

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL120721\
 Data File : VL038143.D
 Acq On : 7 Dec 2021 10:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Dec 07 14:27:05 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	901498	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2640434	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2456286	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1936660	10.93	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	1185353	7.960	ppbv	99
3) Chlorodifluoromethane	2.99	51	2066057	10.913	ppbv	98
4) Chloromethane	3.14	50	705952	10.954	ppbv	98
5) Vinyl Chloride	3.26	62	711623	11.256	ppbv	99
6) Bromomethane	3.47	94	379666	11.210	ppbv	99
7) Chloroethane	3.56	64	239172	10.659	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	1606397	10.844	ppbv	95
9) Propene	3.01	41	697292	10.001	ppbv	97
10) Heptane	8.11	43	1763541	10.234	ppbv	100
11) Trichlorofluoromethane	3.95	101	1686066	11.905	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1229911	12.277	ppbv	97
13) Ethanol	3.61	45	72151m	10.708	ppbv	
14) Bromoethene	3.74	108	509249	11.352	ppbv	96
15) Acetone	3.85	43	853394	10.918	ppbv	97
16) 1,3-Butadiene	3.33	39	681803	11.181	ppbv	98
17) tert-Butyl alcohol	4.29	59	1030169	10.865	ppbv	99
18) 1,1-Dichloroethene	4.29	96	545479	11.870	ppbv	100
19) Isopropyl Alcohol	3.96	45	566688	10.034	ppbv #	96
20) Methylene Chloride	4.34	84	474132	10.830	ppbv	98
21) Allyl Chloride	4.41	41	805813	11.138	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	581004	12.482	ppbv	96
23) Vinyl Acetate	5.07	43	1305825	11.541	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1131235	12.006	ppbv	98
25) Ethyl Acetate	5.67	43	2644692	10.181	ppbv	99
26) Hexane	5.68	57	1239114	9.896	ppbv	100
27) Carbon Disulfide	4.55	76	1335050	11.903	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1265740	11.901	ppbv	98
29) Chloroform	5.74	83	1971862	10.686	ppbv	96
30) Cyclohexane	7.12	84	1138872	10.019	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1103899	9.268	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2033141	10.856	ppbv	98
34) 2-Butanone	5.24	43	903967	8.490	ppbv	98
35) Carbon Tetrachloride	7.01	117	2090011	11.266	ppbv	98
36) Benzene	6.88	78	2777981	10.547	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1560016	12.264	ppbv	97
38) Trichloroethene	7.82	130	997727	10.042	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1086112	10.750	ppbv	96
40) 1,4-Dioxane	7.83	88	267969	10.180	ppbv #	1
41) Tetrahydrofuran	6.04	42	666531	10.085	ppbv	99
42) Bromodichloromethane	7.78	83	2247723	11.623	ppbv	99
43) Methyl Methacrylate	8.00	69	1024325	11.367	ppbv	98

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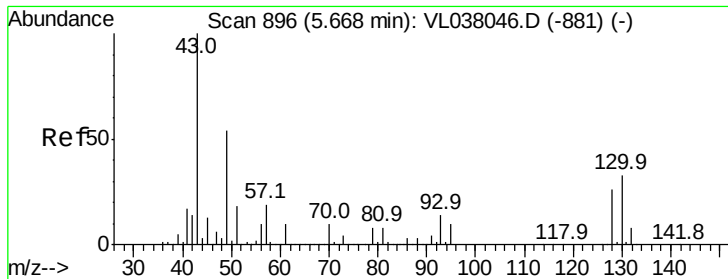
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4495914	10.202	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	935830	12.947	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1164544	11.912	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	1092723	10.327	ppbv	95
48) Dibromochloromethane	10.29	129	1804533	11.198	ppbv	99
49) Bromoform	13.02	173	1276583	11.073	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1819271	11.252	ppbv	99
51) 2-Hexanone	10.12	43	836451	10.996	ppbv #	98
52) Tetrachloroethene	11.21	164	892480	9.158	ppbv	94
53) Toluene	9.79	91	3080855	10.166	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1614534	10.802	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1154091	10.350	ppbv	97
57) Chlorobenzene	12.13	112	2148005	9.757	ppbv	96
58) Ethyl Benzene	12.69	91	4022273	9.908	ppbv	98
59) m/p-Xylene	12.98	91	6854272m	20.056	ppbv	
60) o-Xylene	13.67	91	3057214	9.643	ppbv	97
61) Styrene	13.51	104	1671569	9.834	ppbv	96
62) Isopropylbenzene	14.65	105	4177959	9.284	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2190472	9.302	ppbv	99
64) n-propylbenzene	15.54	120	1090748	9.514	ppbv	92
65) tert-Butylbenzene	16.73	119	3543314	8.937	ppbv	96
66) Benzyl Chloride	16.97	91	175751	8.747	ppbv	94
67) sec-Butylbenzene	17.27	105	4996117	9.044	ppbv	100
69) p-Isopropyltoluene	17.64	119	4032609	9.332	ppbv	98
70) n-Butylbenzene	18.53	91	4027018	9.746	ppbv	99
71) 2-Chlorotoluene	15.44	91	3142017	9.550	ppbv	98
72) 4-Ethyltoluene	15.82	105	3652064	9.936	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	3190781	9.504	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	3222336	9.314	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	1801467	9.481	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	1717850	8.984	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	1701000	9.245	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	932378	8.116	ppbv	98
79) Naphthalene	22.17	128	1748575	9.598	ppbv	100
80) Naphthalene,2-methyl-	24.96	142	377013	9.656	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	974051	9.304	ppbv	100

(#) = 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: VSTDCCC010

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

49 100

128 50.

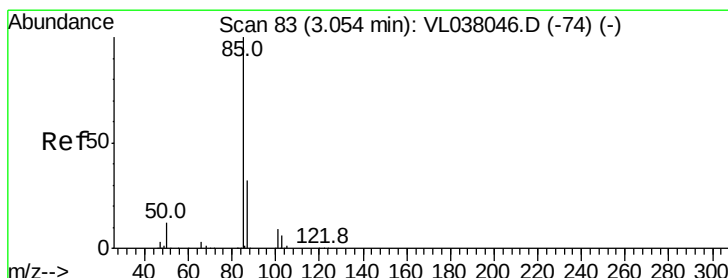
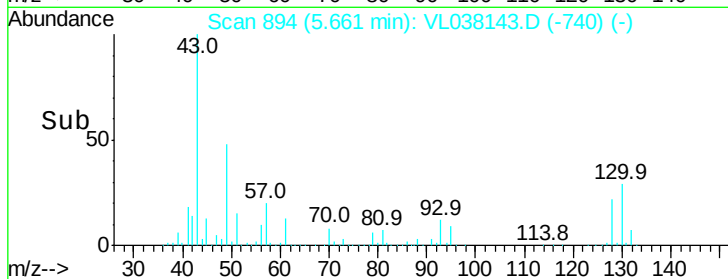
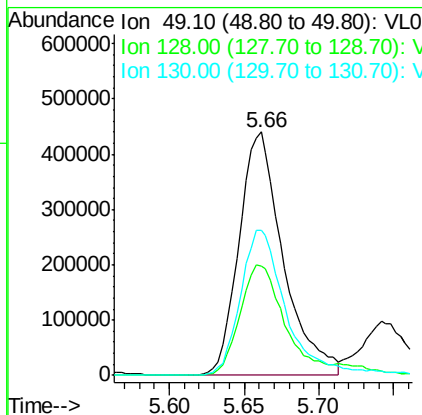
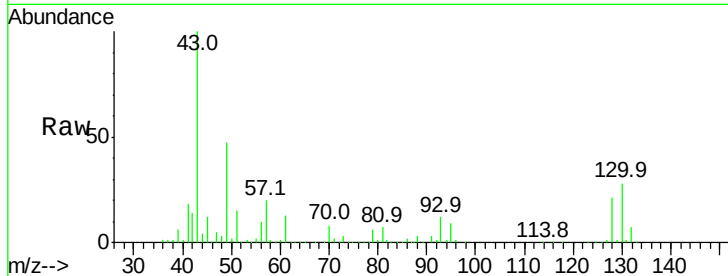
130 63.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/08/2021



#2

Dichlorodifluoromethane

Concen: 7.960 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038143.D

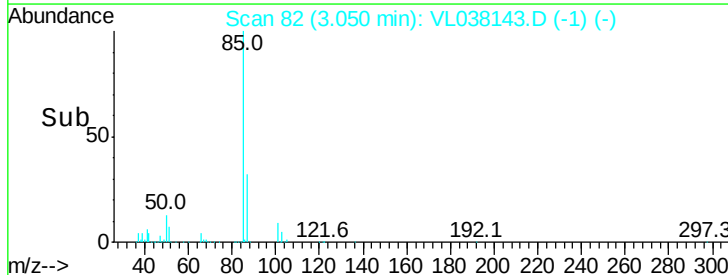
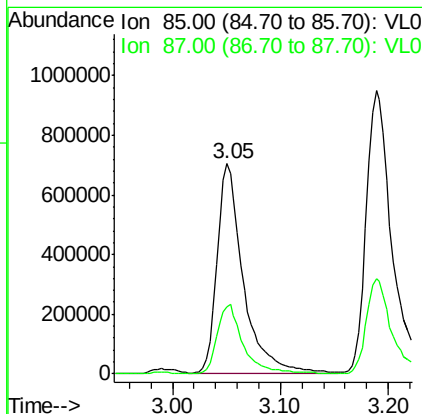
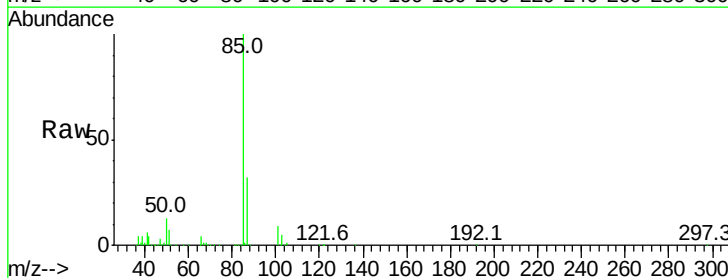
Acq: 7 Dec 2021 10:07

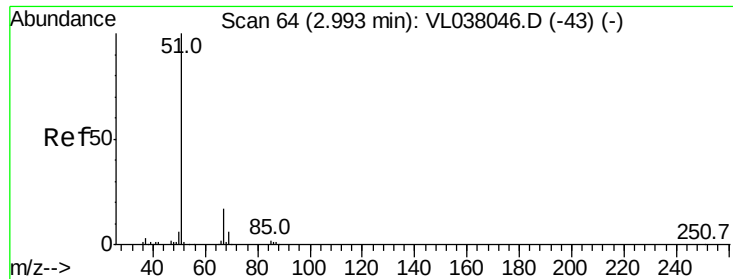
Tgt Ion: 85 Resp: 1185353

Ion Ratio Lower Upper

85 100

87 31.9 25.8 38.6





#3

Chlorodifluoromethane

Concen: 10.913 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 10:07 VSTDCCC010

Tot Ion:

Ion Ratio

51 100

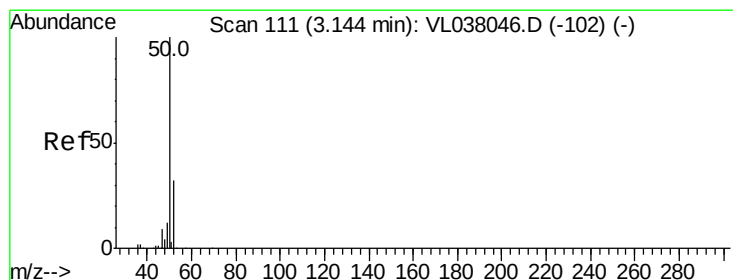
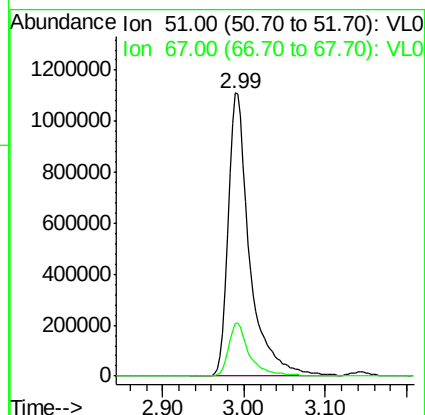
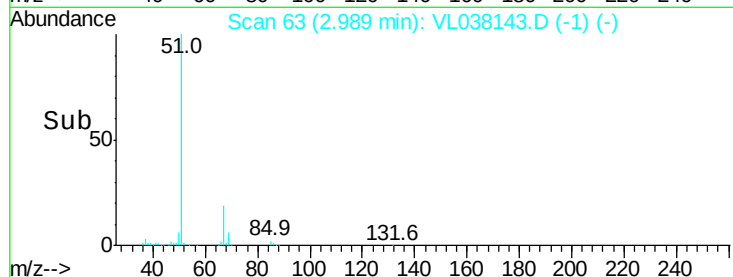
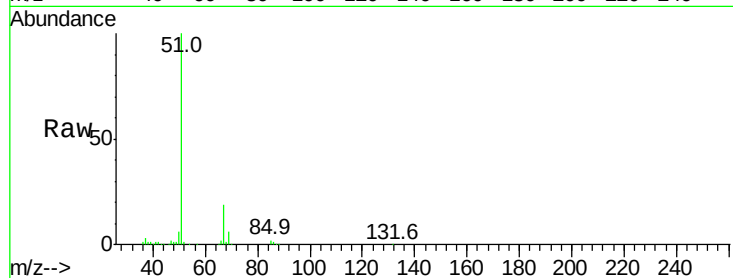
67 18.

Manual Integrations

APPROVED

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#4

Chloromethane

Concen: 10.954 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038143.D

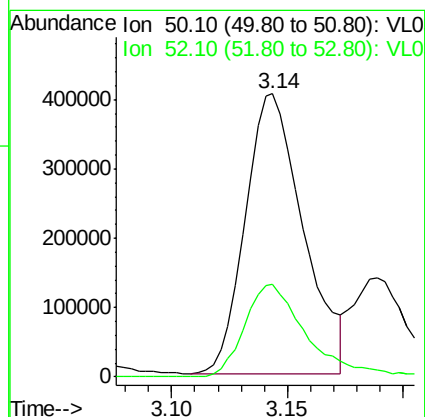
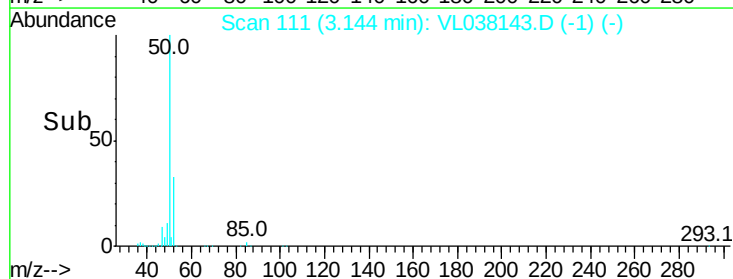
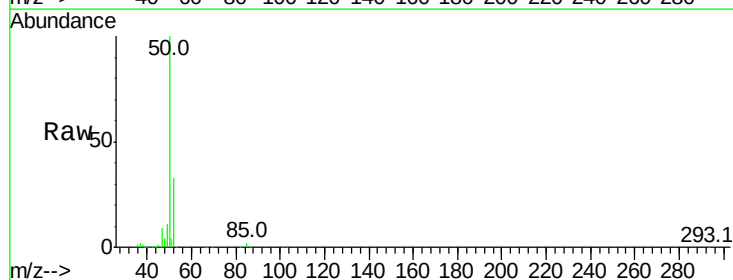
Acq: 7 Dec 2021 10:07

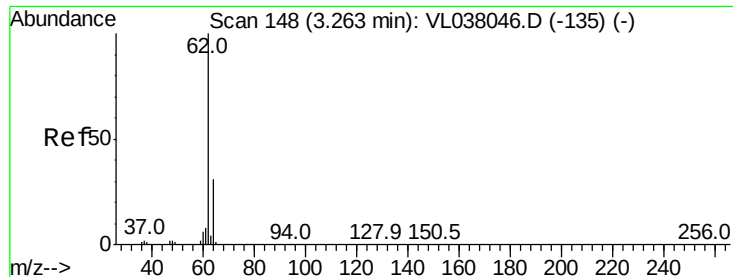
Tgt Ion: 50 Resp: 705952

Ion Ratio Lower Upper

50 100

52 33.0 25.4 38.0





#5

Vinyl Chloride

Concen: 11.256 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

62 100

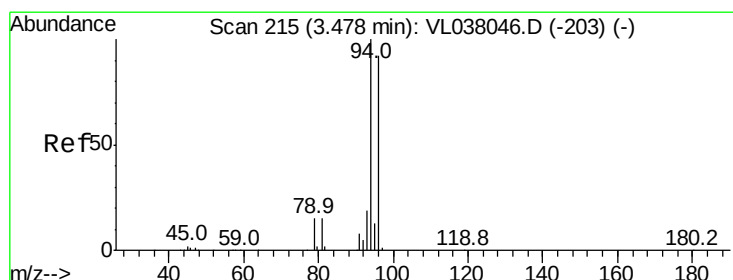
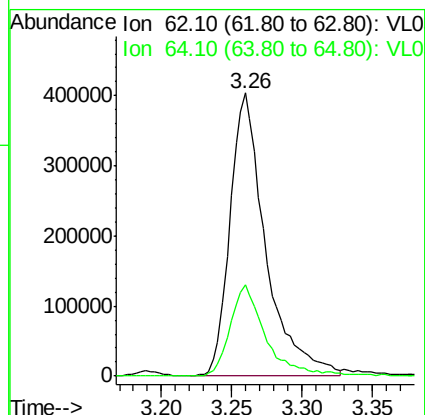
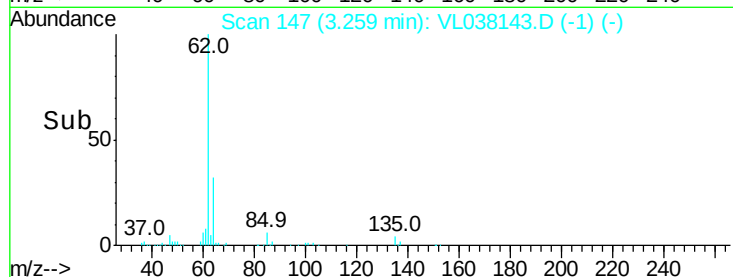
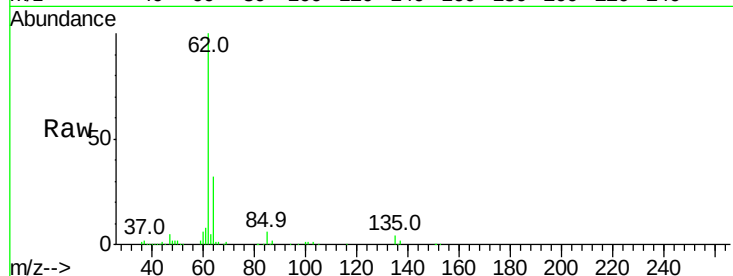
64 32.

