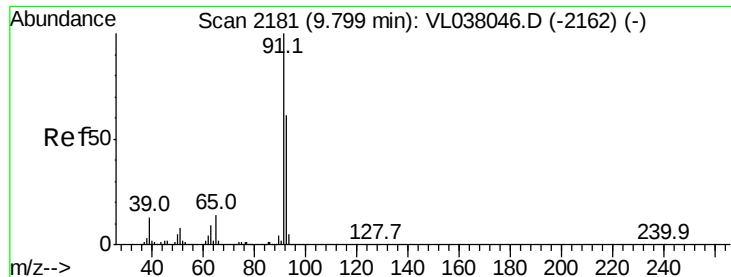
Abundance Ion 163.90 (163.60 to 164.60): V

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: 8.079 ppbv

RT: 9.77

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 14:08

Tot Ion:

Ion Ratio

91 100

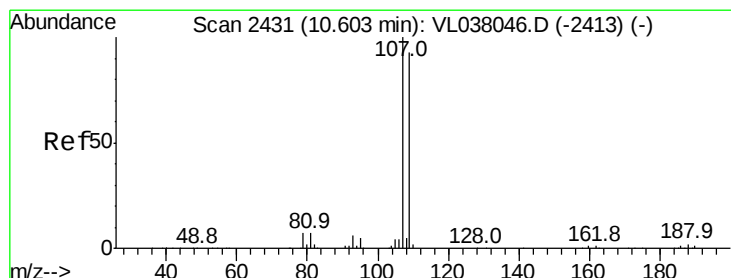
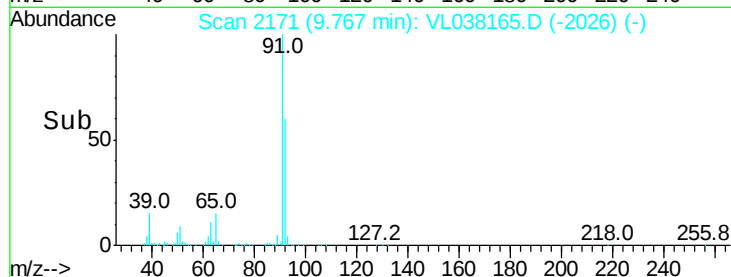
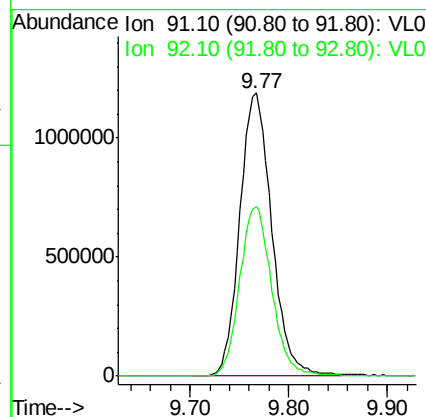
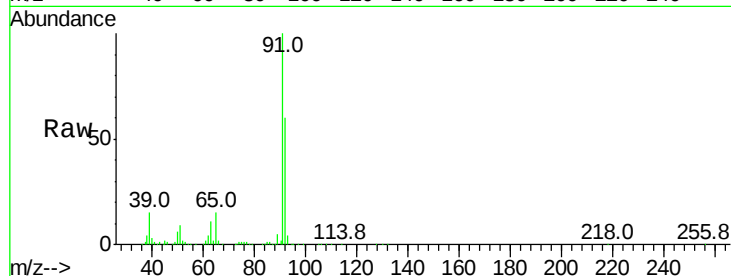
92 60.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#54

1,2-Dibromoethane

Concen: 8.688 ppbv

RT: 10.57 min Scan# 2420

Delta R.T. -0.04 min

Lab File: VL038165.D

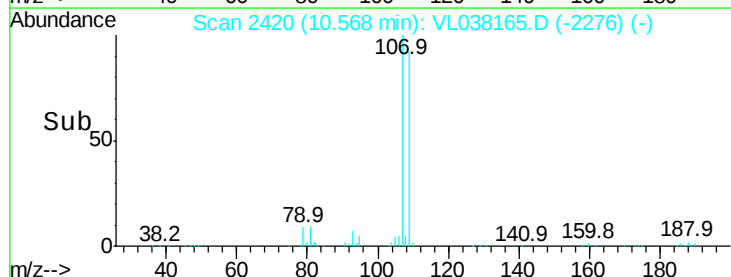
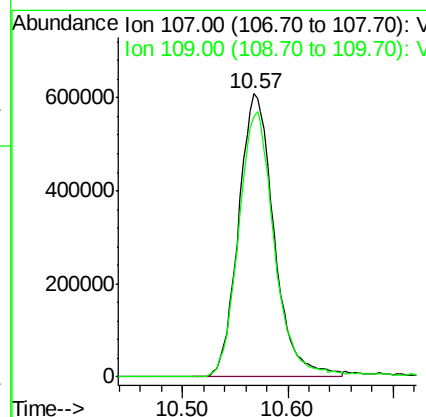
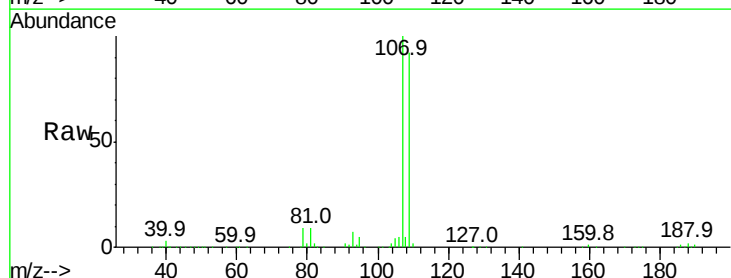
Acq: 14 Dec 2021 14:08

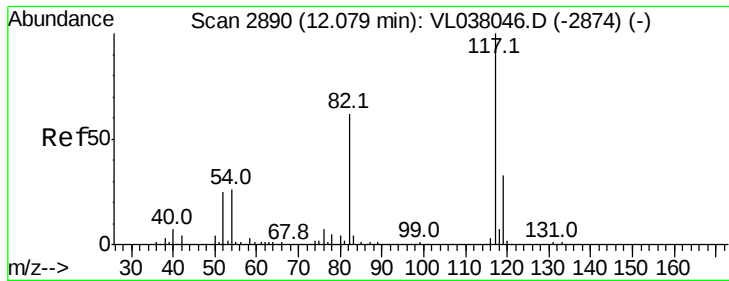
Tgt Ion:107 Resp: 1420158

Ion Ratio Lower Upper

107 100

109 92.1 74.6 111.8



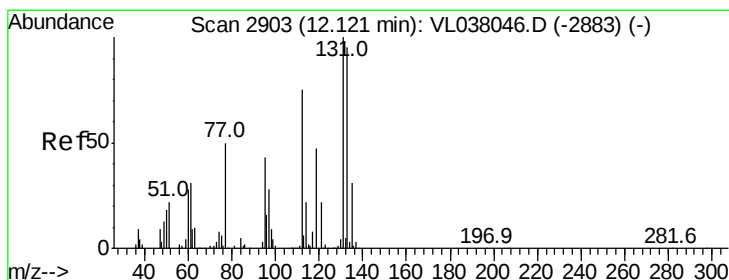
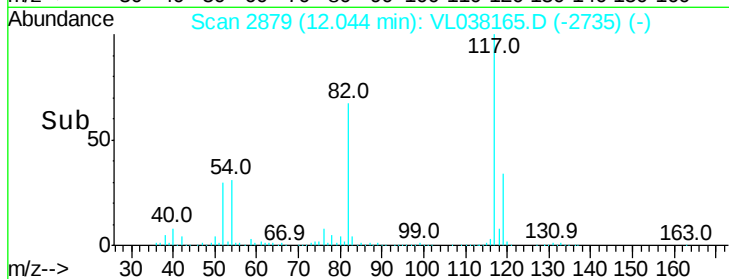
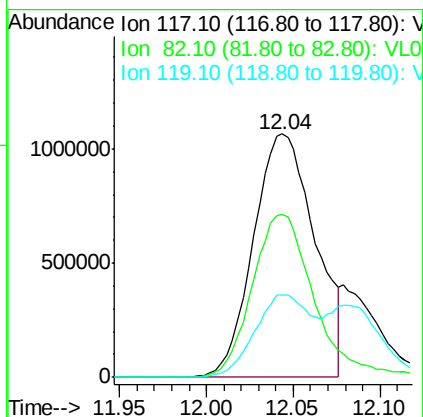
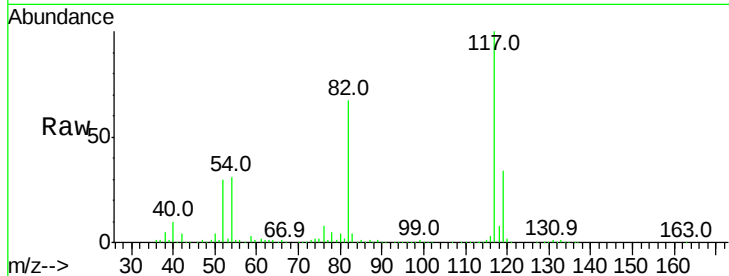


#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.04 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 14:08

Tot Ion:1
Ion Ratio
117 100
82 70.
119 31.

