

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL120721\
 Data File : VL038145.D
 Acq On : 7 Dec 2021 11:34
 Operator : SY/AP
 Sample : VL1207ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1207ABS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 07 14:34:49 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	5.66	49	872314	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2482864	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2384893	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1807294	10.51	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	1091309	7.574	ppbv	100
3) Chlorodifluoromethane	2.99	51	1968073	10.743	ppbv	97
4) Chloromethane	3.14	50	681650	10.931	ppbv	98
5) Vinyl Chloride	3.26	62	685912	11.212	ppbv	99
6) Bromomethane	3.47	94	373091	11.384	ppbv	99
7) Chloroethane	3.56	64	225689	10.395	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	1563227	10.906	ppbv	95
9) Propene	3.01	41	672034	9.961	ppbv	97
10) Heptane	8.11	43	1711006	10.261	ppbv	100
11) Trichlorofluoromethane	3.95	101	1623320	11.846	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1162278	11.990	ppbv	96
13) Ethanol	3.60	45	56441	8.657	ppbv	96
14) Bromoethene	3.74	108	493138	11.361	ppbv	98
15) Acetone	3.85	43	812832	10.747	ppbv	97
16) 1,3-Butadiene	3.33	39	638877	10.828	ppbv	99
17) tert-Butyl alcohol	4.28	59	940930	10.256	ppbv	100
18) 1,1-Dichloroethene	4.29	96	518278	11.655	ppbv	98
19) Isopropyl Alcohol	3.96	45	533123	9.756	ppbv #	99
20) Methylene Chloride	4.34	84	470235	11.100	ppbv	98
21) Allyl Chloride	4.41	41	789094	11.272	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	552975	12.277	ppbv	97
23) Vinyl Acetate	5.07	43	1298699	11.862	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1077328	11.817	ppbv	98
25) Ethyl Acetate	5.67	43	2621021	10.427	ppbv	99
26) Hexane	5.68	57	1234808	10.192	ppbv	98
27) Carbon Disulfide	4.55	76	1240431	11.430	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1168212	11.351	ppbv	100
29) Chloroform	5.75	83	1956835	10.959	ppbv	100
30) Cyclohexane	7.12	84	1063276	9.667	ppbv	95
31) cis-1,2-Dichloroethene	5.54	61	1216964	10.559	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	1967349	10.856	ppbv	98
34) 2-Butanone	5.24	43	870898	8.699	ppbv	97
35) Carbon Tetrachloride	7.01	117	2006988	11.505	ppbv	97
36) Benzene	6.88	78	2654890	10.719	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1526596	12.762	ppbv	96
38) Trichloroethene	7.83	130	925636	9.908	ppbv	95
39) 1,2-Dichloropropane	7.60	63	1038736	10.933	ppbv	95
40) 1,4-Dioxane	7.83	88	259188	10.471	ppbv #	1
41) Tetrahydrofuran	6.04	42	651354	10.481	ppbv	99
42) Bromodichloromethane	7.78	83	2147599	11.810	ppbv	97
43) Methyl Methacrylate	8.00	69	989306	11.676	ppbv	97

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 ClientSampleId :
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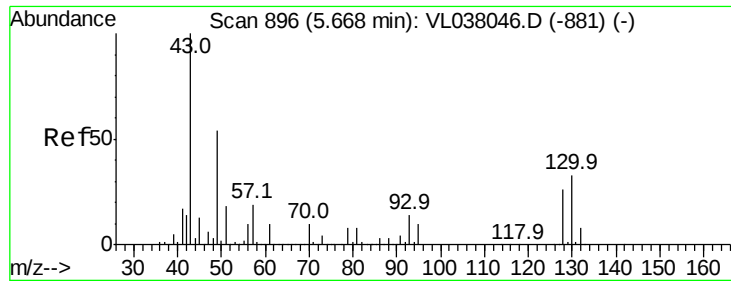
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 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4320653	10.427	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	879005	12.933	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1124206	12.229	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1056824	10.621	ppbv	94
48) Dibromochloromethane	10.29	129	1706277	11.260	ppbv	97
49) Bromoform	13.03	173	1258454	11.609	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	1771970	11.654	ppbv	98
51) 2-Hexanone	10.12	43	825964	11.547	ppbv #	96
52) Tetrachloroethene	11.21	164	859358	9.377	ppbv	97
53) Toluene	9.79	91	2969556	10.421	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1532738	10.905	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1108649	10.240	ppbv	97
57) Chlorobenzene	12.13	112	2086881	9.763	ppbv	95
58) Ethyl Benzene	12.69	91	3939826	9.995	ppbv	98
59) m/p-Xylene	12.98	91	6603688m	19.901	ppbv	
60) o-Xylene	13.68	91	2934655	9.534	ppbv	98
61) Styrene	13.51	104	1637379	9.922	ppbv	96
62) Isopropylbenzene	14.65	105	4070021	9.315	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2139394	9.357	ppbv	99
64) n-propylbenzene	15.55	120	1039903	9.342	ppbv	89
65) tert-Butylbenzene	16.73	119	3430446	8.911	ppbv	96
66) Benzyl Chloride	16.97	91	163074	8.359	ppbv	96
67) sec-Butylbenzene	17.28	105	4896364	9.128	ppbv	99
69) p-Isopropyltoluene	17.64	119	3906559	9.310	ppbv	98
70) n-Butylbenzene	18.54	91	3903168	9.729	ppbv	99
71) 2-Chlorotoluene	15.44	91	3077604	9.634	ppbv	98
72) 4-Ethyltoluene	15.82	105	3504076	9.818	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	3136614	9.623	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3151177	9.381	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	1721014	9.328	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	1659305	8.937	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1638612	9.173	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	910999	8.168	ppbv	98
79) Naphthalene	22.18	128	1707918	9.655	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	291510	7.690	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	929806	9.147	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1207ABS01

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

49 100

128 51.

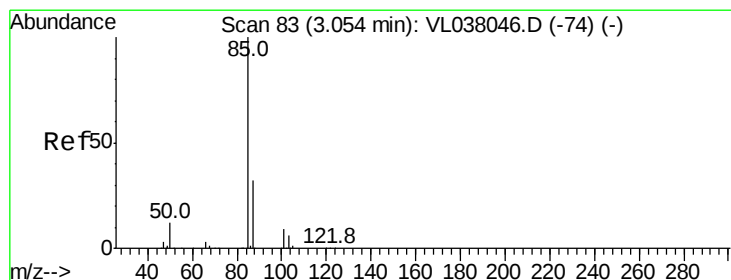
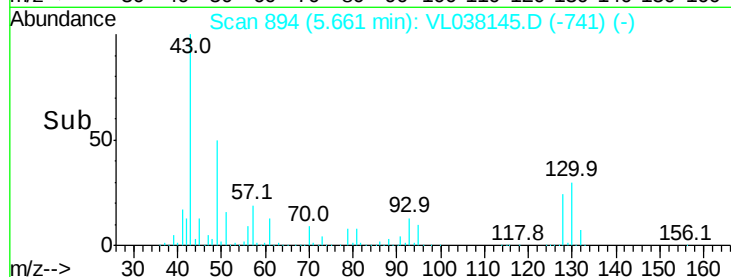
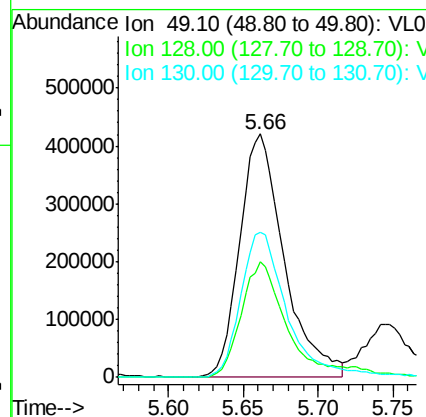
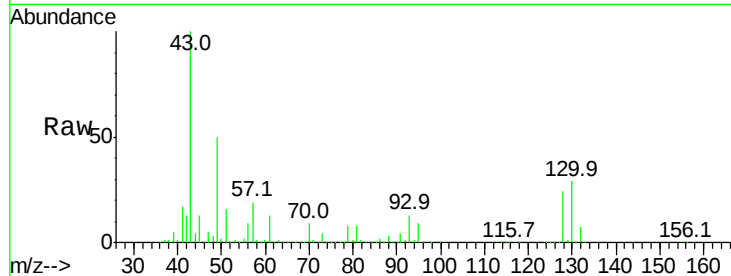
130 62.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/08/2021



#2

Dichlorodifluoromethane

Concen: 7.574 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038145.D

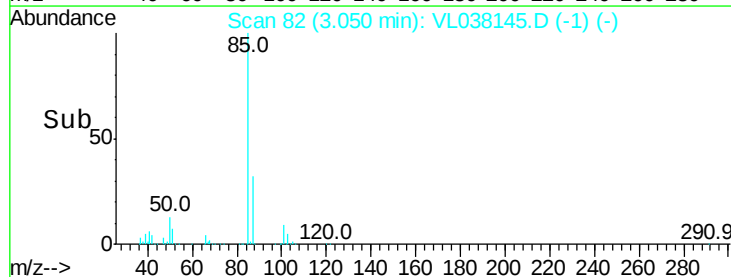
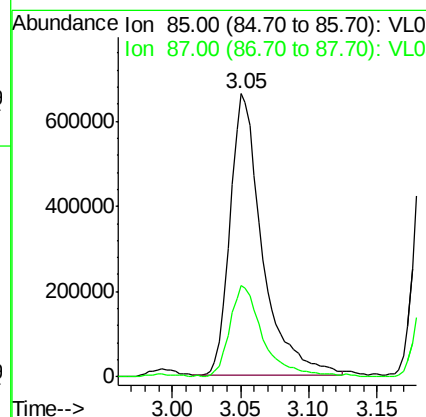
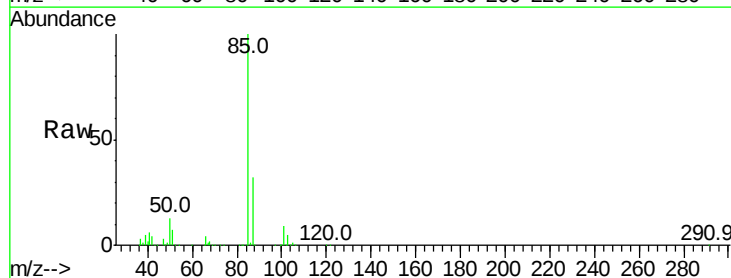
Acq: 7 Dec 2021 11:34

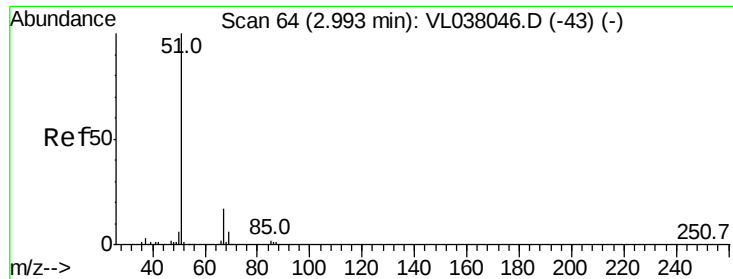
Tgt Ion: 85 Resp: 1091309

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.6



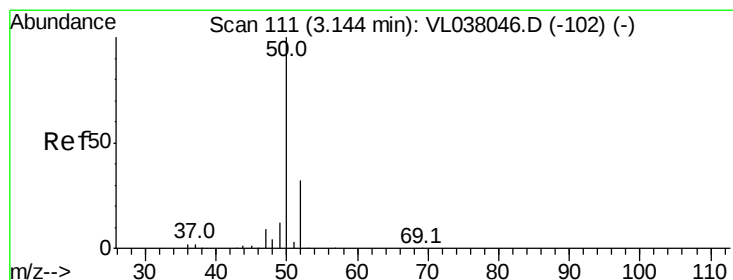
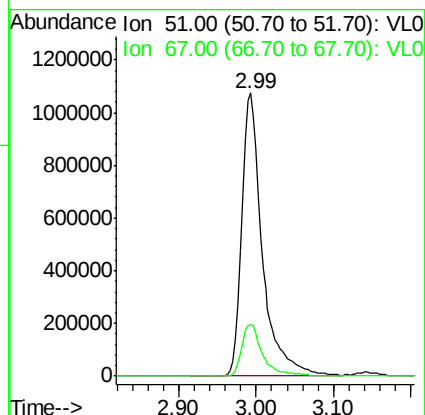
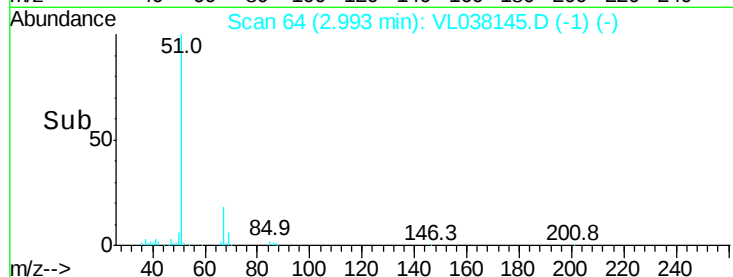
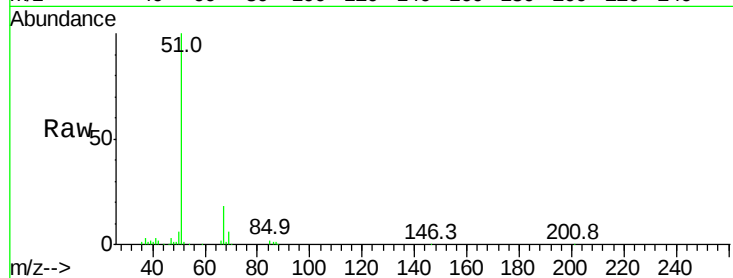


#3
Chlorodifluoromethane
Concen: 10.743 ppbv
RT: 2.99
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion:
Ion Ratio
51 100
67 18.

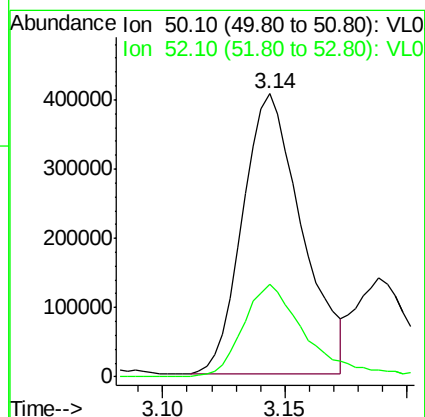
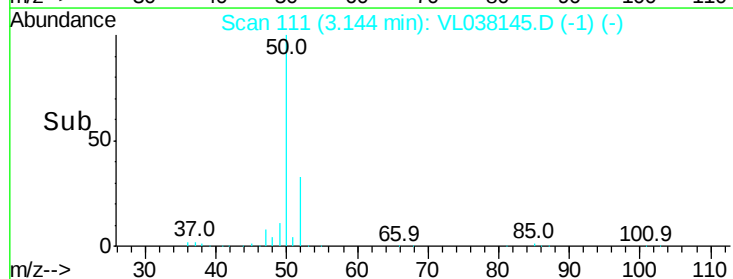
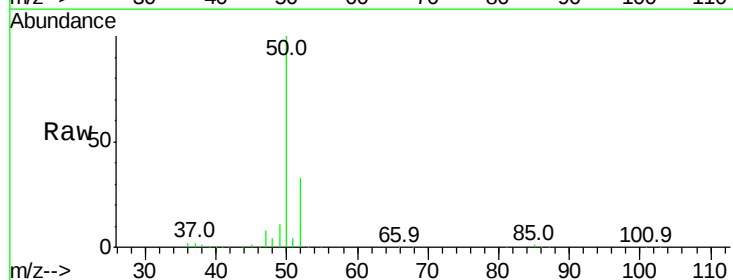
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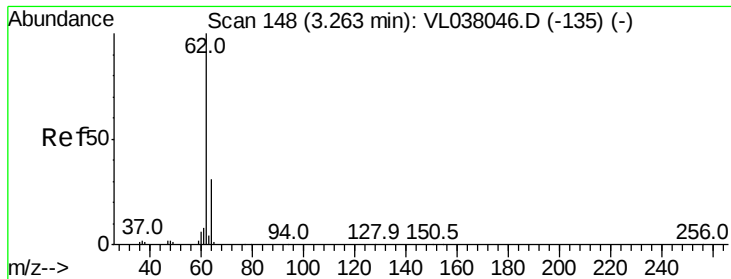
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#4
Chloromethane
Concen: 10.931 ppbv
RT: 3.14 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 50 Resp: 681650
Ion Ratio Lower Upper
50 100
52 33.0 25.4 38.0





#5

Vinyl Chloride

Concen: 11.212 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion:

Ion Ratio

62 100

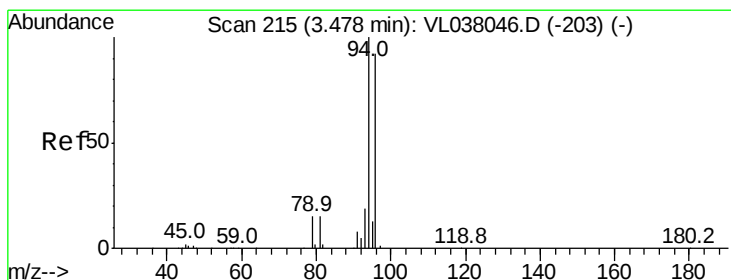
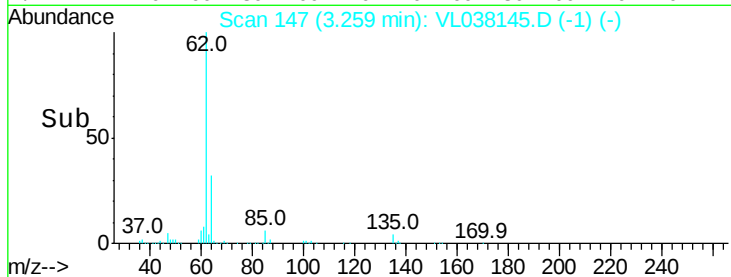
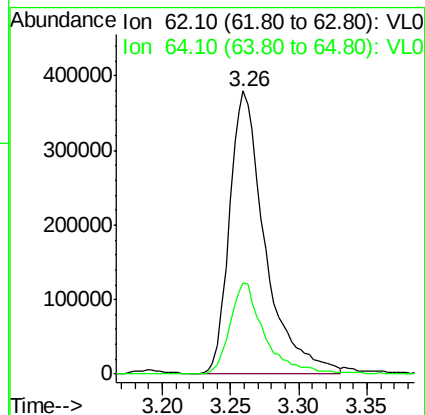
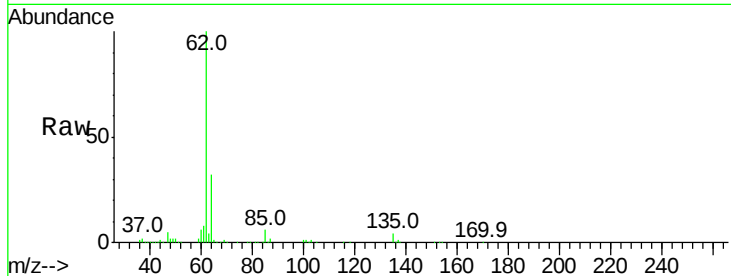
64 32.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/08/2021



#6

Bromomethane

Concen: 11.384 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL038145.D

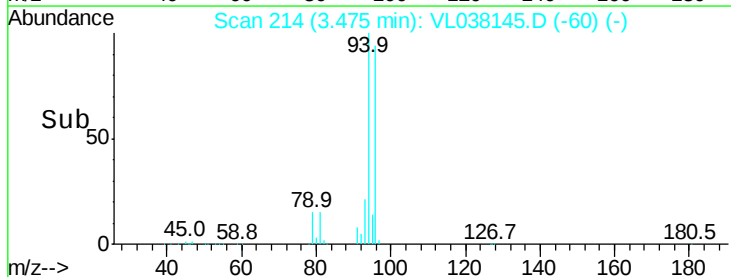
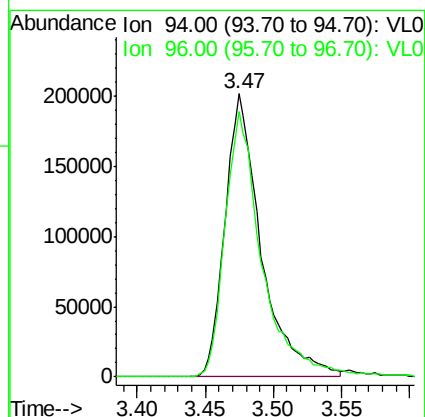
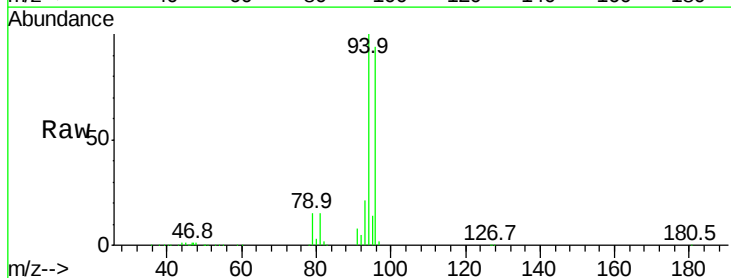
Acq: 7 Dec 2021 11:34

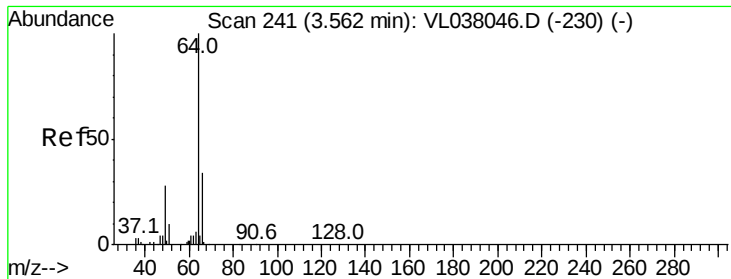
Tgt Ion: 94 Resp: 373091

Ion Ratio Lower Upper

94 100

96 93.8 73.9 110.9





#7

Chloroethane

Concen: 10.395 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion:

Ion Ratio

64 100

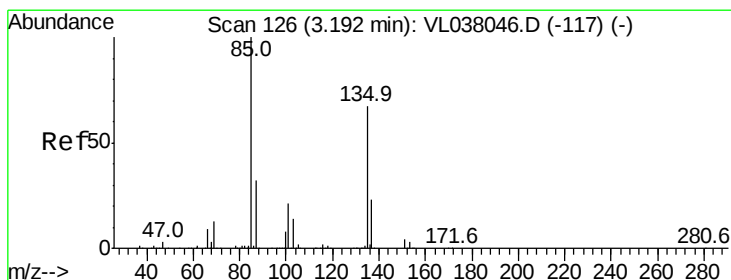
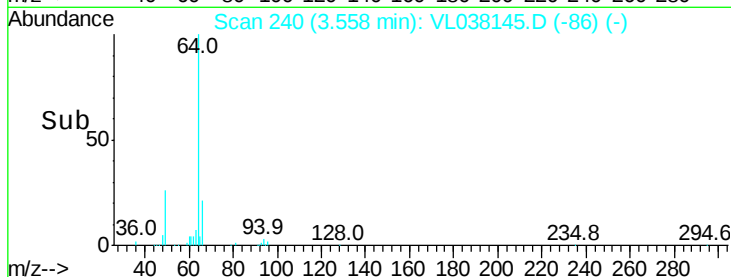
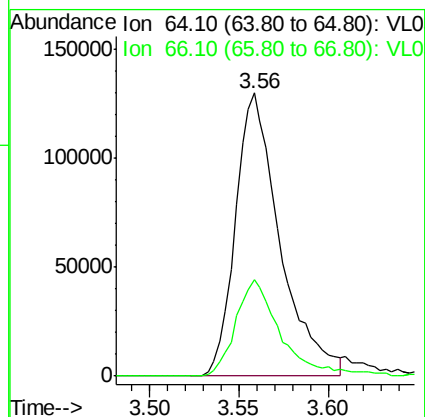
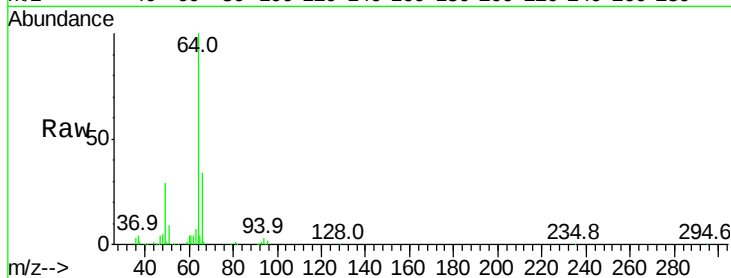
66 34.

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.906 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL038145.D

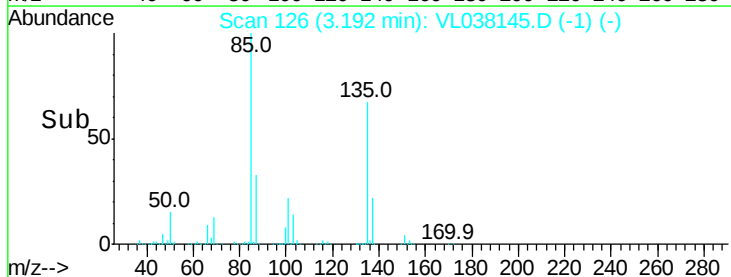
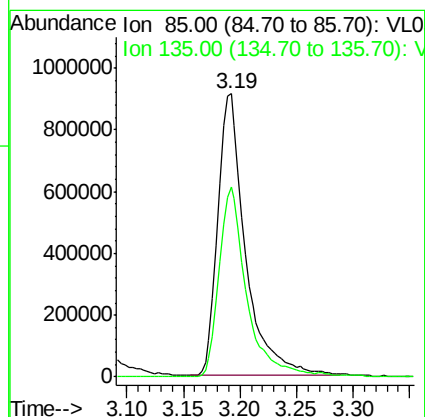
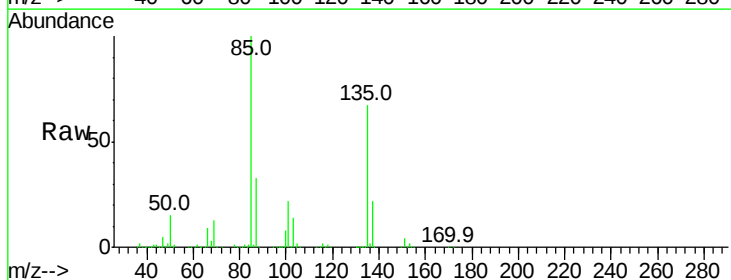
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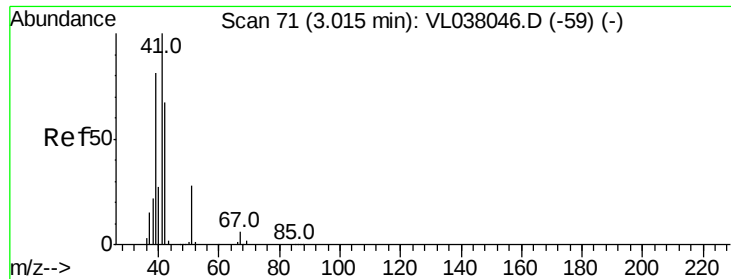
Tgt Ion: 85 Resp: 1563227

Ion Ratio Lower Upper

85 100

135 67.8 57.9 86.9





#9

Propene

Concen: 9.961 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

41 100

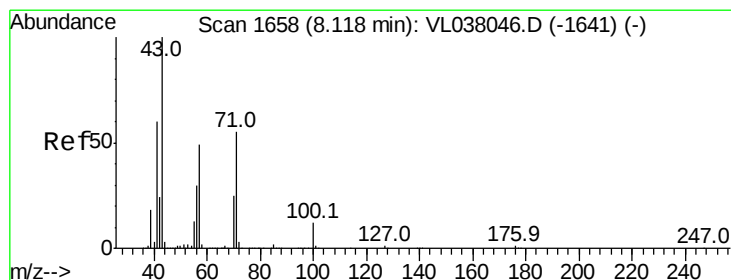
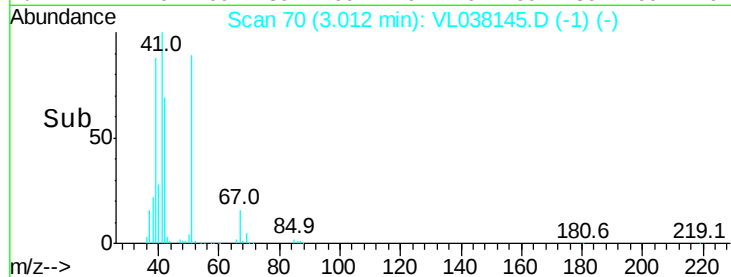
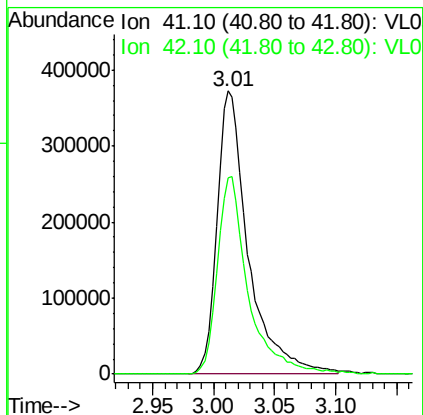
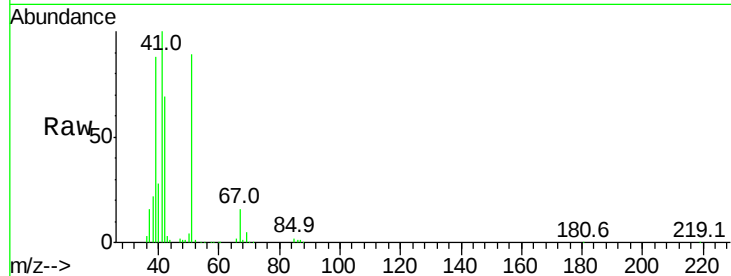
42 69.