Manual Integrations

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#6

Bromomethane

Concen: 11.210 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL038143.D

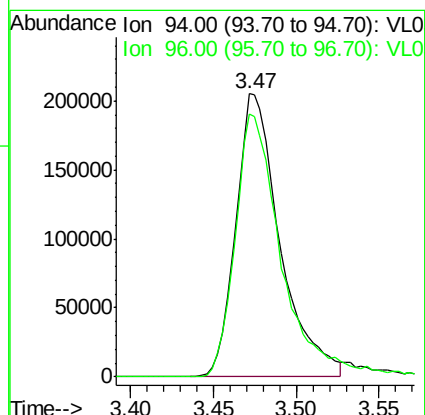
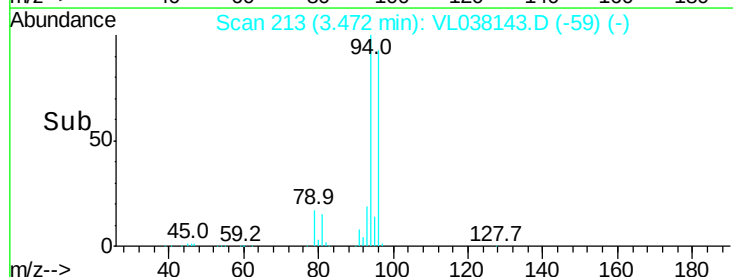
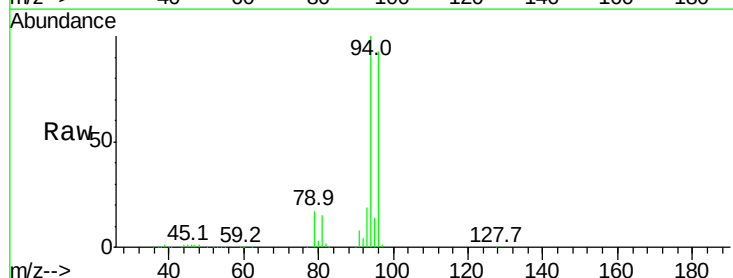
Acq: 7 Dec 2021 10:07

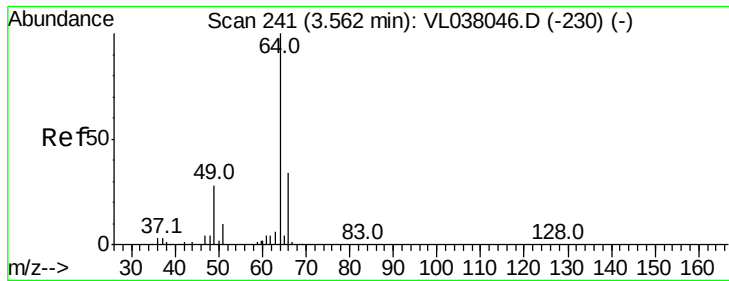
Tgt Ion: 94 Resp: 379666

Ion Ratio Lower Upper

94 100

96 92.9 73.9 110.9





#7

Chloroethane

Concen: 10.659 ppbv

RT: 3.56 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 10:07 VSTDCCC010

Tot Ion:

Ion Ratio

64 100

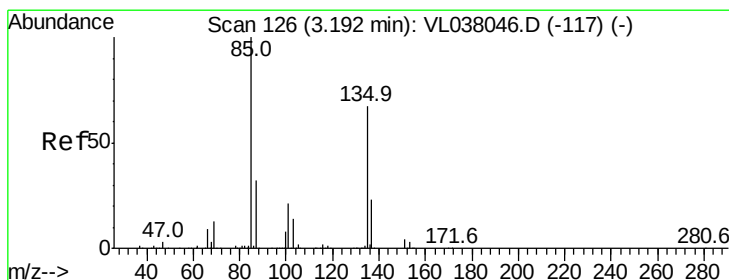
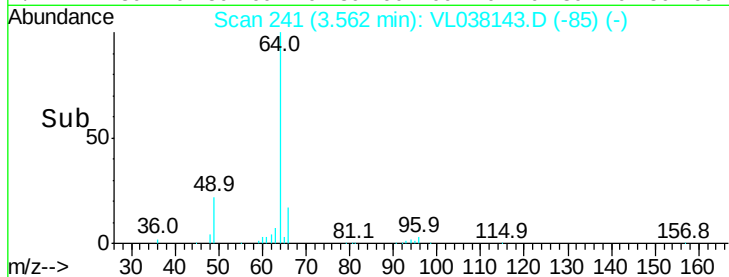
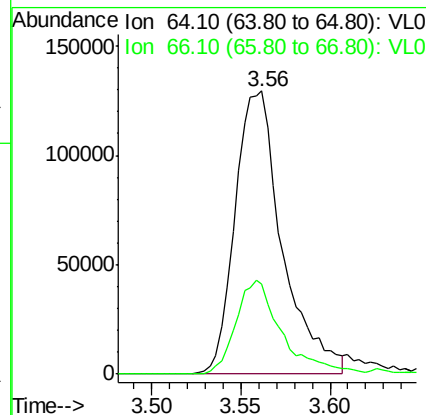
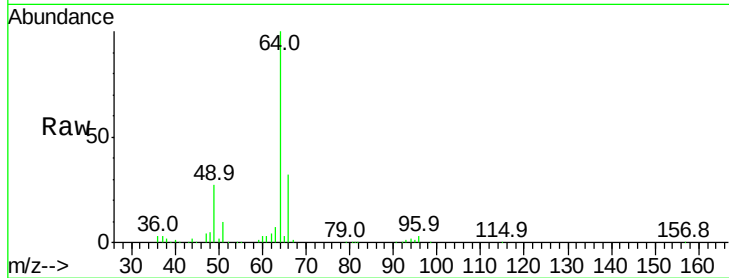
66 31.

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.844 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL038143.D

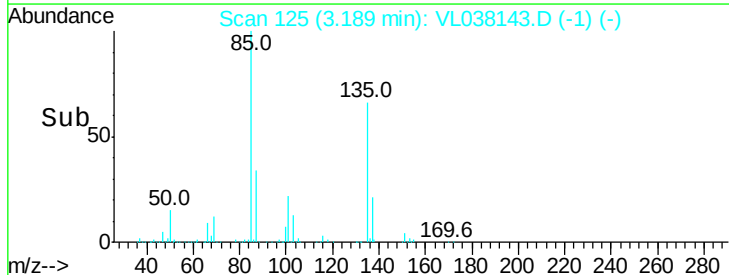
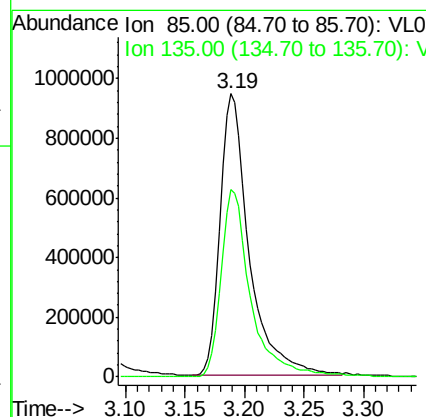
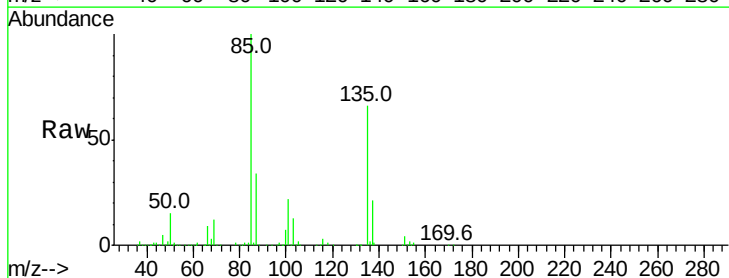
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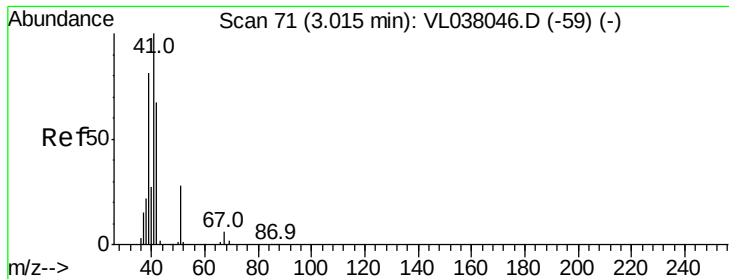
Tgt Ion: 85 Resp: 1606397

Ion Ratio Lower Upper

85 100

135 68.4 57.9 86.9





#9

Propene

Concen: 10.001 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

41 100

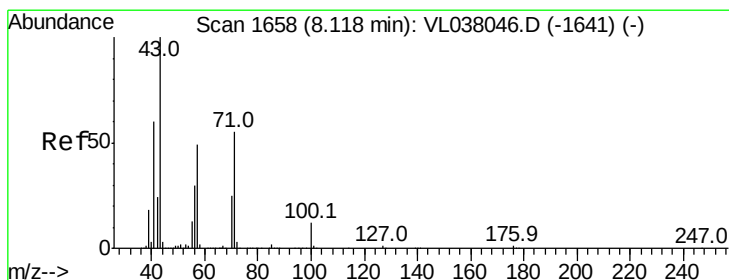
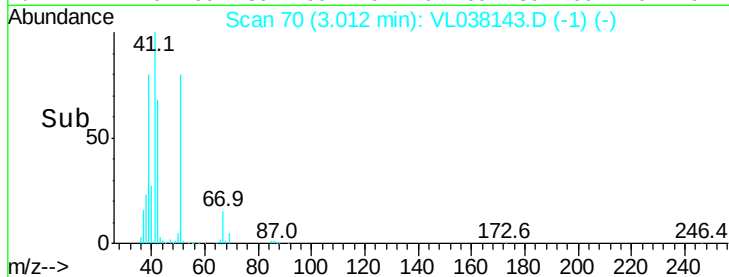
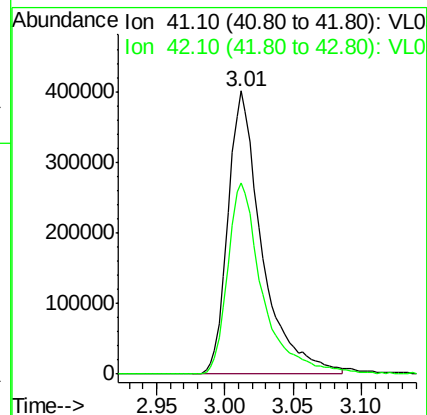
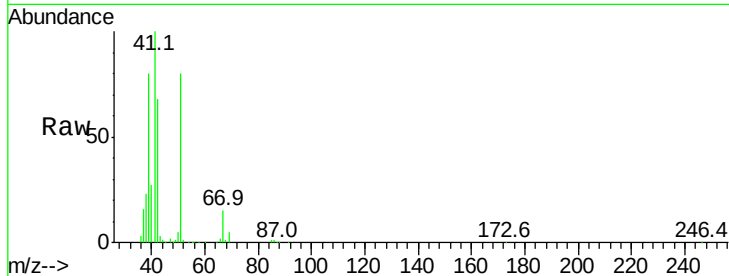
42 69.

Manual Integrations

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#10

Heptane

Concen: 10.234 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VL038143.D

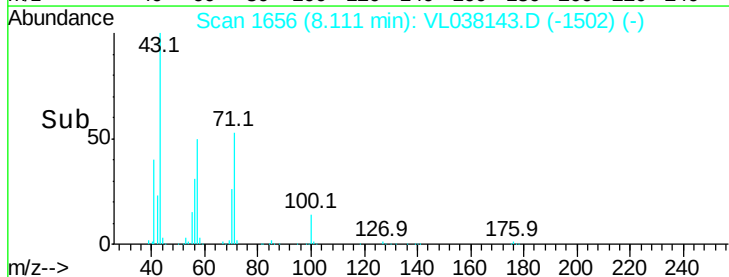
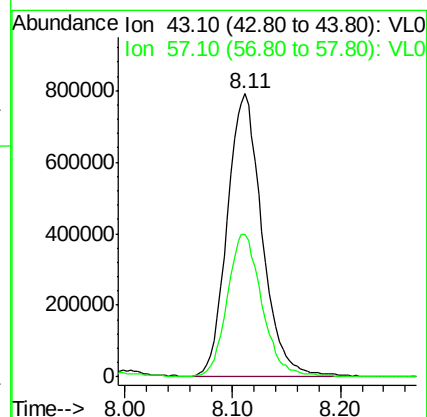
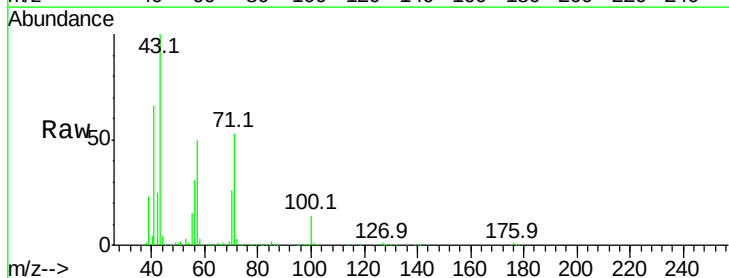
Acq: 7 Dec 2021 10:07

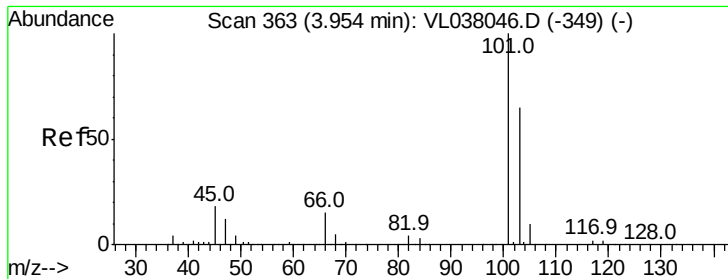
Tgt Ion: 43 Resp: 1763541

Ion Ratio Lower Upper

43 100

57 50.4 40.4 60.6



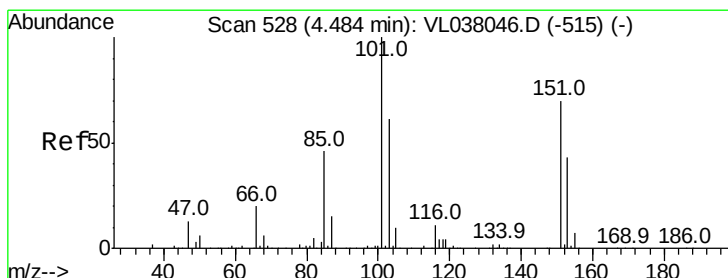
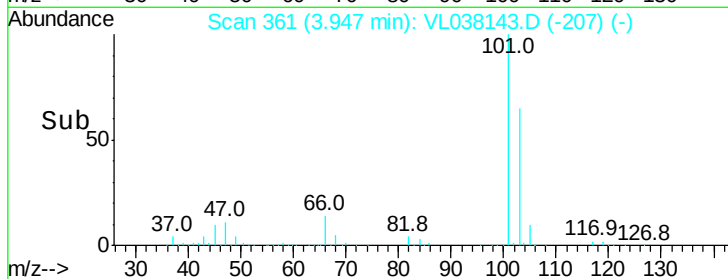
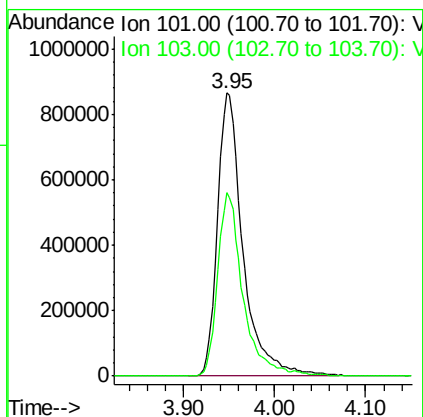
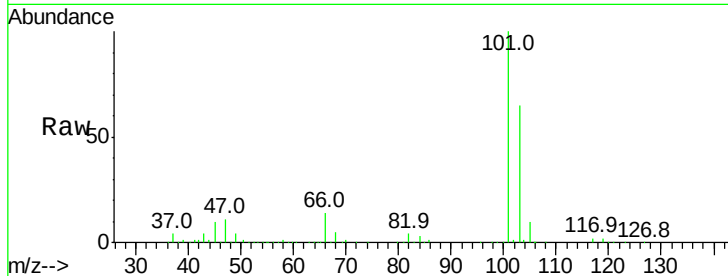


#11
 Trichlorofluoromethane
 Concen: 11.905 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Dec 2021 10:07

Tot Ion:1
 Ion Ratio
 101 100
 103 64.