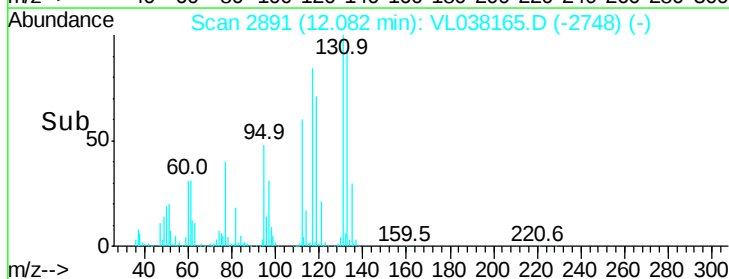
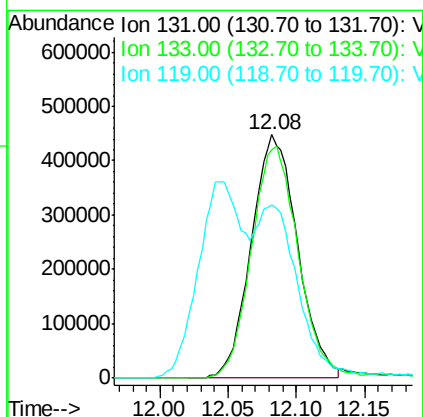
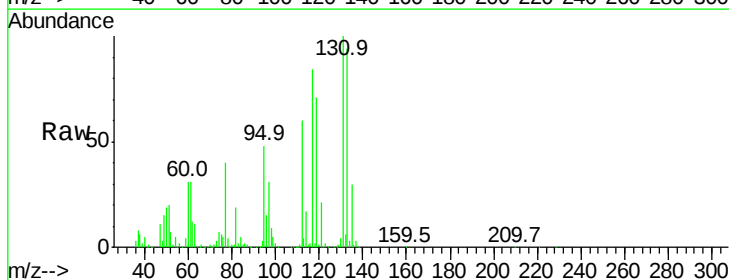
Manual Integrations
APPROVED

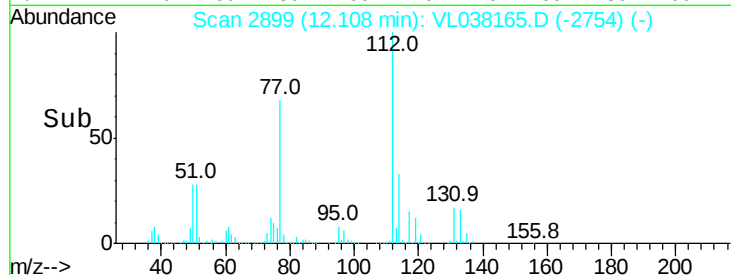
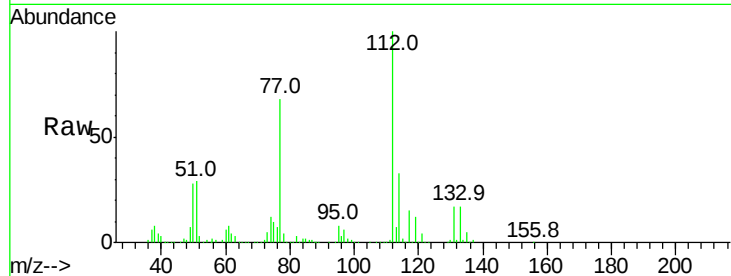
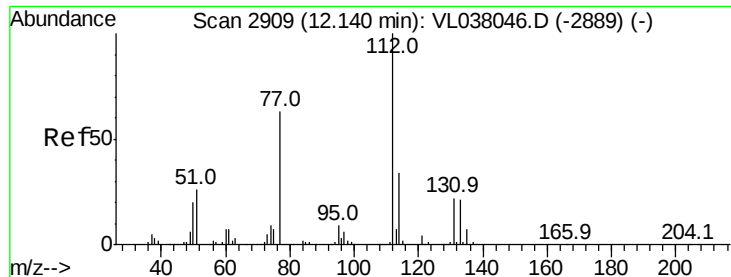
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 8.803 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.04 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion:131 Resp: 1051770
Ion Ratio Lower Upper
131 100
133 99.7 78.8 118.2
119 61.7 56.3 84.5



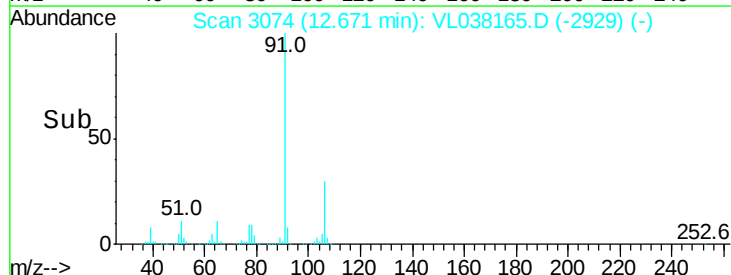
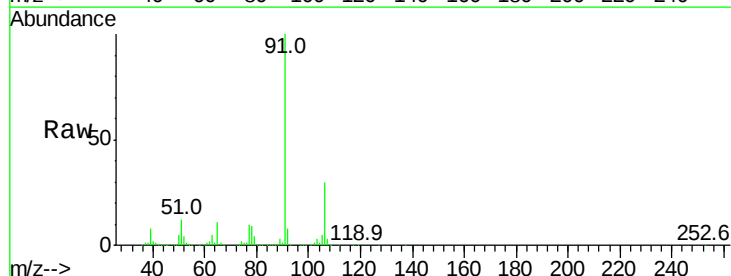
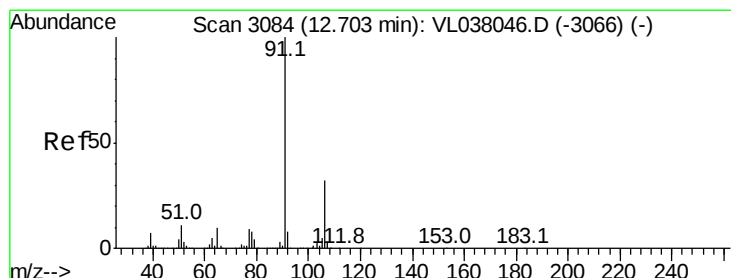
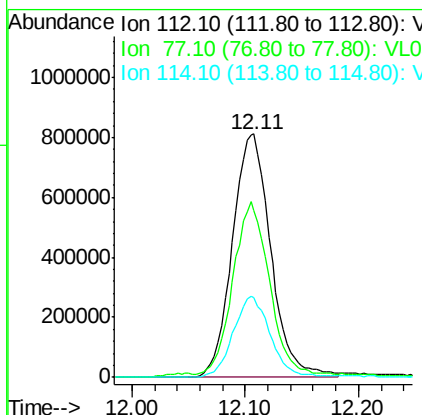


#57
Chlorobenzene
Concen: 8.128 ppbv
RT: 12.11 min
Instrument: MSVOA_1
Delta R.T.: -0.03 min
Lab File: VL1214ABS01
Acq: 14 Dec 2021 14:08

Tot Ion: 1
Ion Ratio
112 100
77 66.
114 32.

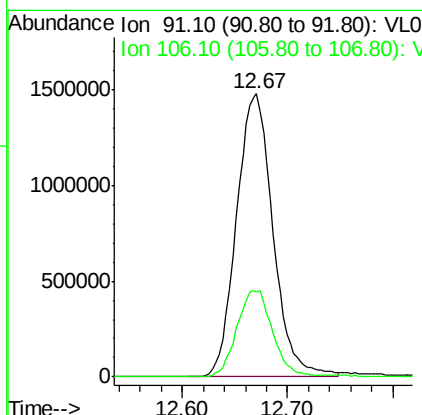
Manual Integrations
APPROVED

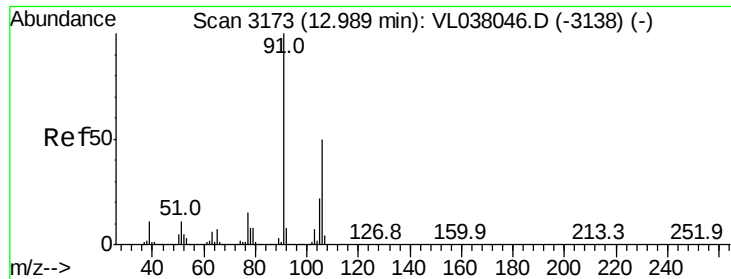
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#58
Ethyl Benzene
Concen: 8.169 ppbv
RT: 12.67 min Scan# 3074
Delta R.T.: -0.03 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion: 91 Resp: 3553461
Ion Ratio Lower Upper
91 100
106 30.2 25.8 38.6



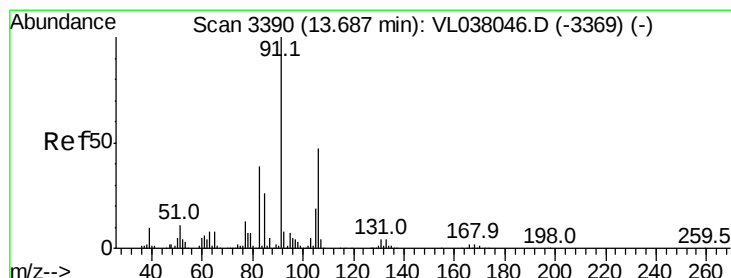
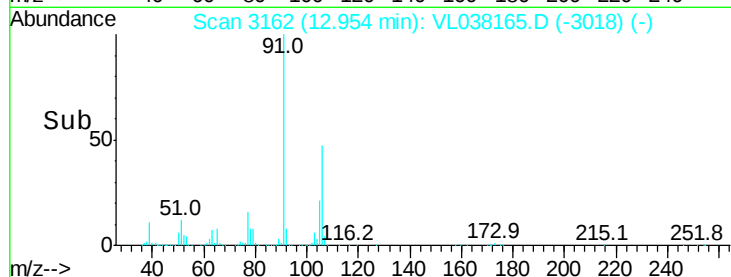
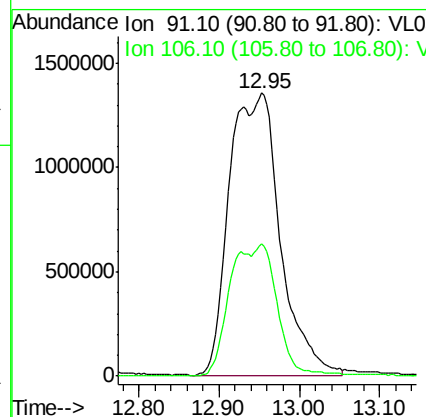
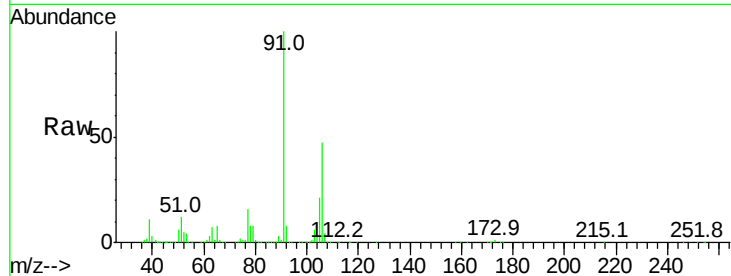


#59
m/p-Xylene
Concen: 16.358 ppbv m
RT: 12.95
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 14:08

Tot Ion:
Ion Ratio
91 100
106 43.