Manual Integrations

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#10

Heptane

Concen: 10.261 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VL038145.D

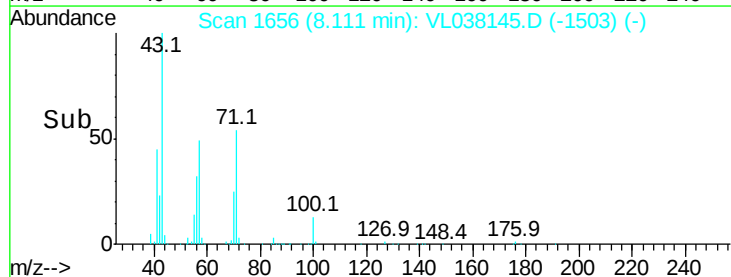
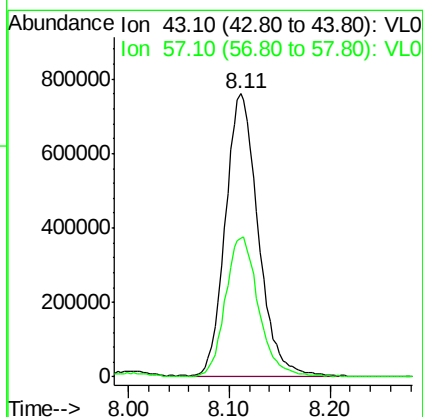
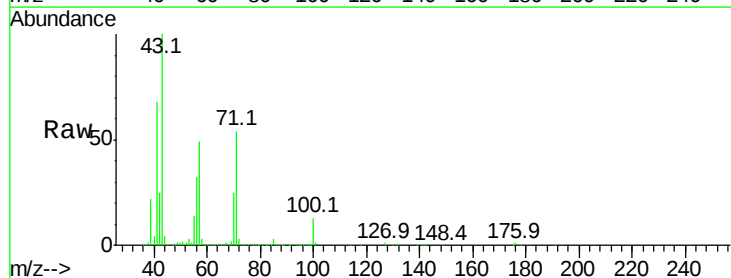
Acq: 7 Dec 2021 11:34

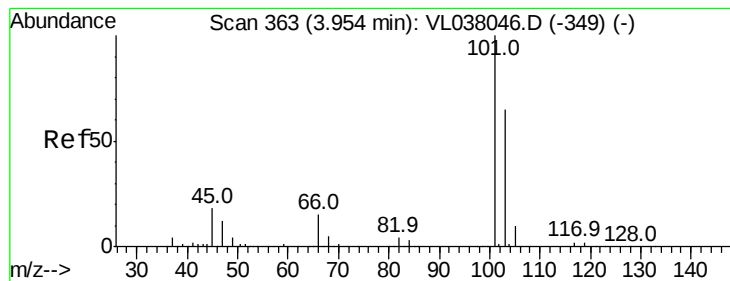
Tgt Ion: 43 Resp: 1711006

Ion Ratio Lower Upper

43 100

57 50.4 40.4 60.6





#11

Trichlorofluoromethane

Concen: 11.846 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion:1

Ion Ratio

101 100

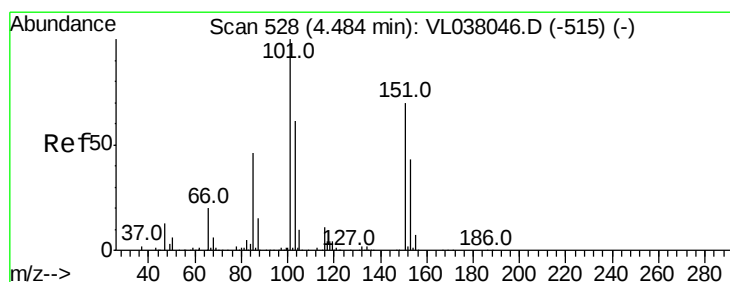
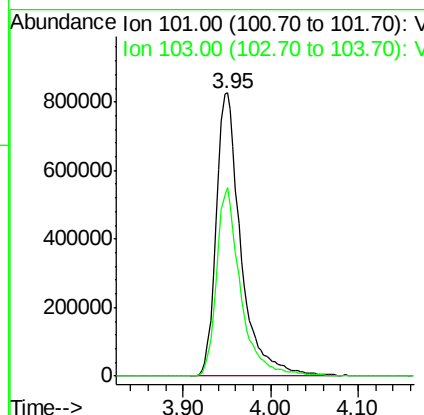
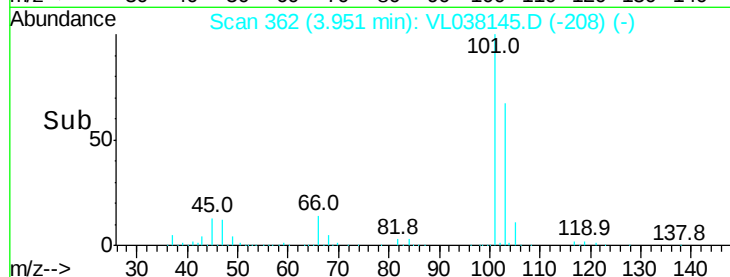
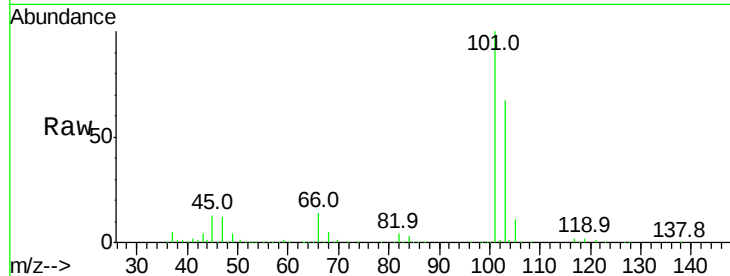
103 66.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/08/2021



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.990 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL038145.D

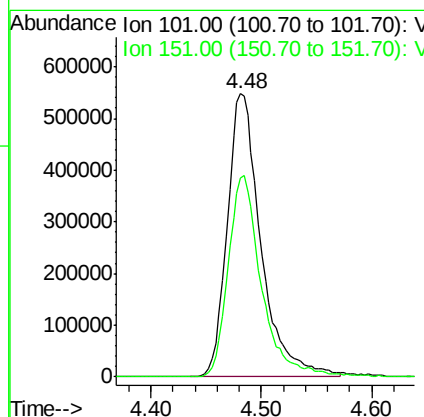
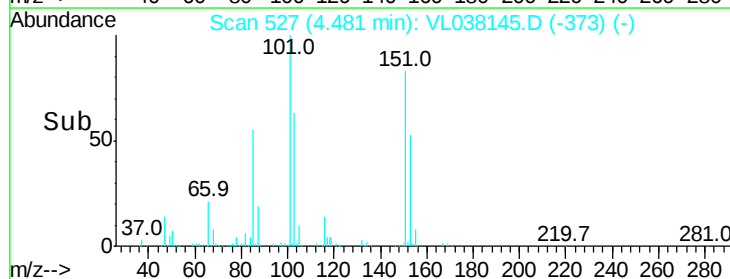
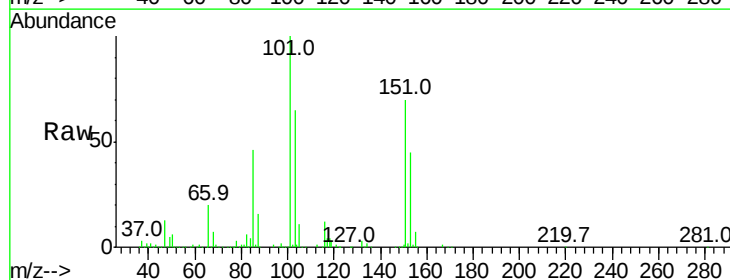
Acq: 7 Dec 2021 11:34

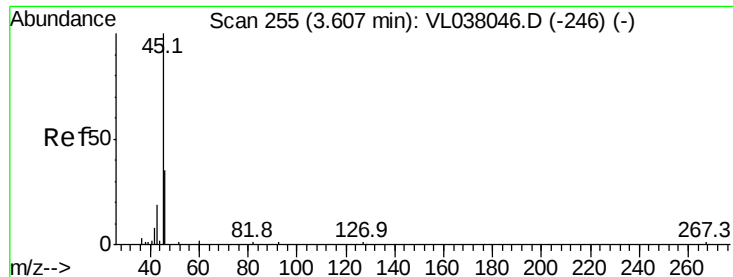
Tgt Ion:101 Resp: 1162278

Ion Ratio Lower Upper

101 100

151 70.6 59.0 88.4



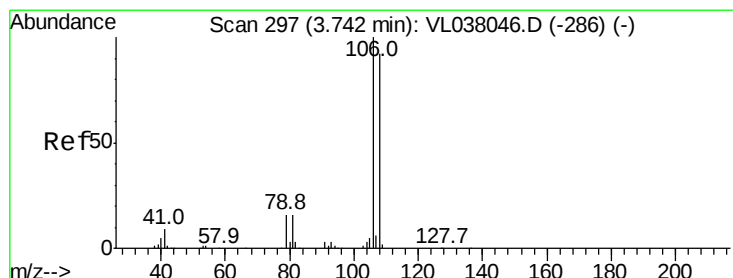
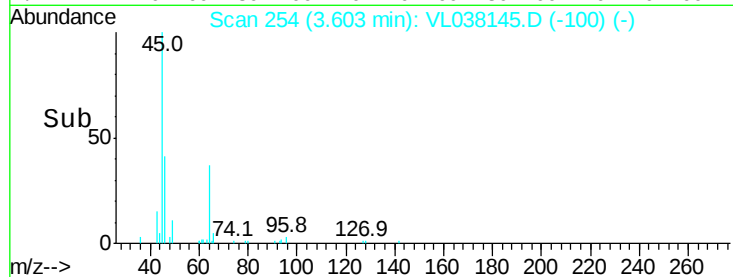
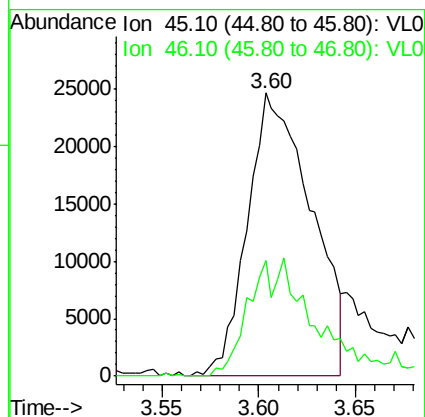
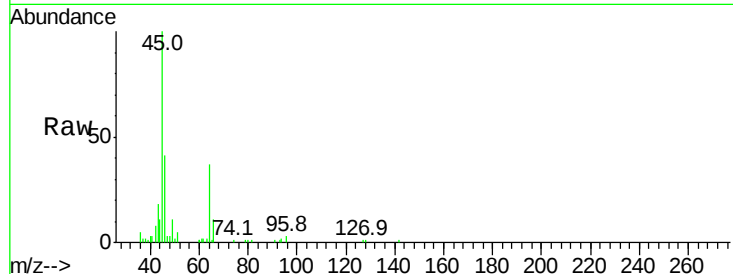


#13
Ethanol
Concen: 8.657 ppbv
RT: 3.60
Delta R.T.: MSVOA_1
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion:
Ion Ratio
45 100
46 41.

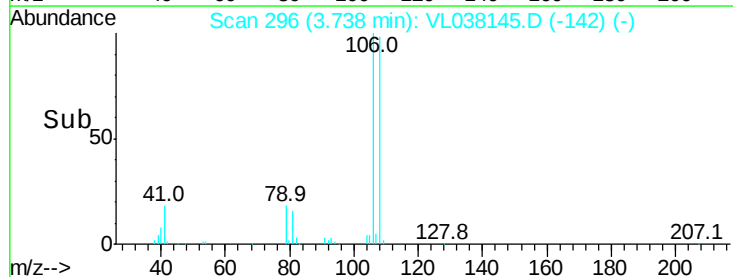
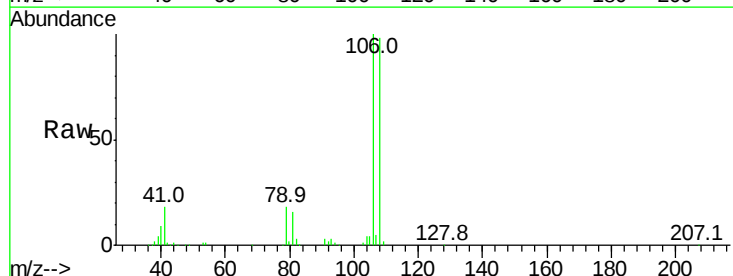
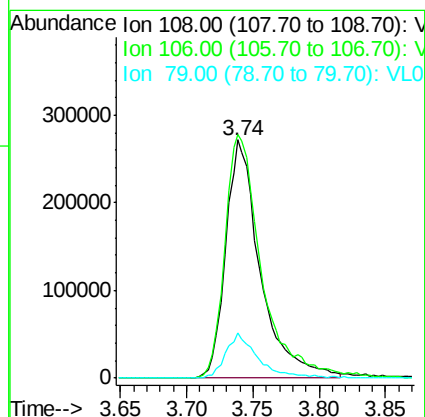
Manual Integrations
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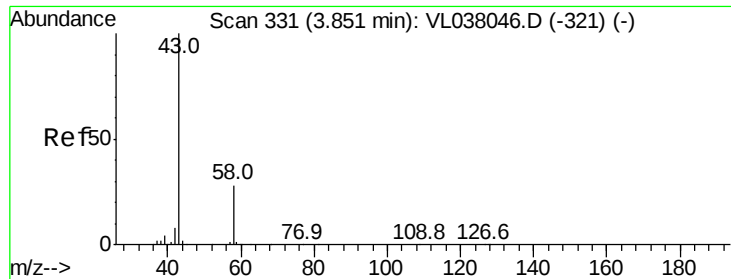
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#14
Bromoethene
Concen: 11.361 ppbv
RT: 3.74 min Scan# 296
Delta R.T.: -0.00 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion:108 Resp: 493138
Ion Ratio Lower Upper
108 100
106 109.6 89.4 134.0
79 18.2 14.1 21.1





#15

Acetone

Concen: 10.747 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

43 100

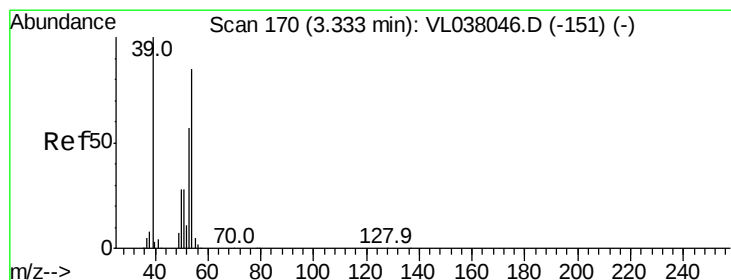
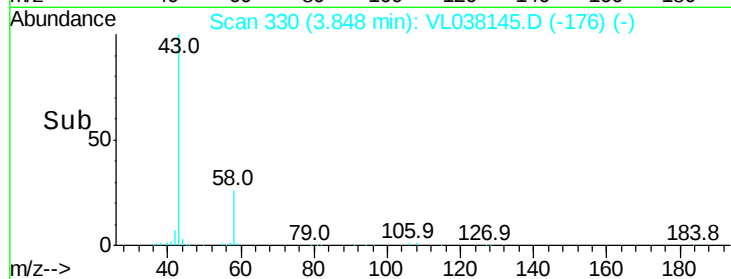
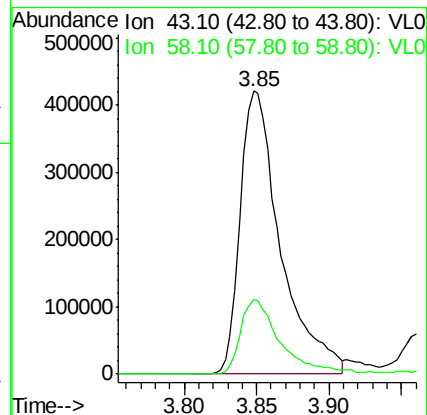
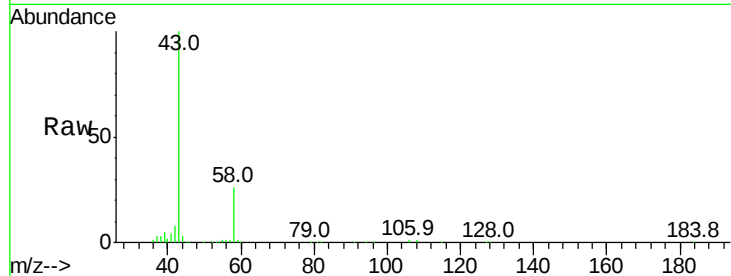
58 26.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#16

1,3-Butadiene

Concen: 10.828 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.01 min

Lab File: VL038145.D

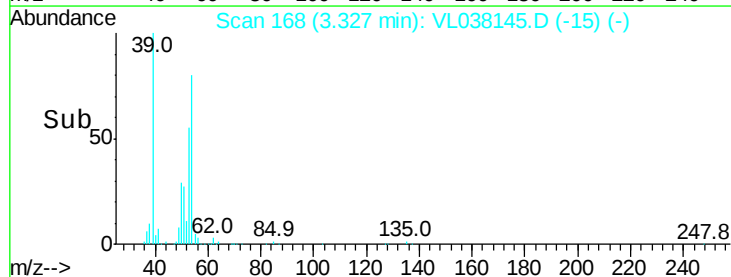
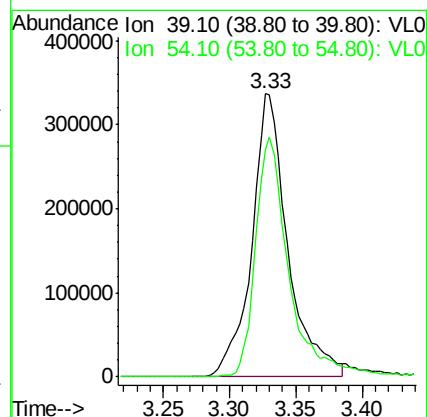
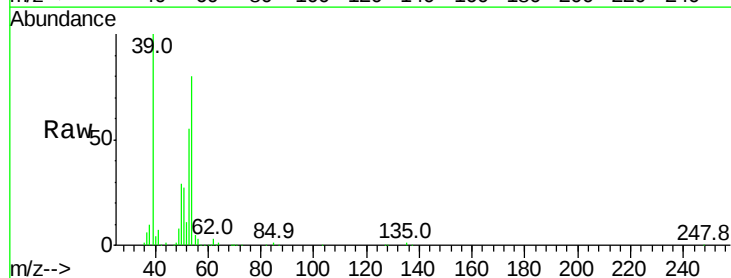
Acq: 7 Dec 2021 11:34

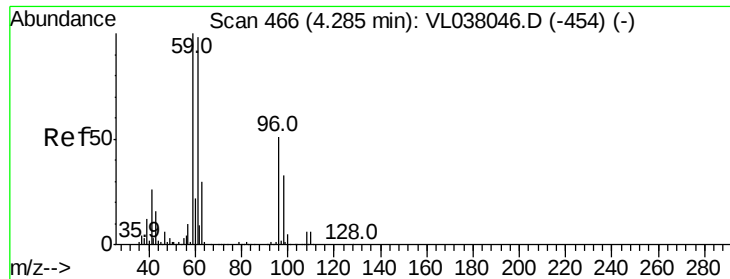
Tgt Ion: 39 Resp: 638877

Ion Ratio Lower Upper

39 100

54 79.3 64.4 96.6





#17

tert-Butyl alcohol

Concen: 10.256 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1207ABS01

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

59 100

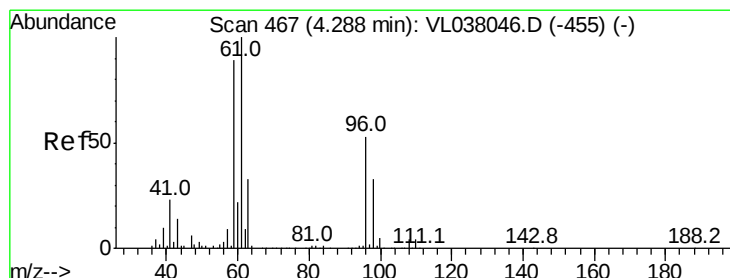
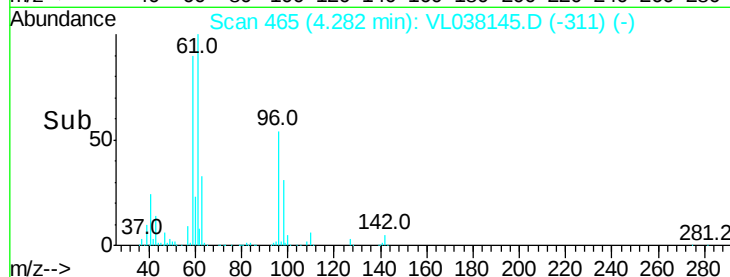
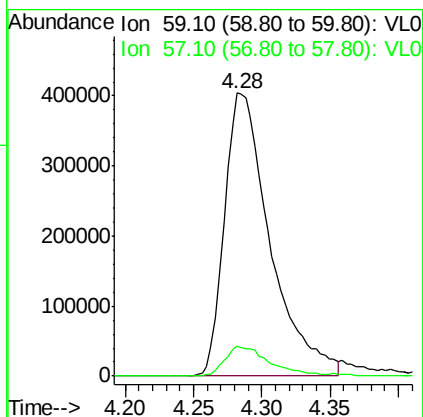
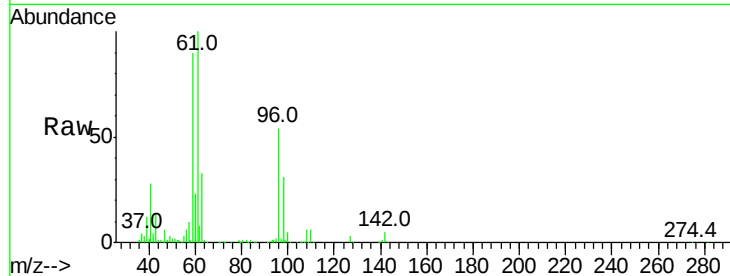
57 10.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#18

1,1-Dichloroethene

Concen: 11.655 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

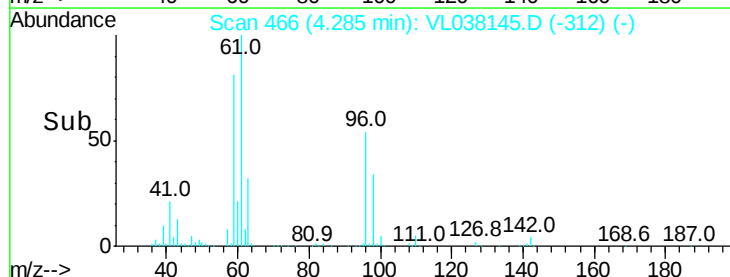
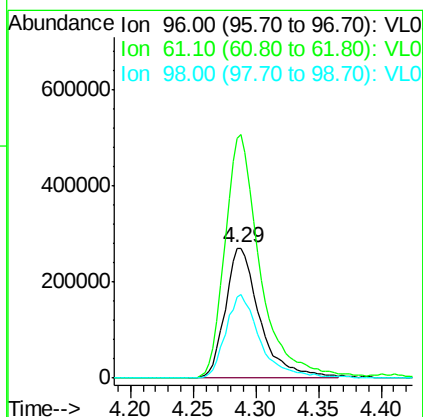
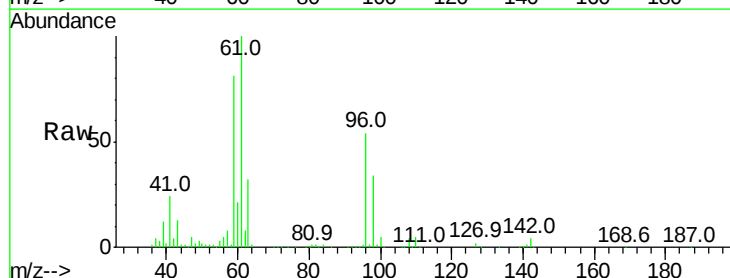
Tgt Ion: 96 Resp: 518278

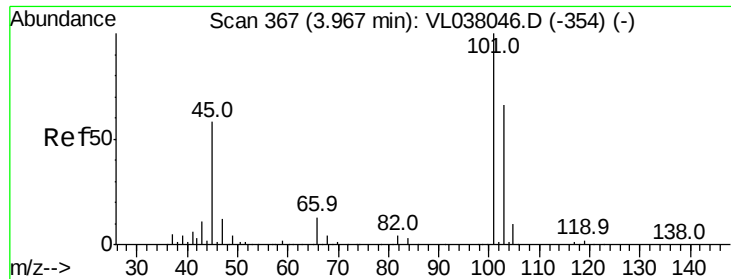
Ion Ratio Lower Upper

96 100

61 184.0 149.8 224.8

98 62.0 50.2 75.2





#19

Isopropyl Alcohol

Concen: 9.756 ppbv

RT: 3.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

45 100

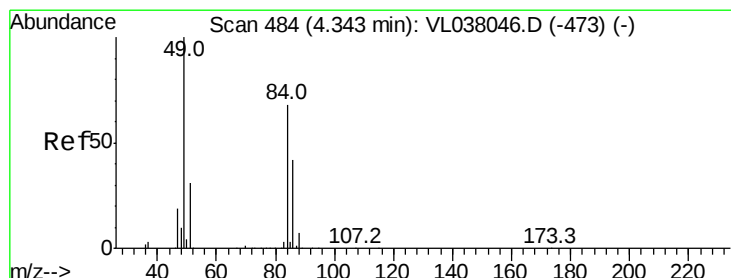
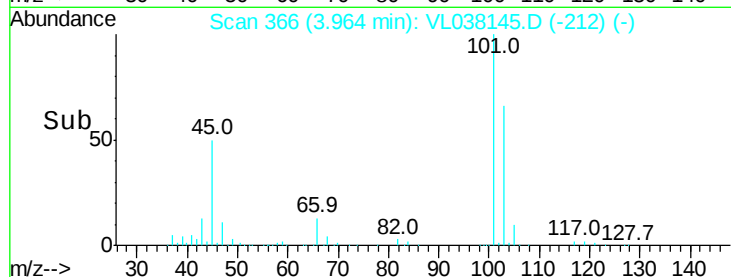
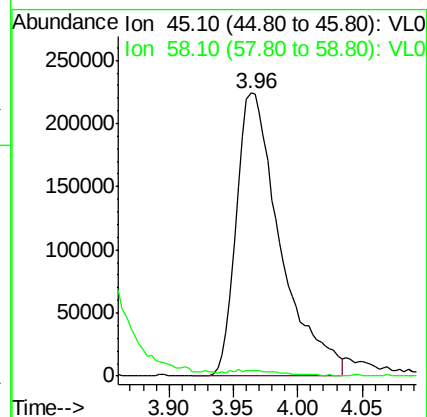
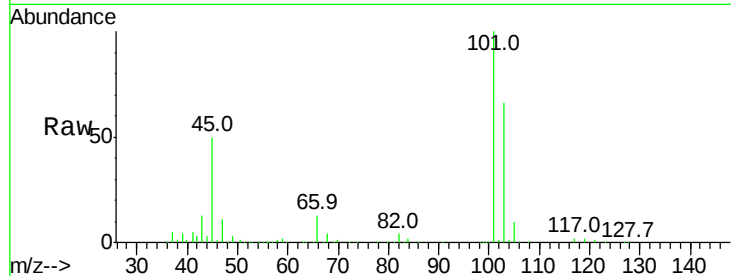
58 2.