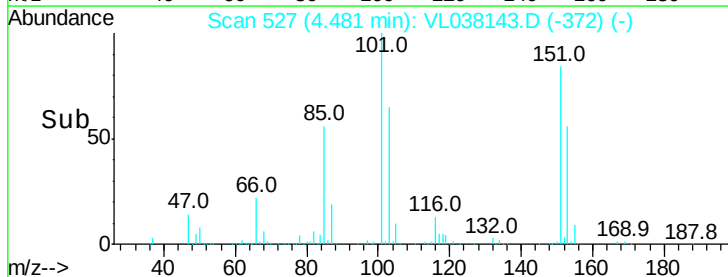
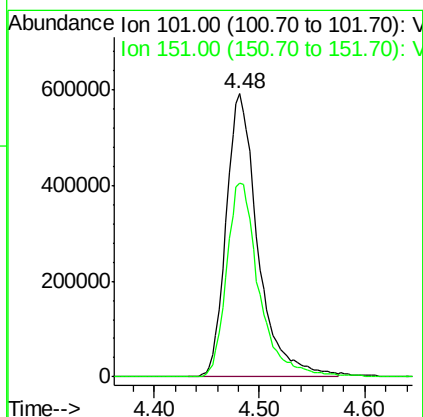
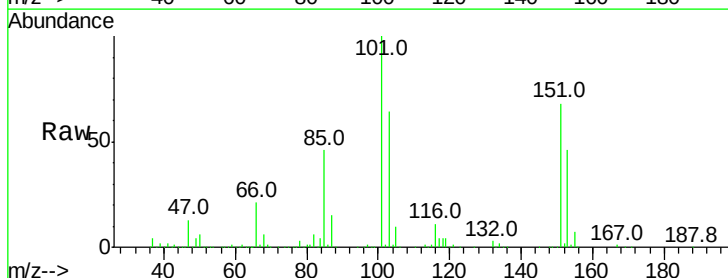
Manual Integrations
 APPROVED

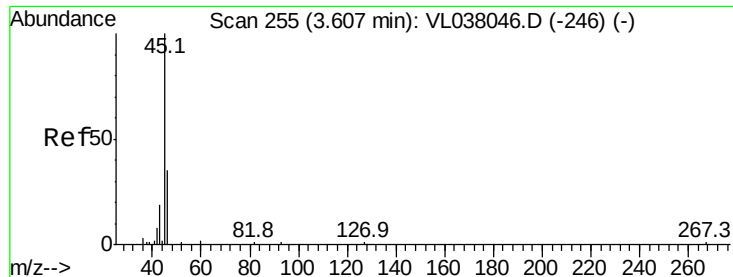
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.277 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL038143.D
 Acq: 7 Dec 2021 10:07

Tgt Ion:101 Resp: 1229911
 Ion Ratio Lower Upper
 101 100
 151 70.8 59.0 88.4



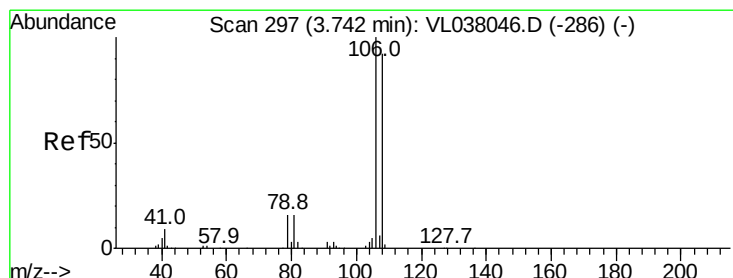
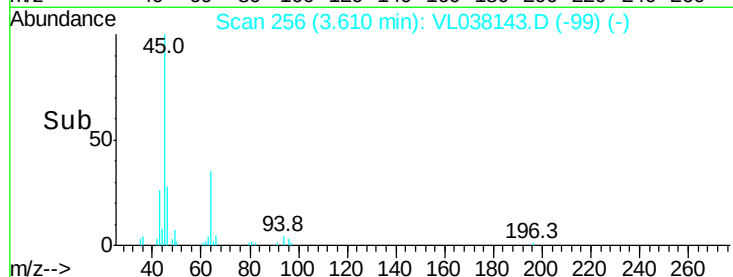
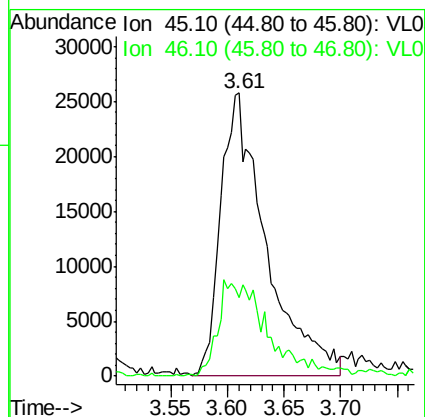
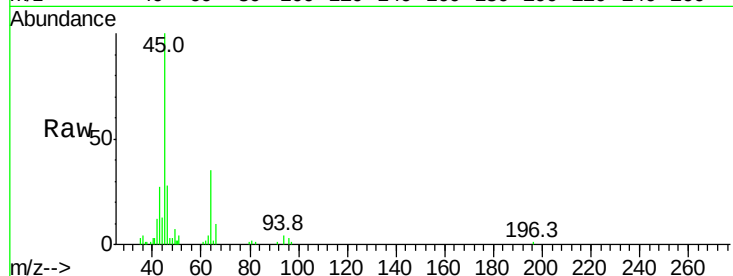


#13
Ethanol
Concen: 10.708 ppbv m
RT: 3.61
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 7 Dec 2021 10:07

Tot Ion:
Ion Ratio
45 100
46 37.

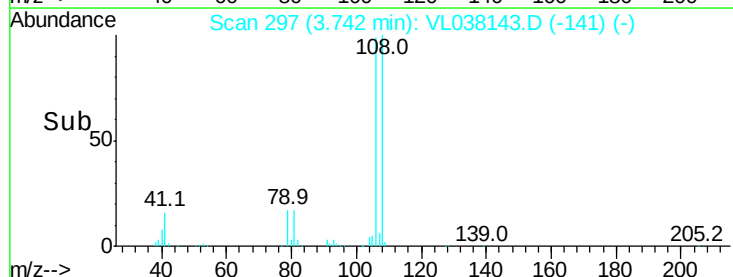
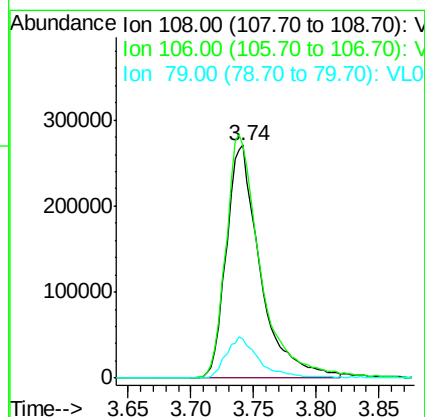
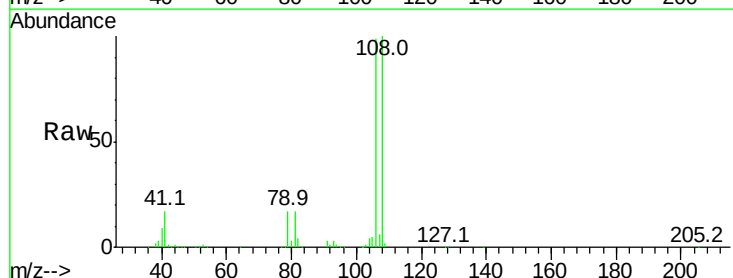
Manual Integrations
APPROVED

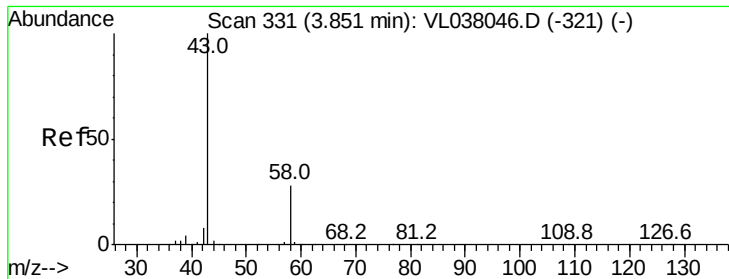
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#14
Bromoethene
Concen: 11.352 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion:108 Resp: 509249
Ion Ratio Lower Upper
108 100
106 107.5 89.4 134.0
79 17.9 14.1 21.1





#15

Acetone

Concen: 10.918 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

43 100

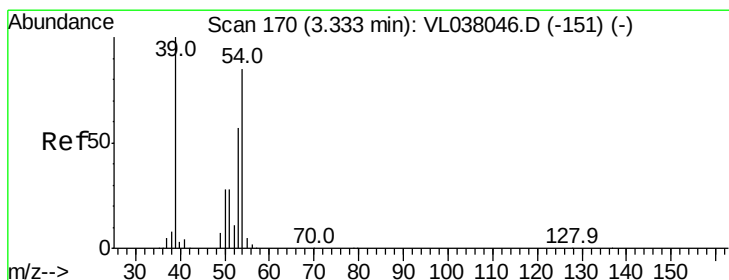
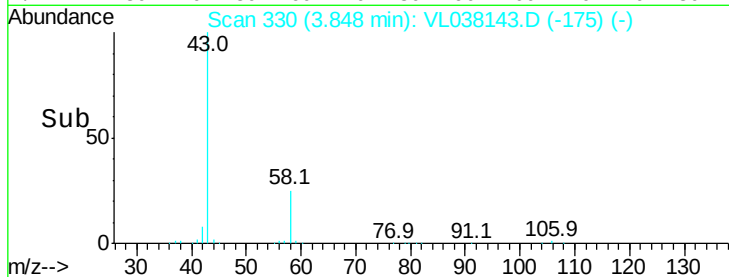
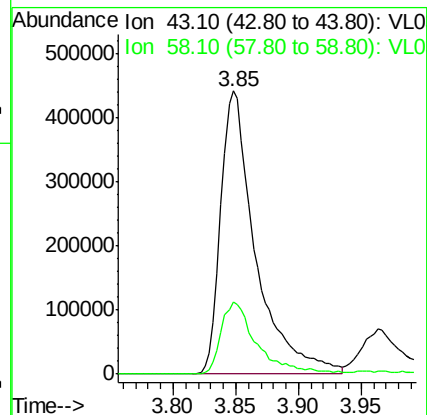
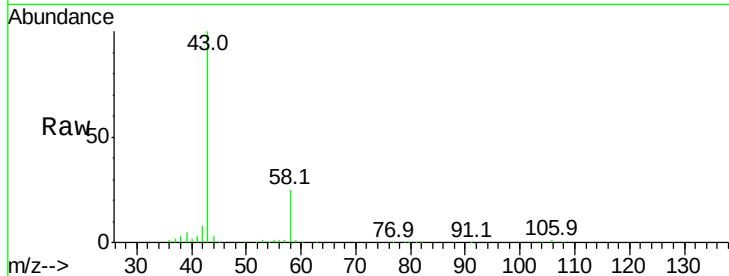
58 26.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#16

1,3-Butadiene

Concen: 11.181 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.01 min

Lab File: VL038143.D

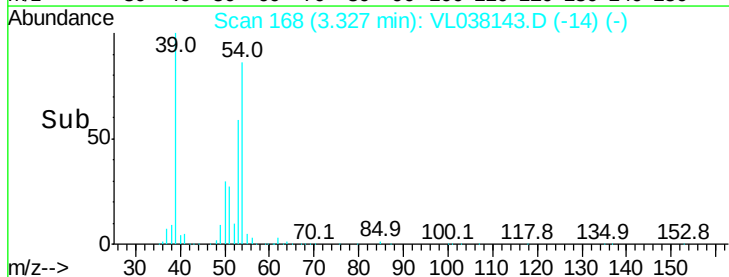
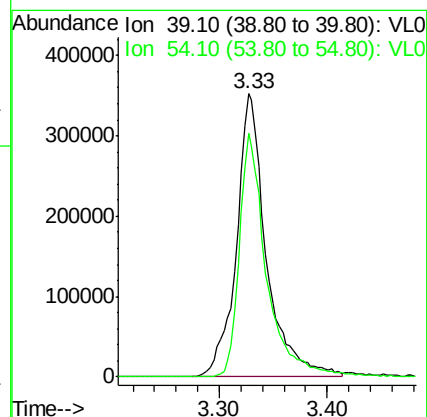
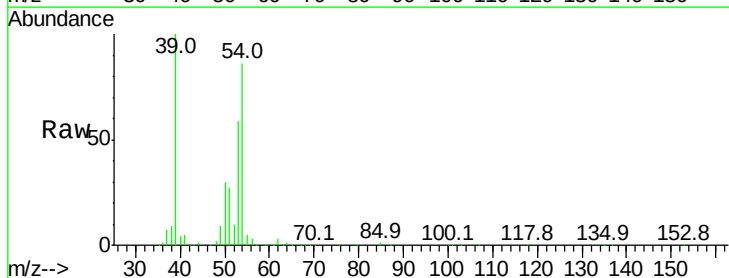
Acq: 7 Dec 2021 10:07

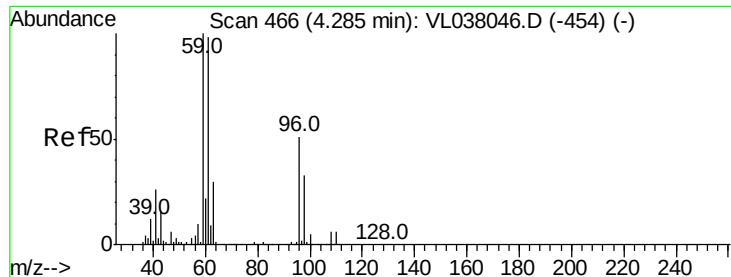
Tgt Ion: 39 Resp: 681803

Ion Ratio Lower Upper

39 100

54 78.9 64.4 96.6





#17

tert-Butyl alcohol

Concen: 10.865 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. -0.00 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

59 100

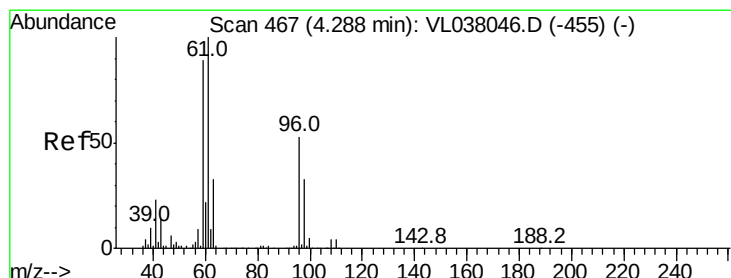
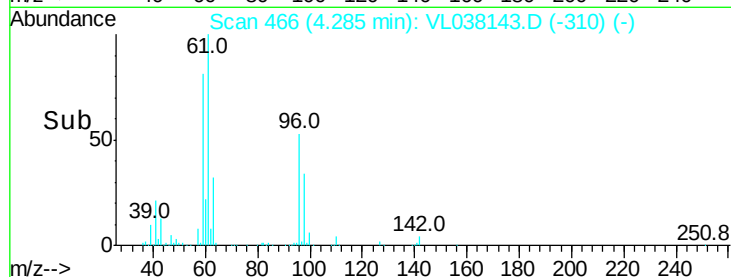
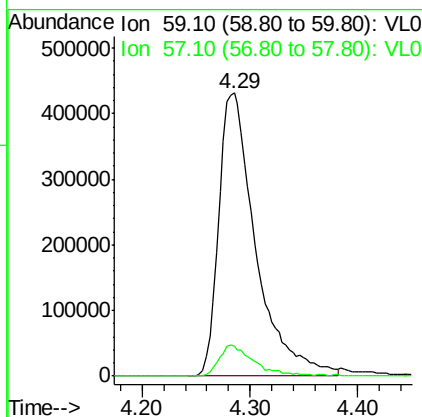
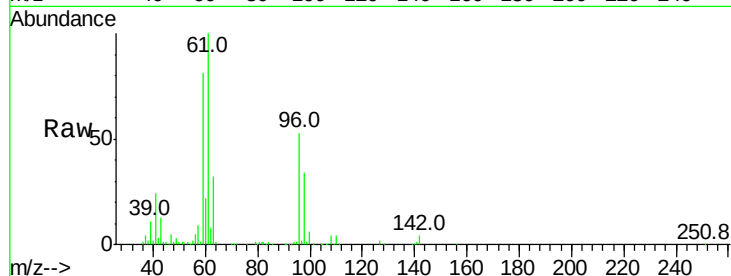
57 11.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#18