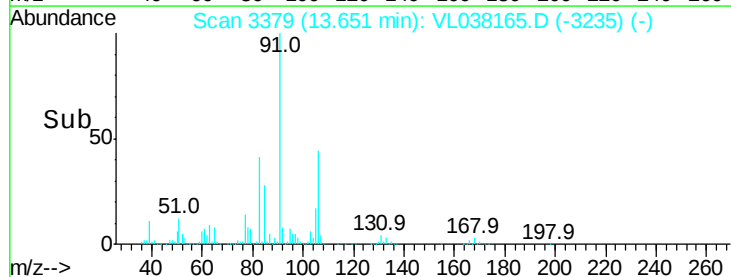
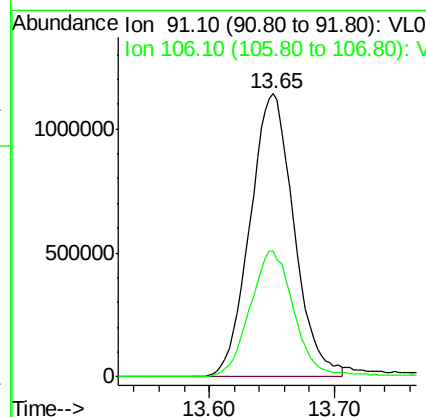
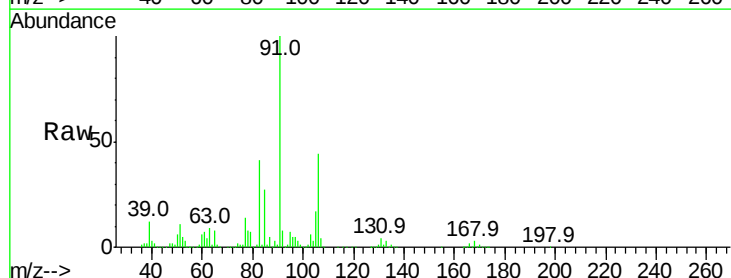
Manual Integrations
APPROVED

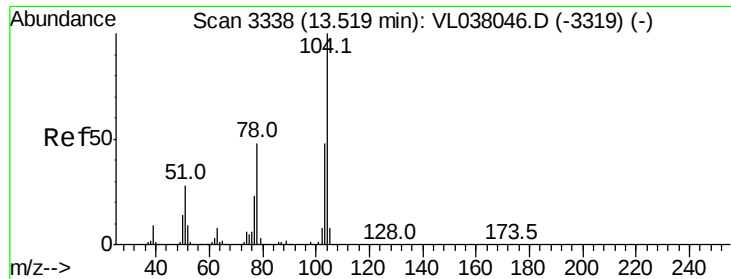
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#60
o-Xylene
Concen: 8.177 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.04 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion: 91 Resp: 2777594
Ion Ratio Lower Upper
91 100
106 45.9 24.2 72.6



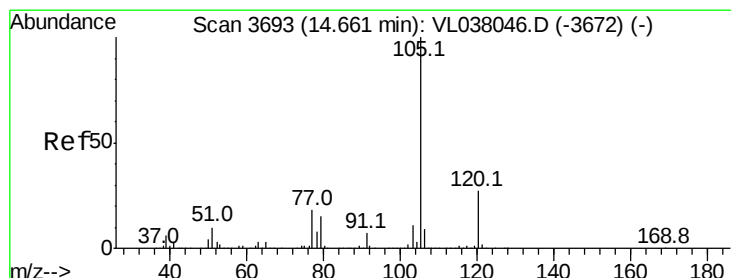
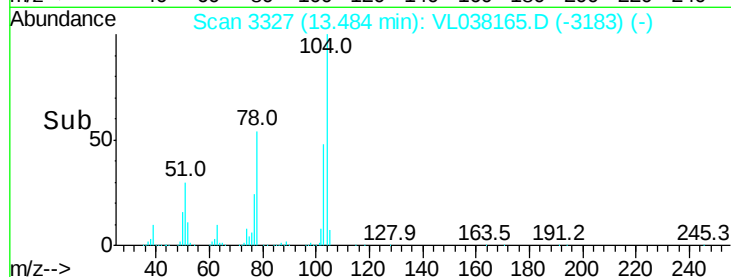
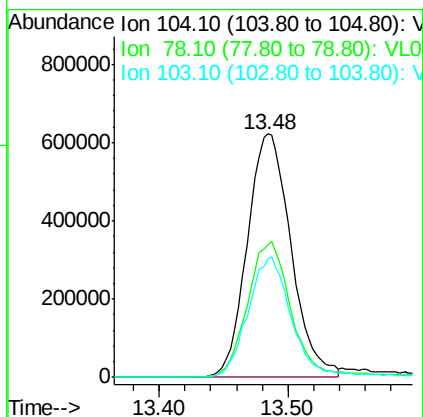
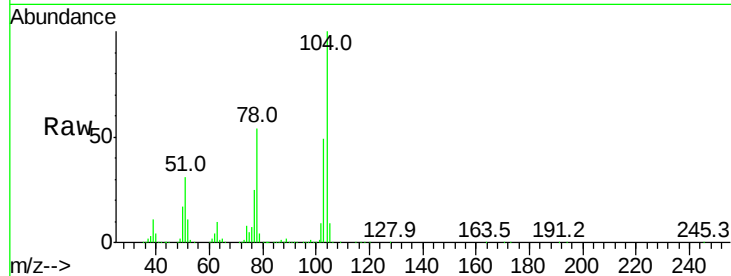


#61
Stvrene
Concen: 8.080 ppbv
RT: 13.48 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId : VL1214ABS01
Acq: 14 Dec 2021 14:08

Tot Ion:1
Ion Ratio
104 100
78 56.
103 49.

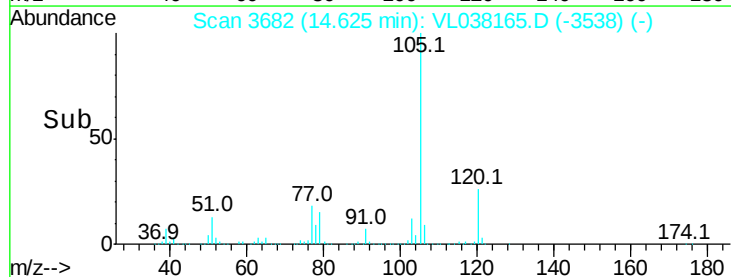
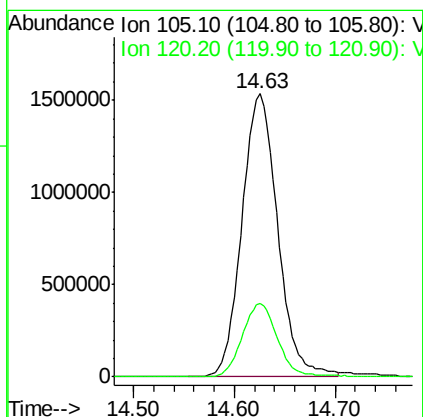
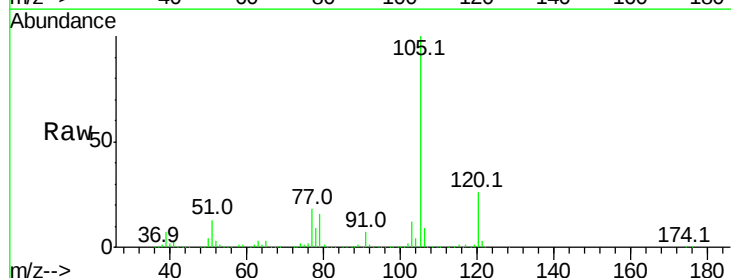
Manual Integrations
APPROVED

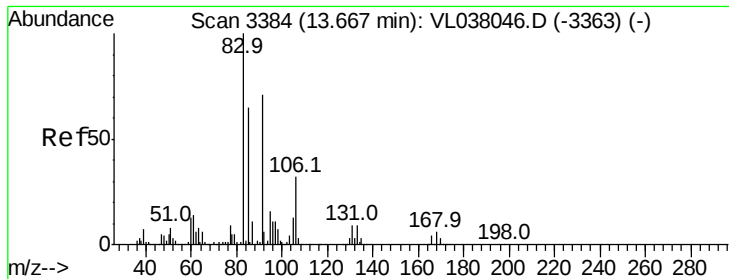
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#62
Isopropylbenzene
Concen: 7.821 ppbv
RT: 14.63 min Scan# 3682
Delta R.T.: -0.04 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion:105 Resp: 3771285
Ion Ratio Lower Upper
105 100
120 26.0 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 8.373 ppbv

RT: 13.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08

Tot Ion:

Ion Ratio

83 100

131 9.

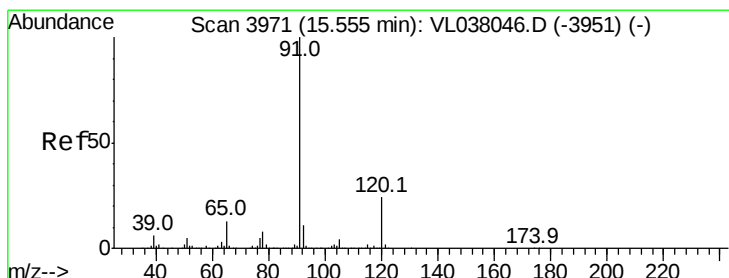
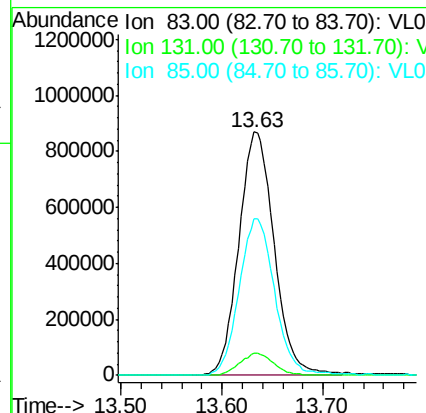
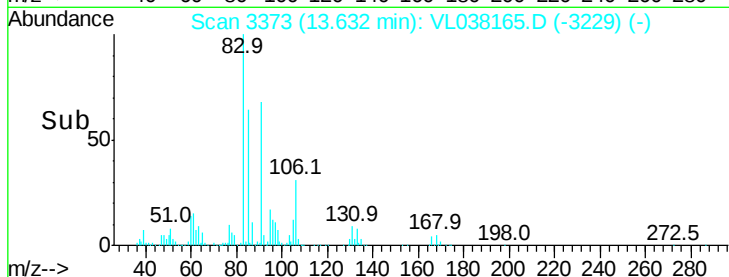
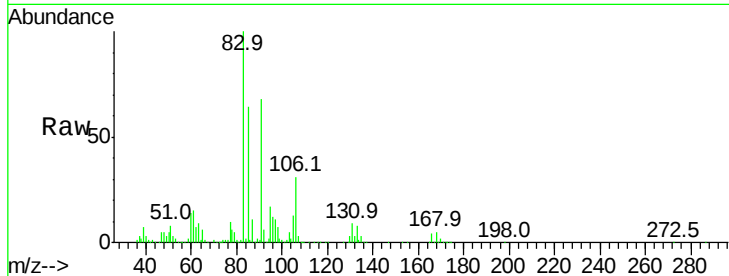
85 65.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#64