Manual Integrations

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Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#20

Methylene Chloride

Concen: 11.100 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

Tgt Ion: 84 Resp: 470235

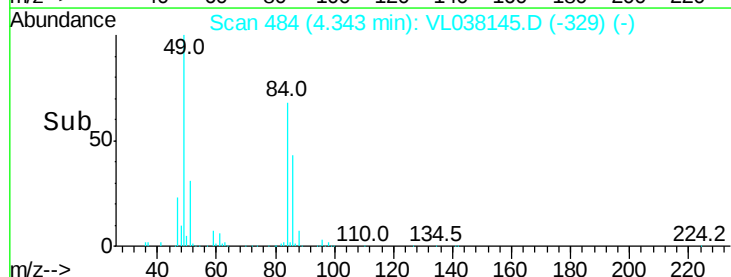
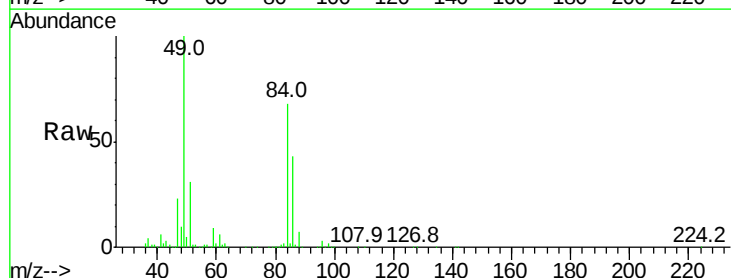
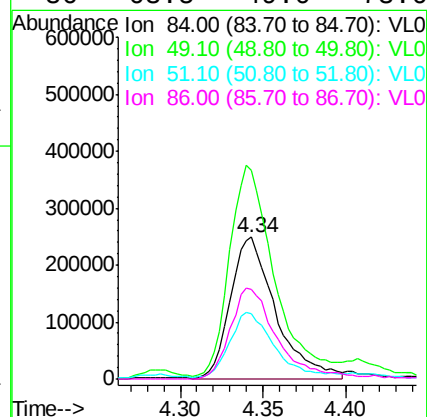
Ion Ratio Lower Upper

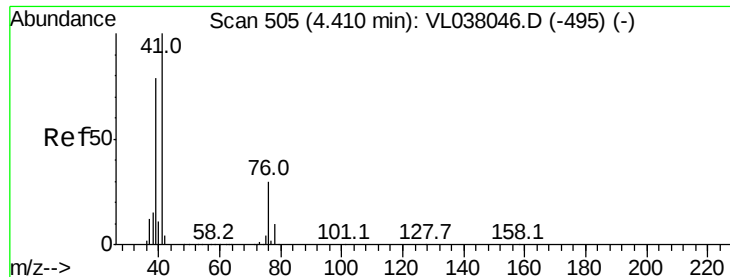
84 100

49 145.8 118.2 177.2

51 45.4 36.8 55.2

86 63.5 49.0 73.6





#21

Allvl Chloride

Concen: 11.272 ppbv

RT: 4.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

41 100

76 30.

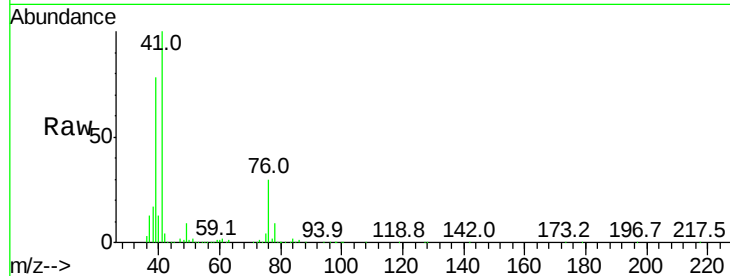
39 79.

Manual Integrations

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Reviewed By :Amit Patel 12/07/2021

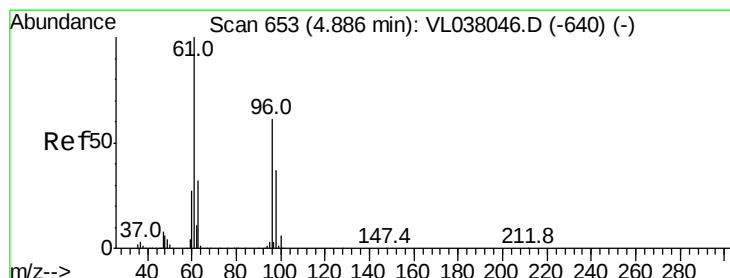
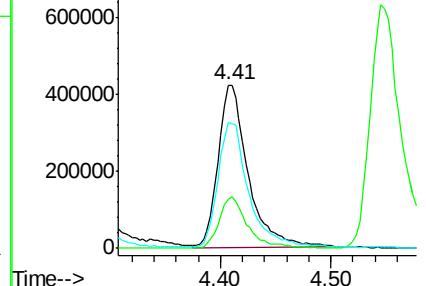
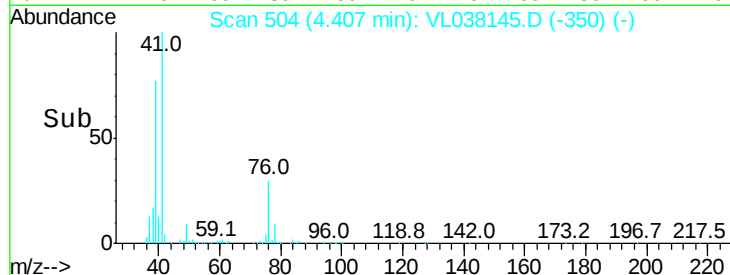
Supervised By :Semsettin Yesilyurt 12/08/2021



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 12.277 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.00 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

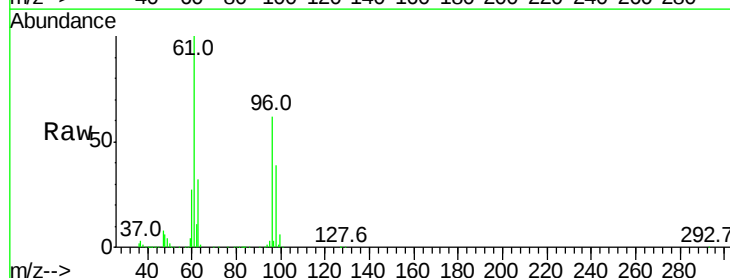
Tgt Ion: 96 Resp: 552975

Ion Ratio Lower Upper

96 100

61 160.3 131.6 197.4

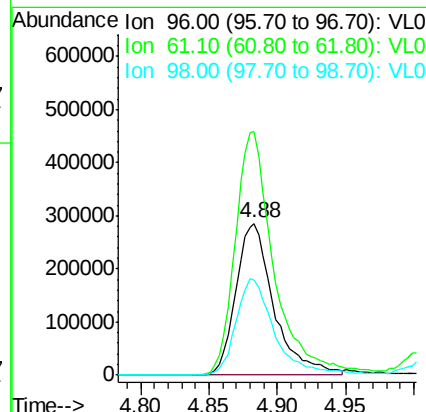
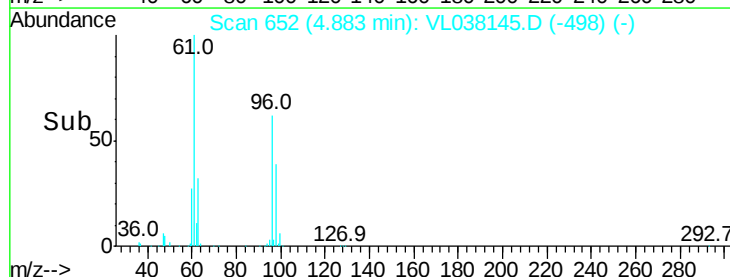
98 62.7 48.4 72.6

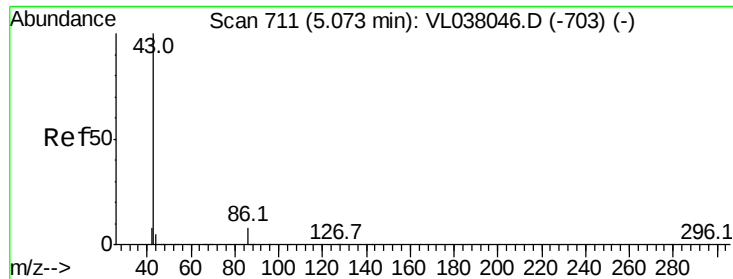


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 11.862 ppbv

RT: 5.07 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion:

Ion Ratio

43 100

86 6.

42 9.

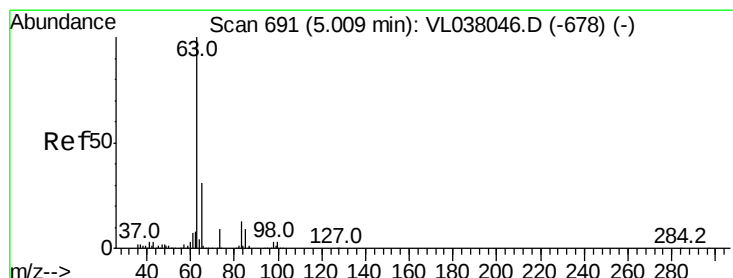
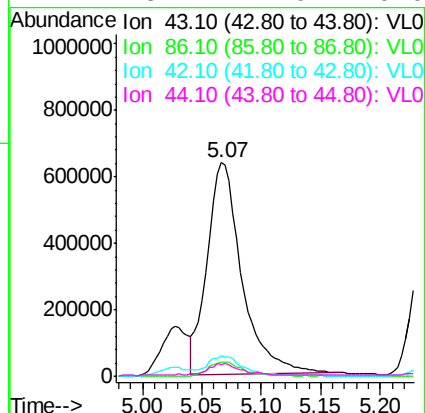
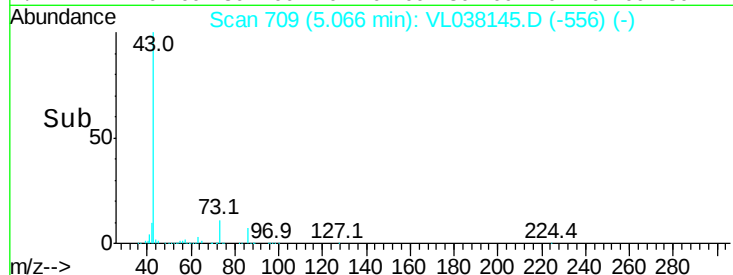
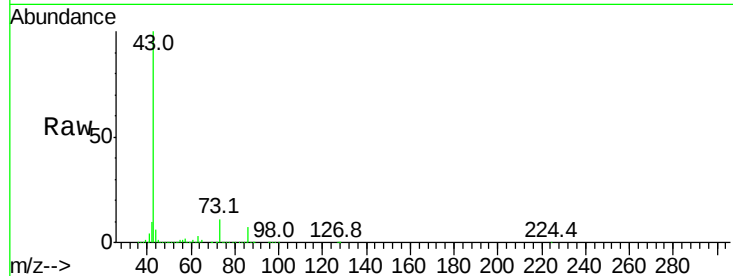
44 5.2

Manual Integrations

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Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#24

1,1-Dichloroethane

Concen: 11.817 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

Tgt Ion: 63 Resp: 1077328

Ion Ratio Lower Upper

63 100

98 4.5

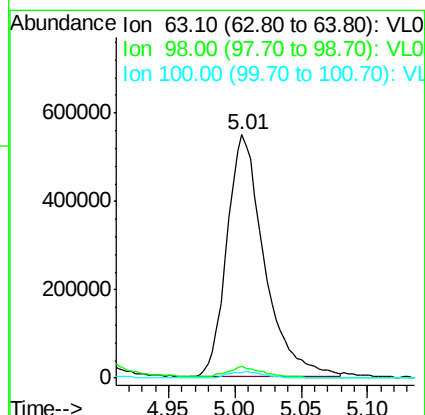
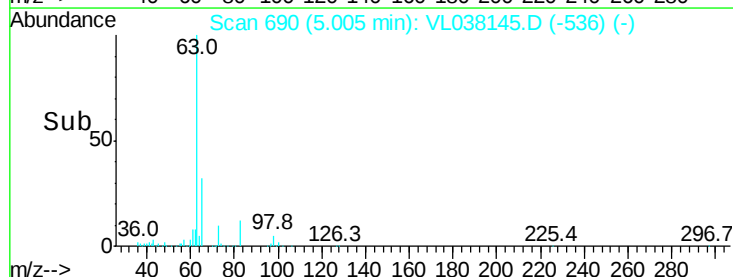
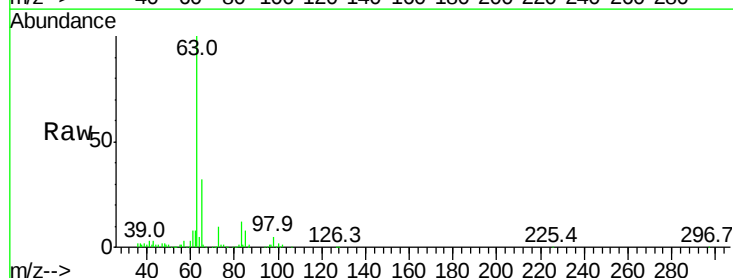
100 2.4

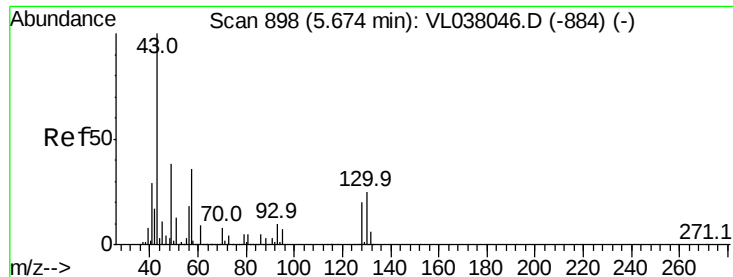
1.8

5.4

1.4

4.0



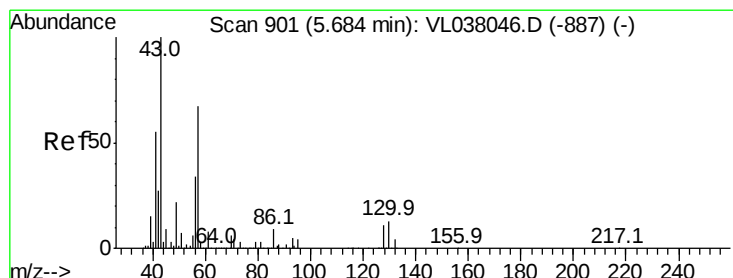
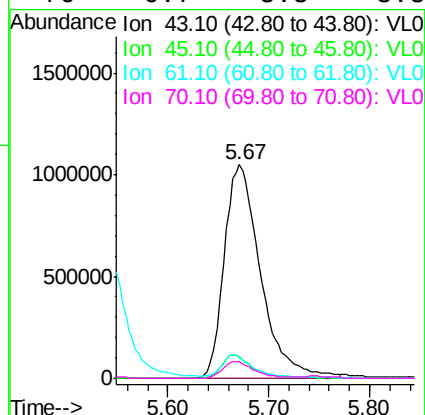
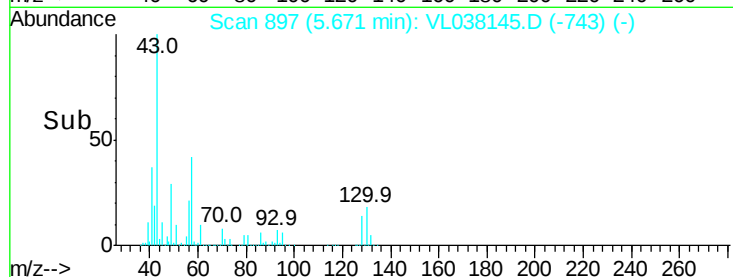
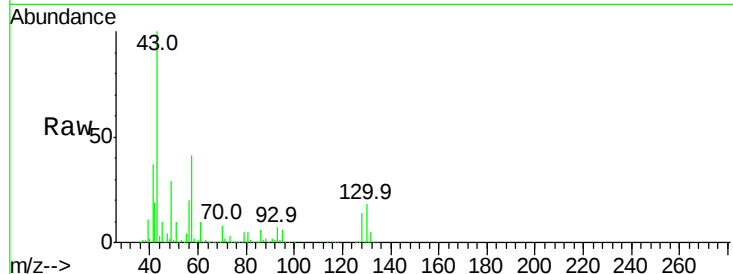


#25
Ethyl Acetate
Concen: 10.427 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VL1207ABS01
Acq: 7 Dec 2021 11:34

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

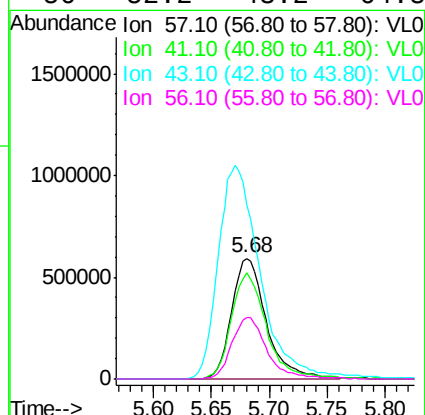
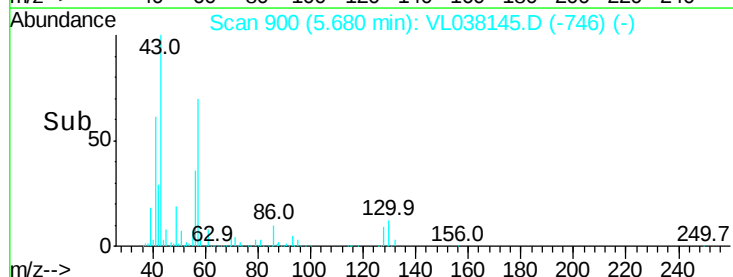
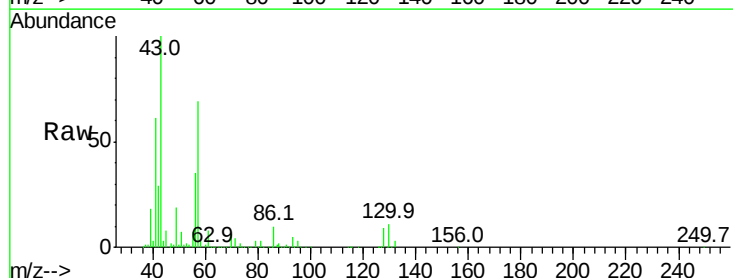
Manual Integrations
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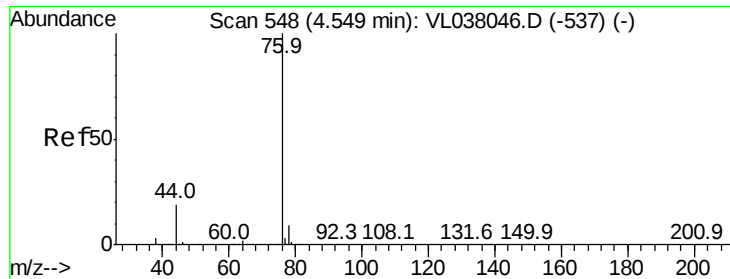
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#26
Hexane
Concen: 10.192 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 57 Resp: 1234808
Ion Ratio Lower Upper
57 100
41 90.0 71.4 107.2
43 214.7 174.6 261.8
56 52.2 43.2 64.8





#27

Carbon Disulfide

Concen: 11.430 ppbv

RT: 4.55

Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId : VL1207ABS01

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

76 100

44 19.

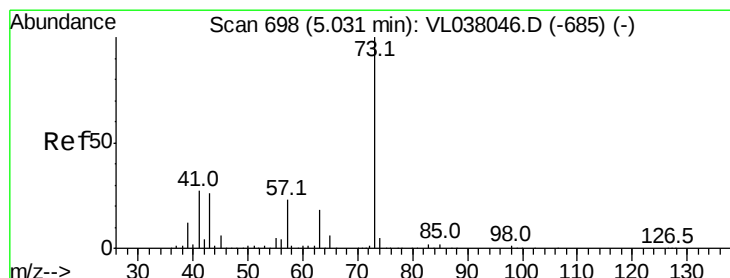
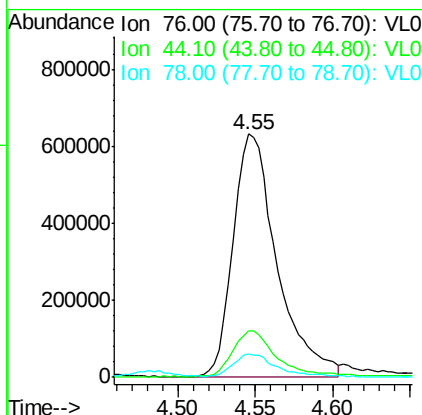
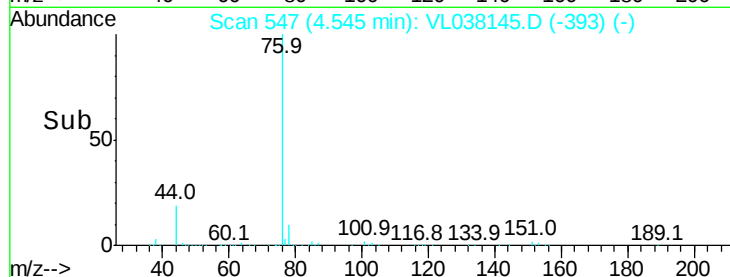
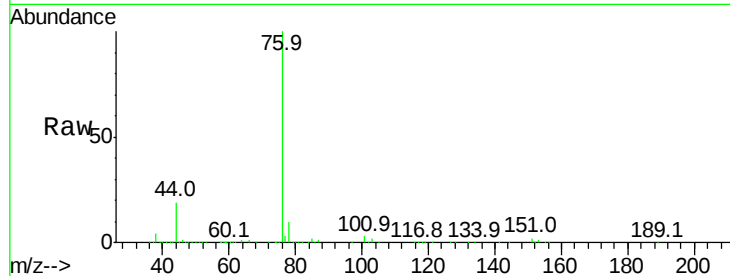
78 10.

Manual Integrations

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Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#28

Methyl tert-Butyl Ether

Concen: 11.351 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL038145.D

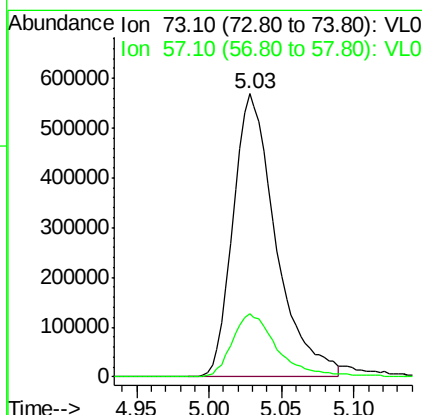
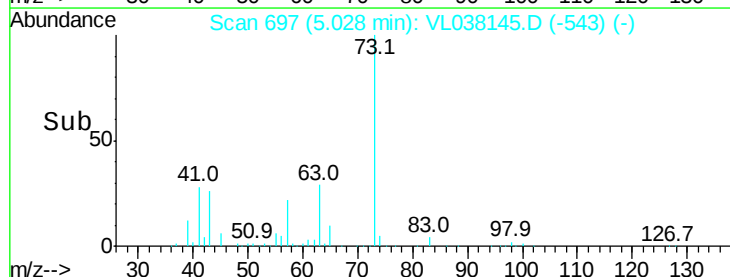
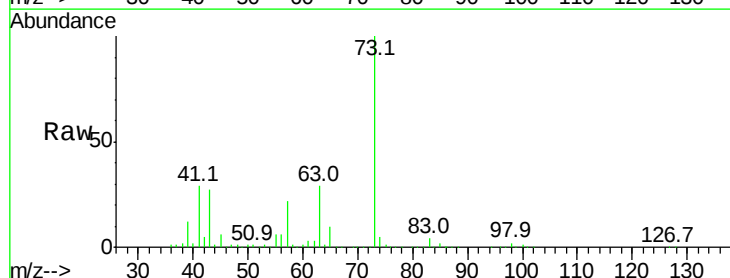
Acq: 7 Dec 2021 11:34

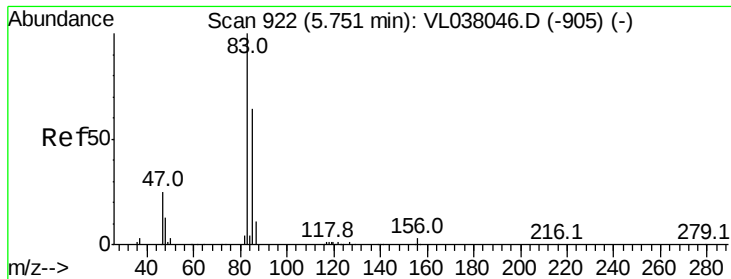
Tgt Ion: 73 Resp: 1168212

Ion Ratio Lower Upper

73 100

57 23.8 19.0 28.4



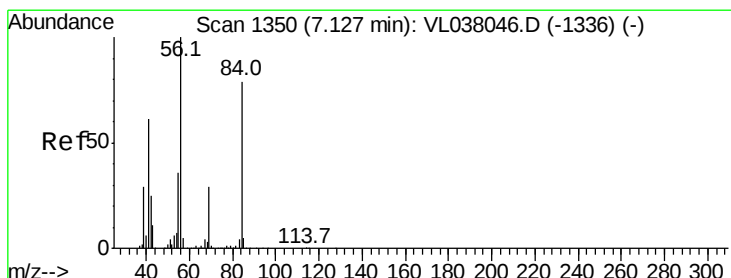
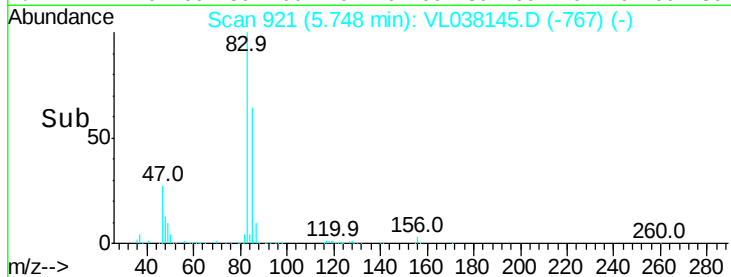
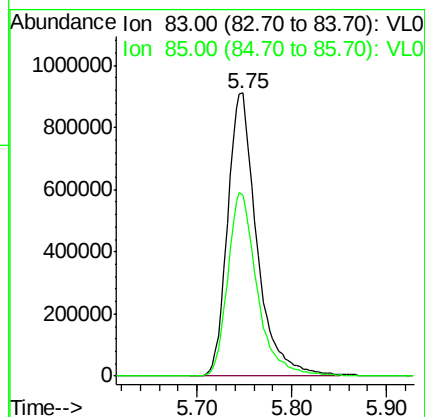
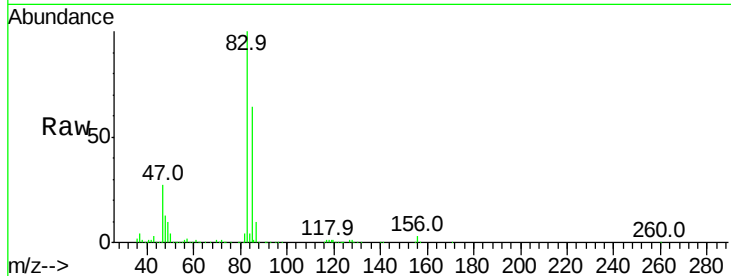


#29
Chloroform
Concen: 10.959 ppbv
RT: 5.75
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion:
Ion Ratio
83 100
85 63.