1,1-Dichloroethene

Concen: 11.870 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

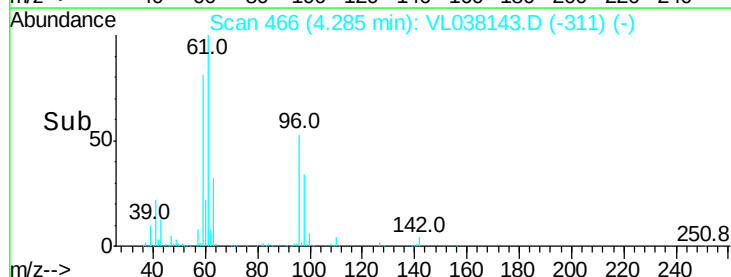
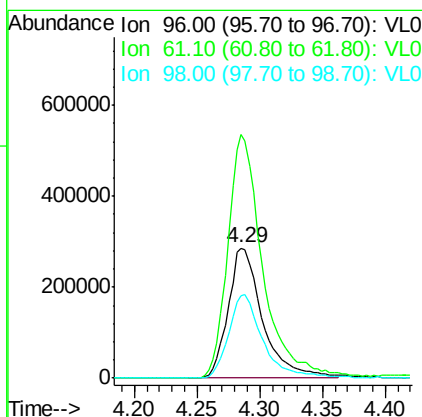
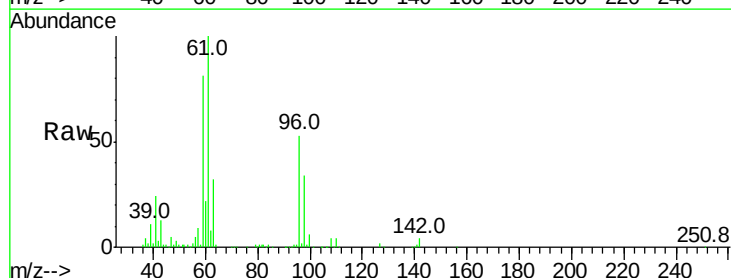
Tgt Ion: 96 Resp: 545479

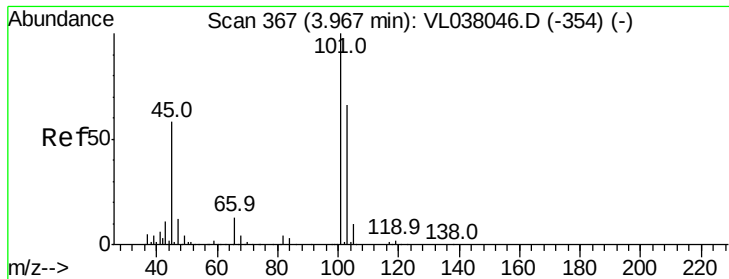
Ion Ratio Lower Upper

96 100

61 187.0 149.8 224.8

98 63.0 50.2 75.2





#19

Isopropyl Alcohol

Concen: 10.034 ppbv

RT: 3.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

45 100

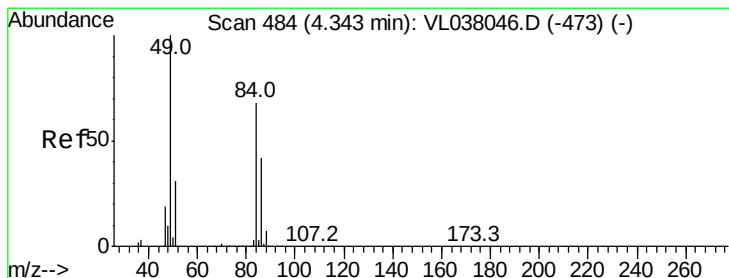
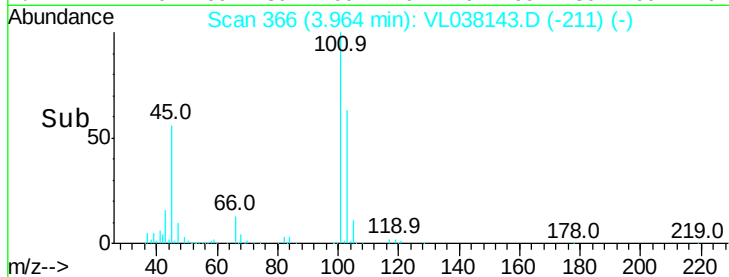
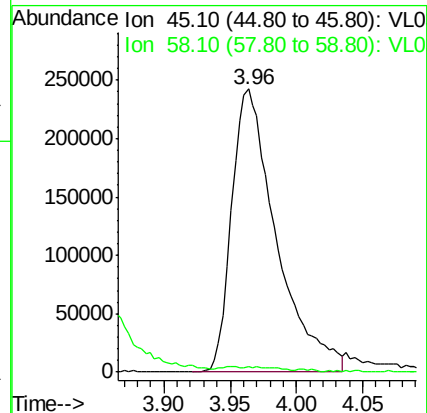
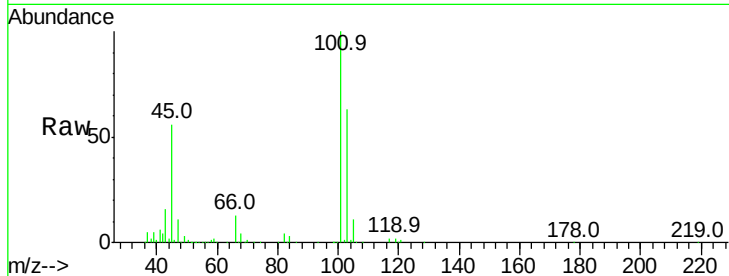
58 3.

Manual Integrations

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Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#20

Methylene Chloride

Concen: 10.830 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

Tgt Ion: 84 Resp: 474132

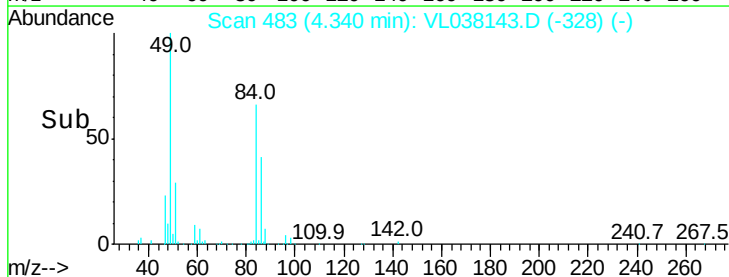
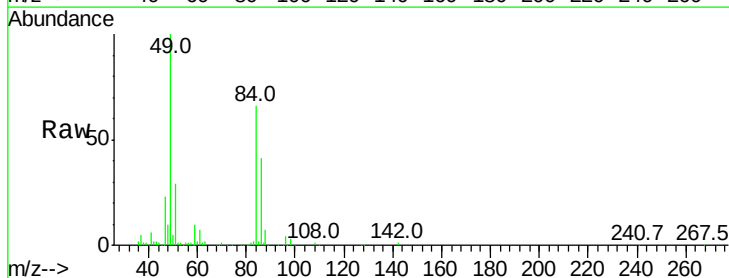
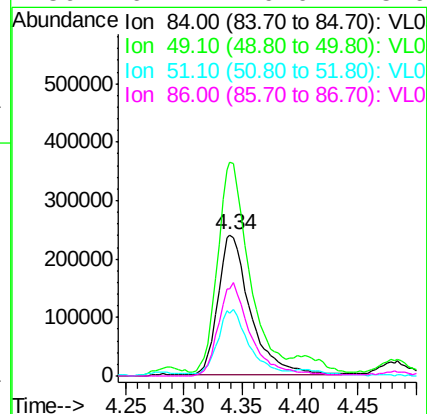
Ion Ratio Lower Upper

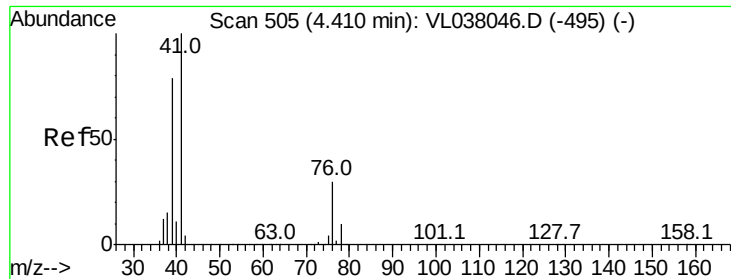
84 100

49 149.7 118.2 177.2

51 43.4 36.8 55.2

86 62.2 49.0 73.6





#21

Allvl Chloride

Concen: 11.138 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDC010

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

41 100

76 31.

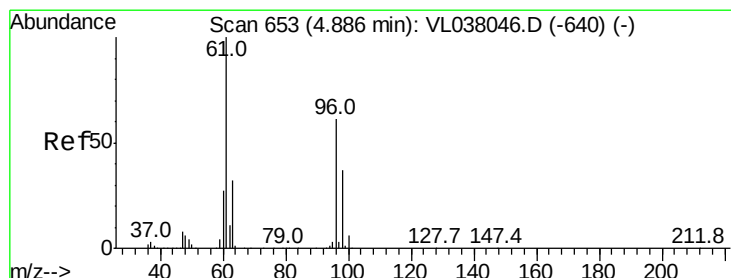
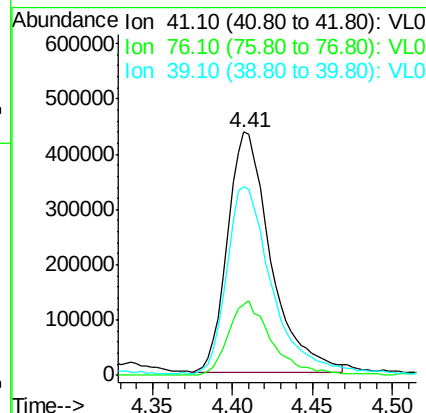
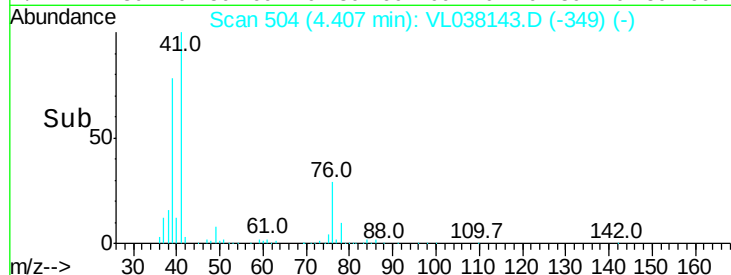
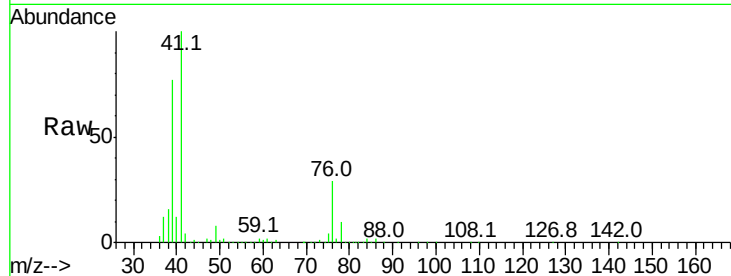
39 82.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#22

trans-1,2-Dichloroethene

Concen: 12.482 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

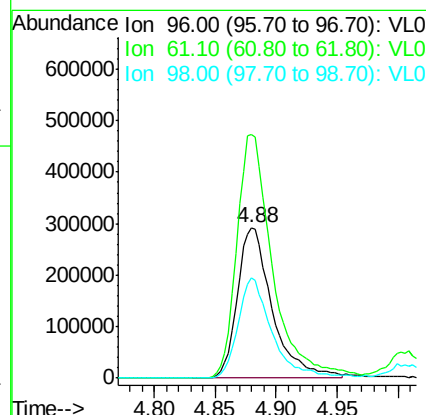
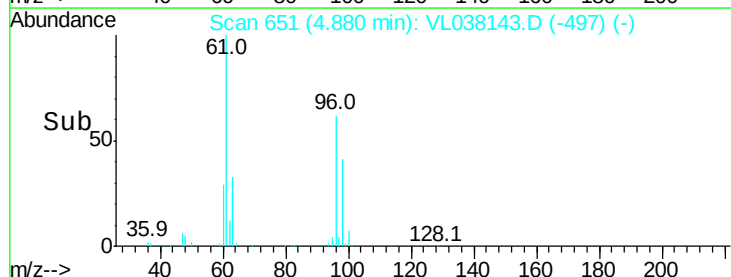
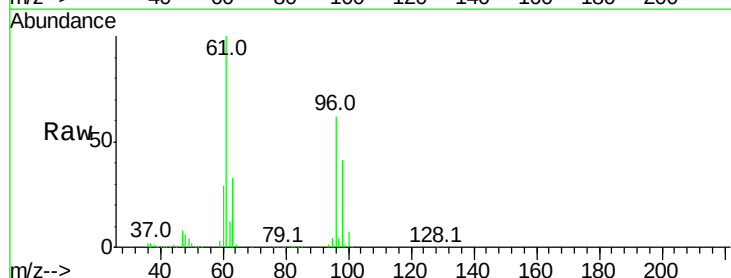
Tgt Ion: 96 Resp: 581004

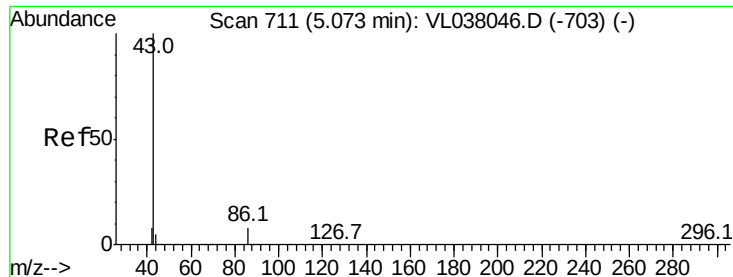
Ion Ratio Lower Upper

96 100

61 161.7 131.6 197.4

98 66.1 48.4 72.6





#23

Vinyl Acetate

Concen: 11.541 ppbv

RT: 5.07 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 10:07 VSTDCCC010

Tot Ion:

Ion Ratio

43 100

86 7.

42 9.

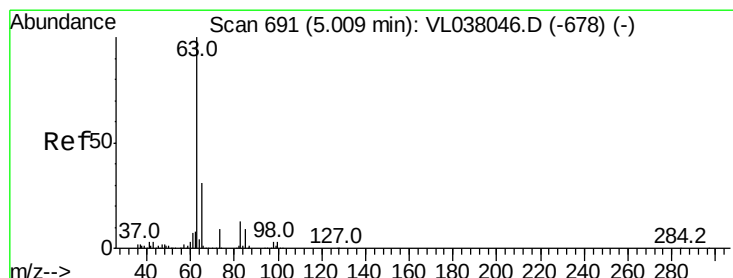
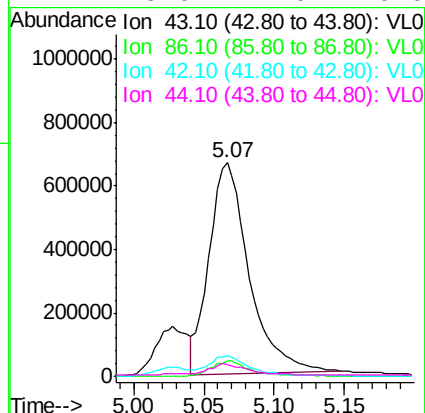
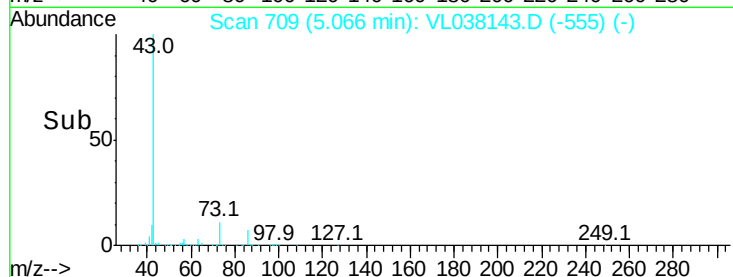
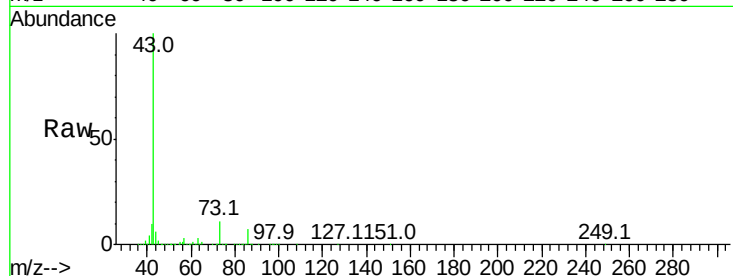
44 5.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#24