n-propylbenzene

Concen: 8.053 ppbv

RT: 15.52 min Scan# 3960

Delta R.T. -0.04 min

Lab File: VL038165.D

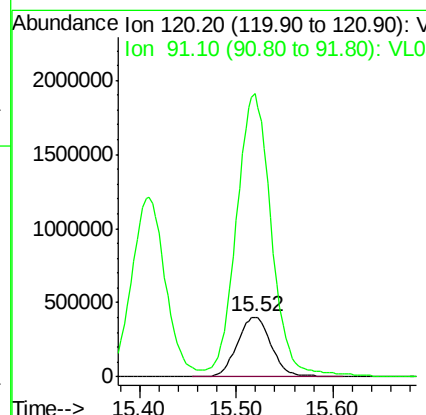
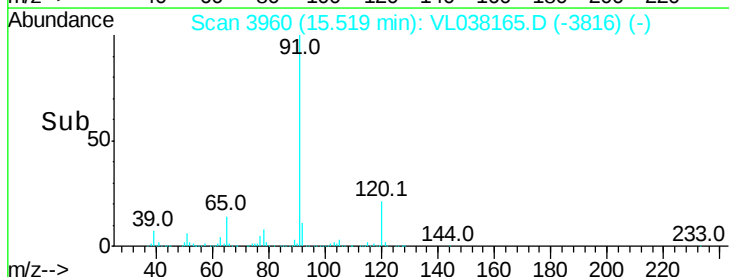
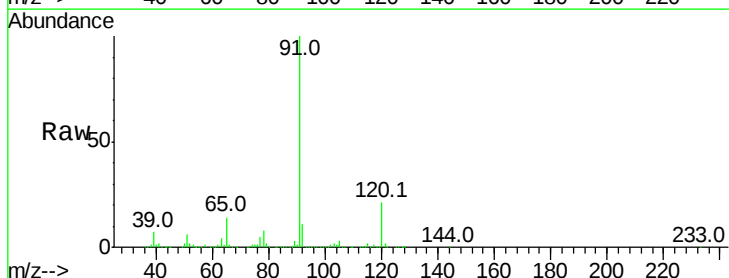
Acq: 14 Dec 2021 14:08

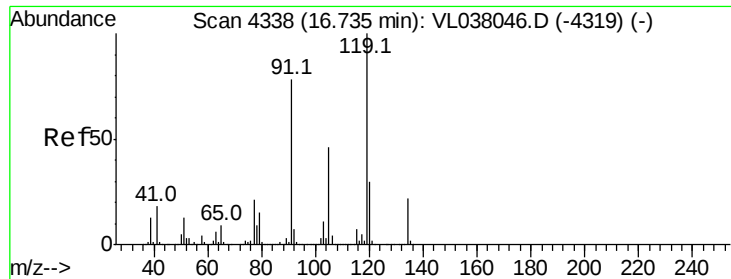
Tgt Ion:120 Resp: 989211

Ion Ratio Lower Upper

120 100

91 486.1 371.7 557.5





#65

tert-Butylbenzene

Concen: 7.801 ppbv

RT: 16.70

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Dec 2021 14:08

Tot Ion:1

Ion Ratio

119 100

91 83.

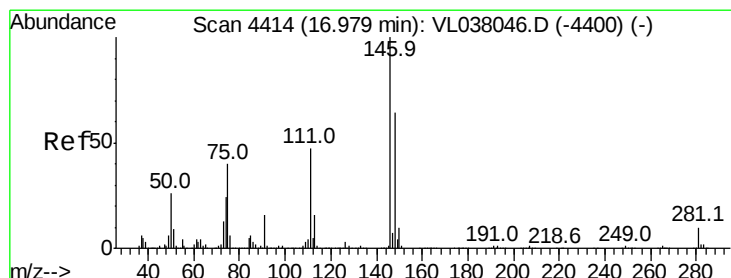
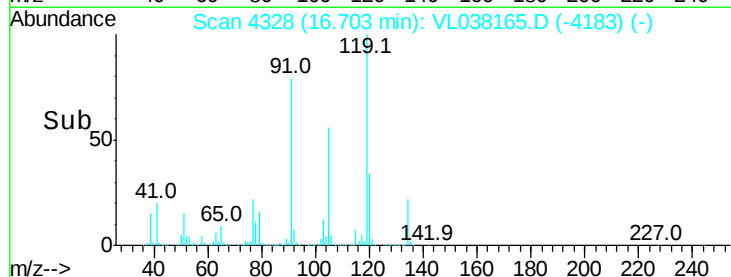
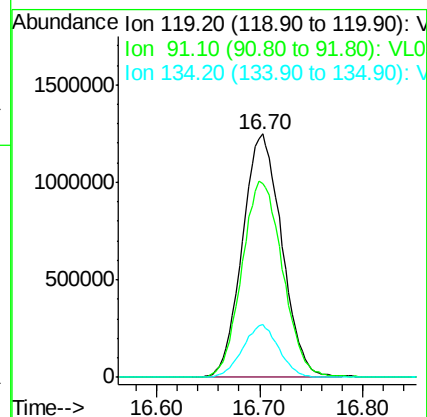
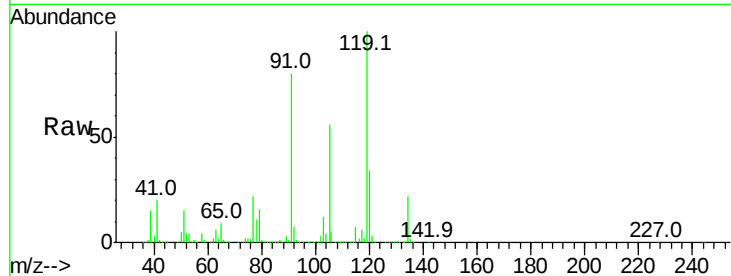
134 20.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#66

Benzyl Chloride

Concen: 11.783 ppbv

RT: 16.94 min Scan# 4402

Delta R.T. -0.04 min

Lab File: VL038165.D

Acq: 14 Dec 2021 14:08

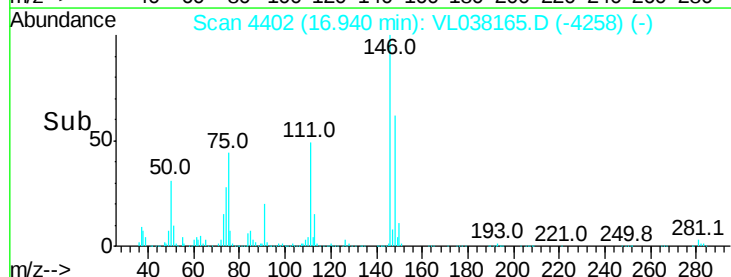
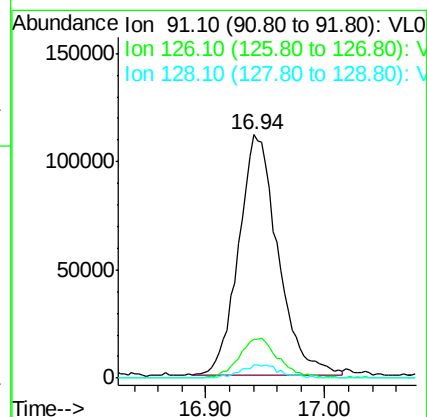
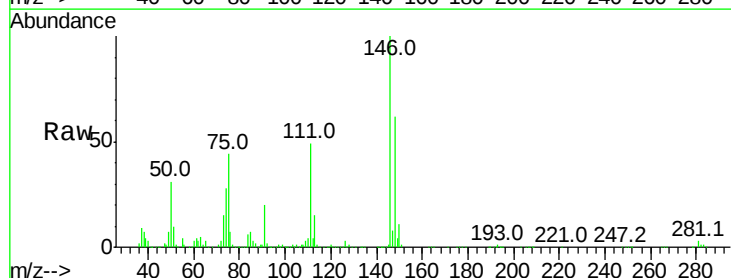
Tgt Ion: 91 Resp: 253694