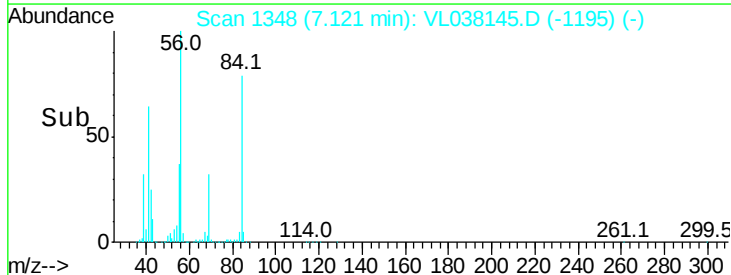
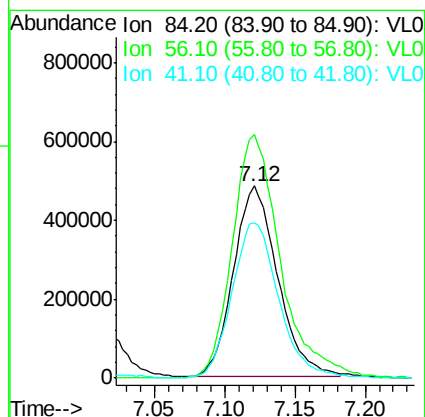
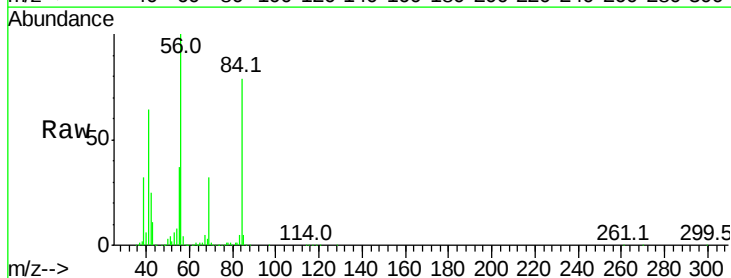
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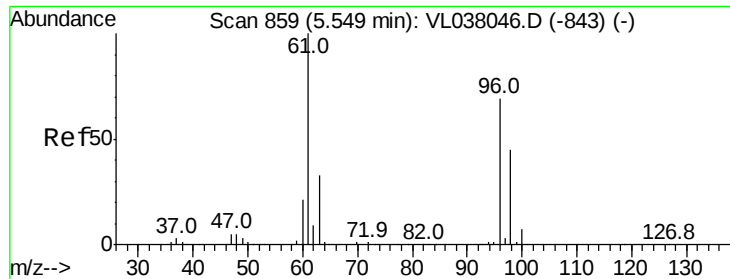
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#30
Cyclohexane
Concen: 9.667 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 84 Resp: 1063276
Ion Ratio Lower Upper
84 100
56 139.6 108.1 162.1
41 86.9 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 10.559 ppbv

RT: 5.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1207ABS01

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

61 100

96 63.

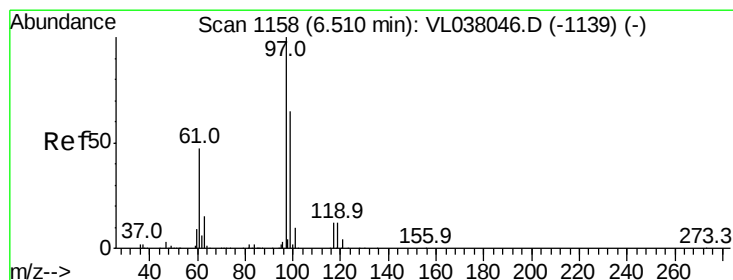
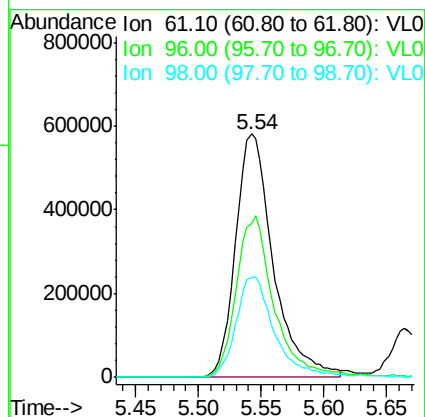
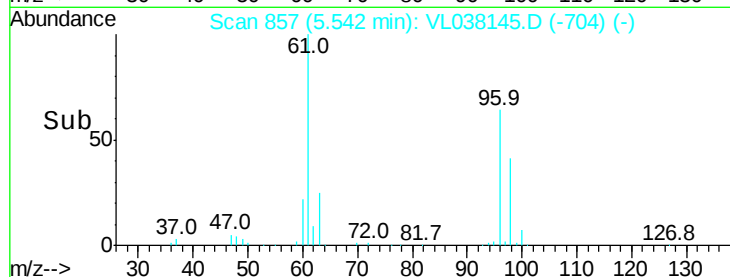
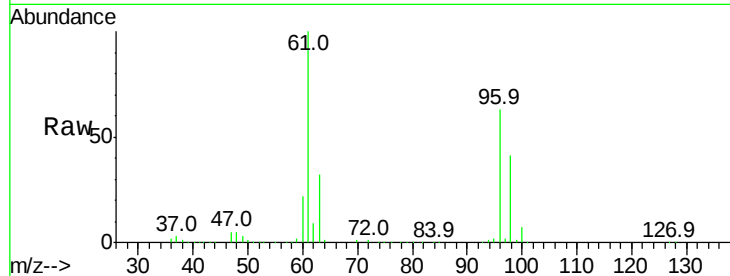
98 41.

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APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#32

1,1,1-Trichloroethane

Concen: 10.856 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

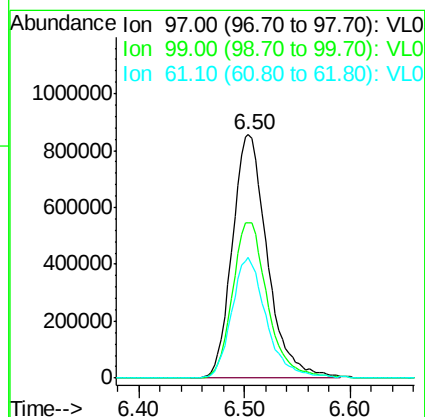
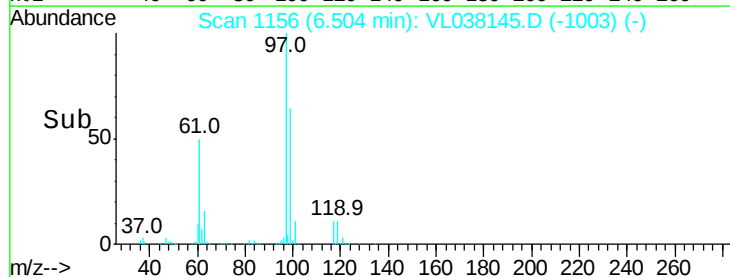
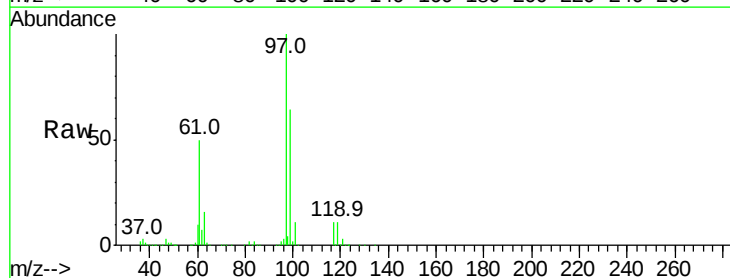
Tgt Ion: 97 Resp: 1967349

Ion Ratio Lower Upper

97 100

99 64.5 52.2 78.4

61 49.1 37.7 56.5



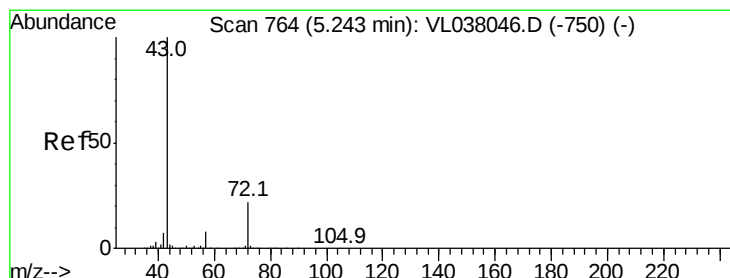
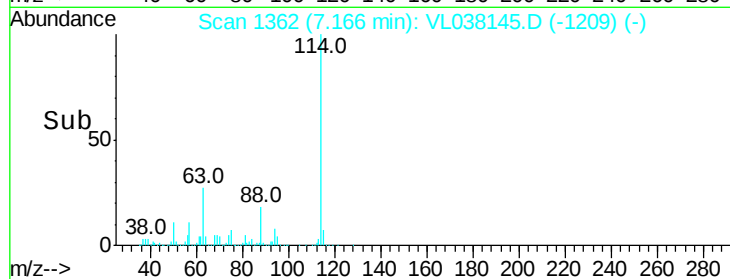
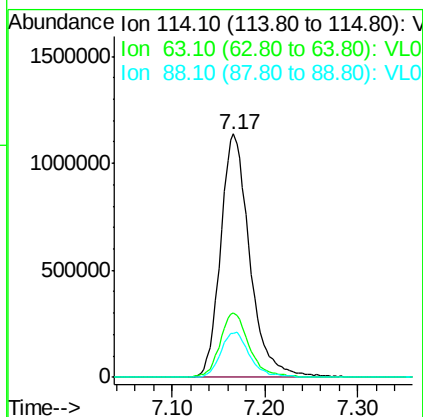
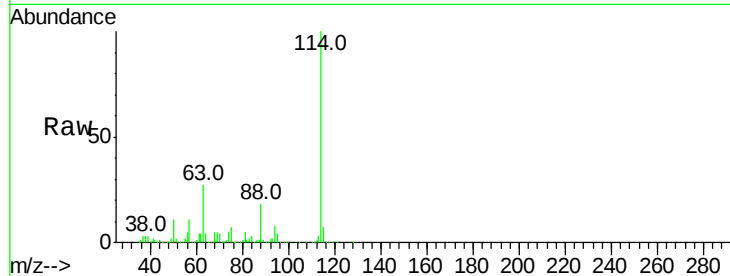


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1207ABS01
 Acq: 7 Dec 2021 11:34

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

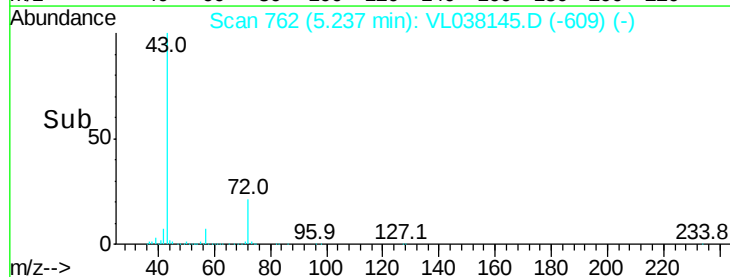
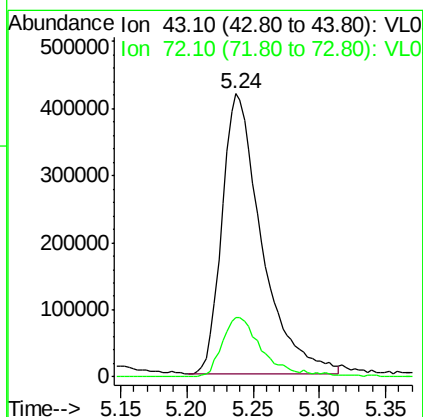
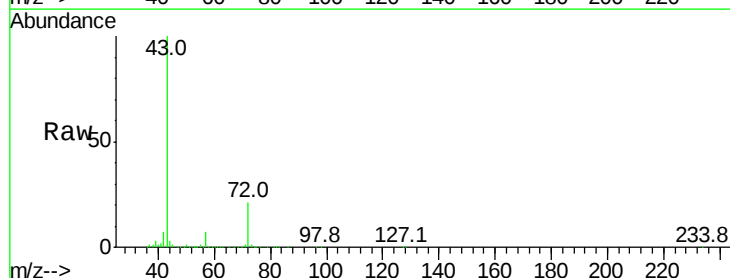
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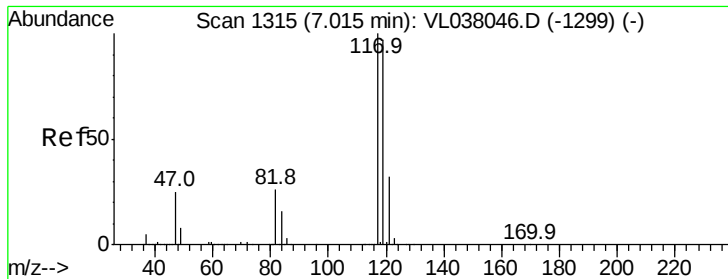
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#34
 2-Butanone
 Concen: 8.699 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion: 43 Resp: 870898
 Ion Ratio Lower Upper
 43 100
 72 21.9 18.8 28.2



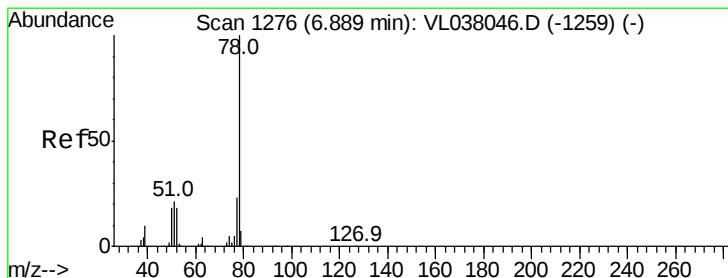
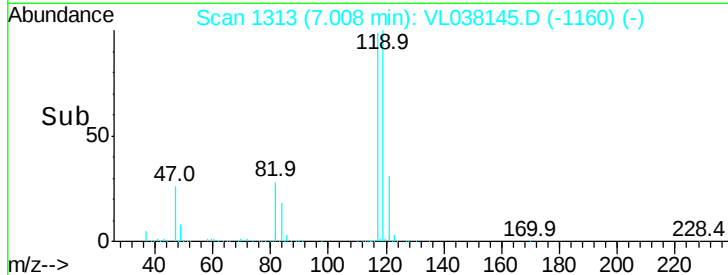
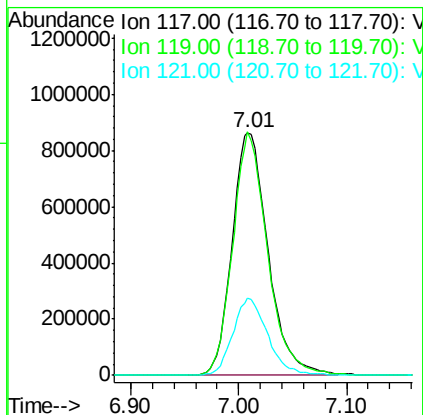
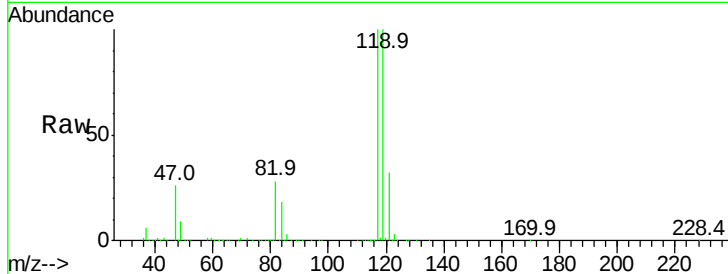


#35
Carbon Tetrachloride
Concen: 11.505 ppbv
RT: 7.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion: 1
Ion Ratio
117 100
119 100.
121 31.

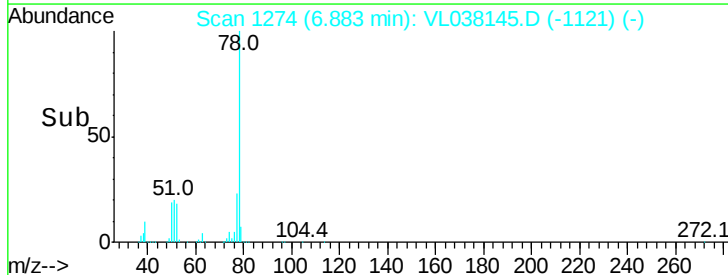
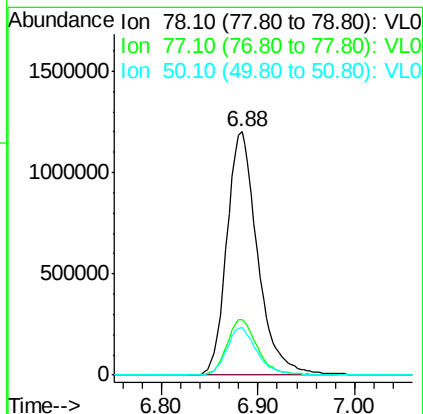
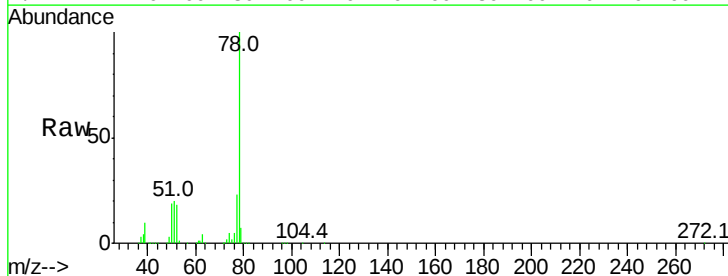
Manual Integrations
APPROVED

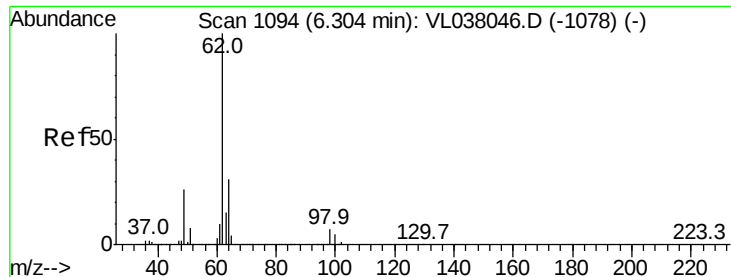
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#36
Benzene
Concen: 10.719 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 78 Resp: 2654890
Ion Ratio Lower Upper
78 100
77 23.0 18.2 27.4
50 19.4 14.7 22.1



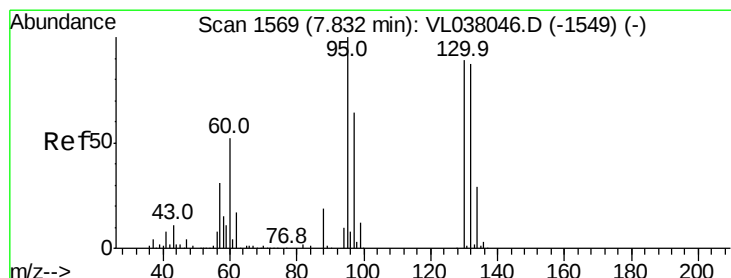
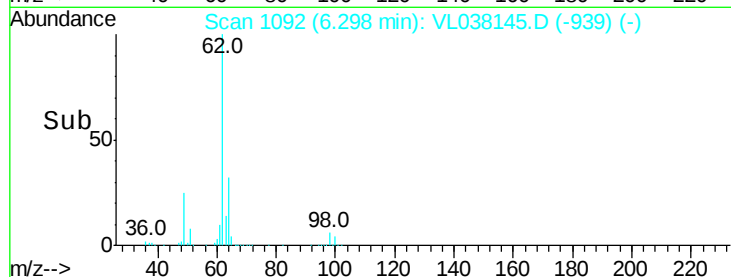
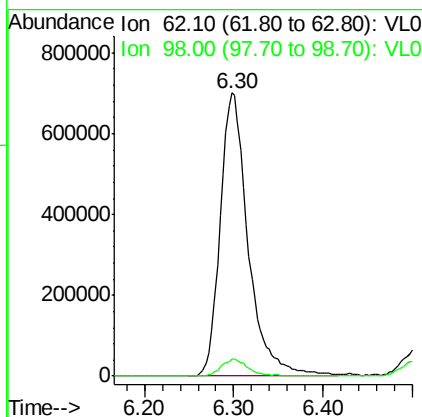
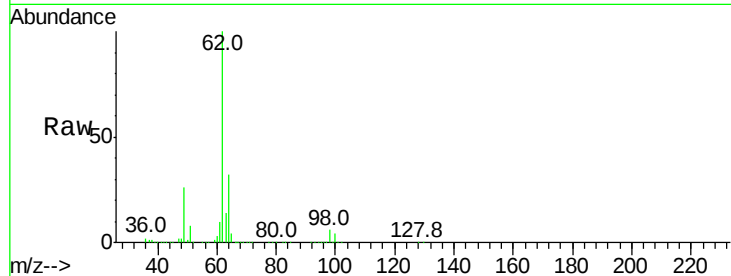


#37
 1,2-Dichloroethane
 Concen: 12.762 ppbv
 RT: 6.30
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId : VL1207ABS01
 Acq: 7 Dec 2021 11:34

Tot Ion:
 Ion Ratio
 62 100
 98 5.

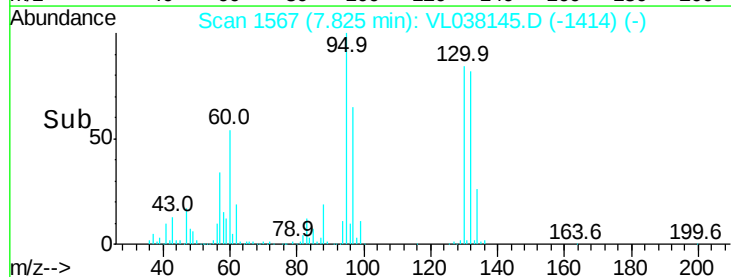
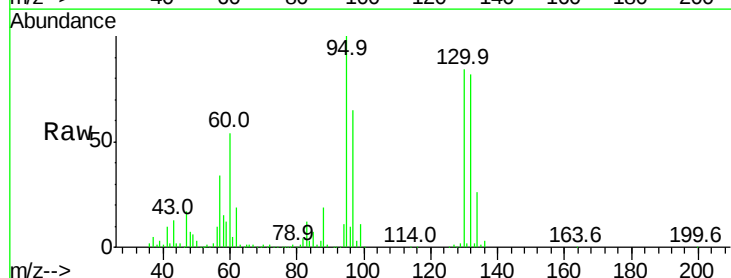
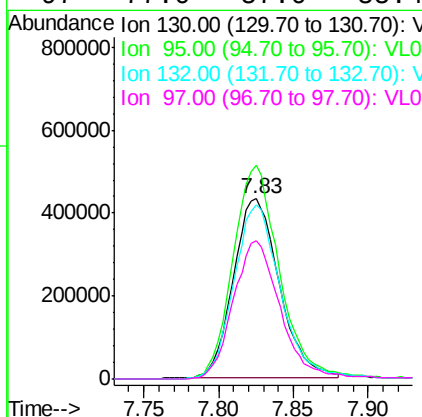
Manual Integrations
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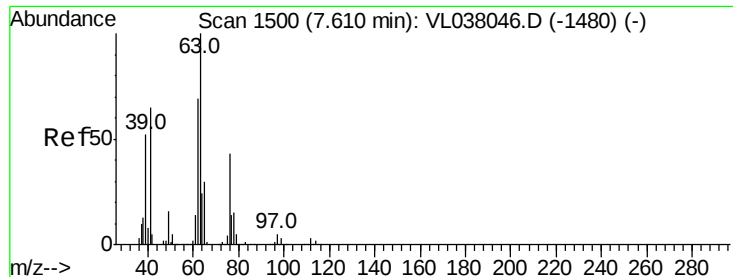
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#38
 Trichloroethene
 Concen: 9.908 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion:130 Resp: 925636
 Ion Ratio Lower Upper
 130 100
 95 119.1 89.4 134.2
 132 97.2 78.2 117.2
 97 77.0 57.0 85.4





#39

1,2-Dichloropropane

Concen: 10.933 ppbv

RT: 7.60

Delta R.T. MSVOA_L

Lab File: ClientSampleId : VL1207ABS01

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

63 100

41 71.