1,1-Dichloroethane

Concen: 12.006 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

Tgt Ion: 63 Resp: 1131235

Ion Ratio Lower Upper

63 100

98 4.5

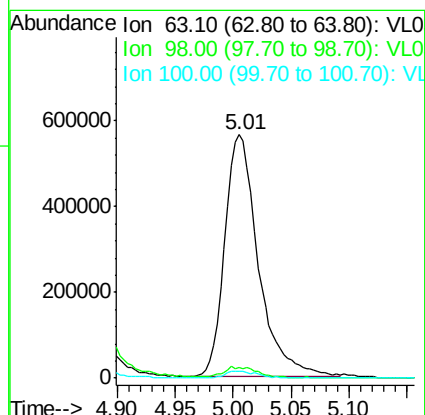
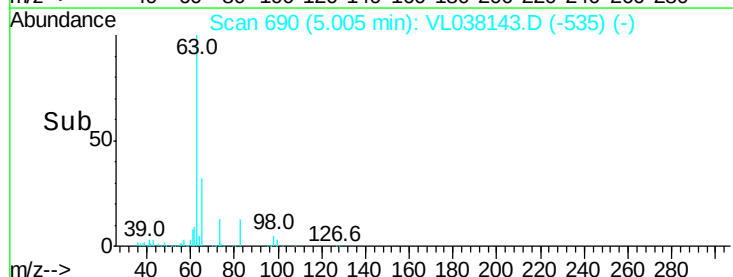
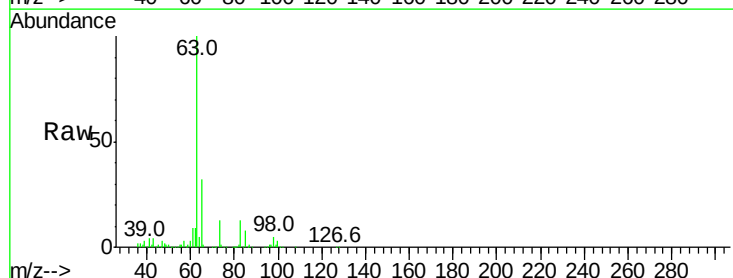
100 2.9

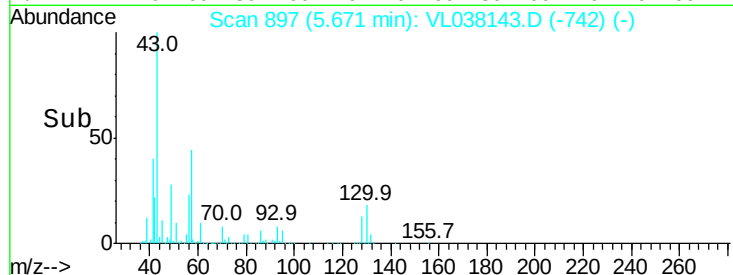
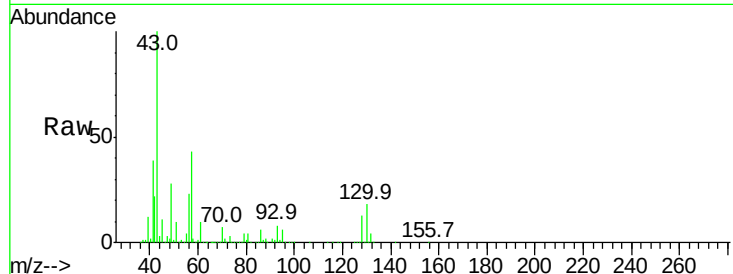
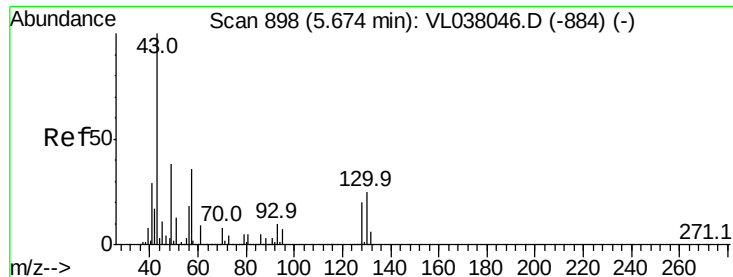
1.8

5.4

1.4

4.0



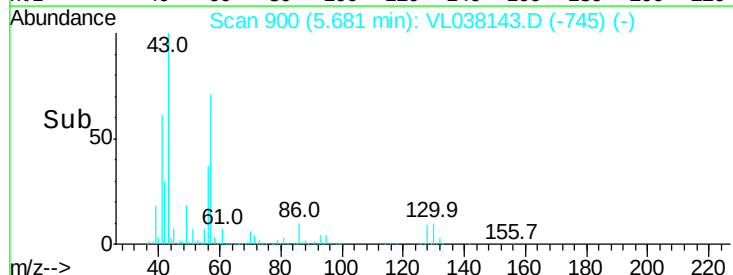
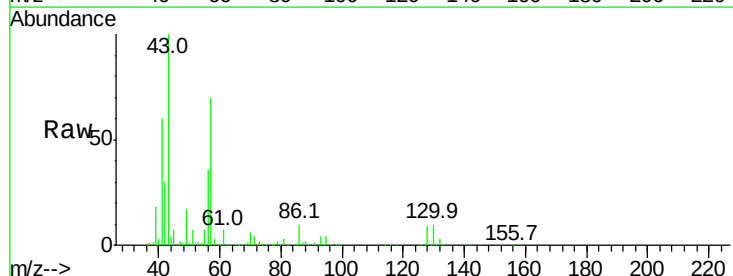
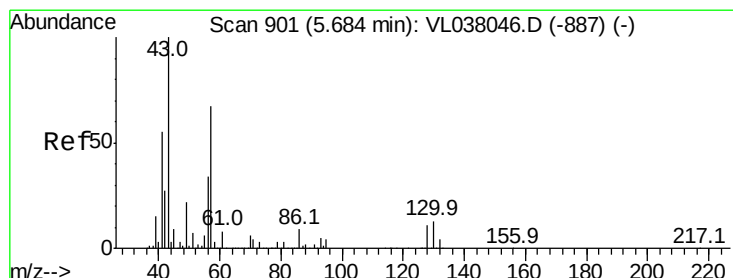
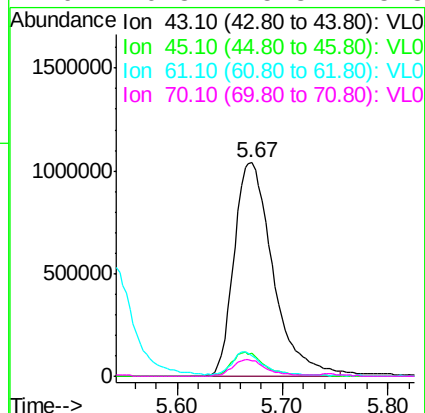


#25
Ethyl Acetate
Concen: 10.181 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 7 Dec 2021 10:07

Tot Ion:
Ion Ratio
43 100
45 10.
61 9.
70 6.8 5.8 8.8

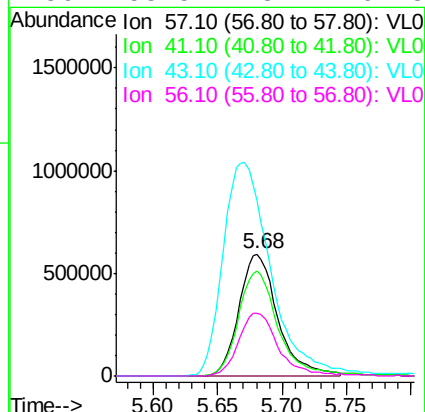
Manual Integrations
APPROVED

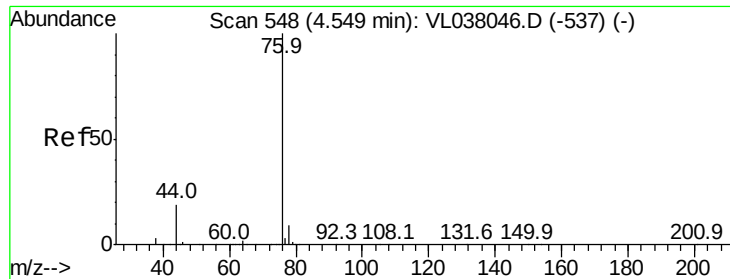
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#26
Hexane
Concen: 9.896 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion: 57 Resp: 1239114
Ion Ratio Lower Upper
57 100
41 89.7 71.4 107.2
43 217.9 174.6 261.8
56 53.5 43.2 64.8





#27

Carbon Disulfide

Concen: 11.903 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

76 100

44 19.

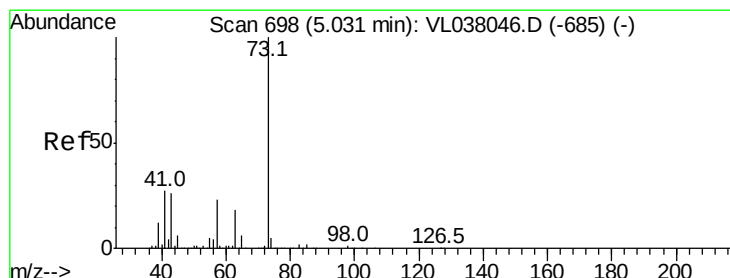
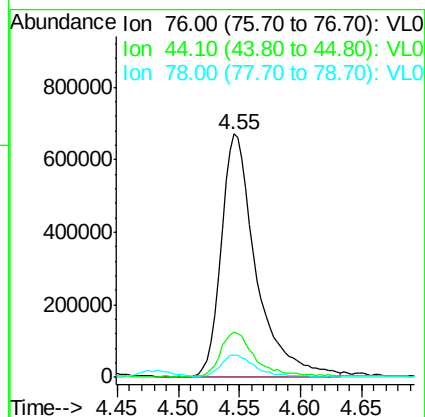
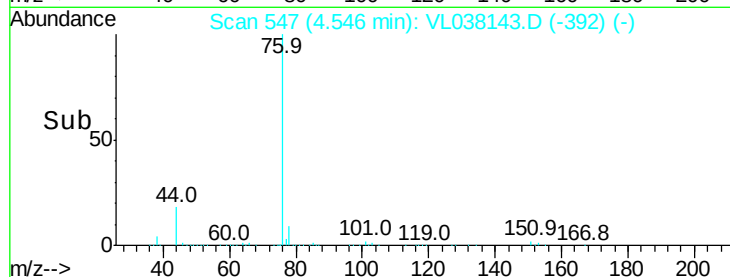
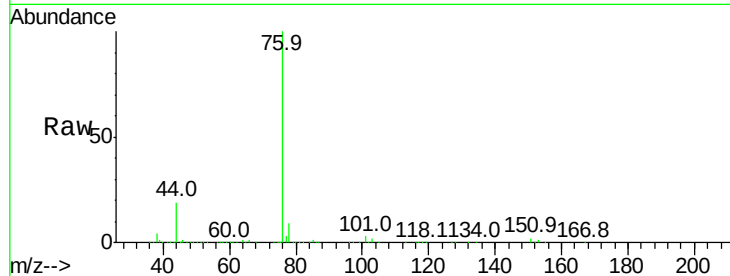
78 9.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#28

Methyl tert-Butyl Ether

Concen: 11.901 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL038143.D

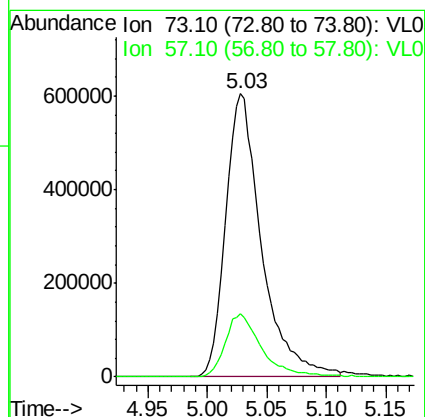
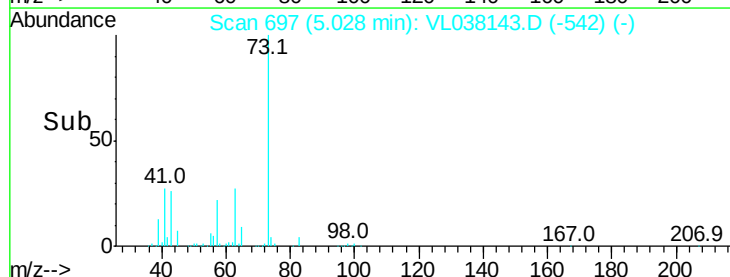
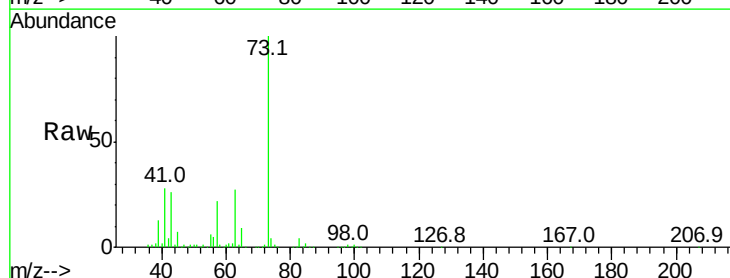
Acq: 7 Dec 2021 10:07

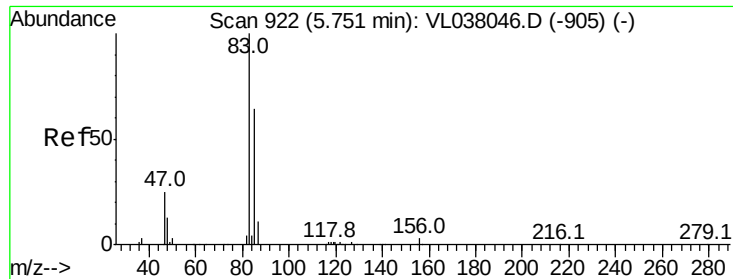
Tgt Ion: 73 Resp: 1265740

Ion Ratio Lower Upper

73 100

57 22.9 19.0 28.4



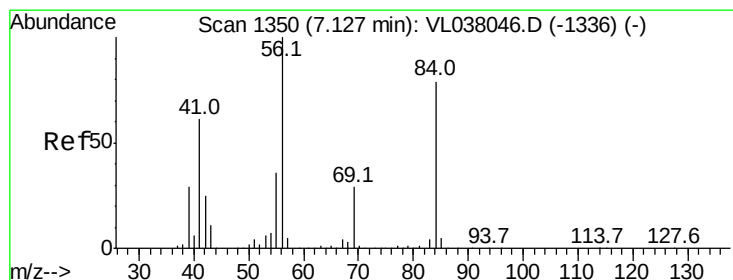
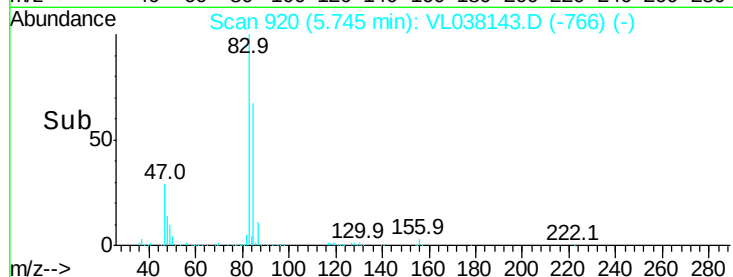
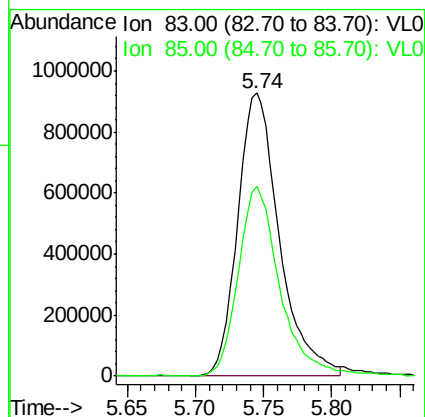
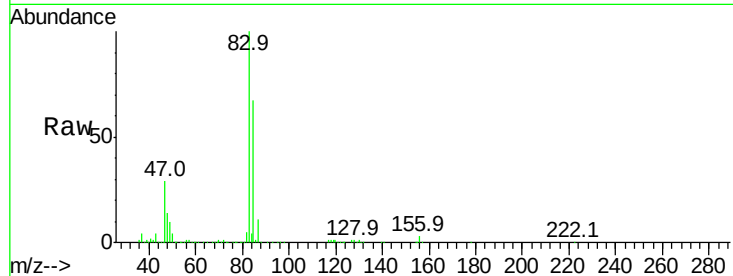


#29
Chloroform
Concen: 10.686 ppbv
RT: 5.74
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 10:07

Tot Ion:
Ion Ratio
83 100
85 66.

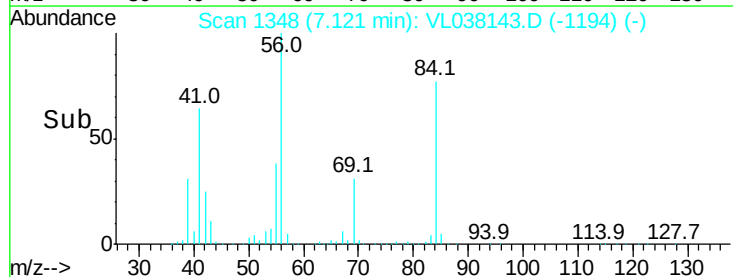
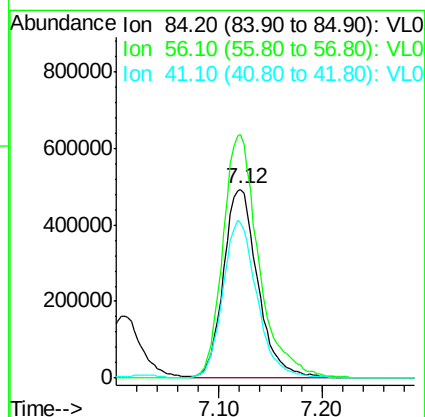
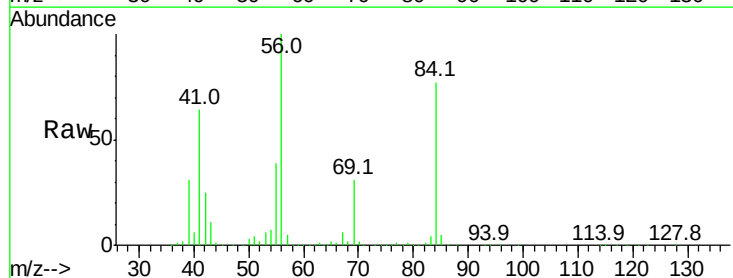
Manual Integrations
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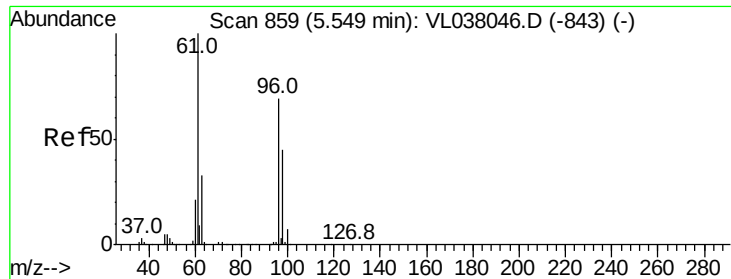
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#30
Cyclohexane
Concen: 10.019 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion: 84 Resp: 1138872
Ion Ratio Lower Upper
84 100
56 135.8 108.1 162.1
41 83.8 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 9.268 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 10:07 VSTDCCC010

Tot Ion:

Ion Ratio

61 100

96 67.