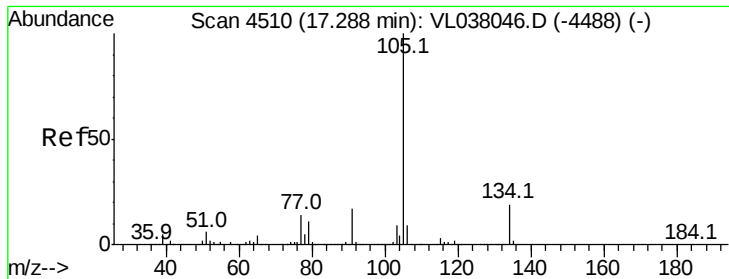
Ion Ratio Lower Upper

91 100

126 16.6 15.5 23.3

128 5.8 5.6 8.4





#67

sec-Butylbenzene

Concen: 7.897 ppbv

RT: 17.25

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08

Tot Ion:1

Ion Ratio

105 100

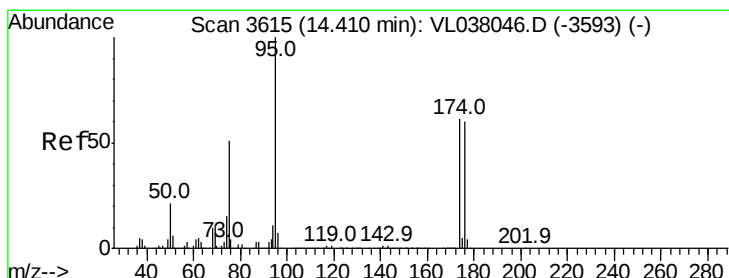
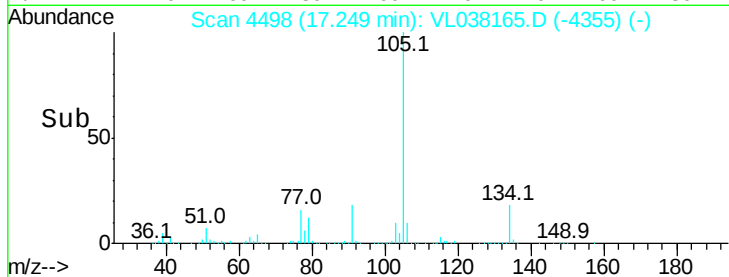
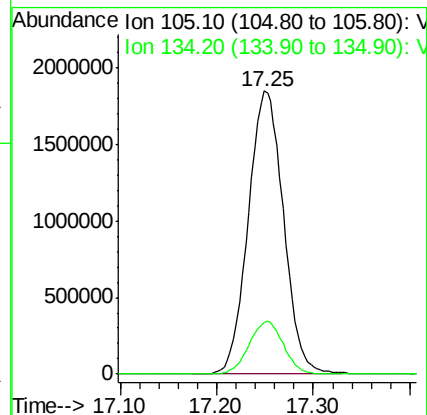
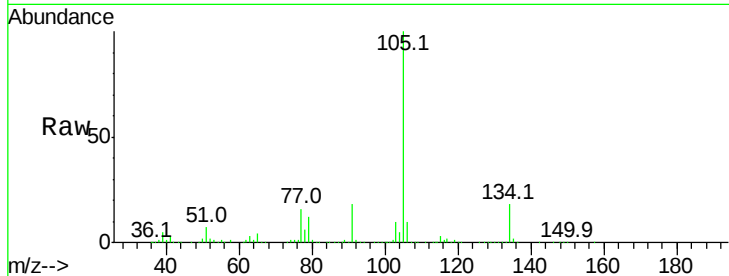
134 18.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.919 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.04 min

Lab File: VL038165.D

Acq: 14 Dec 2021 14:08

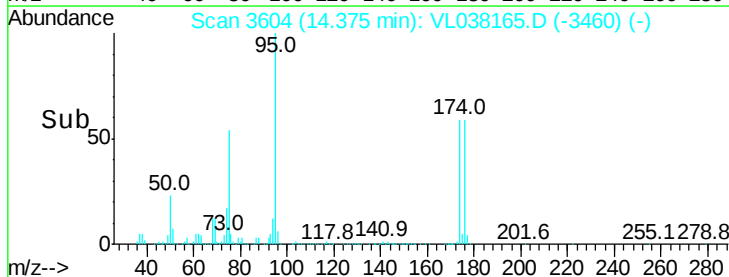
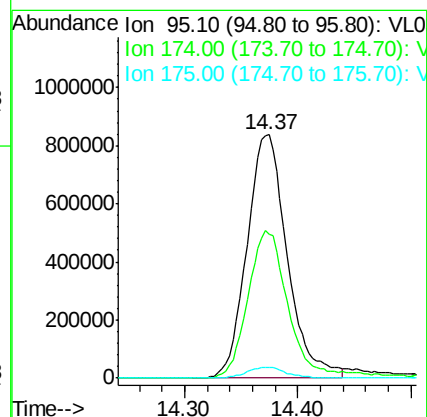
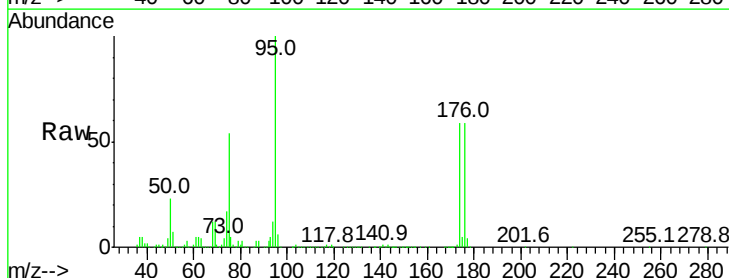
Tgt Ion: 95 Resp: 2072992

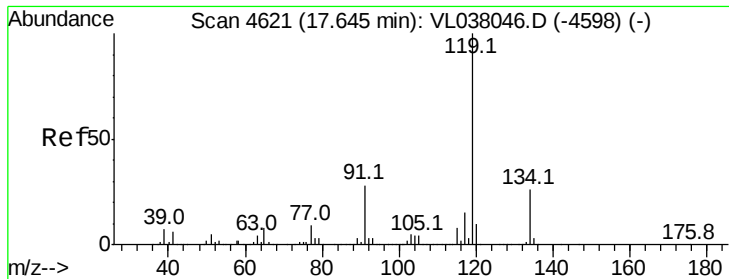
Ion Ratio Lower Upper

95 100

174 62.8 53.1 79.7

175 4.6 4.0 6.0



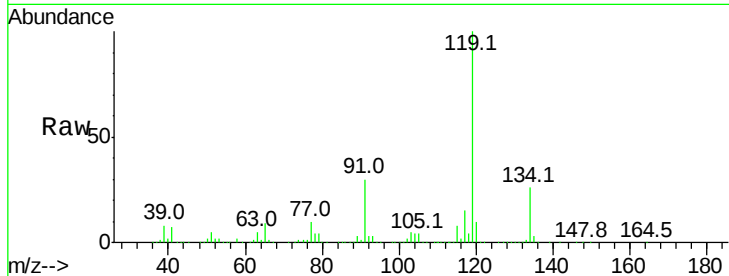


#69
 p-Isopropyltoluene
 Concen: 8.235 ppbv
 RT: 17.61 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VL1214ABS01
 Acq: 14 Dec 2021 14:08

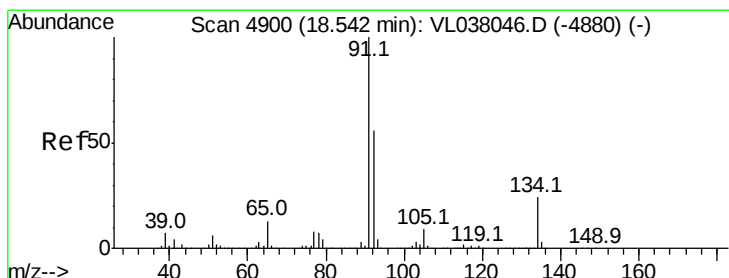
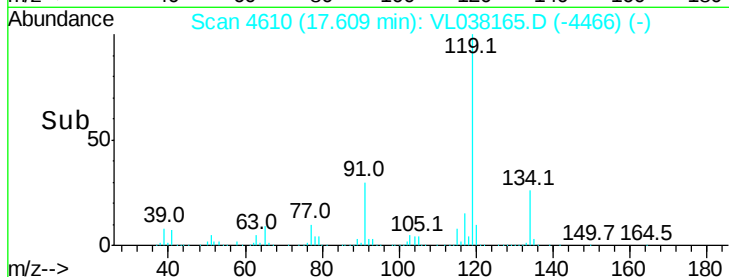
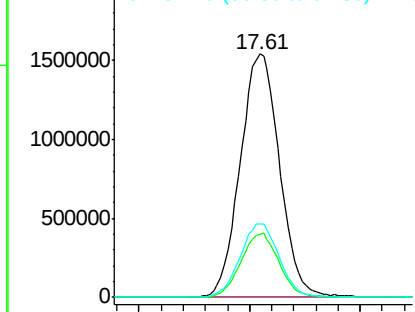
Tot Ion: 1
 Ion Ratio
 119 100
 134 25.
 91 30.

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

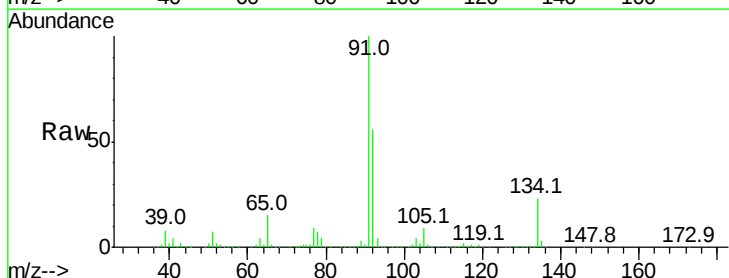


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

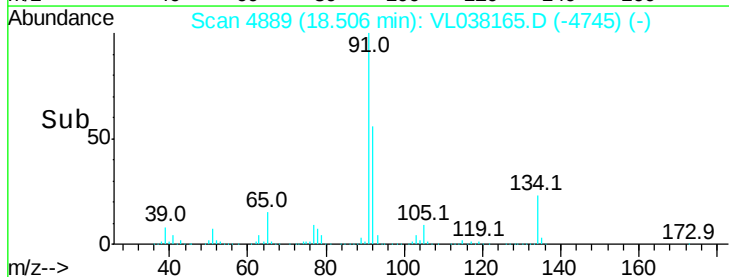
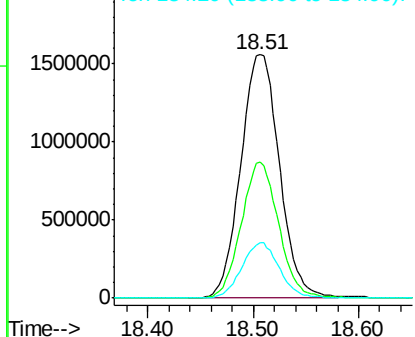


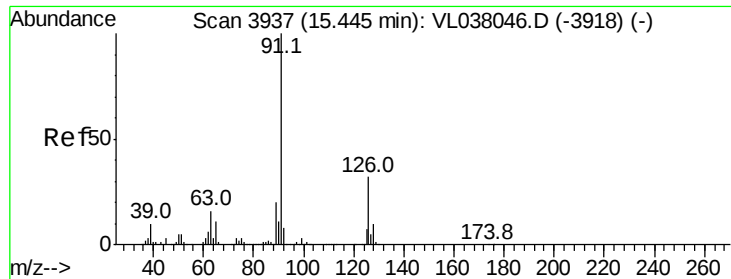
#70
 n-Butylbenzene
 Concen: 8.998 ppbv
 RT: 18.51 min Scan# 4889
 Delta R.T. -0.04 min
 Lab File: VL038165.D
 Acq: 14 Dec 2021 14:08