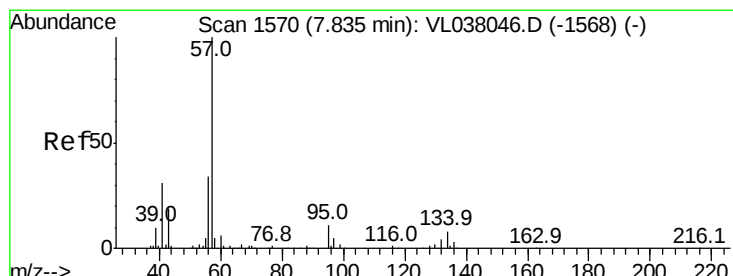
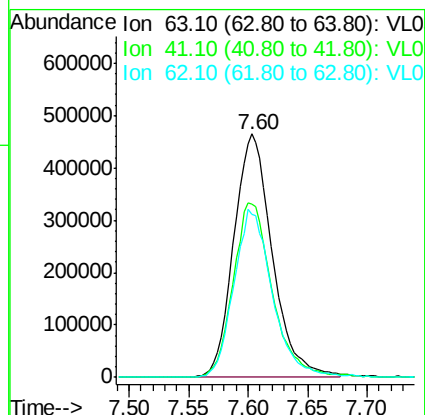
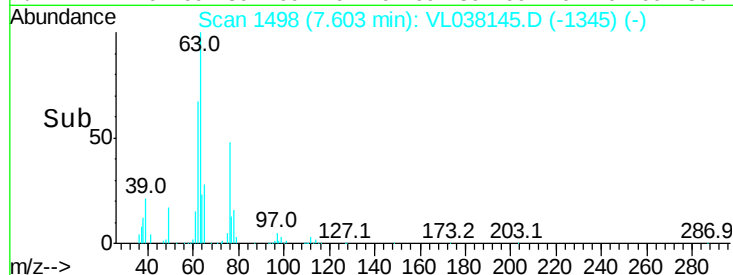
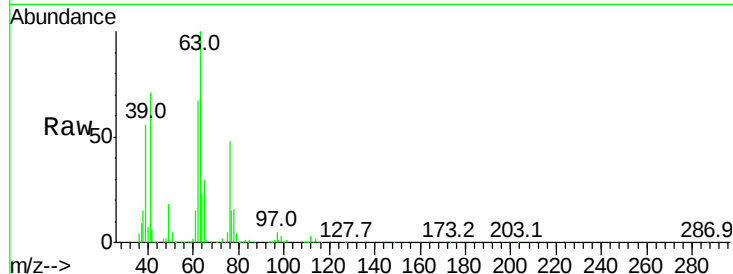
62 67.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#40

1,4-Dioxane

Concen: 10.471 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

Tgt Ion: 88 Resp: 259188

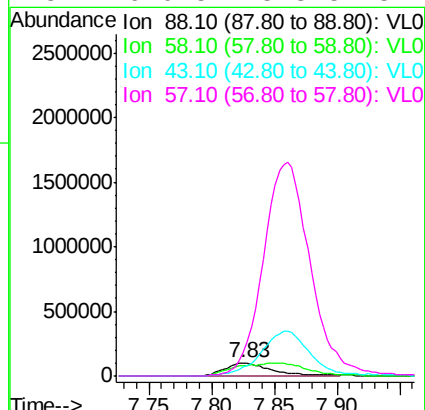
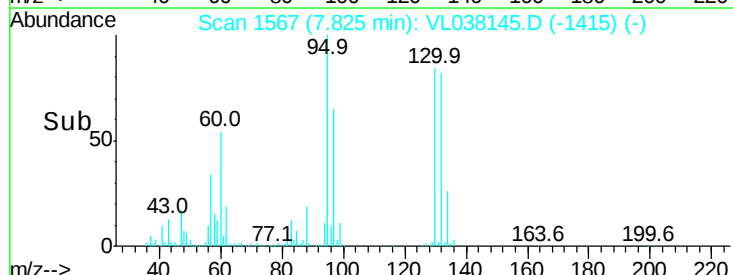
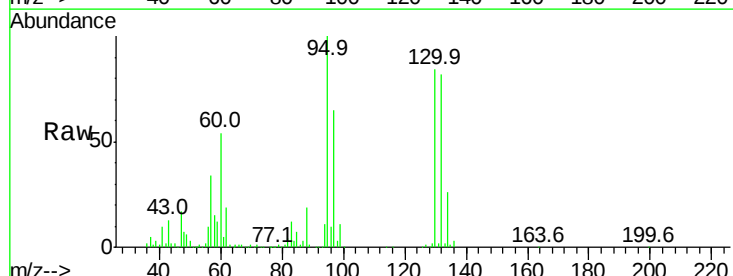
Ion Ratio Lower Upper

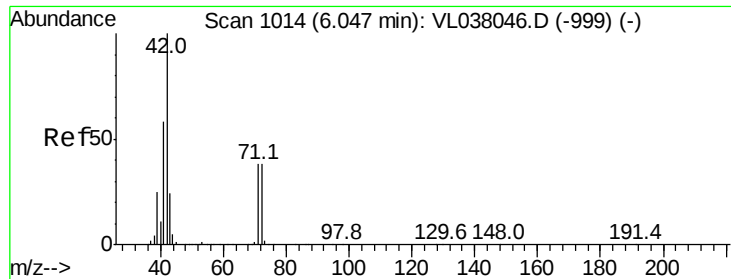
88 100

58 155.5 229.2 343.8#

43 375.9 553.3 829.9#

57 1670.8 2513.8 3770.8#



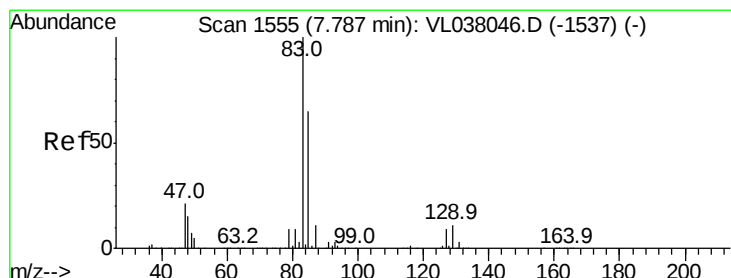
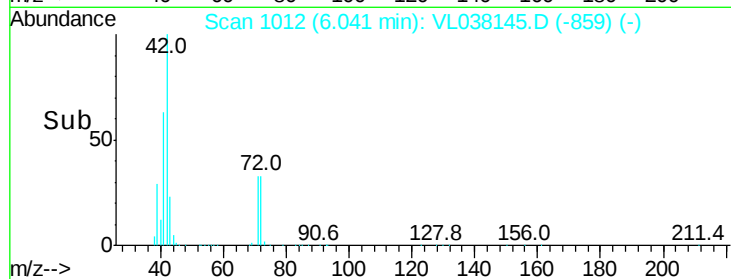
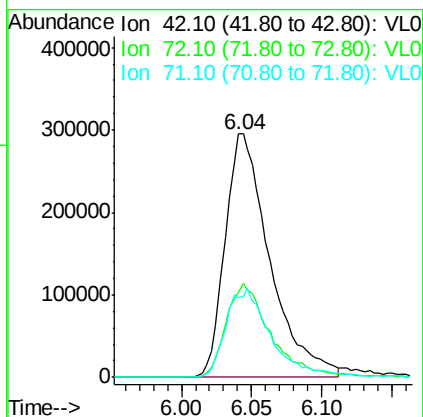
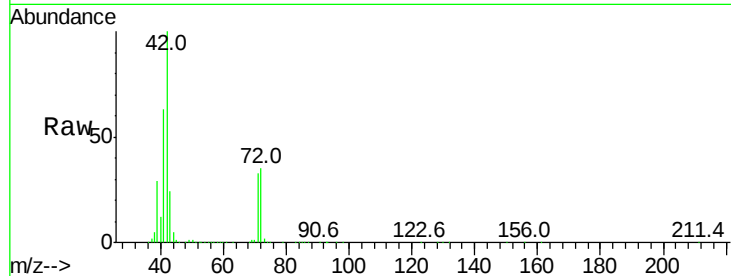


#41
Tetrahydrofuran
Concen: 10.481 ppbv
RT: 6.04
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion:
Ion Ratio
42 100
72 39.
71 37.

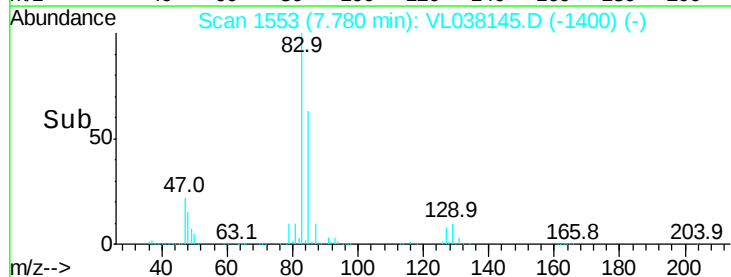
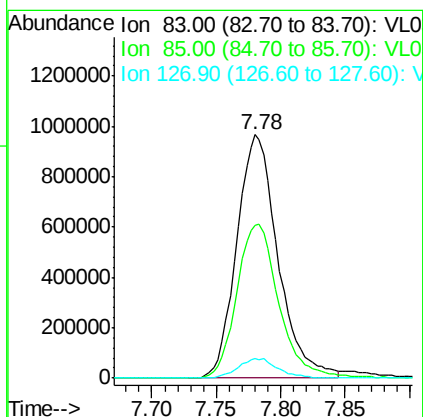
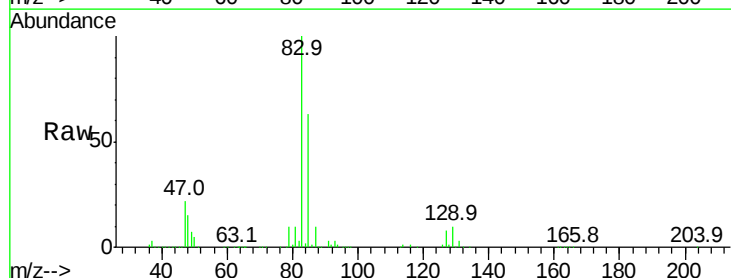
Manual Integrations
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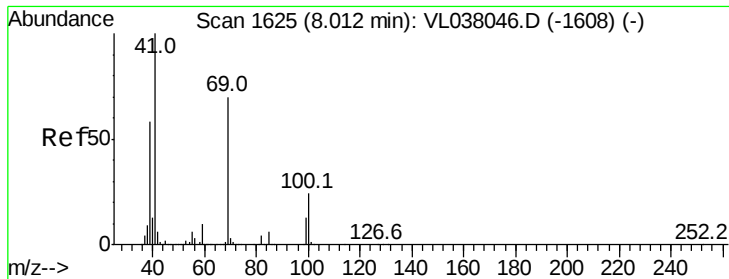
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#42
Bromodichloromethane
Concen: 11.810 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 83 Resp: 2147599
Ion Ratio Lower Upper
83 100
85 62.8 51.9 77.9
127 7.8 6.8 10.2



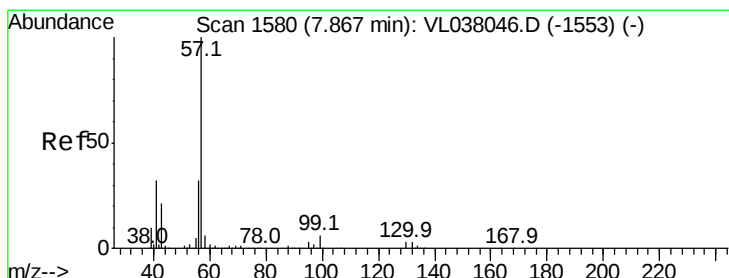
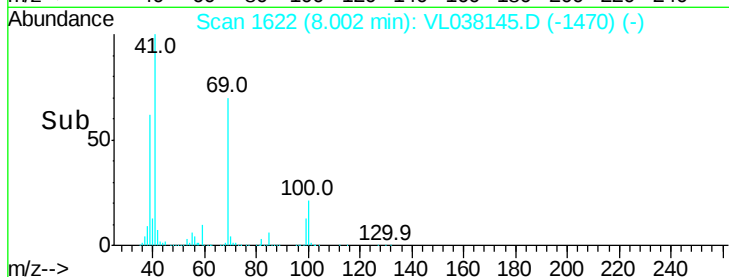
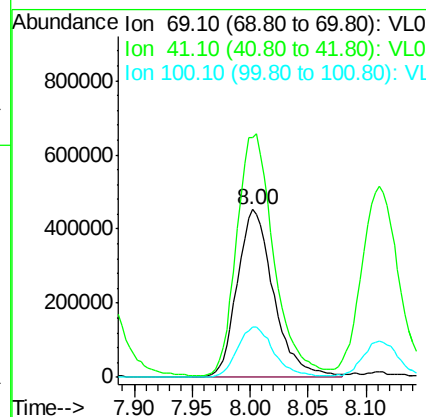
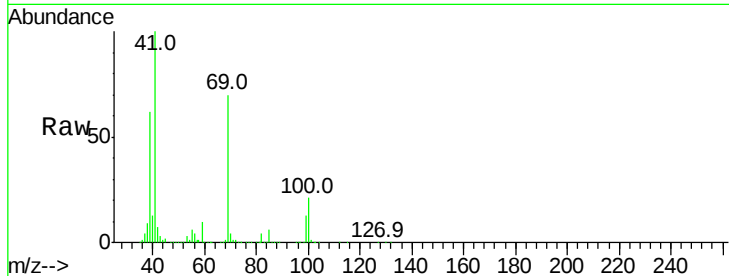


#43
Methvl Methacrvlate
Concen: 11.676 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion:
Ion Ratio
69 100
41 148.
100 30.

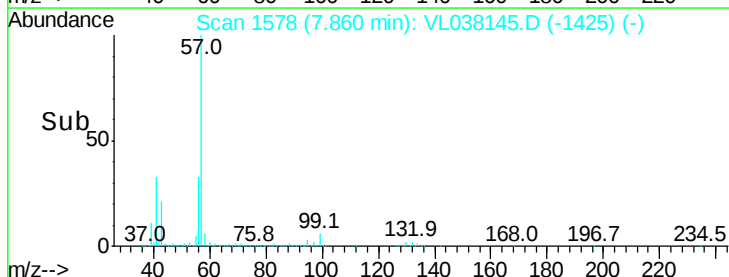
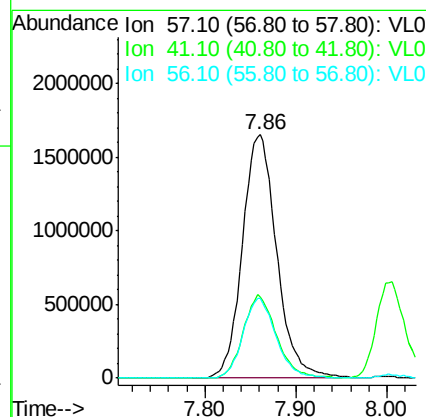
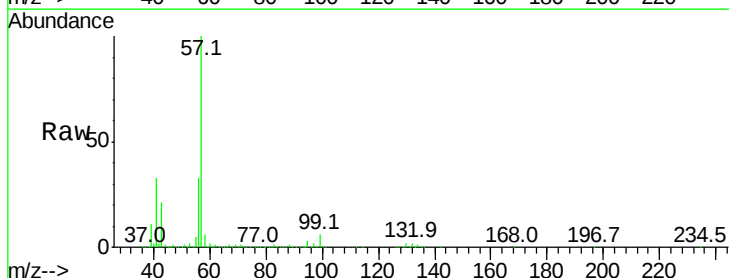
Manual Integrations
APPROVED

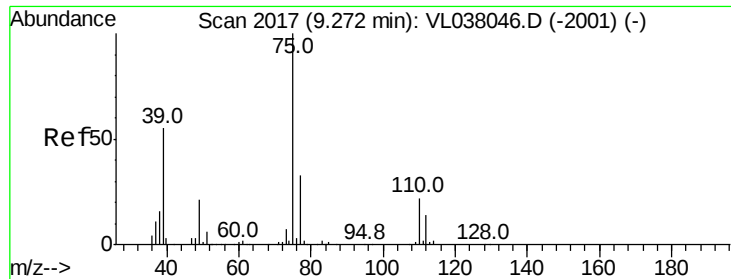
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#44
2,2,4-Trimethylpentane
Concen: 10.427 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 57 Resp: 4320653
Ion Ratio Lower Upper
57 100
41 33.1 25.8 38.6
56 31.8 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 12.933 ppbv

RT: 9.27 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion:

Ion Ratio

75 100

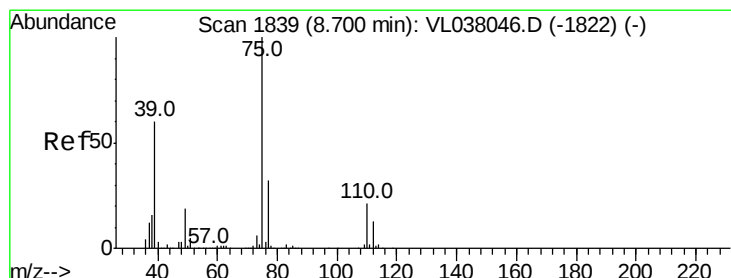
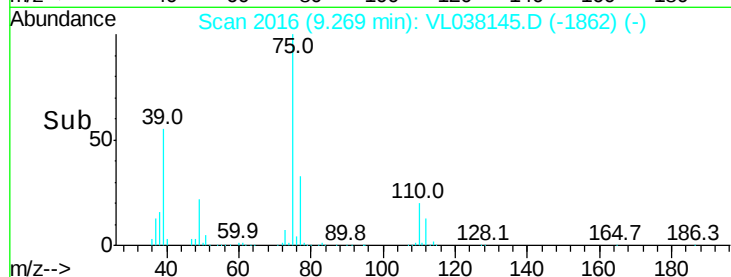
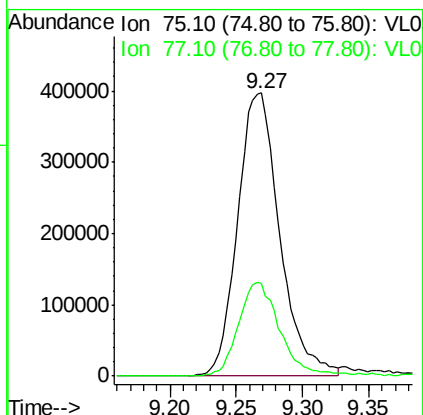
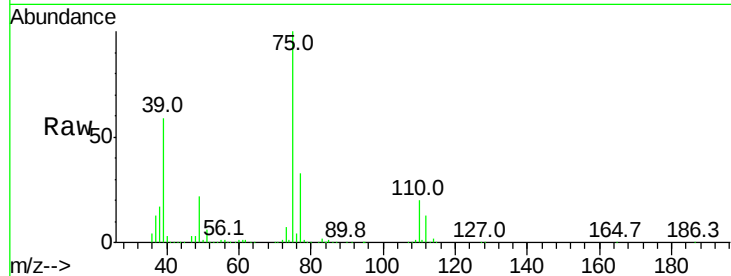
77 33.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#46

cis-1,3-Dichloropropene

Concen: 12.229 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

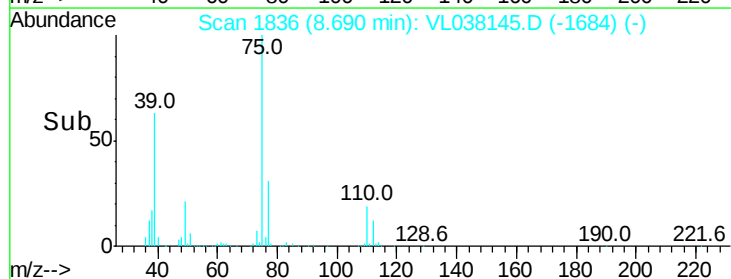
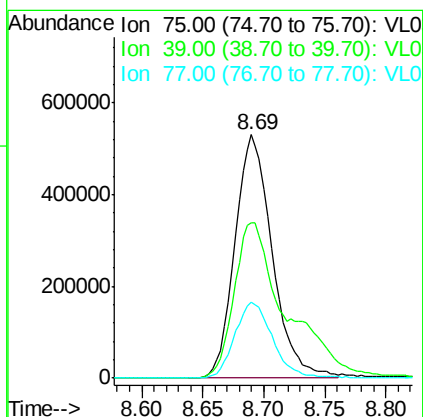
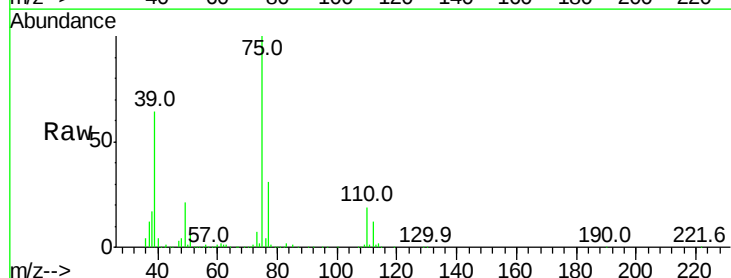
Tgt Ion: 75 Resp: 1124206

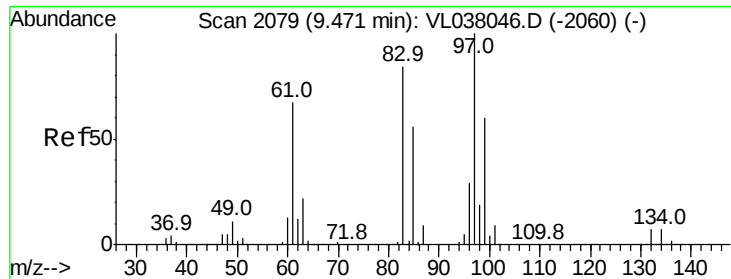
Ion Ratio Lower Upper

75 100

39 63.7 47.8 71.8

77 31.3 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 10.621 ppbv

RT: 9.46

Instrument: MSVOA_1

Delta R.T.:

Client Sample Id: VL1207ABS01

Lab File:

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

Ion	Ratio
97	100
83	90
85	59
99	63.0

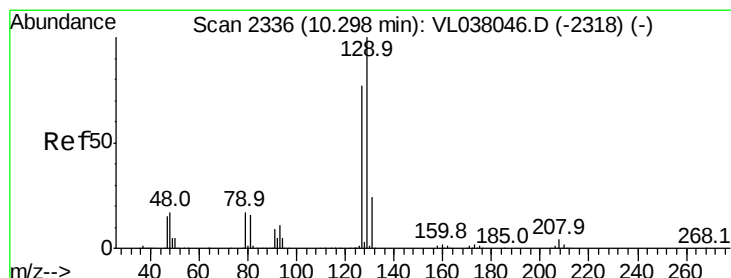
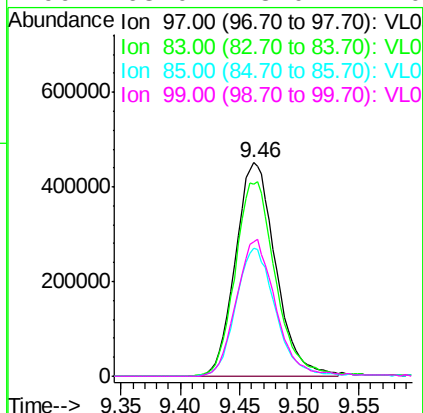
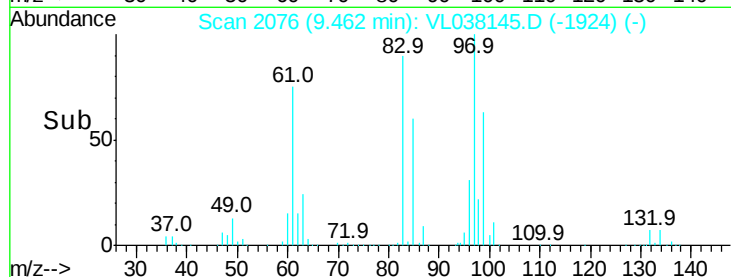
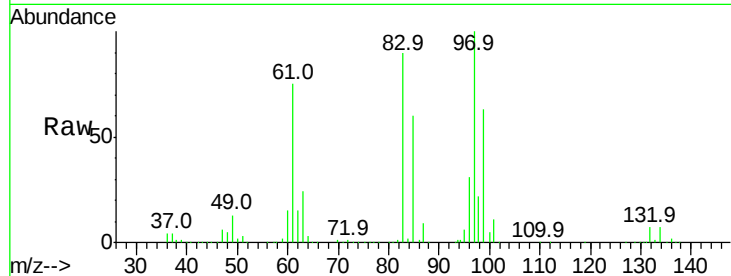
48.0 72.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#48

Dibromochloromethane

Concen: 11.260 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. -0.01 min

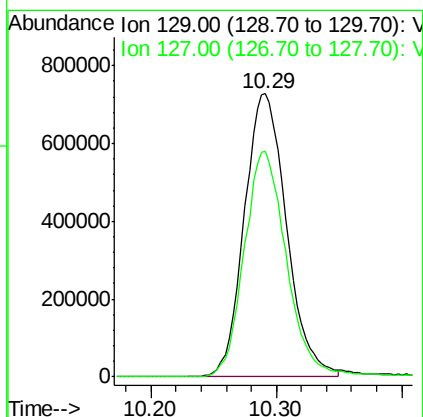
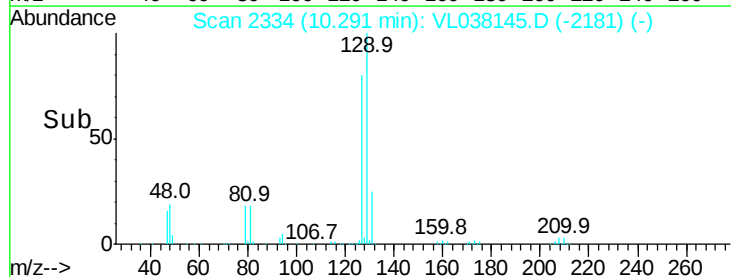
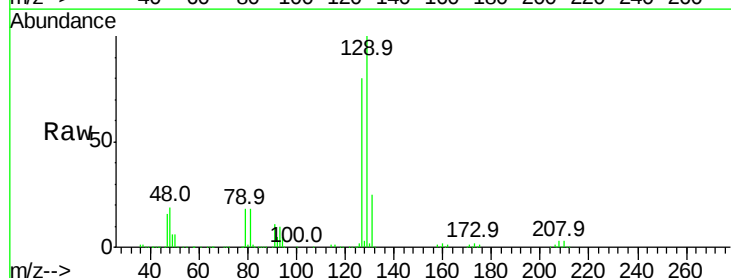
Lab File: VL038145.D

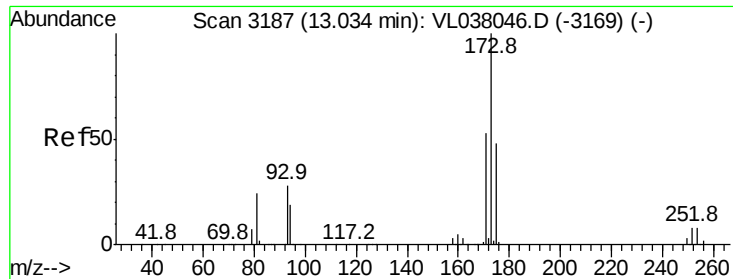
Acq: 7 Dec 2021 11:34

Tgt Ion:129 Resp: 1706277

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
129	100		
127	81.1	39.4	118.1





#49

Bromoform

Concen: 11.609 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 11:34

Tot Ion:1

Ion Ratio

173 100

175 50.

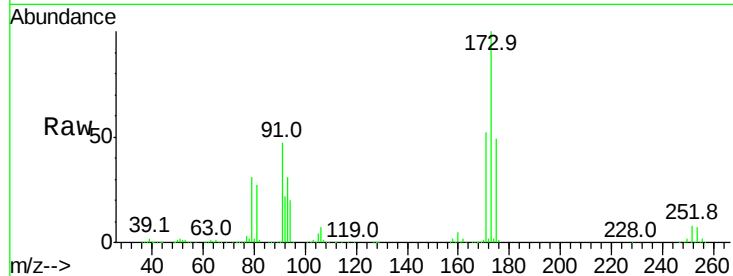
171 53.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

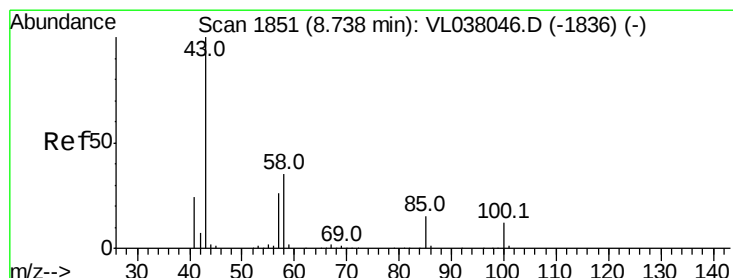
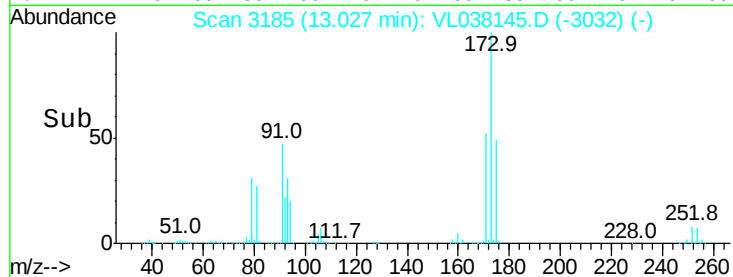
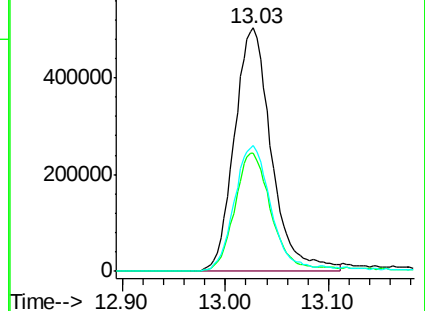
Supervised By :Semsettin Yesilyurt 12/08/2021



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: 11.654 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.01 min

Lab File: VL038145.D

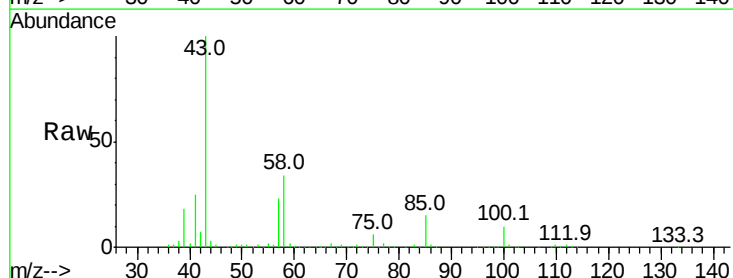
Acq: 7 Dec 2021 11:34

Tgt Ion: 43 Resp: 1771970

Ion Ratio Lower Upper

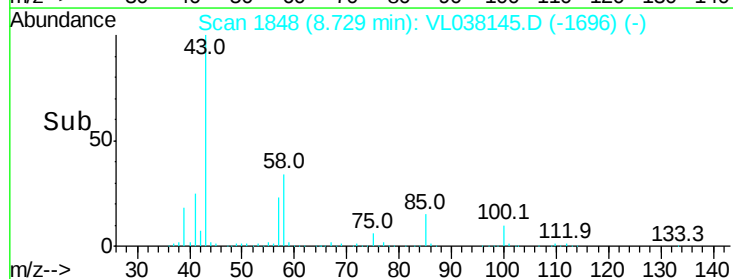
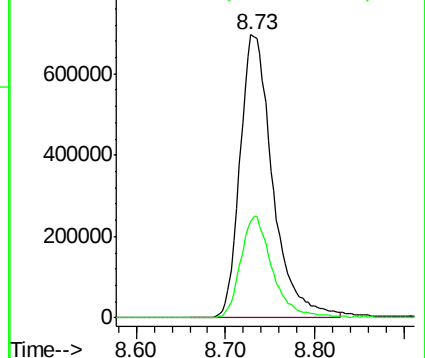
43 100

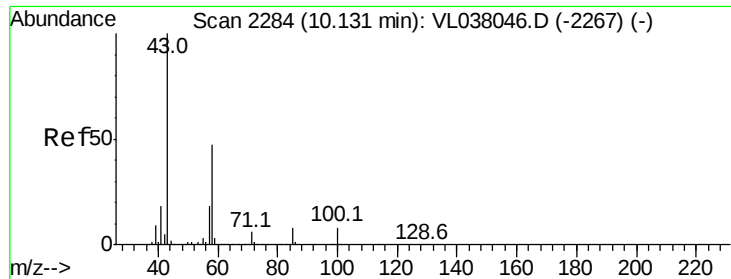
58 35.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.547 ppbv

RT: 10.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 11:34

Tot Ion:

Ion Ratio

43 100

58 48.