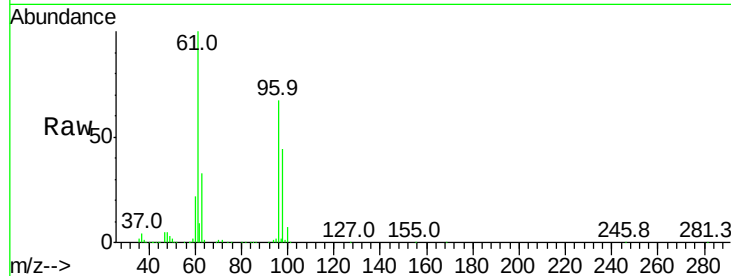
98 44.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

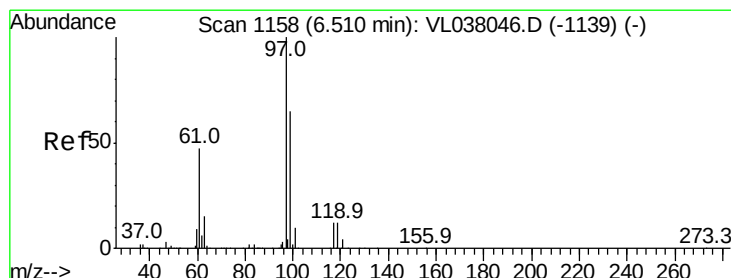
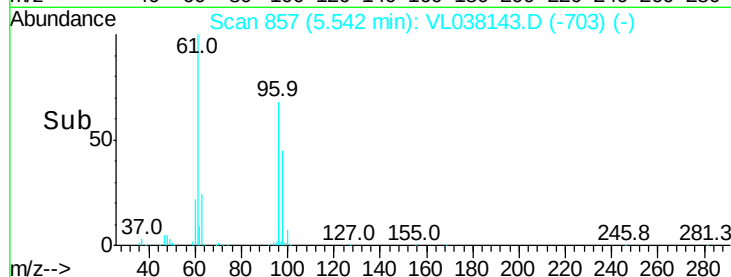
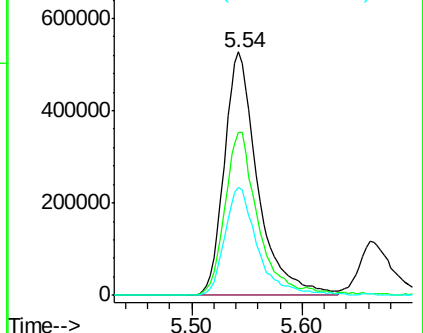
Supervised By :Semsettin Yesilyurt 12/08/2021



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.856 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

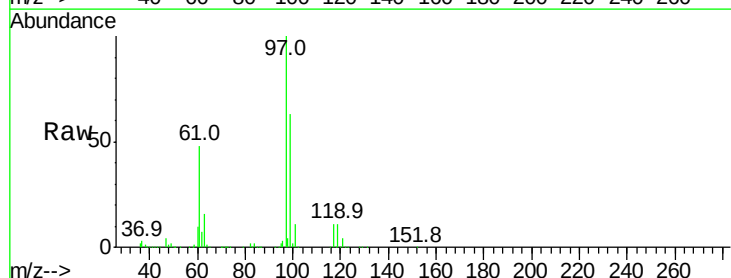
Tgt Ion: 97 Resp: 2033141

Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.4

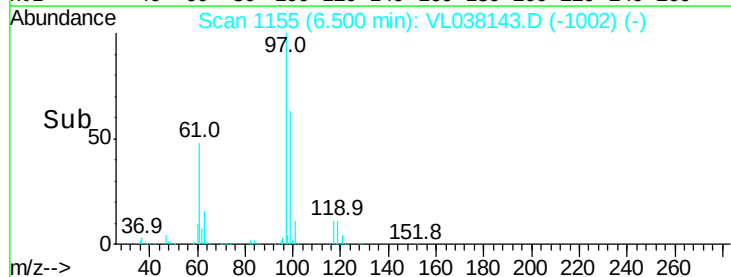
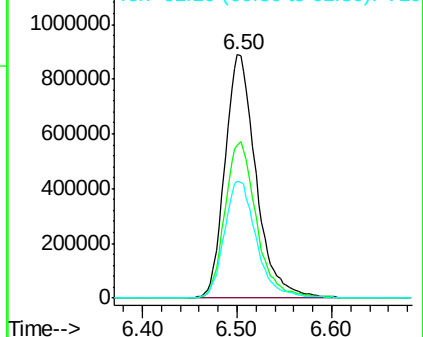
61 49.6 37.7 56.5

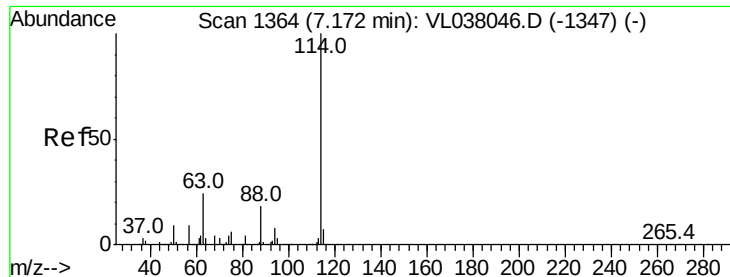


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



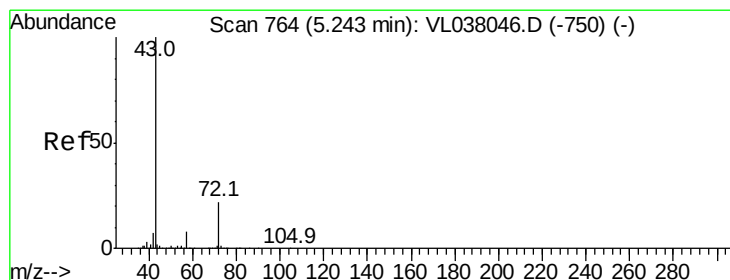
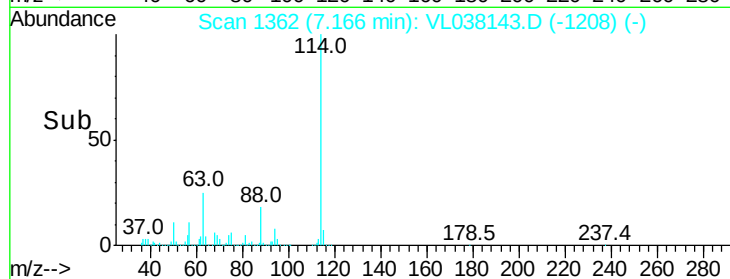
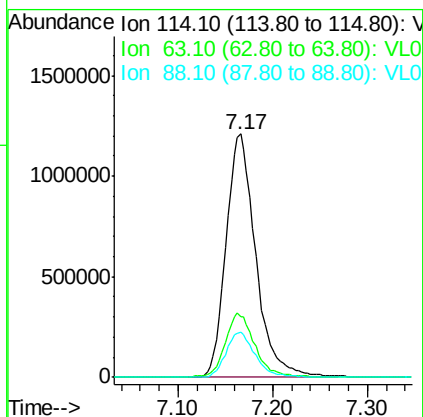
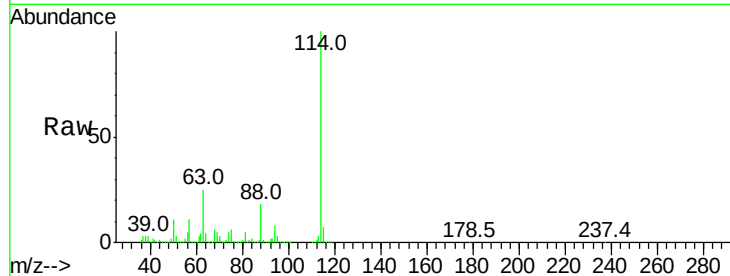


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 10:07

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

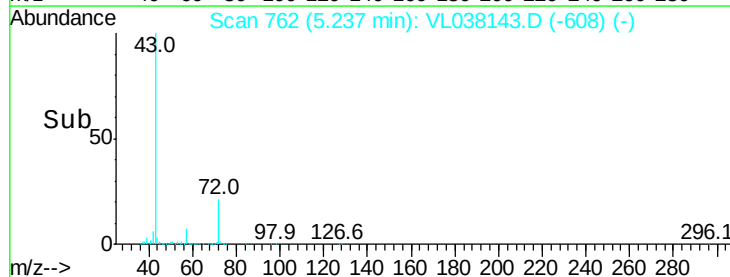
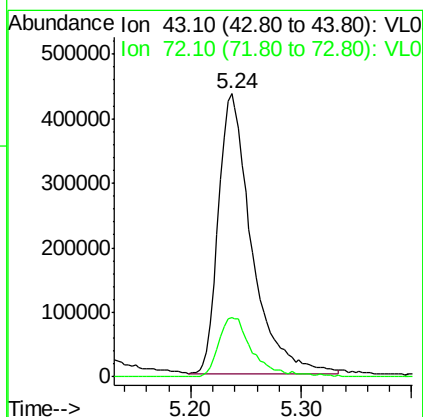
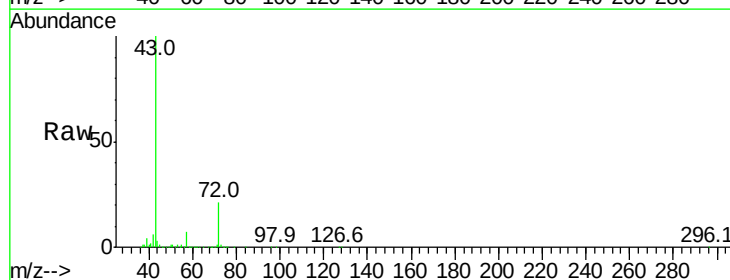
Manual Integrations
 APPROVED

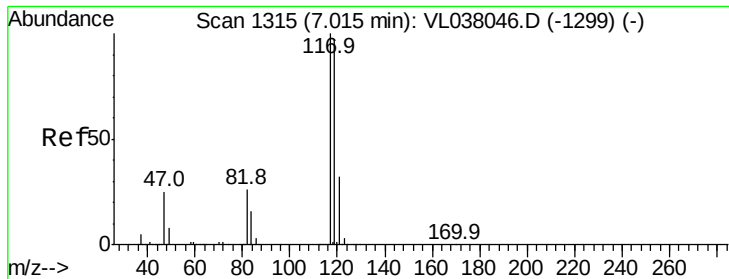
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#34
 2-Butanone
 Concen: 8.490 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL038143.D
 Acq: 7 Dec 2021 10:07

Tgt Ion: 43 Resp: 903967
 Ion Ratio Lower Upper
 43 100
 72 22.4 18.8 28.2



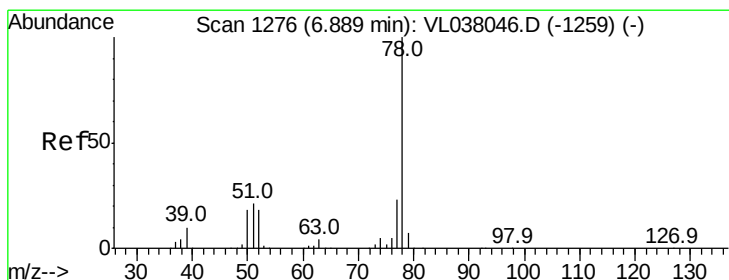
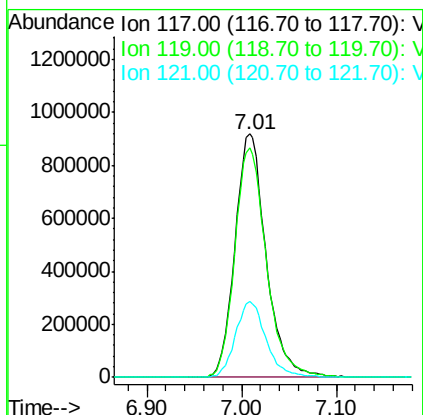
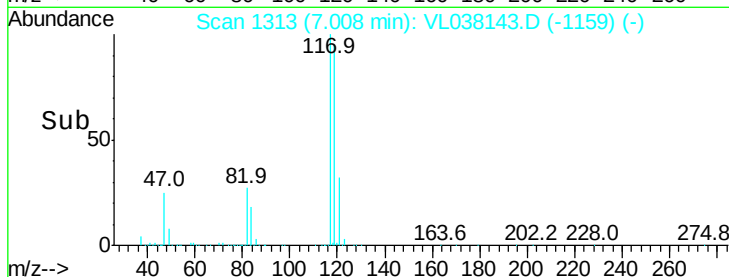
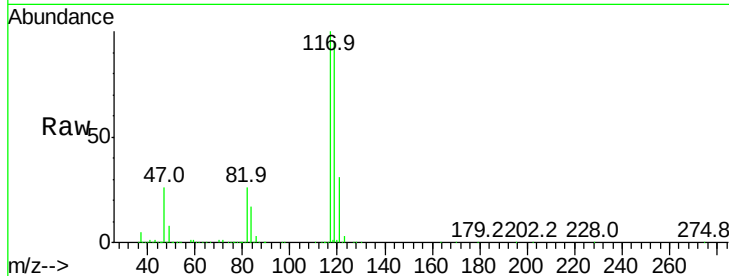


#35
Carbon Tetrachloride
Concen: 11.266 ppbv
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 7 Dec 2021 10:07

Tot Ion:1
Ion Rati
117 100
119 94.
121 31.

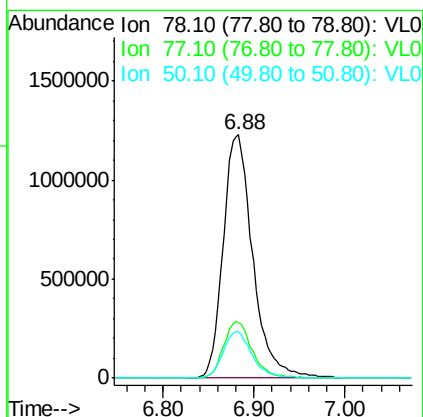
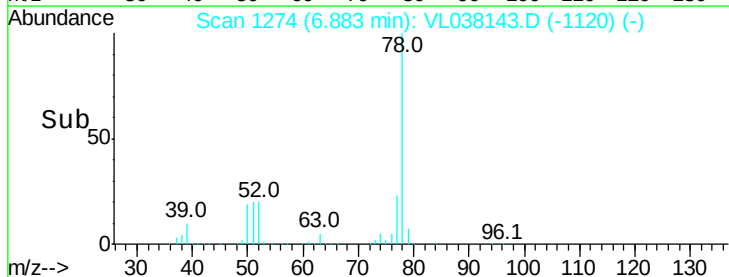
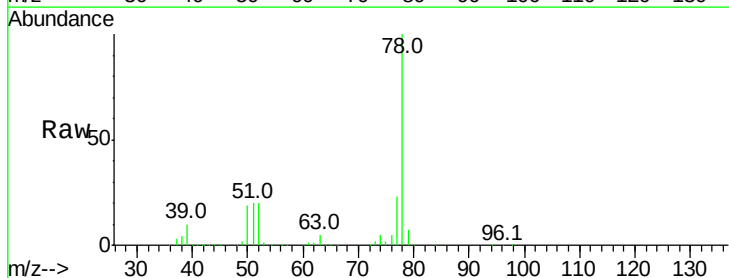
Manual Integrations
APPROVED

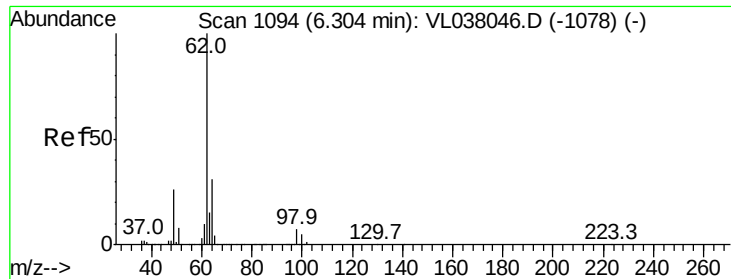
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#36
Benzene
Concen: 10.547 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion: 78 Resp: 2777981
Ion Ratio Lower Upper
78 100
77 23.0 18.2 27.4
50 19.1 14.7 22.1