Tgt Ion: 91 Resp: 3983752
 Ion Ratio Lower Upper
 91 100
 92 54.2 44.1 66.1
 134 22.2 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: 8.365 ppbv

RT: 15.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08

Tot Ion:

Ion Ratio

91 100

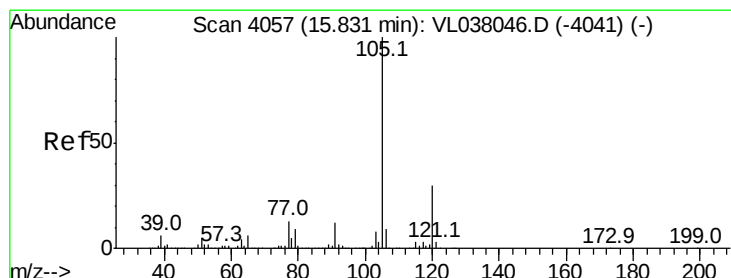
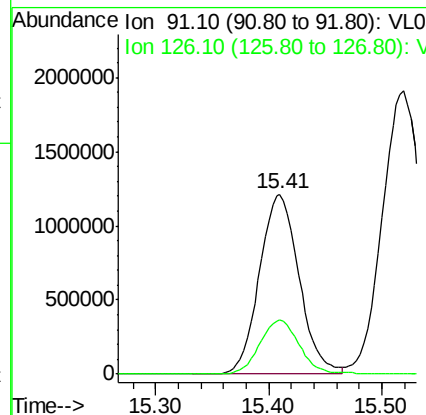
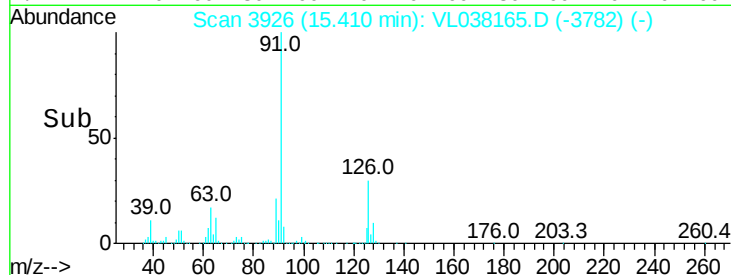
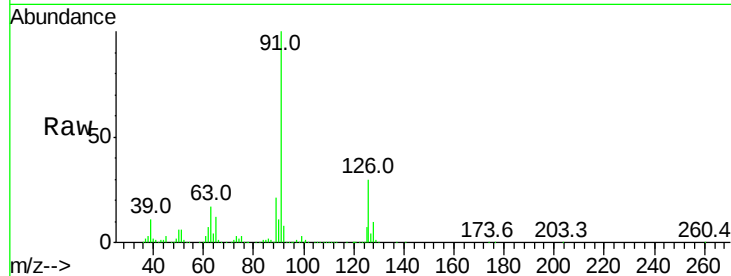
126 30.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#72

4-Ethyltoluene

Concen: 8.159 ppbv

RT: 15.80 min Scan# 4046

Delta R.T. -0.04 min

Lab File: VL038165.D

Acq: 14 Dec 2021 14:08

Tgt Ion:105 Resp: 3213342

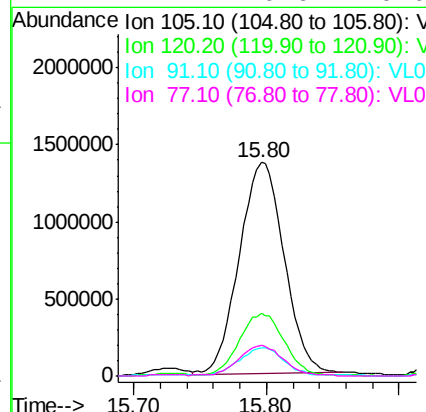
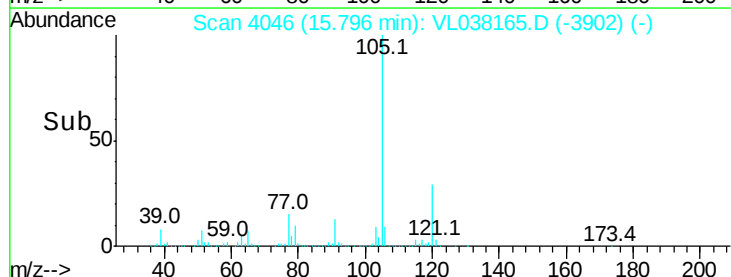
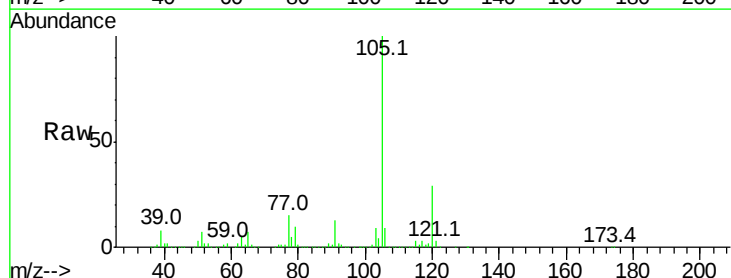
Ion Ratio Lower Upper

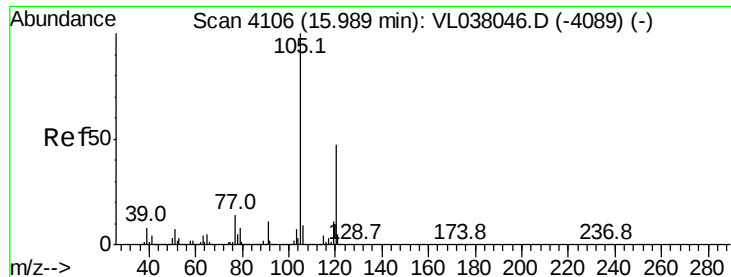
105 100

120 30.4 25.1 37.7

91 13.4 9.7 14.5

77 14.7 10.6 16.0



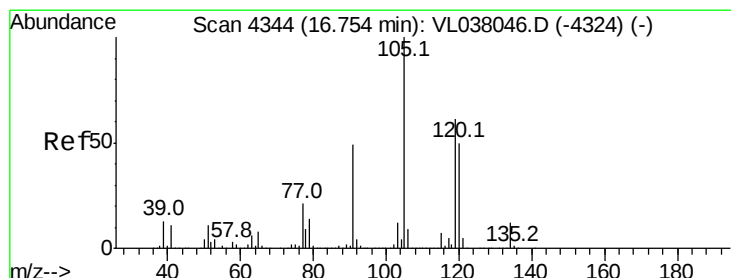
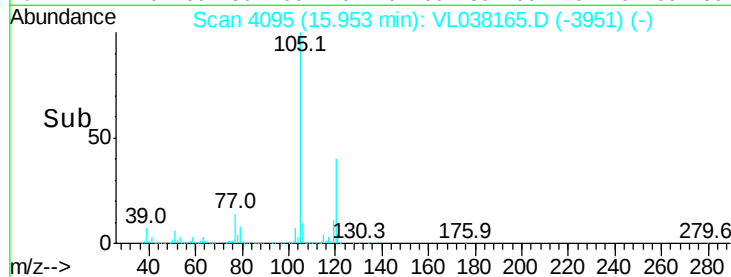
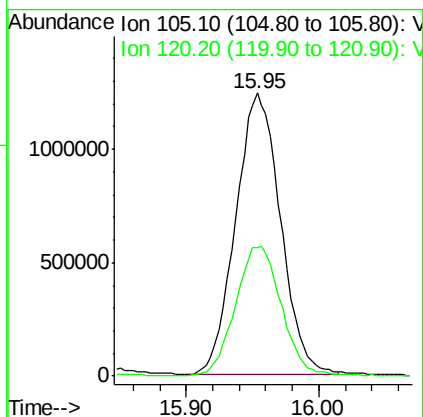
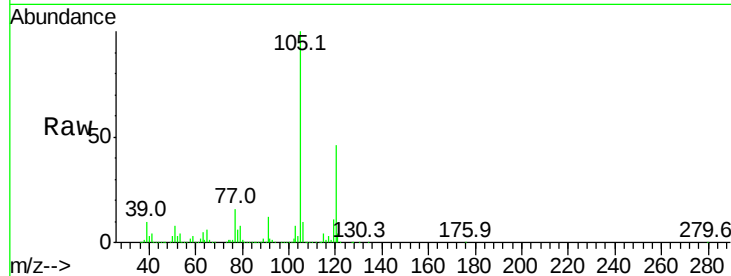


#73
 1,3,5-Trimethylbenzene
 Concen: 8.043 ppbv
 RT: 15.95 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampled : VL1214ABS01
 Acq: 14 Dec 2021 14:08

Tot Ion:1
 Ion Rati
 105 100
 120 45.