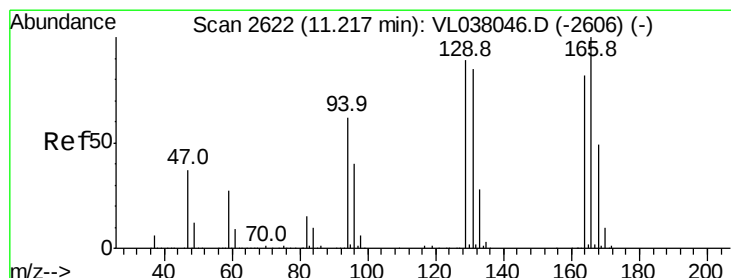
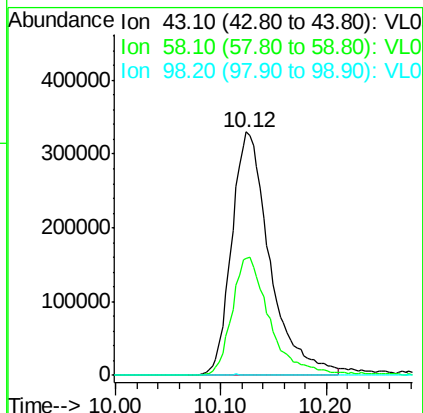
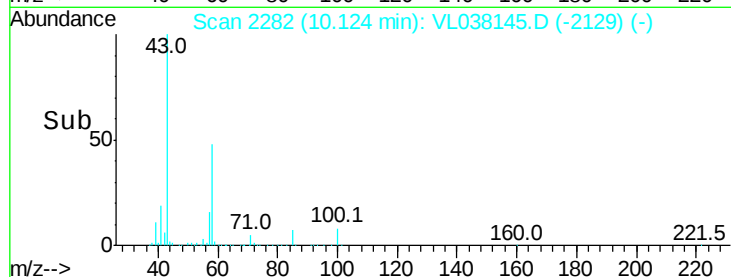
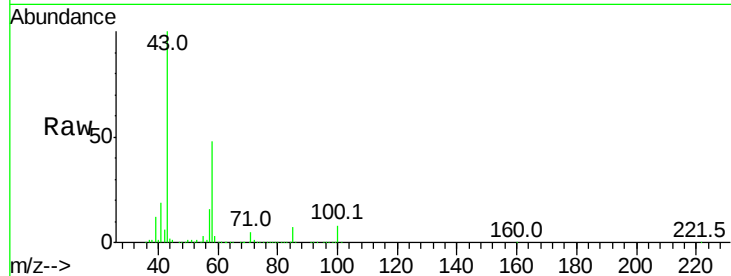
98 0.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#52

Tetrachloroethene

Concen: 9.377 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

Tgt Ion:164 Resp: 859358

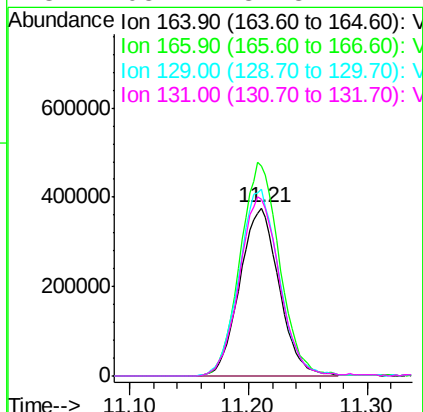
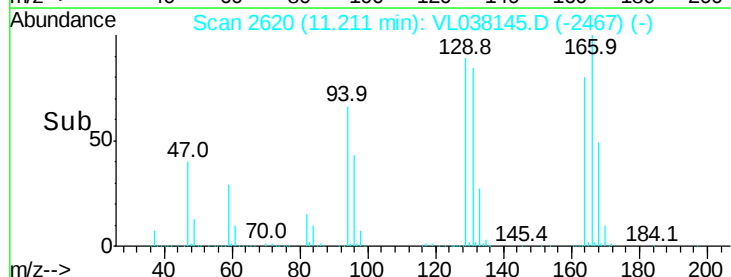
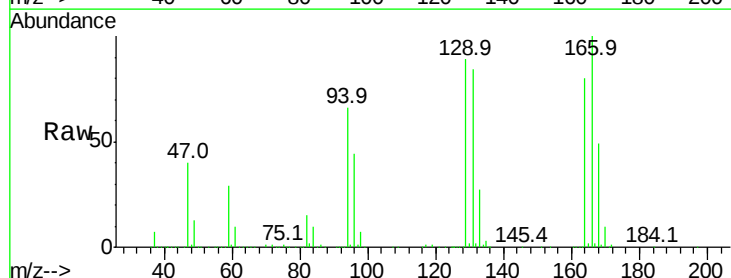
Ion Ratio Lower Upper

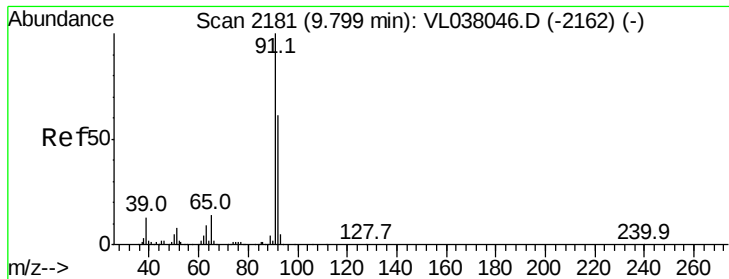
164 100

166 125.0 97.2 145.8

129 111.6 86.9 130.3

131 105.1 82.8 124.2





#53

Toluene

Concen: 10.421 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion:

Ion Ratio

91 100

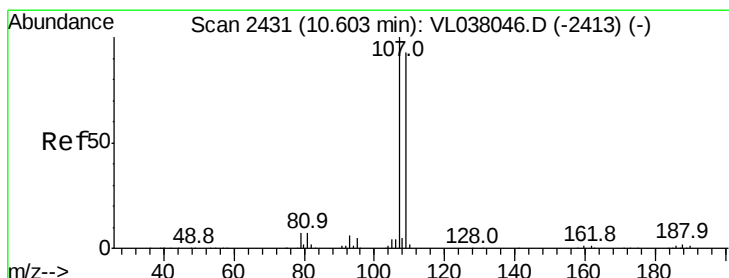
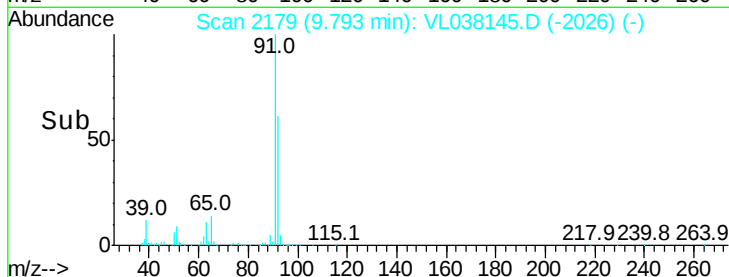
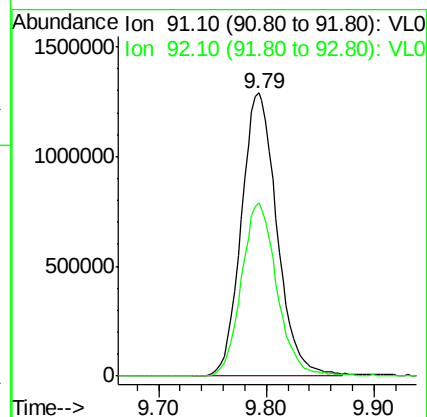
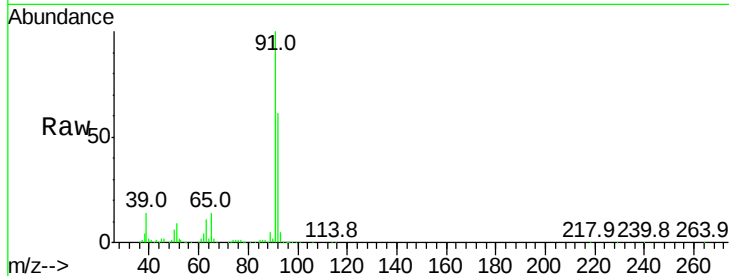
92 60.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#54

1,2-Dibromoethane

Concen: 10.905 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.01 min

Lab File: VL038145.D

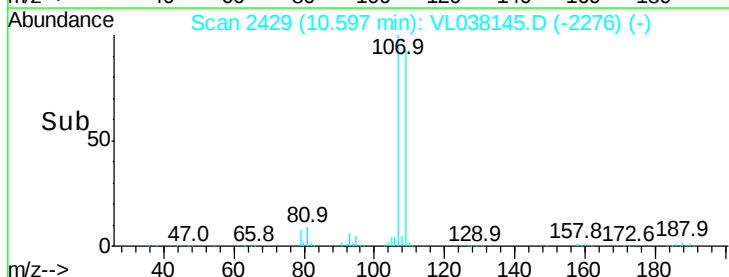
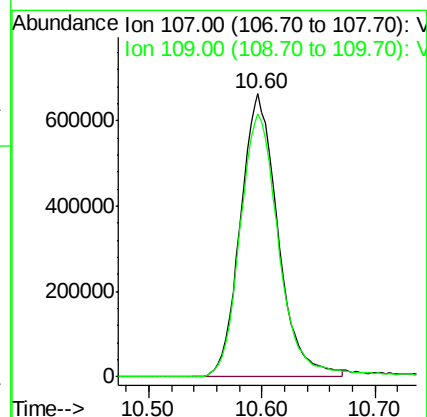
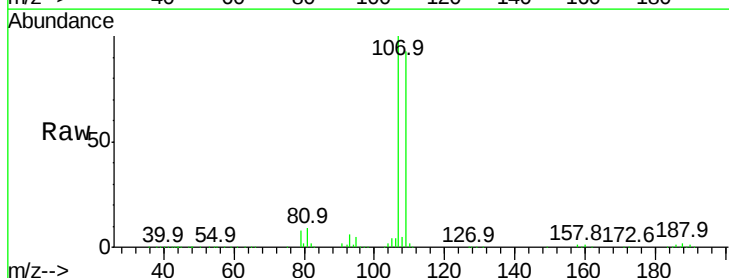
Acq: 7 Dec 2021 11:34

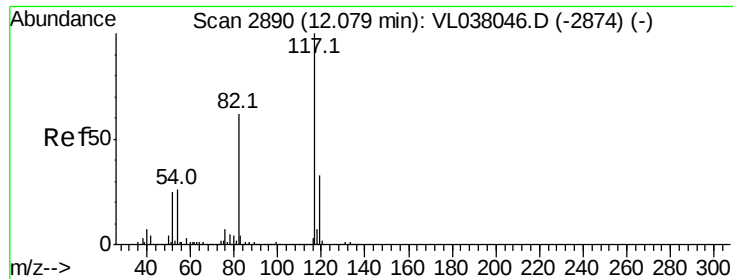
Tgt Ion:107 Resp: 1532738

Ion Ratio Lower Upper

107 100

109 92.8 74.6 111.8



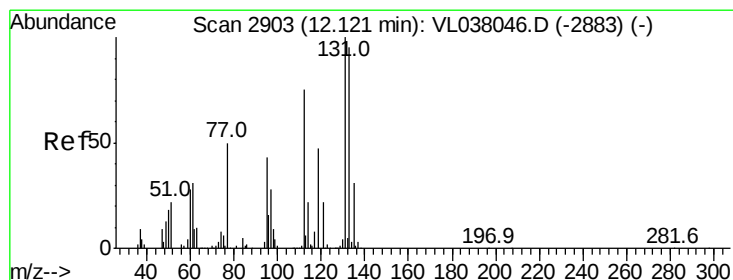
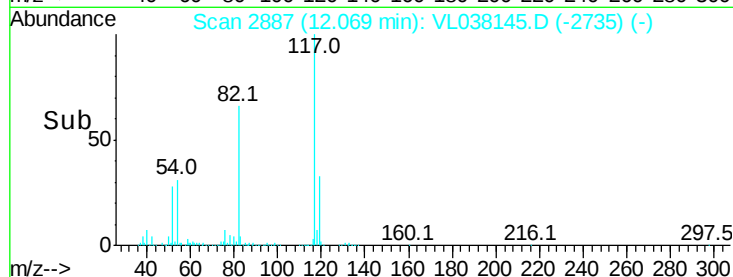
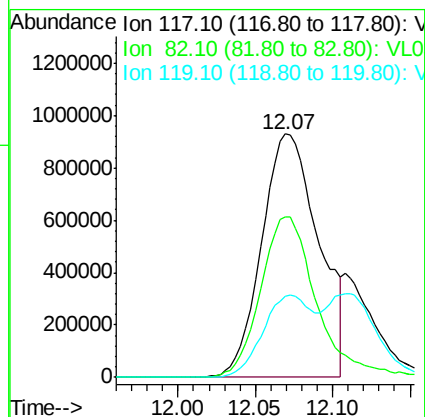
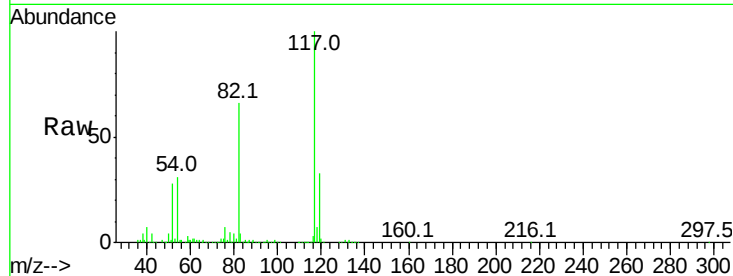


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion:1
Ion Rati
117 100
82 66.
119 28.

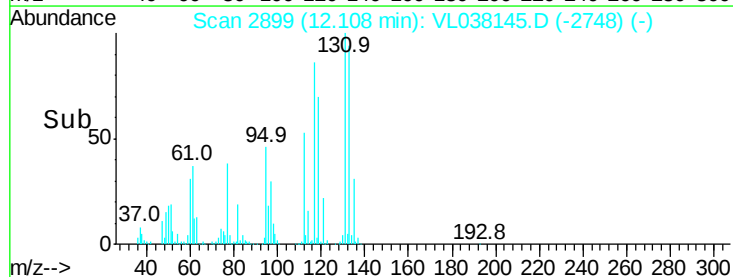
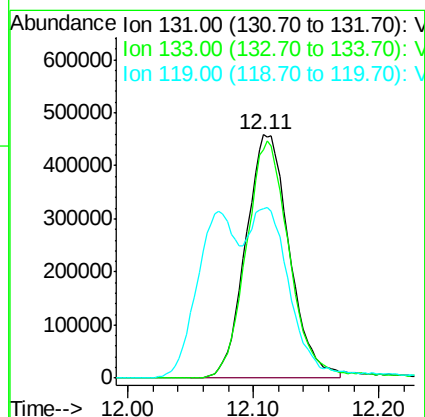
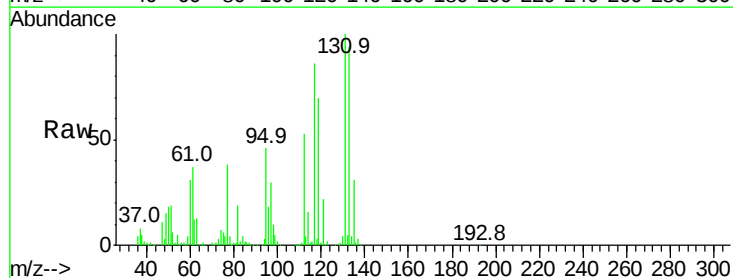
Manual Integrations
APPROVED

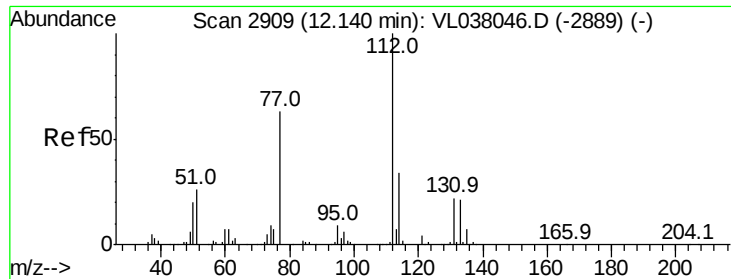
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 10.240 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion:131 Resp: 1108649
Ion Ratio Lower Upper
131 100
133 98.7 78.8 118.2
119 76.1 56.3 84.5



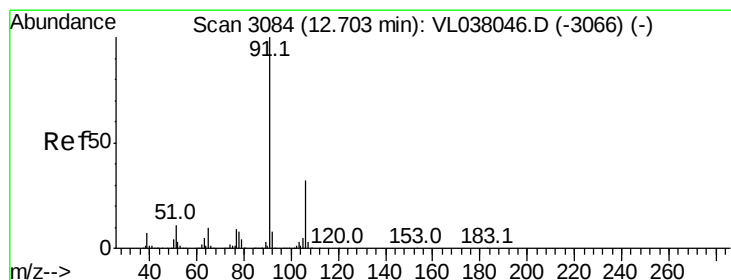
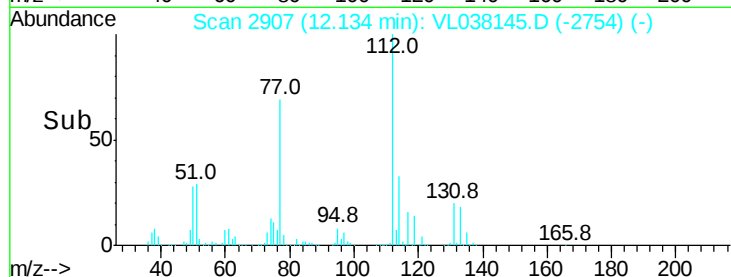
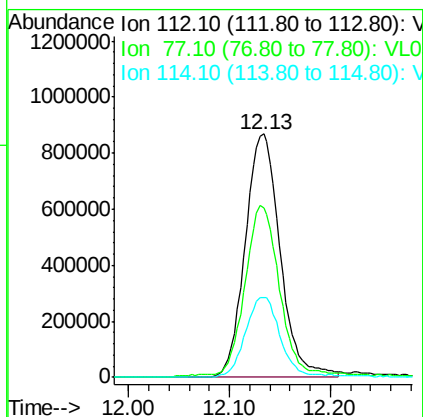
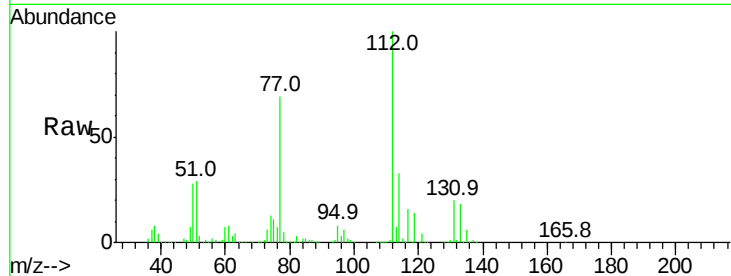


#57
Chlorobenzene
Concen: 9.763 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

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

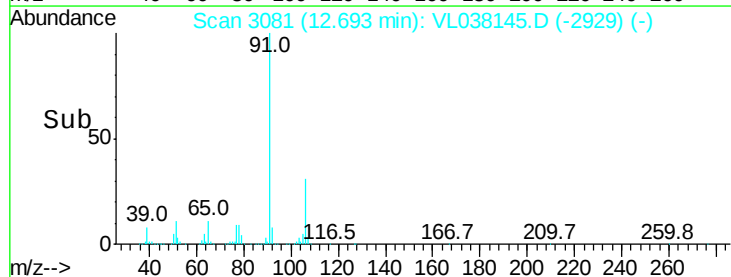
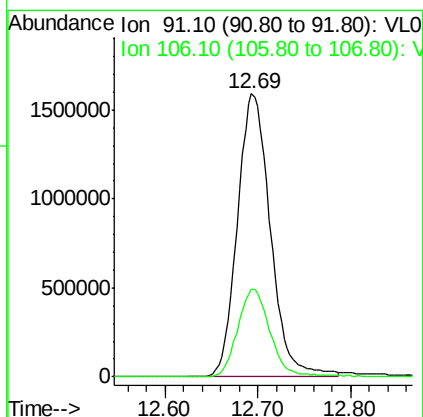
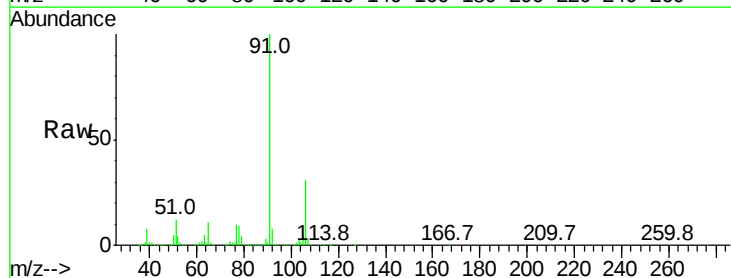
Manual Integrations
APPROVED

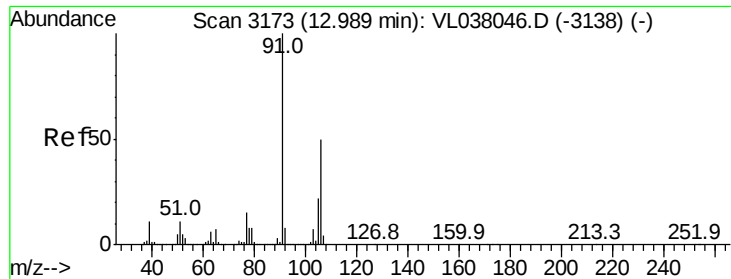
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#58
Ethyl Benzene
Concen: 9.995 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 91 Resp: 3939826
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.6



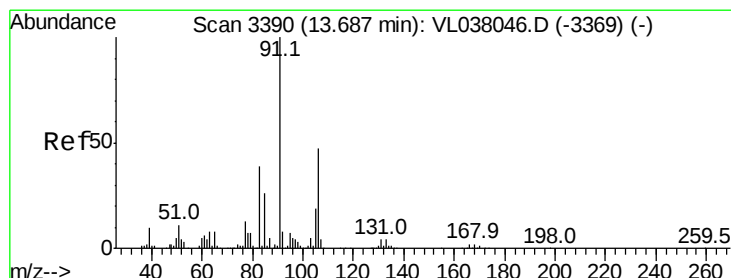
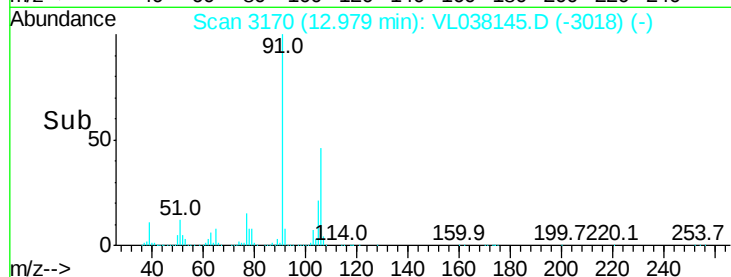
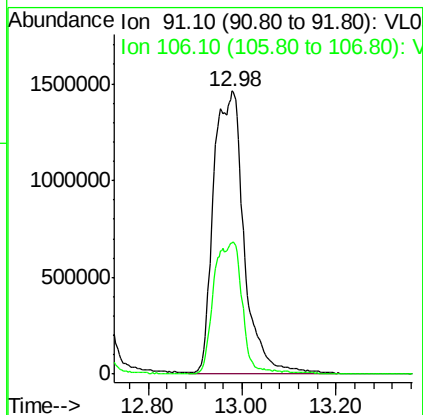
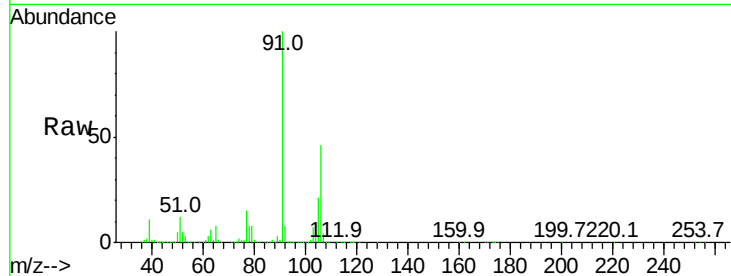


#59
m/p-Xylene
Concen: 19.901 ppbv m
RT: 12.98 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 11:34

Tot Ion:
Ion Ratio
91 100
106 43.

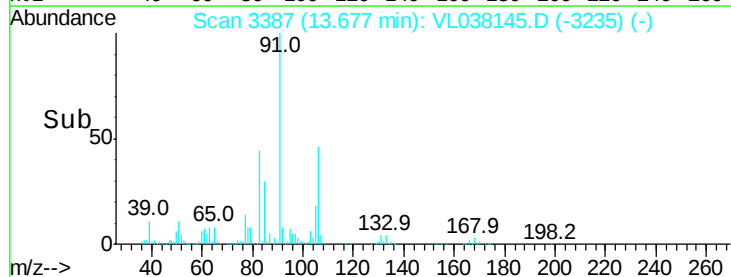
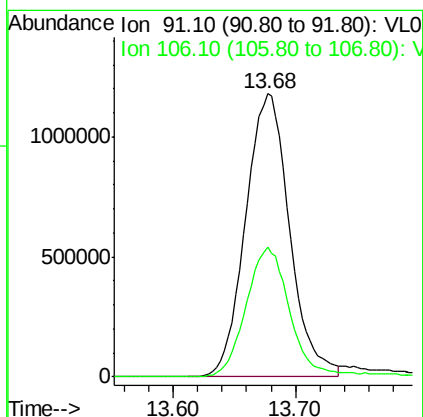
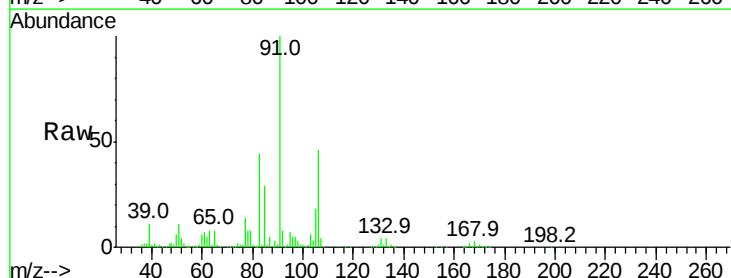
Manual Integrations
APPROVED

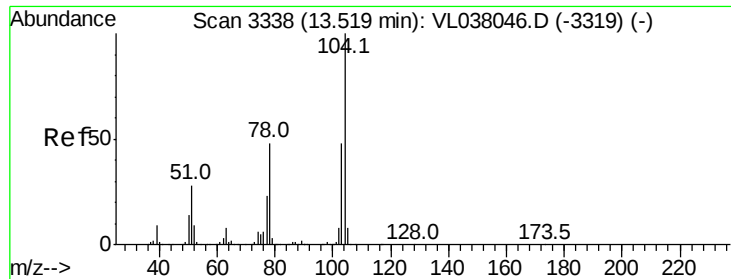
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#60
o-Xylene
Concen: 9.534 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 91 Resp: 2934655
Ion Ratio Lower Upper
91 100
106 47.2 24.2 72.6





#61

Stvrene

Concen: 9.922 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 11:34 VL1207ABS01

Tot Ion:1

Ion Ratio

104 100

78 54.