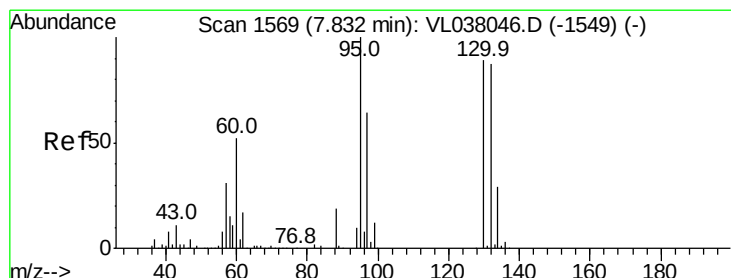
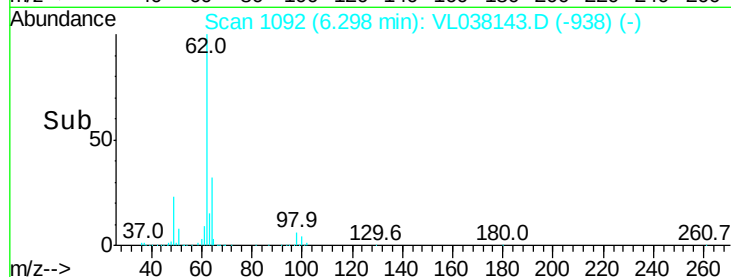
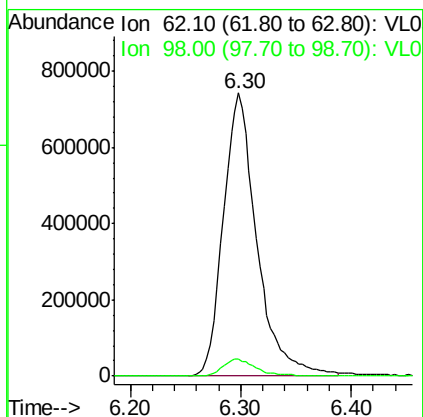
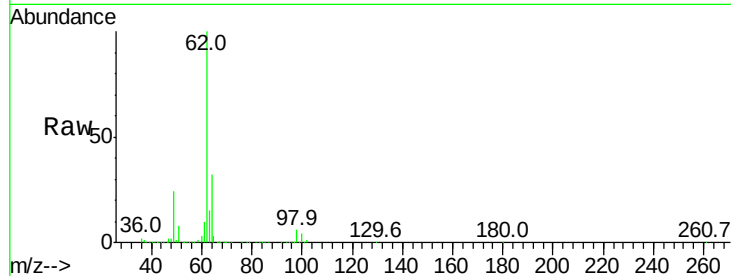


#37
 1,2-Dichloroethane
 Concen: 12.264 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 10:07

Tot Ion:
 Ion Ratio
 62 100
 98 6.

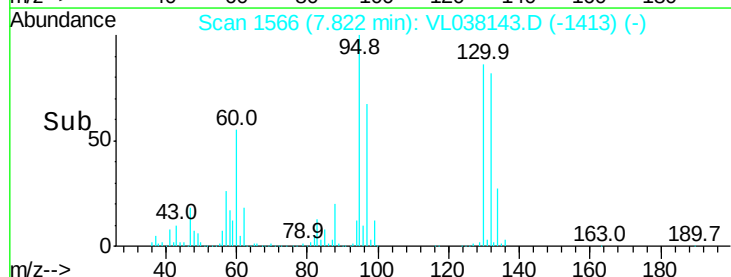
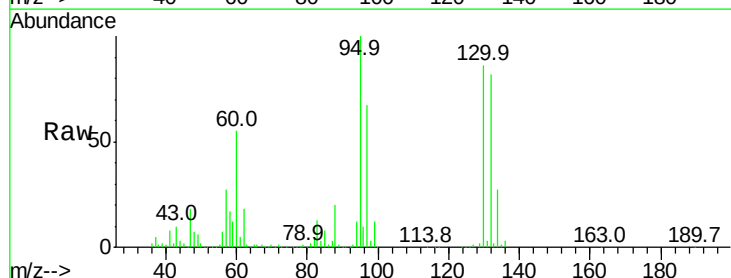
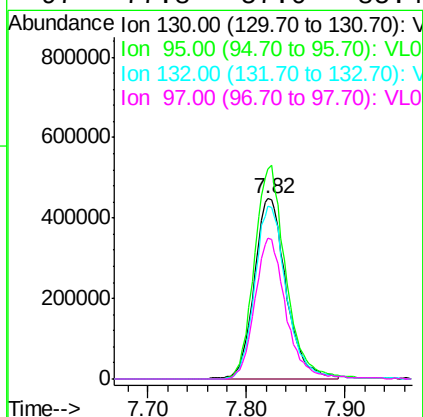
Manual Integrations
 APPROVED

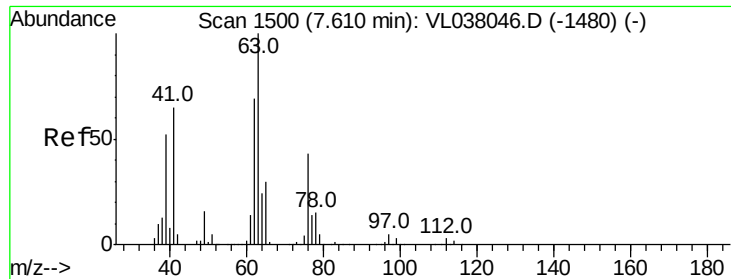
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#38
 Trichloroethene
 Concen: 10.042 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL038143.D
 Acq: 7 Dec 2021 10:07

Tgt Ion:130 Resp: 997727
 Ion Ratio Lower Upper
 130 100
 95 116.3 89.4 134.2
 132 95.7 78.2 117.2
 97 77.8 57.0 85.4



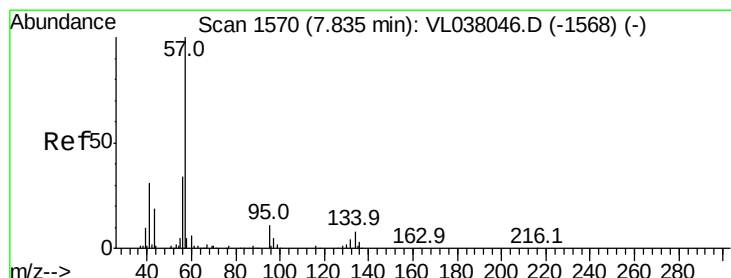
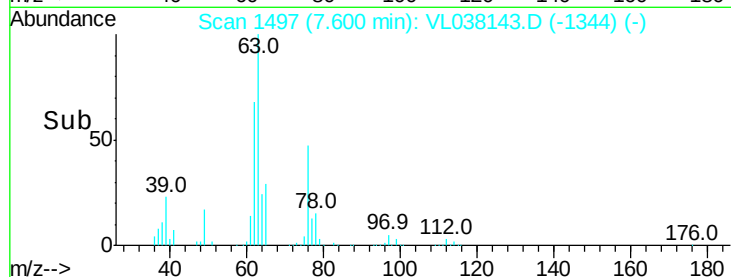
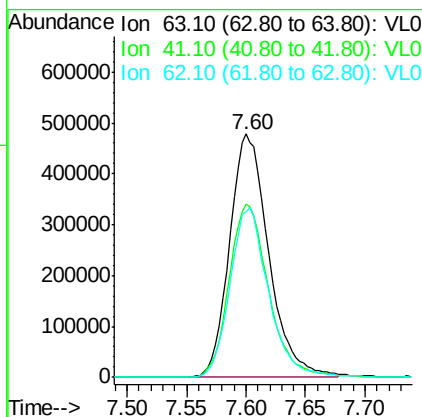
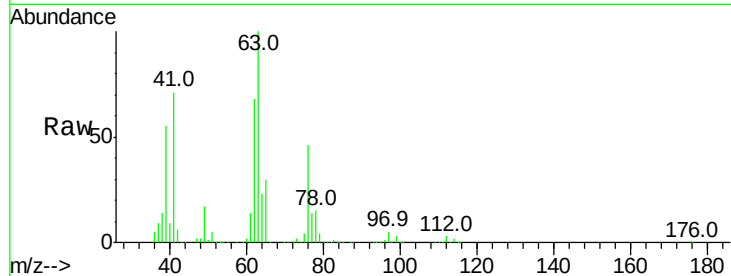


#39
 1,2-Dichloropropane
 Concen: 10.750 ppbv
 RT: 7.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 7 Dec 2021 10:07

Tot Ion:
 Ion Ratio
 63 100
 41 70.
 62 67.

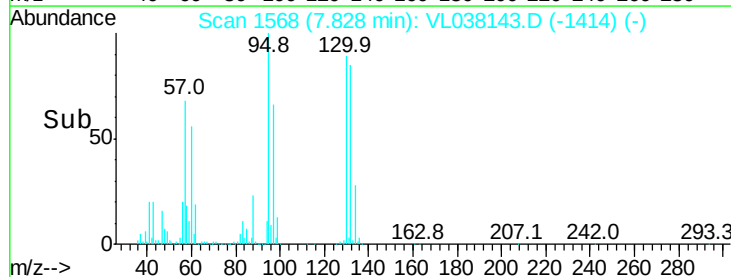
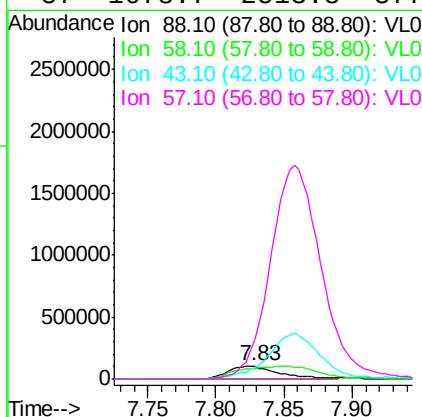
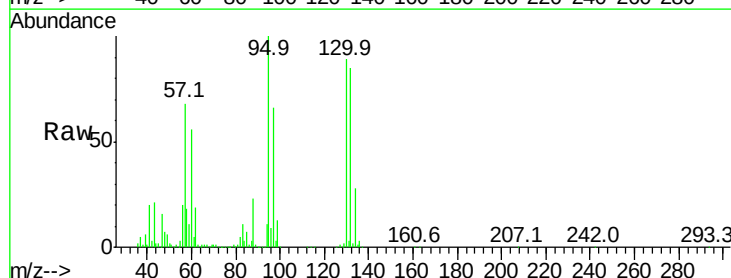
Manual Integrations
 APPROVED

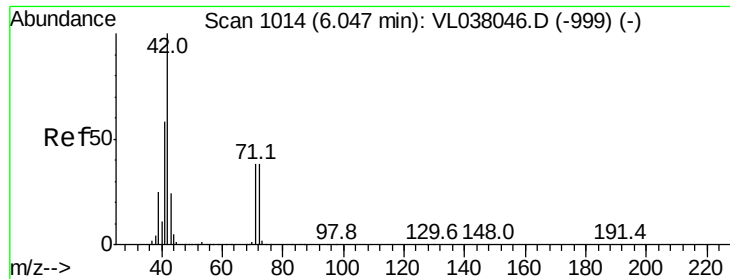
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#40
 1,4-Dioxane
 Concen: 10.180 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL038143.D
 Acq: 7 Dec 2021 10:07

Tgt Ion: 88 Resp: 267969
 Ion Ratio Lower Upper
 88 100
 58 157.1 229.2 343.8#
 43 376.3 553.3 829.9#
 57 1678.7 2513.8 3770.8#



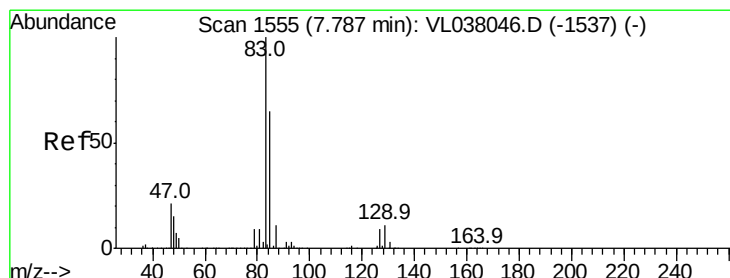
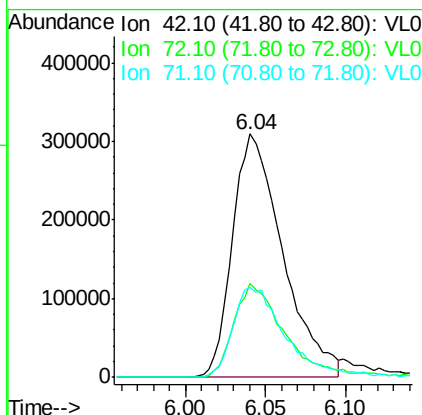
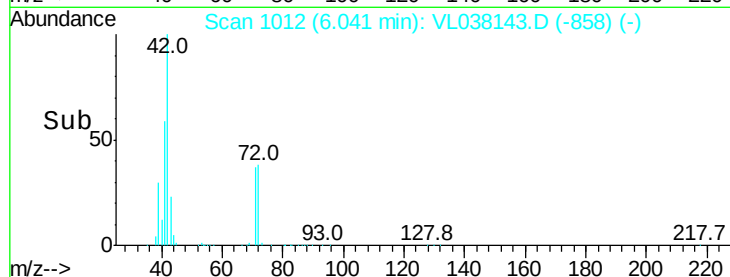
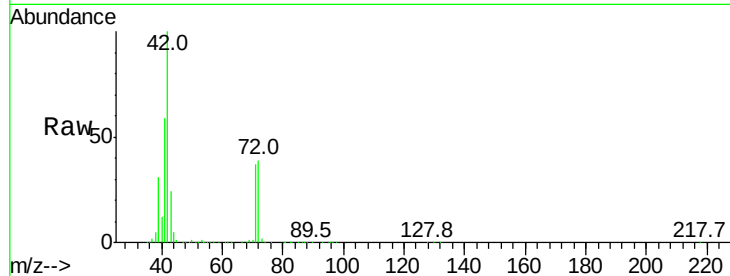


#41
Tetrahydrofuran
Concen: 10.085 ppbv
RT: 6.04
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 10:07

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

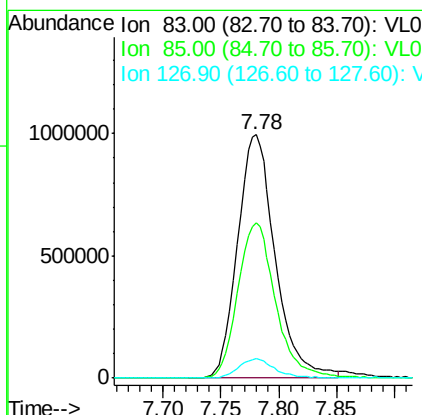
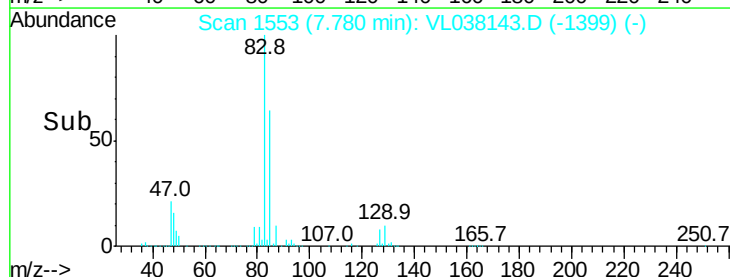
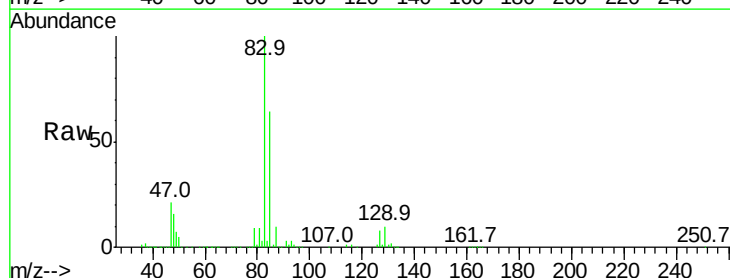
Manual Integrations
APPROVED

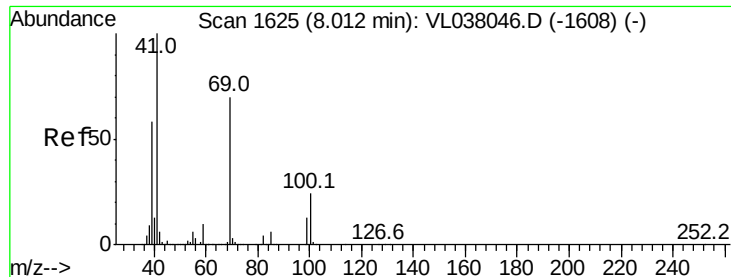
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#42
Bromodichloromethane
Concen: 11.623 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion: 83 Resp: 2247723
Ion Ratio Lower Upper
83 100
85 63.9 51.9 77.9
127 8.2 6.8 10.2



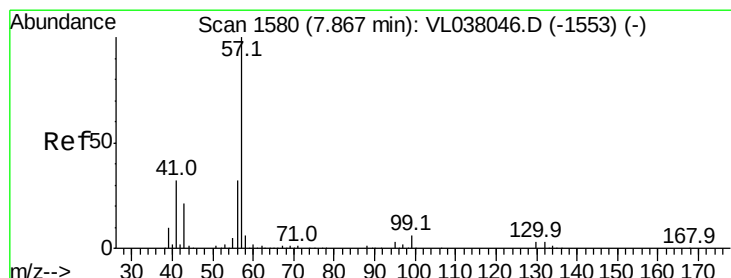
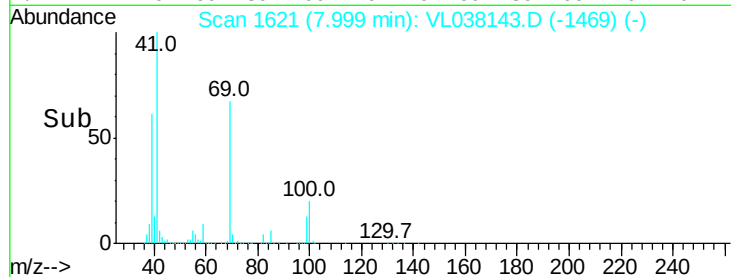
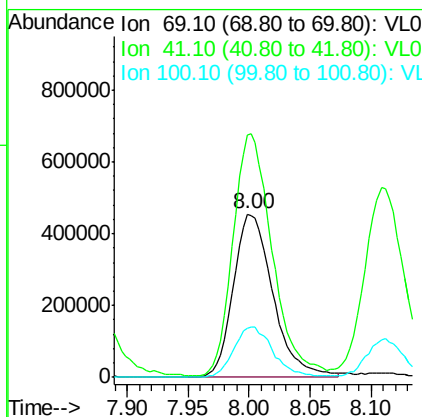
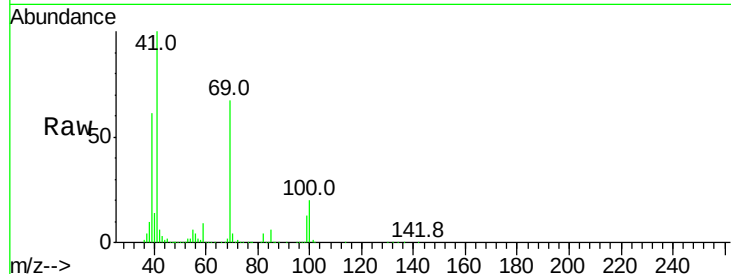


#43
Methyl Methacrylate
Concen: 11.367 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Dec 2021 10:07

Tot Ion:
Ion Ratio
69 100
41 147.
100 31.