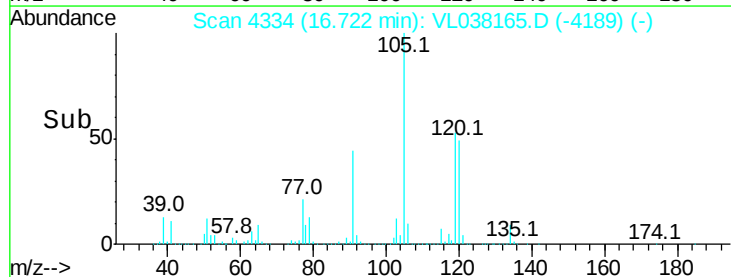
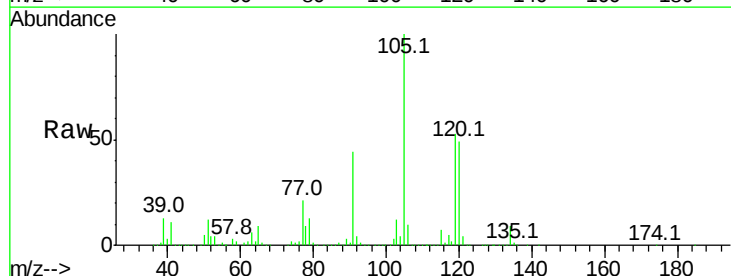
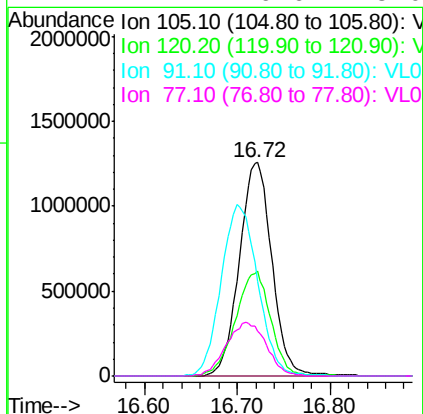
Manual Integrations
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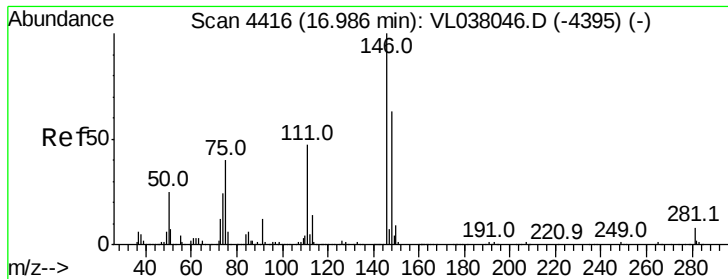
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 8.235 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.03 min
 Lab File: VL038165.D
 Acq: 14 Dec 2021 14:08

Tgt Ion:105 Resp: 3052639
 Ion Ratio Lower Upper
 105 100
 120 48.9 40.1 60.1
 91 44.0 39.8 59.8
 77 21.1 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 8.530 ppbv

RT: 16.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 14:08

Tot Ion:1

Ion Ratio

146 100

111 48.

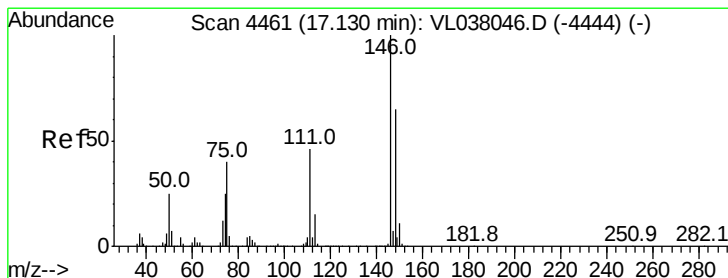
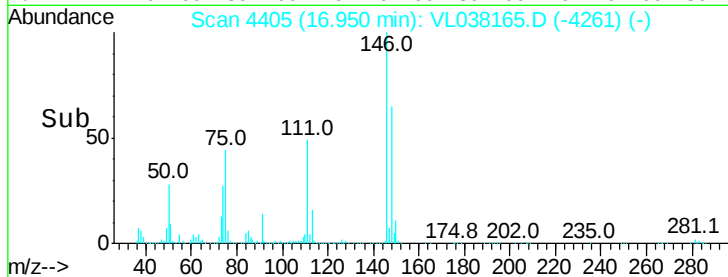
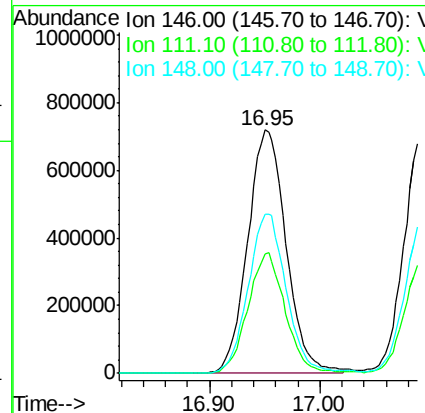
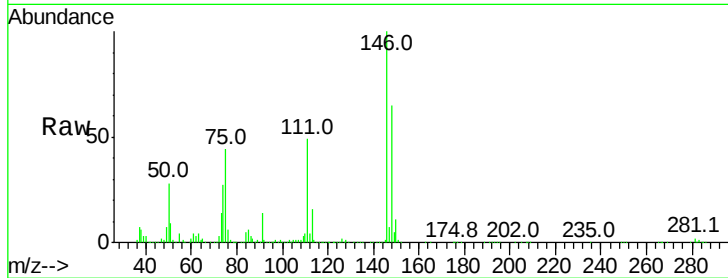
148 64.

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#76

1,4-Dichlorobenzene

Concen: 8.281 ppbv

RT: 17.09 min Scan# 4449

Delta R.T. -0.04 min

Lab File: VL038165.D

Acq: 14 Dec 2021 14:08

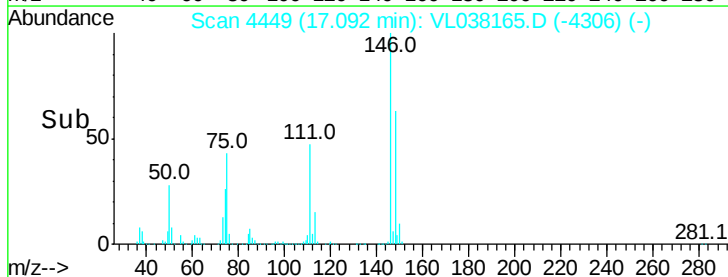
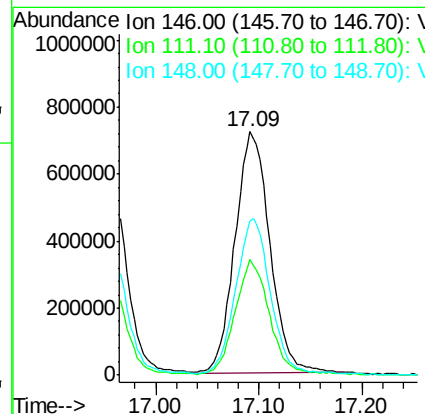
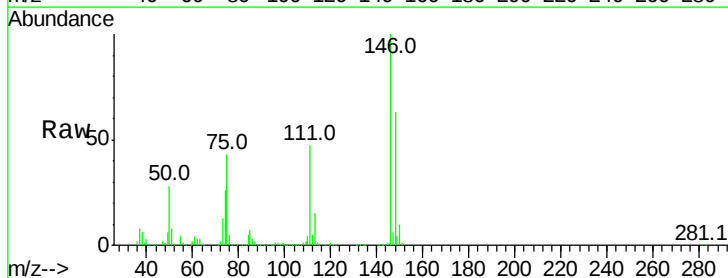
Tgt Ion:146 Resp: 1696734

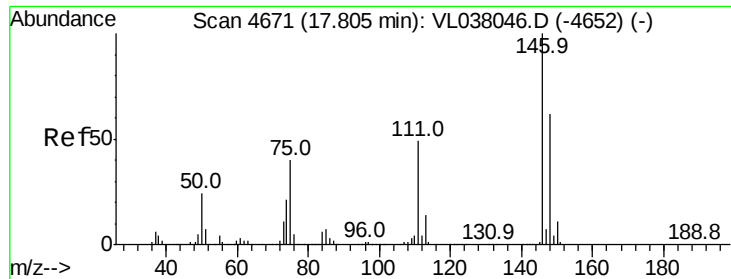
Ion Ratio Lower Upper

146 100

111 47.1 23.8 71.5

148 66.5 33.2 99.6



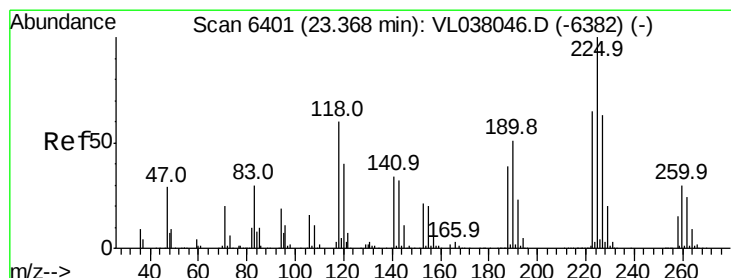
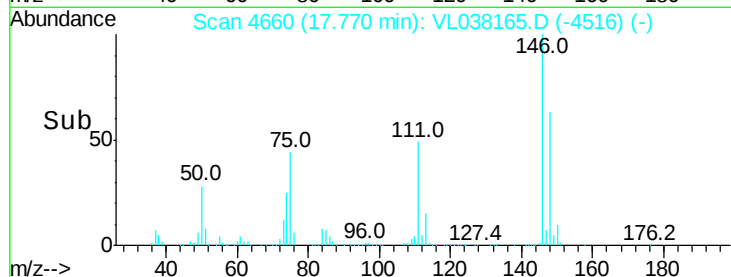
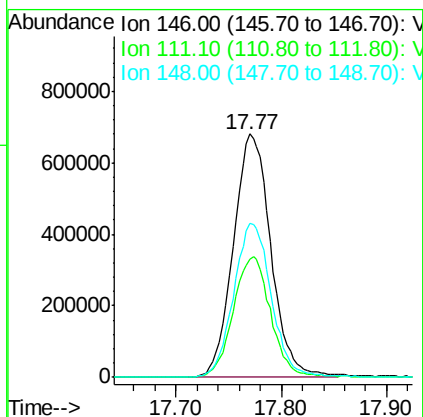
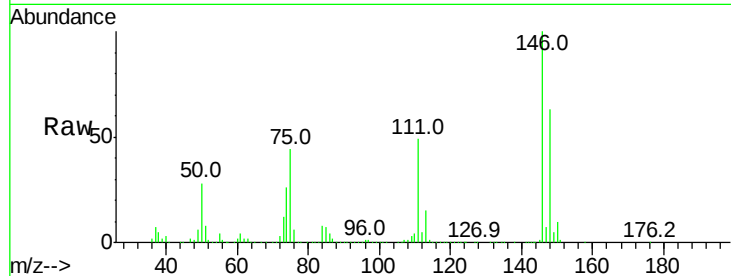


#77
 1,2-Dichlorobenzene
 Concen: 8.494 ppbv
 RT: 17.77 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VL1214ABS01
 Acq: 14 Dec 2021 14:08