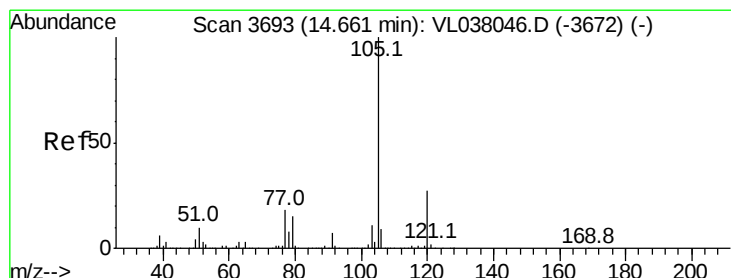
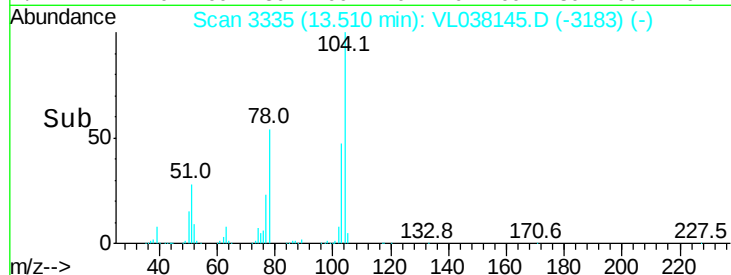
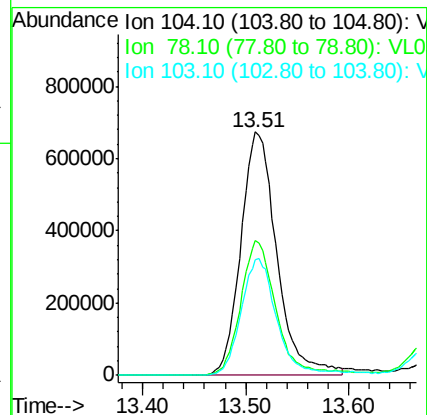
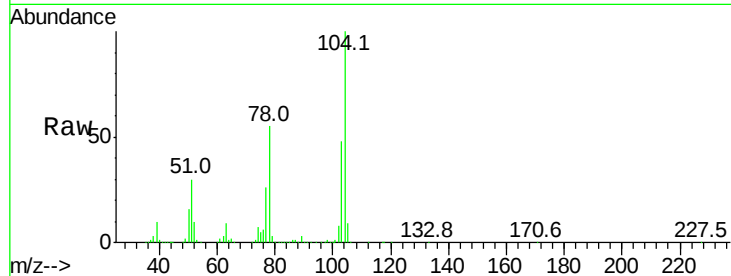
103 48.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#62

Isopropylbenzene

Concen: 9.315 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.01 min

Lab File: VL038145.D

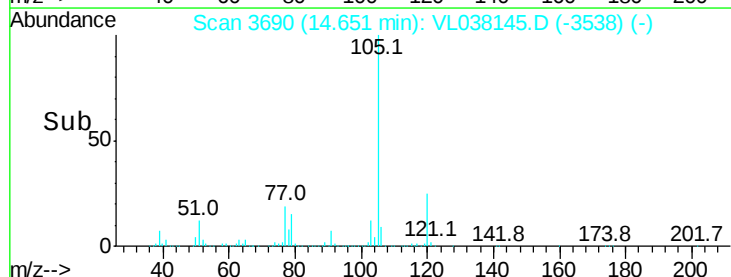
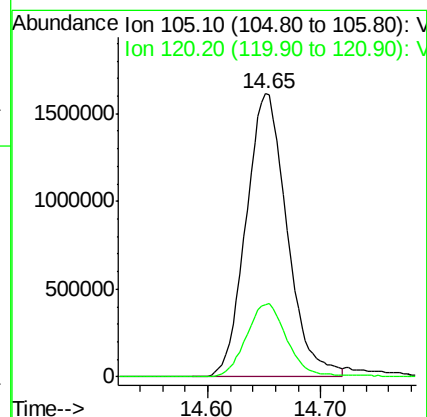
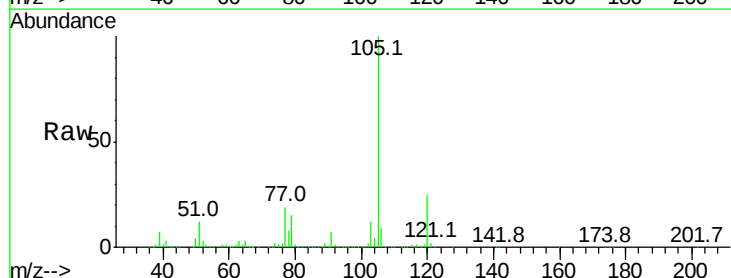
Acq: 7 Dec 2021 11:34

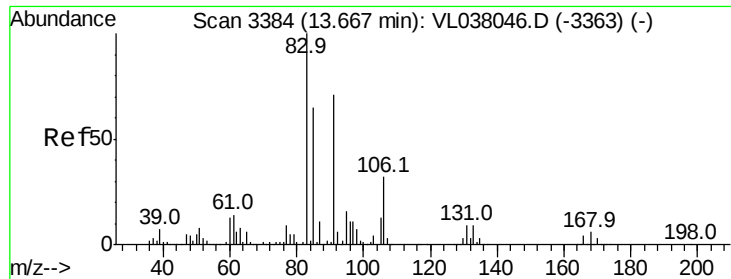
Tgt Ion:105 Resp: 4070021

Ion Ratio Lower Upper

105 100

120 26.5 21.8 32.6



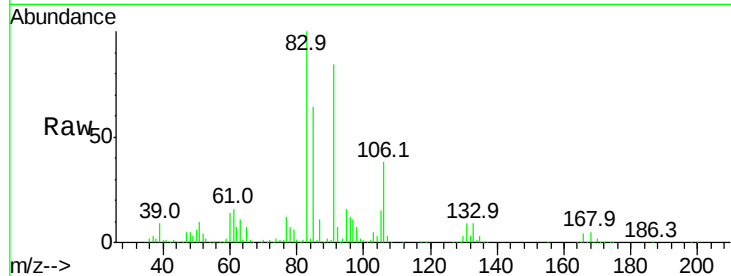


#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.357 ppbv
 RT: 13.66
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1207ABS01
 Acq: 7 Dec 2021 11:34

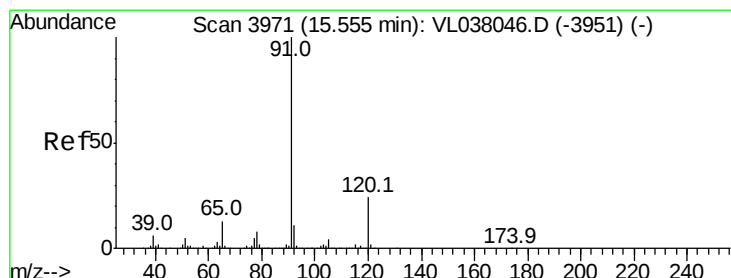
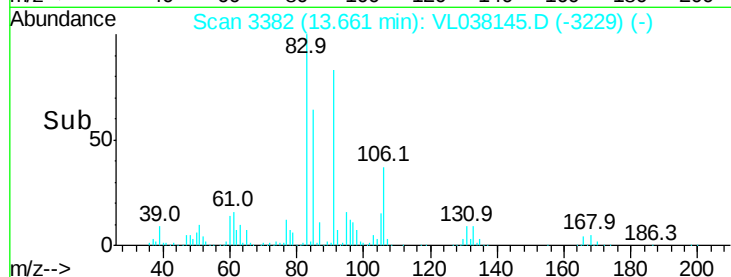
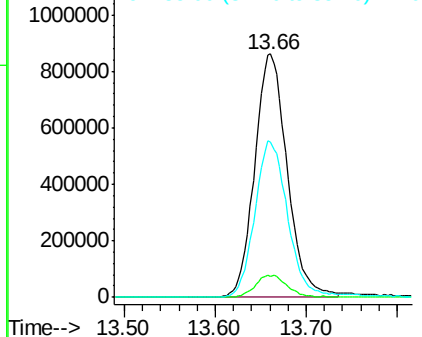
Tot Ion:
 Ion Ratio
 83 100
 131 9.
 85 66.

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 Supervised By :Semsettin Yesilyurt 12/08/2021

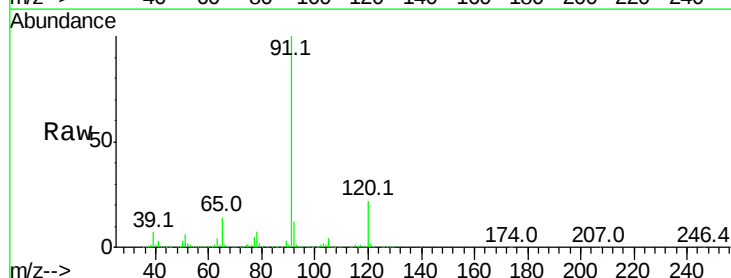


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

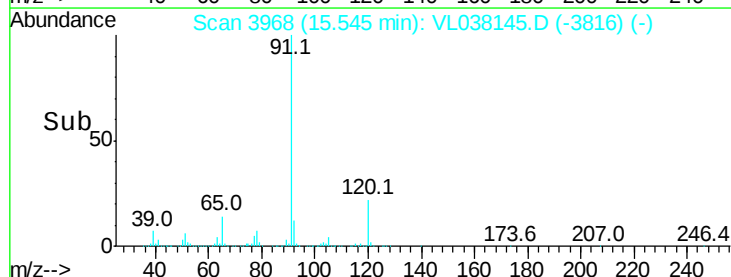
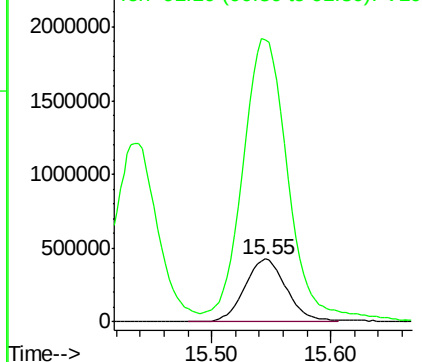


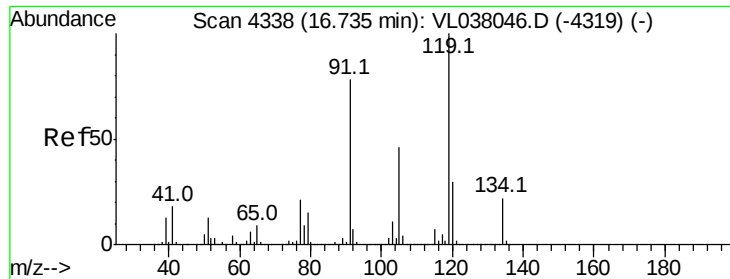
#64
 n-propylbenzene
 Concen: 9.342 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion:120 Resp: 1039903
 Ion Ratio Lower Upper
 120 100
 91 492.8 371.7 557.5



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



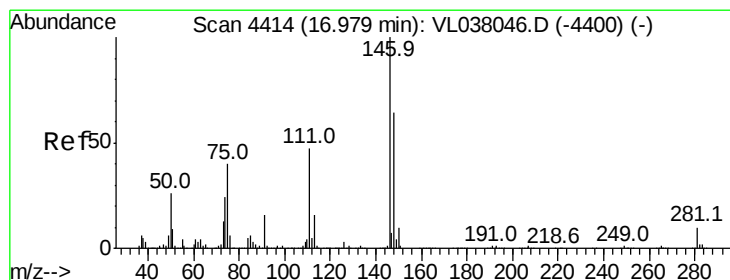
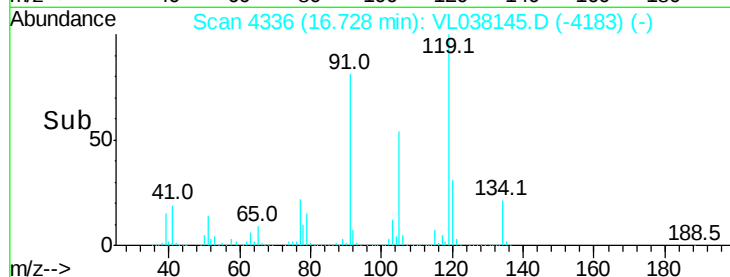
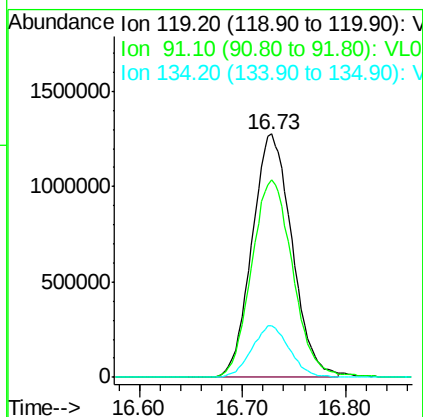
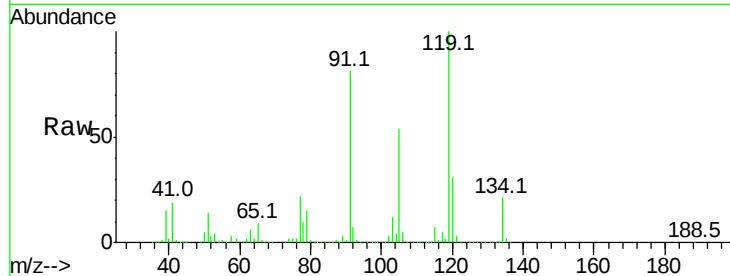


#65
tert-Butylbenzene
Concen: 8.911 ppbv
RT: 16.73 min
Delta R.T.: MSVOA_1
Lab File: ClientSampleId : VL1207ABS01
Acq: 7 Dec 2021 11:34

Tot Ion: 1
Ion Ratio
119 100
91 83.1
134 20.0

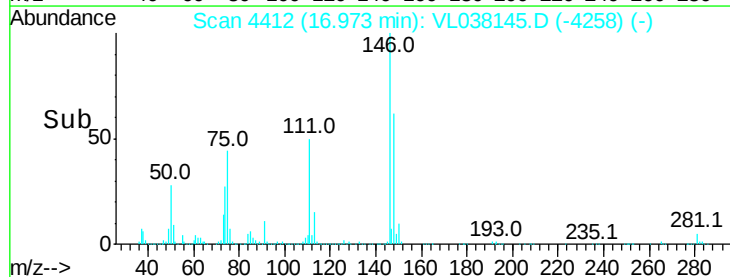
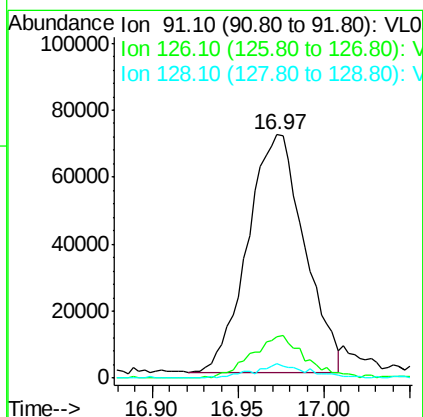
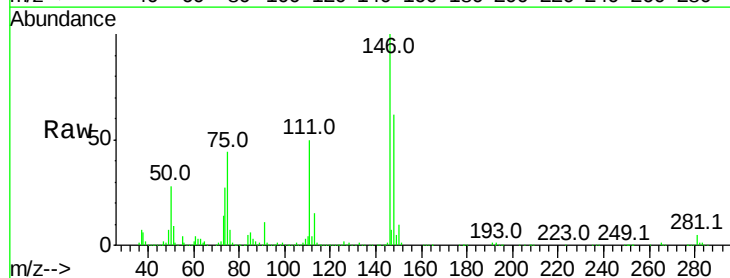
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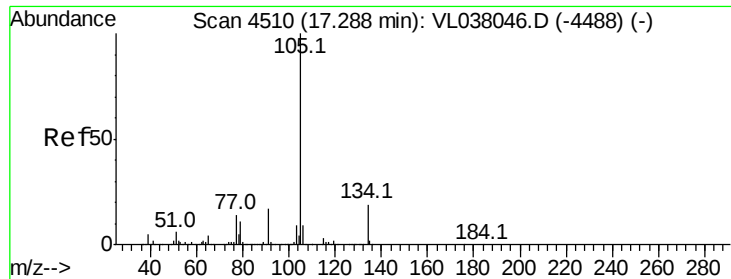
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#66
Benzyl Chloride
Concen: 8.359 ppbv
RT: 16.97 min Scan# 4412
Delta R.T.: -0.01 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion: 91 Resp: 163074
Ion Ratio Lower Upper
91 100
126 17.6 15.5 23.3
128 5.7 5.6 8.4





#67

sec-Butylbenzene

Concen: 9.128 ppbv

RT: 17.28

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34

Tot Ion:1

Ion Rati

105 100

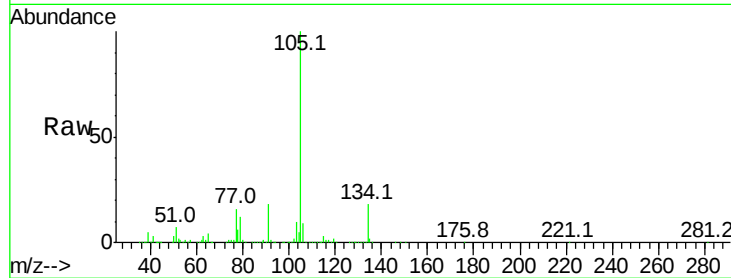
134 18.

Manual Integrations

APPROVED

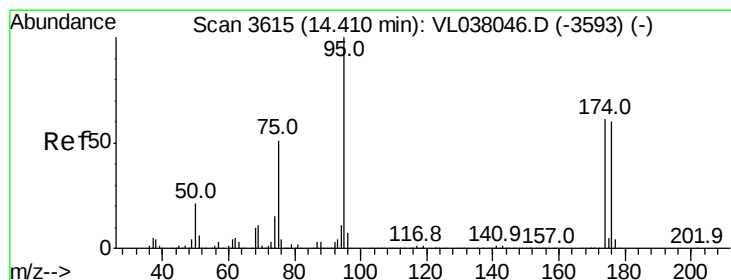
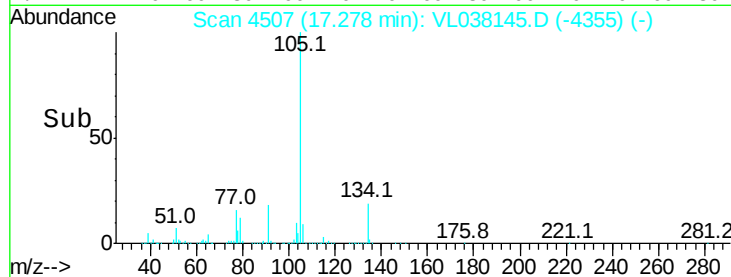
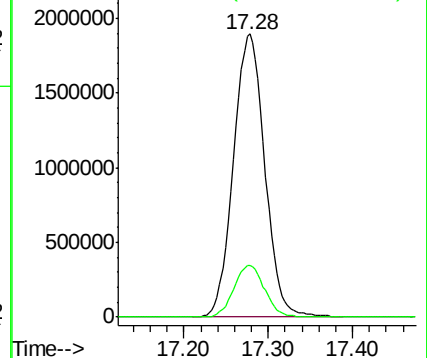
Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



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: 10.506 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

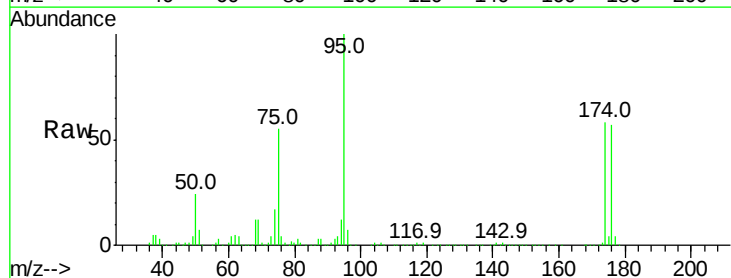
Tgt Ion: 95 Resp: 1807294

Ion Ratio Lower Upper

95 100

174 62.5 53.1 79.7

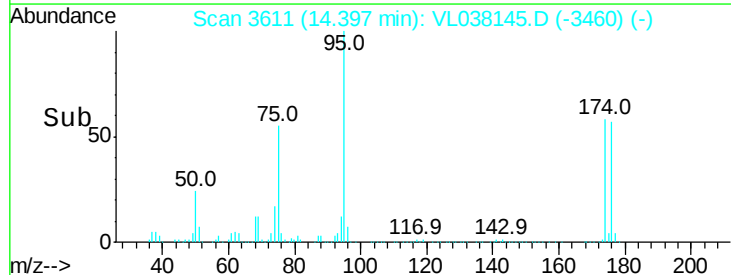
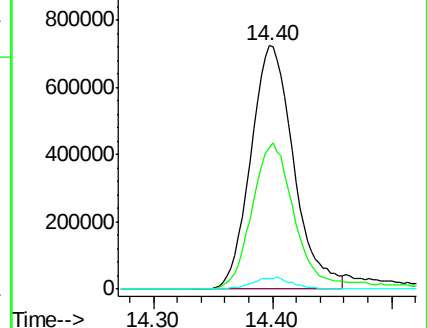
175 4.6 4.0 6.0

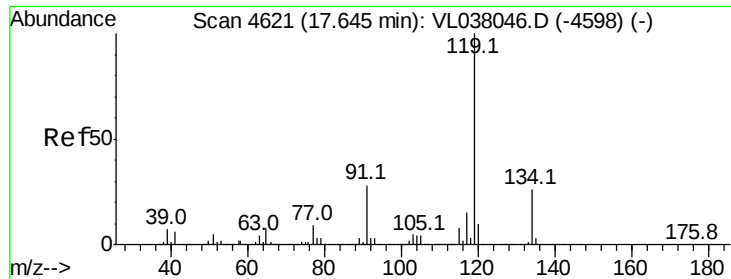


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



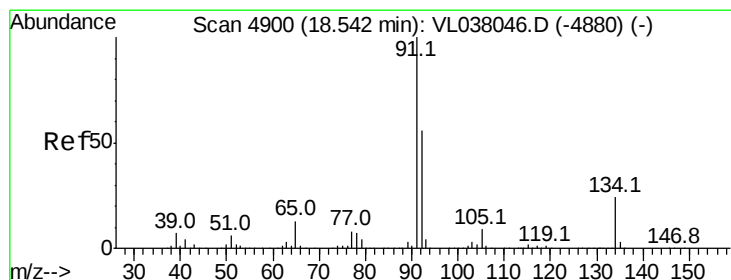
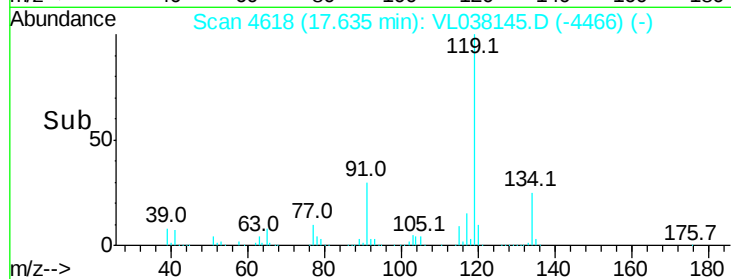
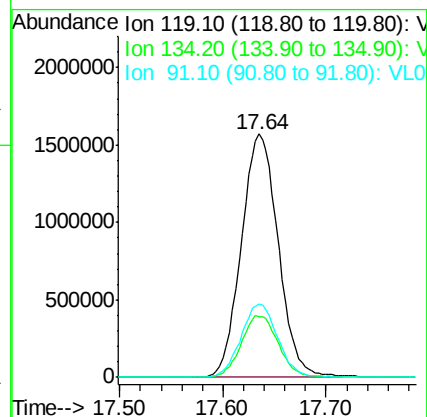
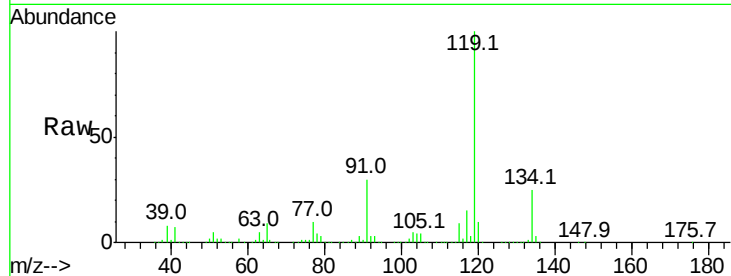


#69
 p-Isopropyltoluene
 Concen: 9.310 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1207ABS01
 Acq: 7 Dec 2021 11:34

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

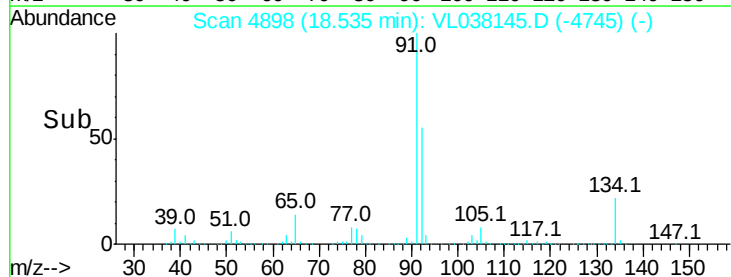
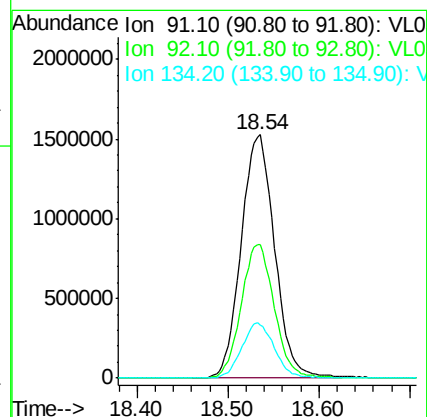
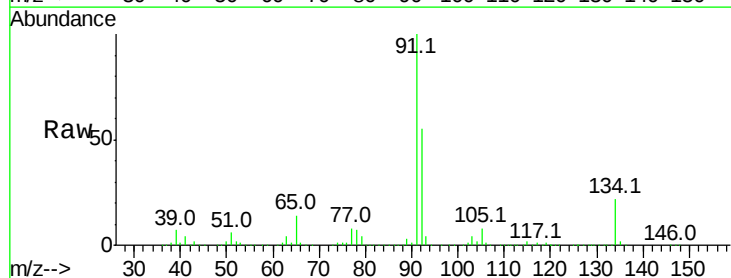
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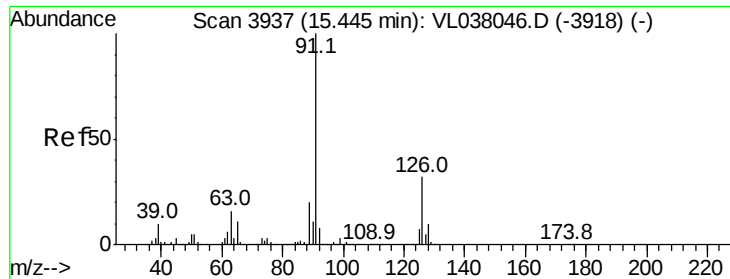
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#70
 n-Butylbenzene
 Concen: 9.729 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion: 91 Resp: 3903168
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.1 66.1
 134 22.2 18.9 28.3



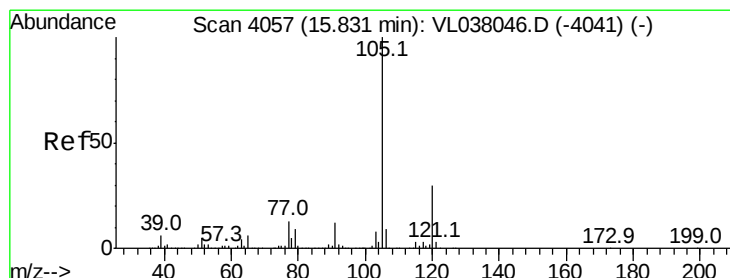
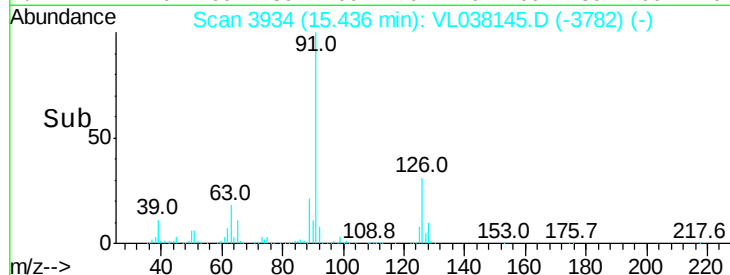
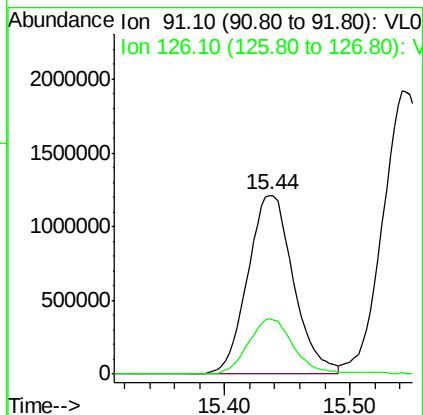
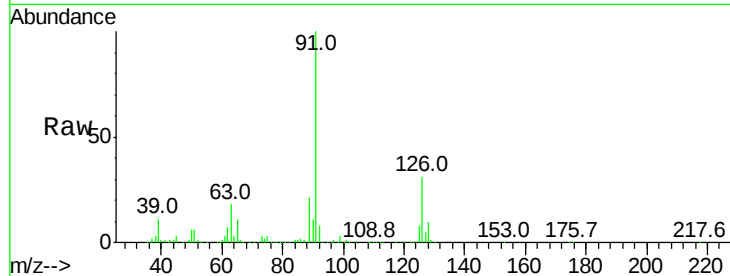


#71
 2-Chlorotoluene
 Concen: 9.634 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL1207ABS01
 Acq: 7 Dec 2021 11:34

Tot Ion:
 Ion Ratio
 91 100
 126 31.