Tot Ion: 1
 Ion Ratio
 146 100
 111 49.1
 148 63.1

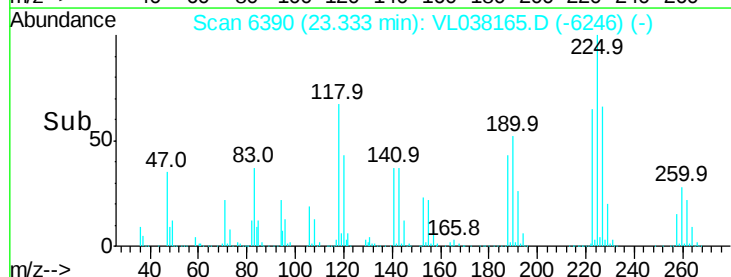
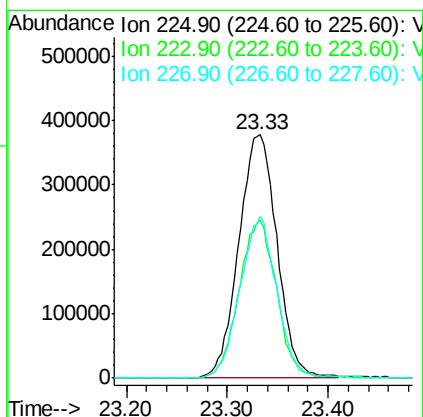
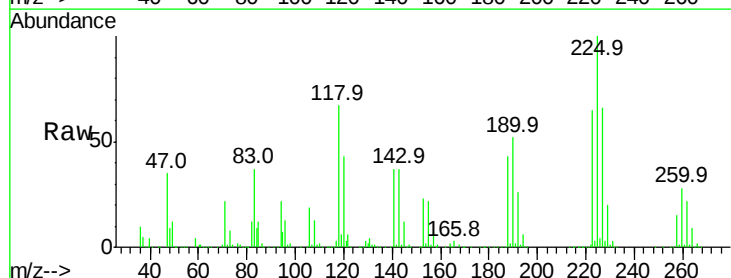
Manual Integrations
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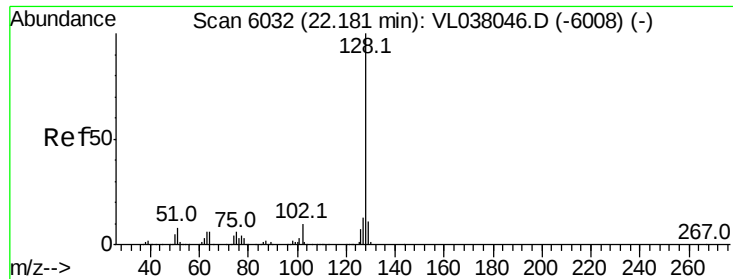
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.084 ppbv
 RT: 23.33 min Scan# 6390
 Delta R.T.: -0.04 min
 Lab File: VL038165.D
 Acq: 14 Dec 2021 14:08

Tgt Ion: 225 Resp: 995078
 Ion Ratio Lower Upper
 225 100
 223 63.9 52.3 78.5
 227 64.0 52.4 78.6



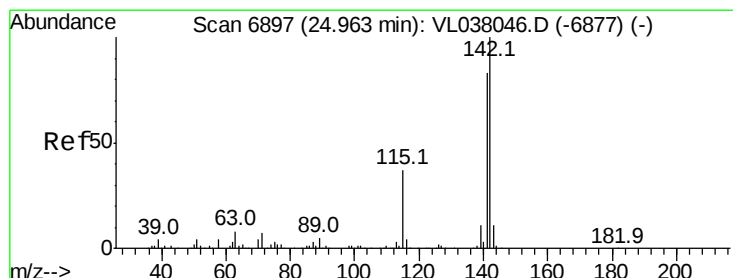
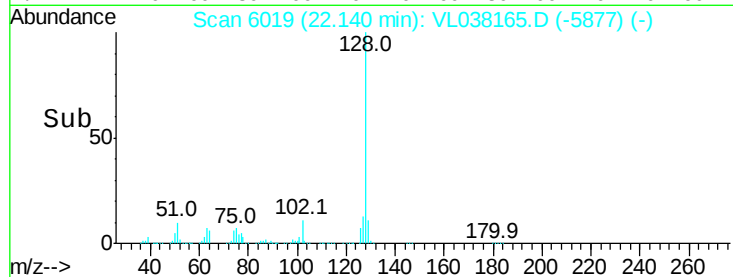
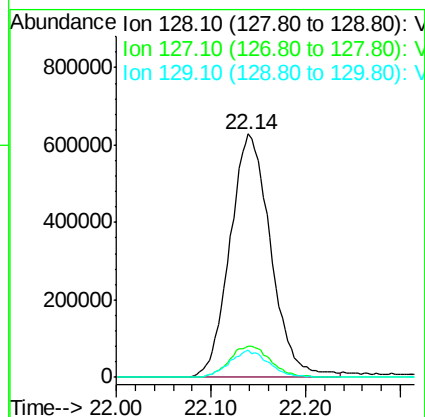
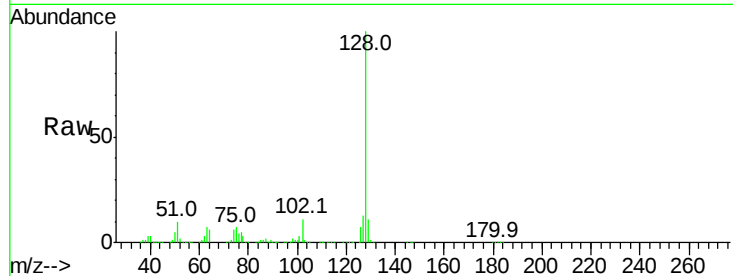


#79
Naphthalene
Concen: 9.520 ppbv
RT: 22.14 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId : VL1214ABS01
Acq: 14 Dec 2021 14:08

Tot Ion:1
Ion Ratio
128 100
127 12.
129 11.

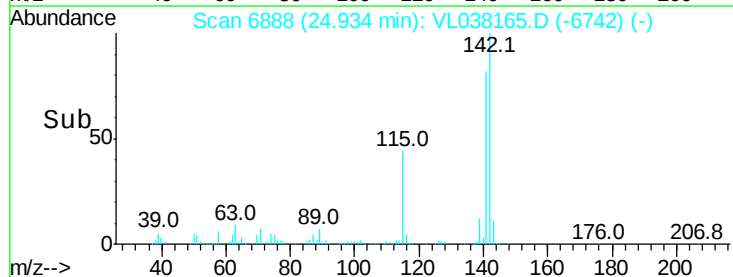
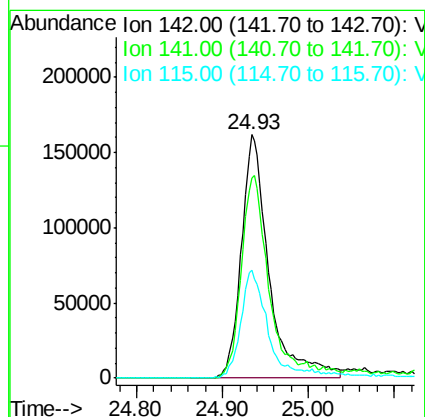
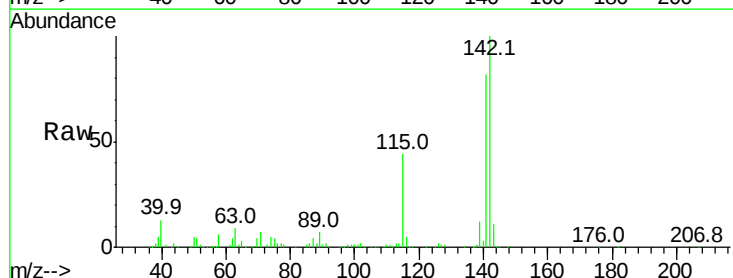
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APPROVED

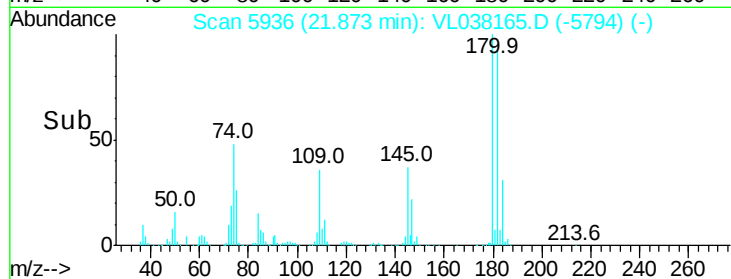
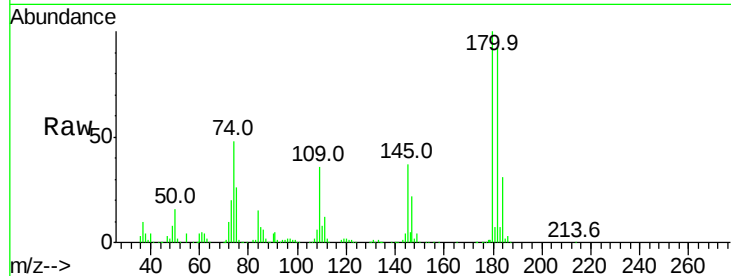
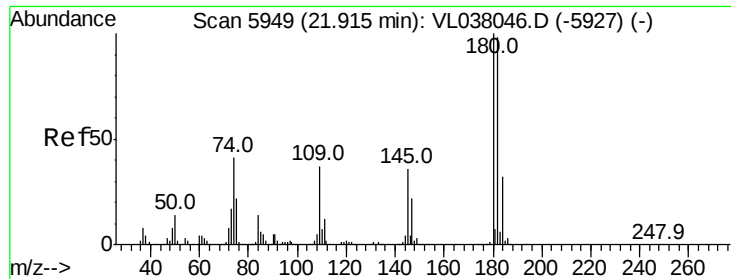
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#80
Naphthalene, 2-methyl-
Concen: 8.667 ppbv
RT: 24.93 min Scan# 6888
Delta R.T.: -0.03 min
Lab File: VL038165.D
Acq: 14 Dec 2021 14:08

Tgt Ion:142 Resp: 362602
Ion Ratio Lower Upper
142 100
141 90.5 67.3 100.9
115 45.3 28.9 43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 9.212 ppbv
 RT: 21.87
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL1214ABS01
 Acq: 14 Dec 2021 14:08

Tot Ion:1
 Ion Rati
 180 100
 182 100.
 184 30.

Manual Integrations
 APPROVED

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