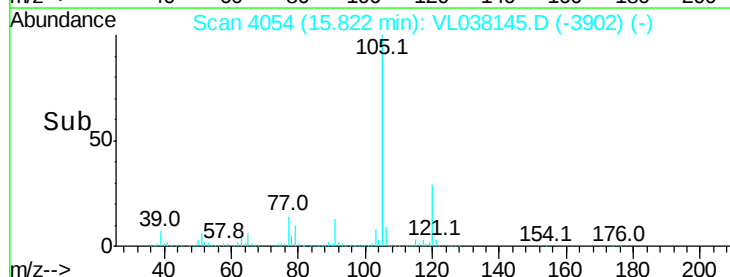
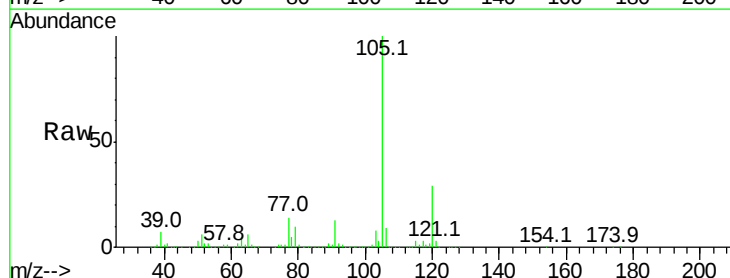
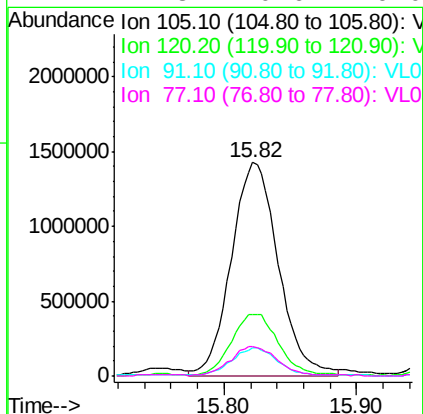
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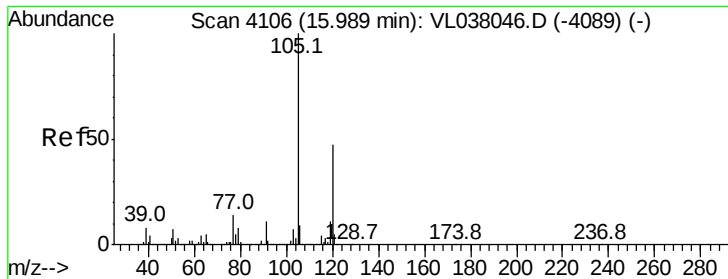
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#72
 4-Ethyltoluene
 Concen: 9.818 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion:105 Resp: 3504076
 Ion Ratio Lower Upper
 105 100
 120 29.8 25.1 37.7
 91 12.4 9.7 14.5
 77 14.3 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.623 ppbv

RT: 15.98 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 11:34

Tot Ion:1

Ion Ratio

105 100

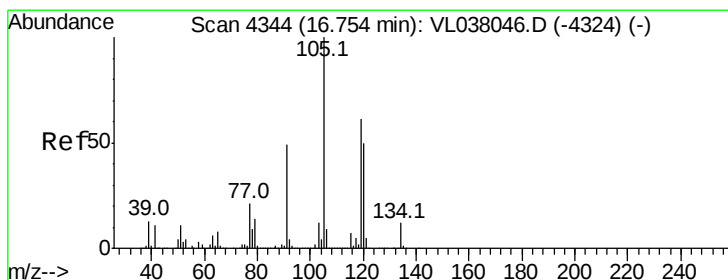
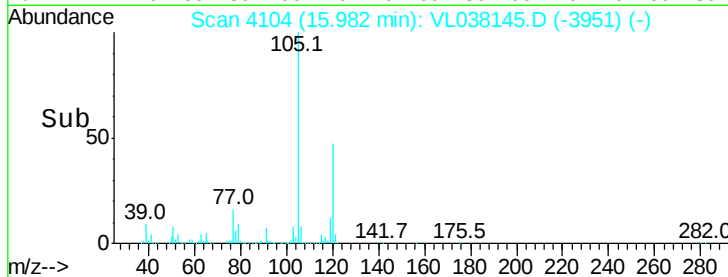
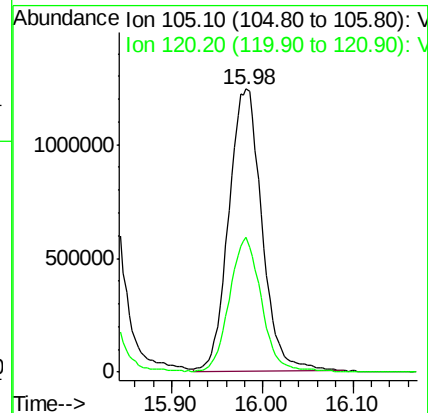
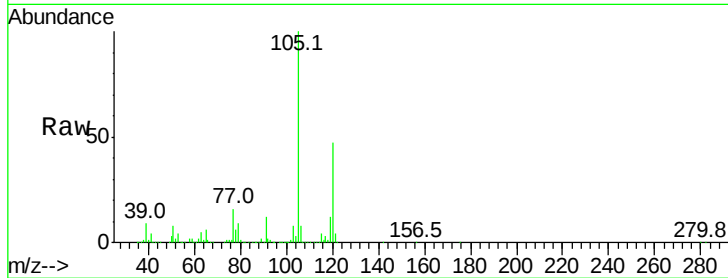
120 47.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/08/2021



#74

1,2,4-Trimethylbenzene

Concen: 9.381 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

Tgt Ion:105 Resp: 3151177

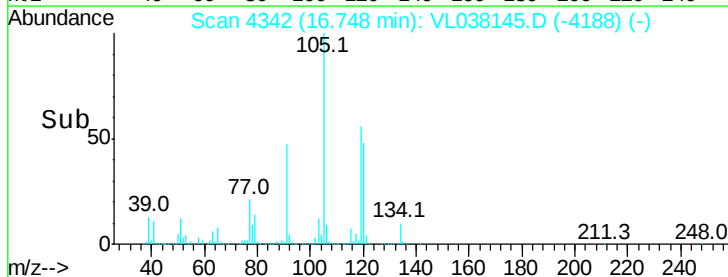
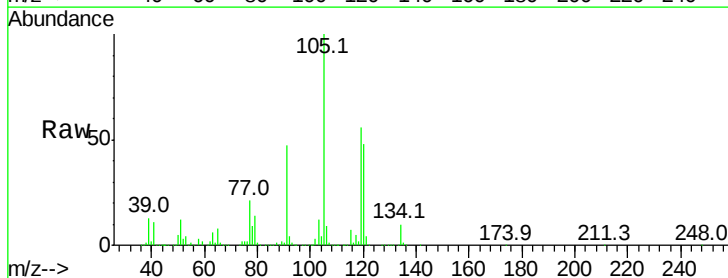
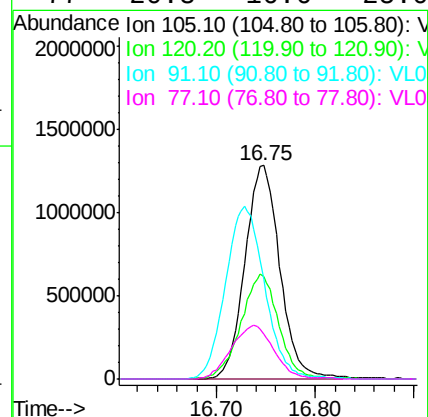
Ion Ratio Lower Upper

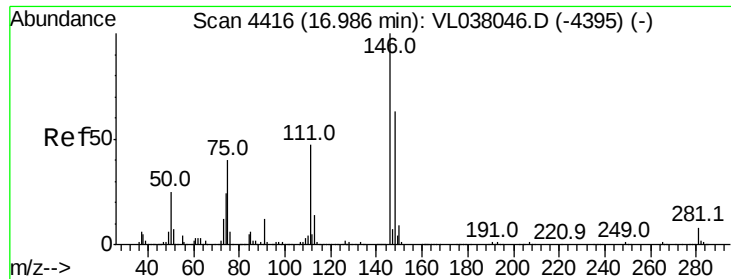
105 100

120 48.1 40.1 60.1

91 46.1 39.8 59.8

77 20.8 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 9.328 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Dec 2021

ClientSampleId :

VL1207ABS01

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Tot Ion:1

Ion Rati

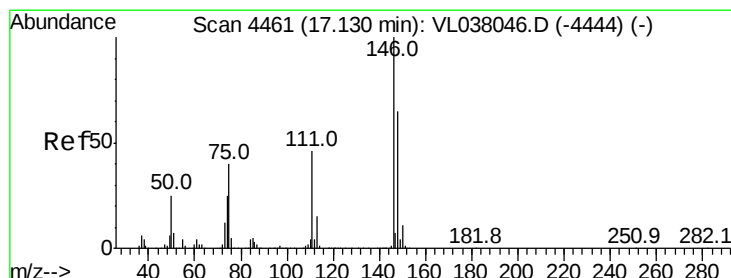
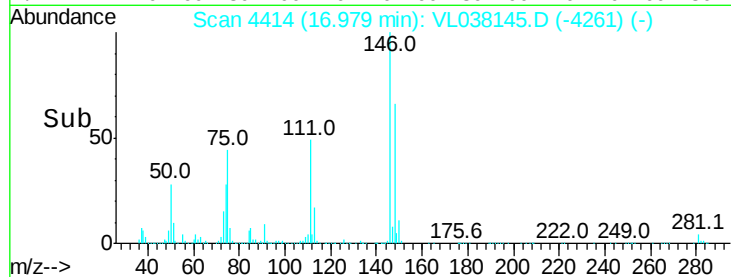
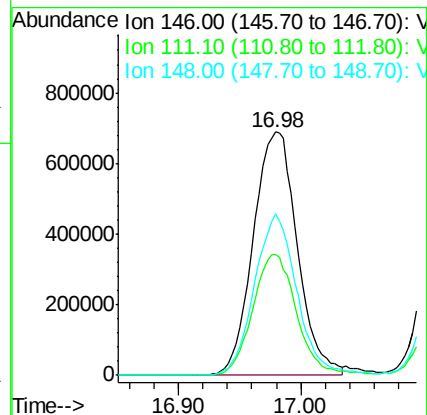
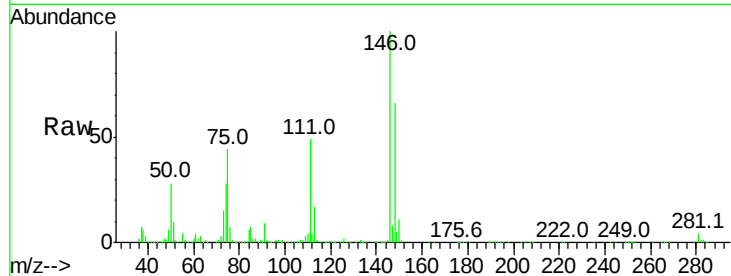
146 100

111 49.

148 64.

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#76

1,4-Dichlorobenzene

Concen: 8.937 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.01 min

Lab File: VL038145.D

Acq: 7 Dec 2021 11:34

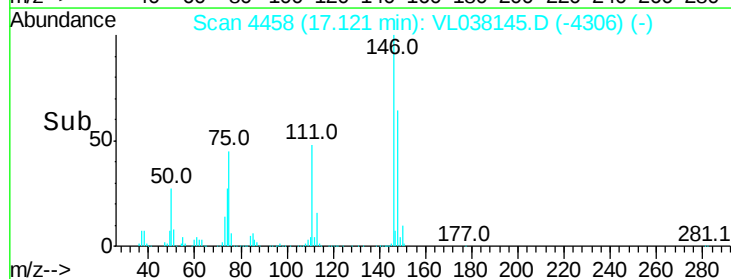
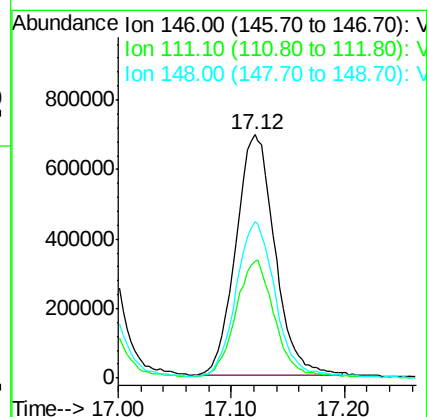
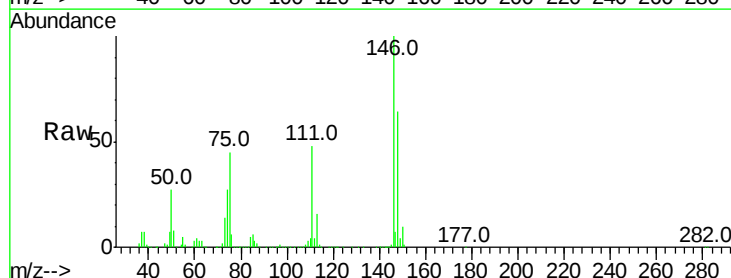
Tgt Ion:146 Resp: 1659305

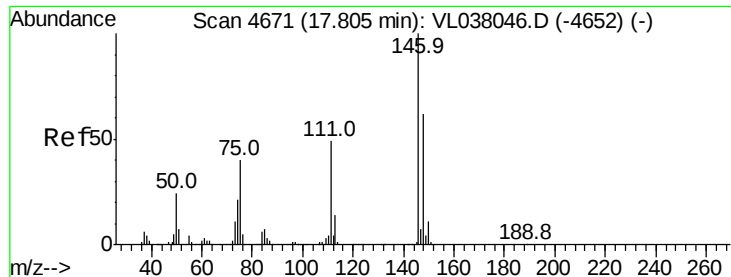
Ion Ratio Lower Upper

146 100

111 50.0 23.8 71.5

148 67.0 33.2 99.6



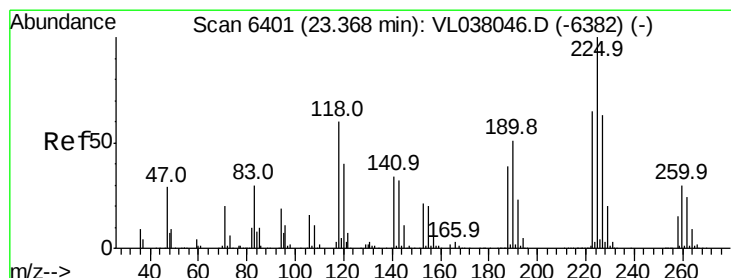
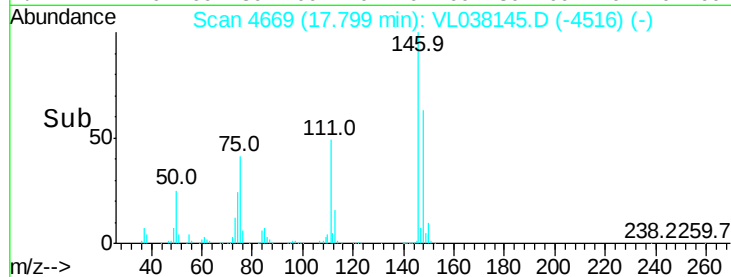
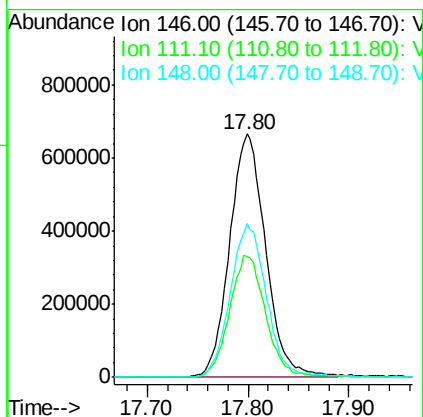
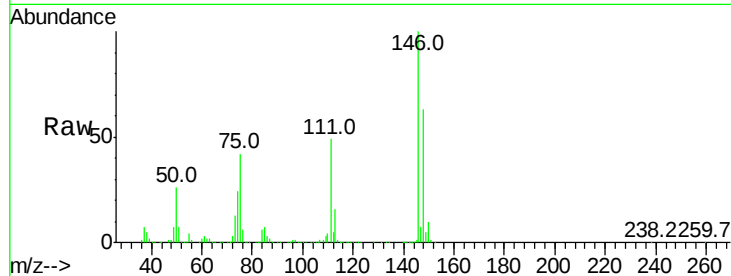


#77
 1,2-Dichlorobenzene
 Concen: 9.173 ppbv
 RT: 17.80 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VL1207ABS01
 Acq: 7 Dec 2021 11:34

Tot Ion:1
 Ion Rati
 146 100
 111 50.
 148 63.

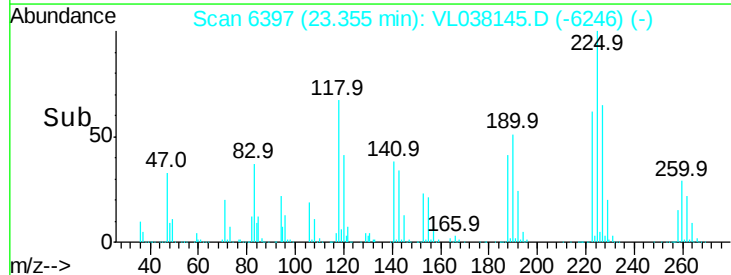
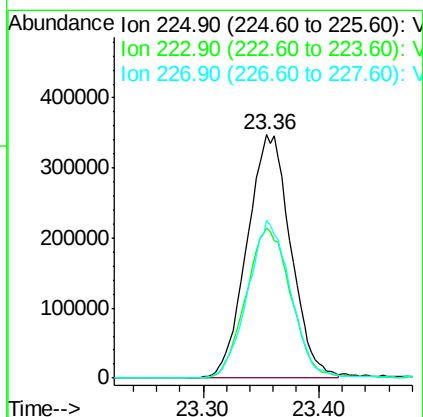
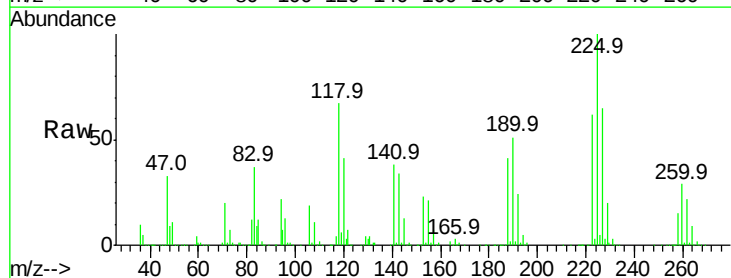
Manual Integrations
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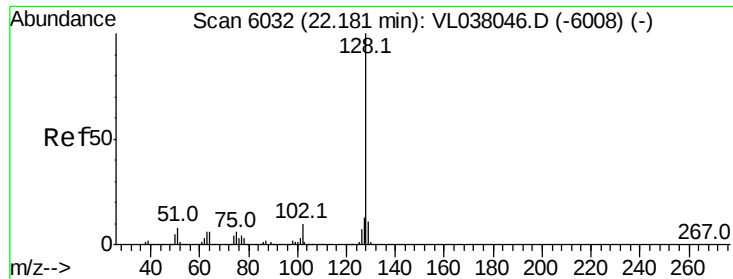
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.168 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T.: -0.01 min
 Lab File: VL038145.D
 Acq: 7 Dec 2021 11:34

Tgt Ion:225 Resp: 910999
 Ion Ratio Lower Upper
 225 100
 223 64.0 52.3 78.5
 227 64.2 52.4 78.6



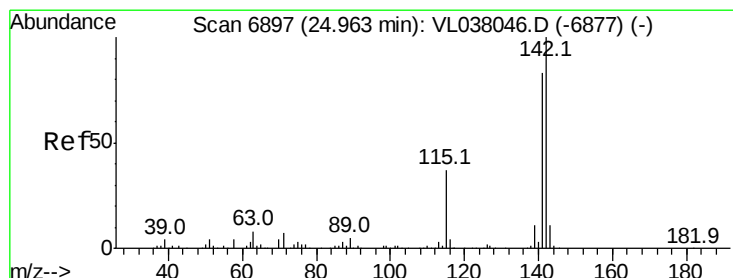
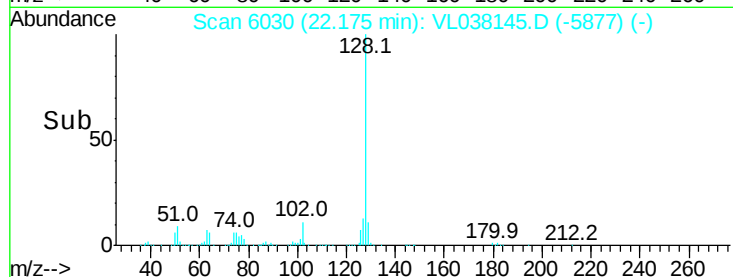
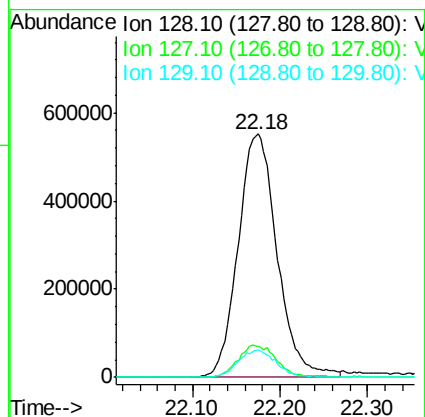
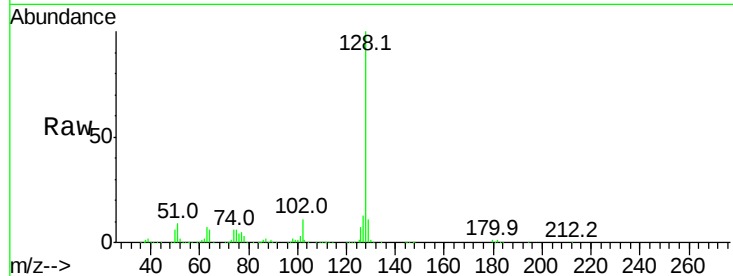


#79
Naphthalene
Concen: 9.655 ppbv
RT: 22.18
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 11:34 VL1207ABS01

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

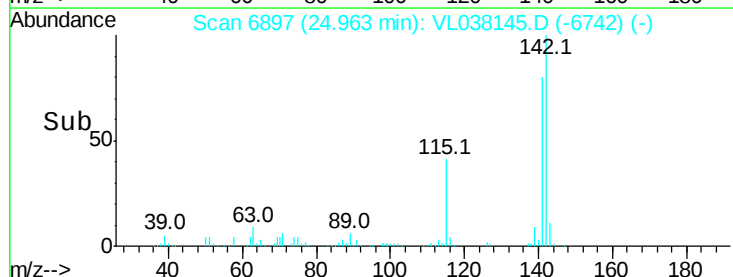
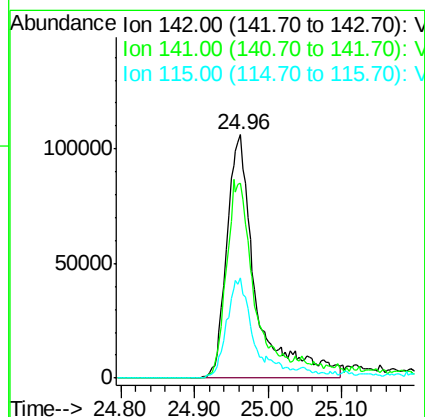
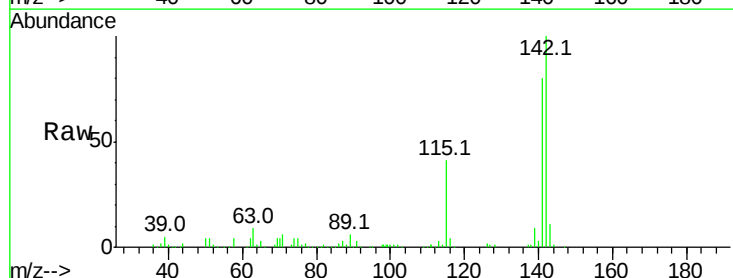
Manual Integrations
APPROVED

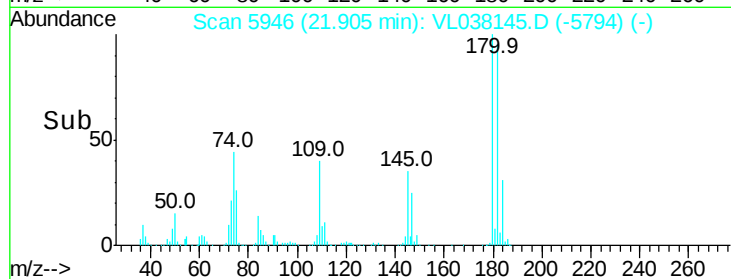
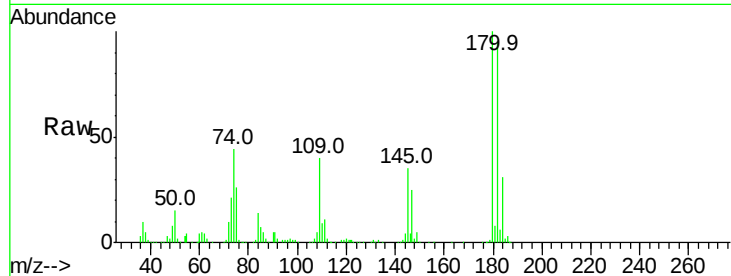
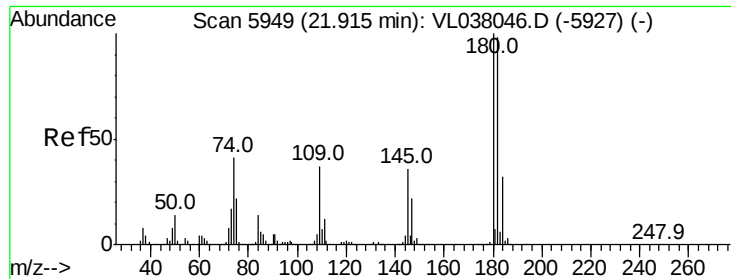
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#80
Naphthalene, 2-methyl-
Concen: 7.690 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL038145.D
Acq: 7 Dec 2021 11:34

Tgt Ion:142 Resp: 291510
Ion Ratio Lower Upper
142 100
141 87.3 67.3 100.9
115 41.2 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.147 ppbv
 RT: 21.90
 Delta R.T.:
 Lab File: ClientSampleId :
 VL1207ABS01
 Acq: 7 Dec 2021 11:34

Tot Ion:1
 Ion Rati
 180 100
 182 99.
 184 30.

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