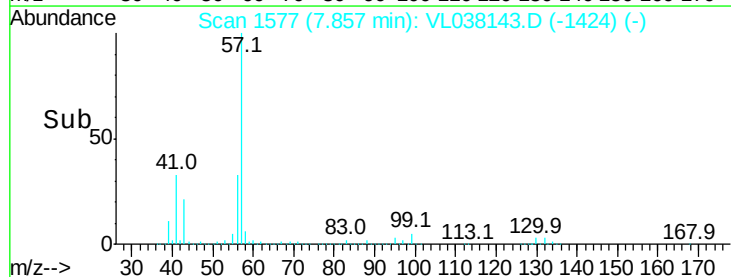
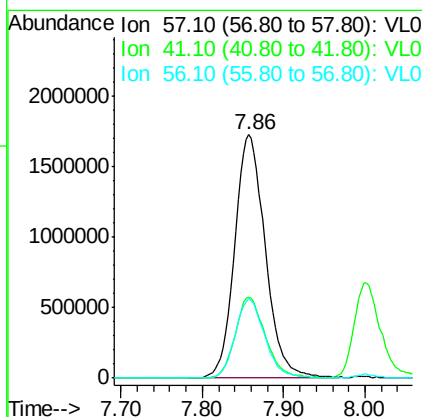
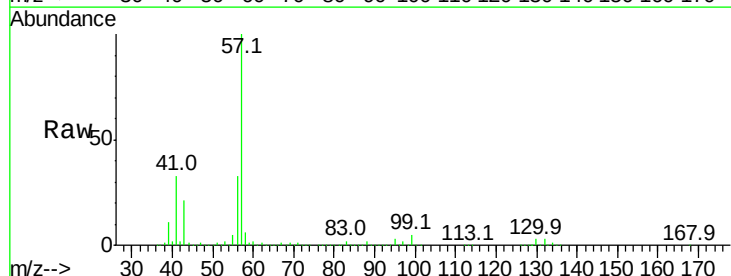
Manual Integrations
APPROVED

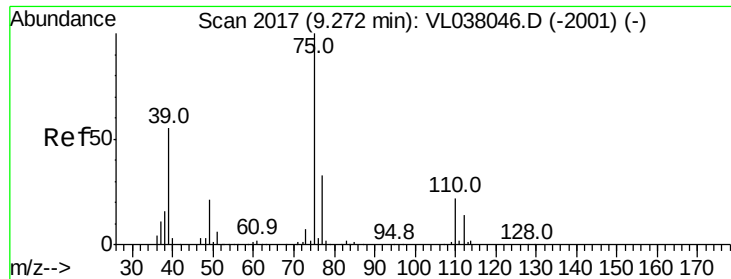
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#44
2,2,4-Trimethylpentane
Concen: 10.202 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion: 57 Resp: 4495914
Ion Ratio Lower Upper
57 100
41 33.0 25.8 38.6
56 31.5 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 12.947 ppbv

RT: 9.27

Instrument: MSVOA_1

Delta R.T.:

ClientSampleId:

Lab File: VSTDCCC010

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

75 100

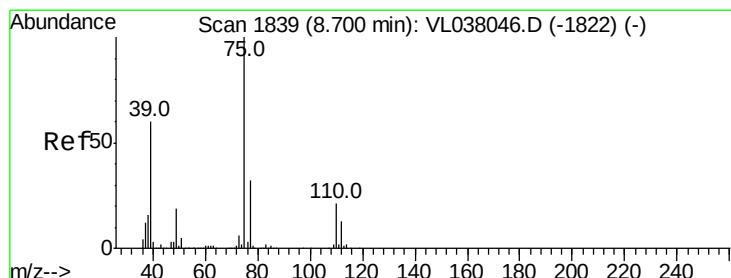
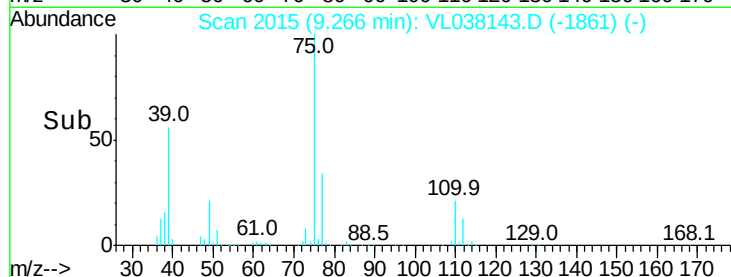
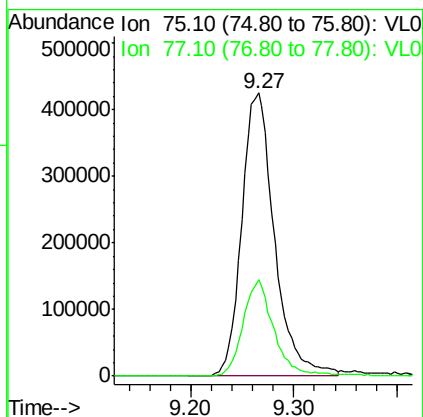
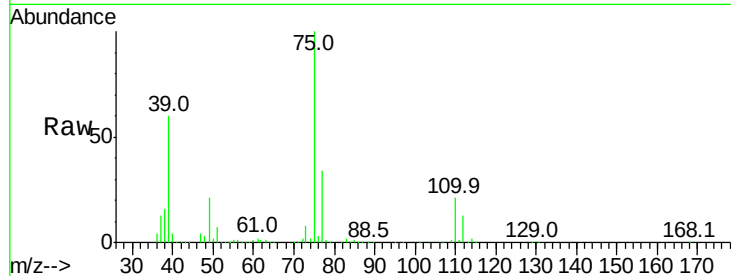
77 34.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#46

cis-1,3-Dichloropropene

Concen: 11.912 ppbv

RT: 8.69 min Scan# 1836

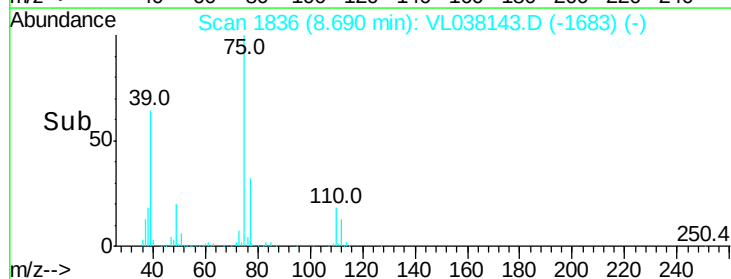
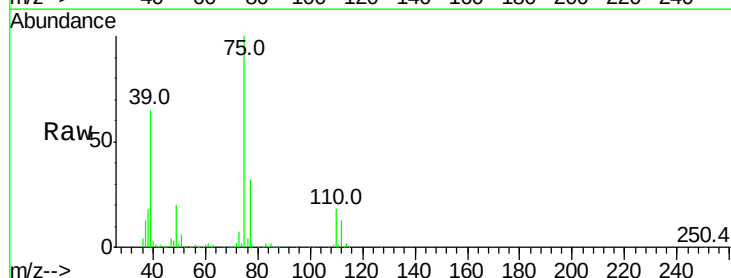
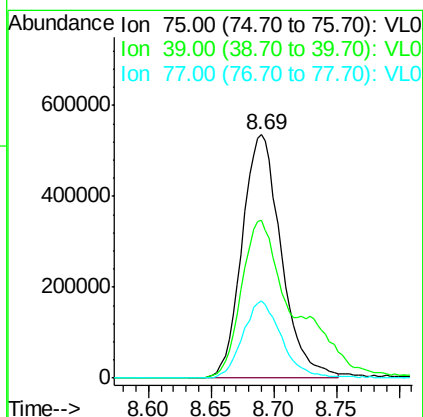
Delta R.T. -0.01 min

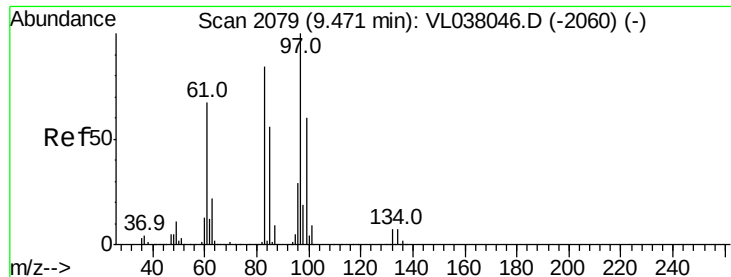
Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

Tgt Ion: 75 Resp: 1164544

Ion	Ratio	Lower	Upper
75	100		
39	65.0	47.8	71.8
77	31.5	25.5	38.3





#47

1,1,2-Trichloroethane

Concen: 10.327 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

97 100

83 90.

85 59.

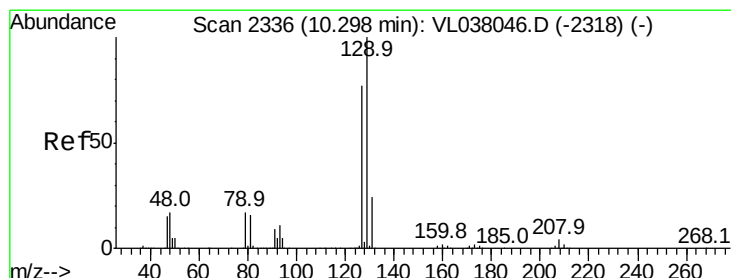
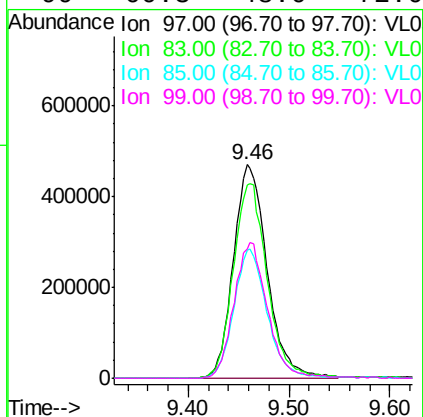
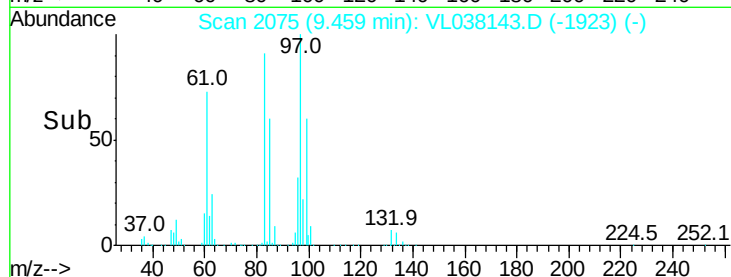
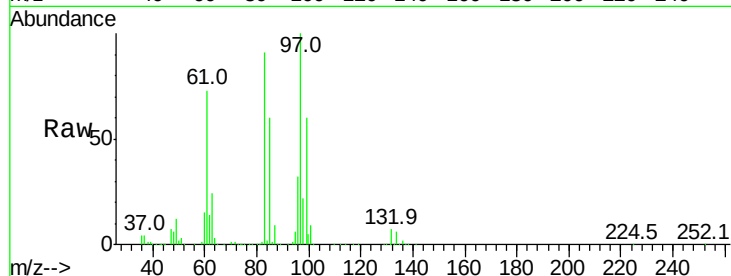
99 60.3 48.0 72.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#48

Dibromochloromethane

Concen: 11.198 ppbv

RT: 10.29 min Scan# 2333

Delta R.T. -0.01 min

Lab File: VL038143.D

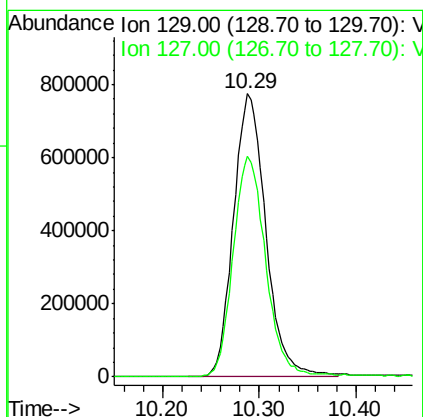
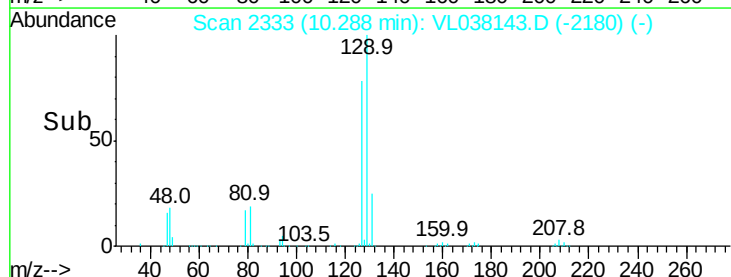
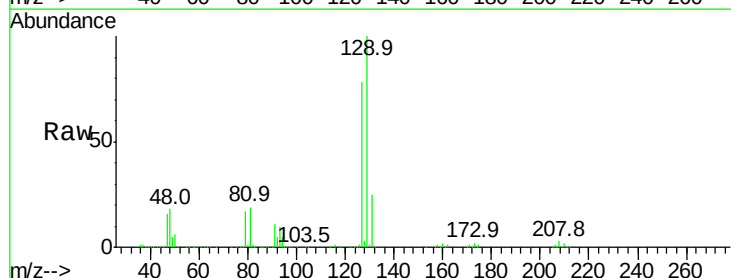
Acq: 7 Dec 2021 10:07

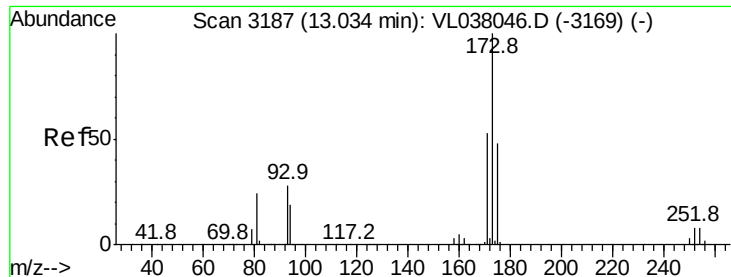
Tgt Ion:129 Resp: 1804533

Ion Ratio Lower Upper

129 100

127 79.8 39.4 118.1





#49

Bromoform

Concen: 11.073 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 10:07

Tot Ion:1

Ion Ratio

173 100

175 52.

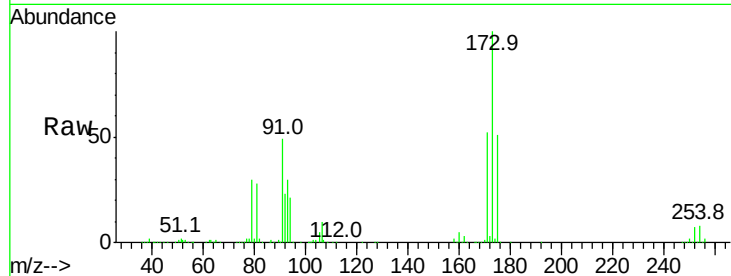
171 56.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

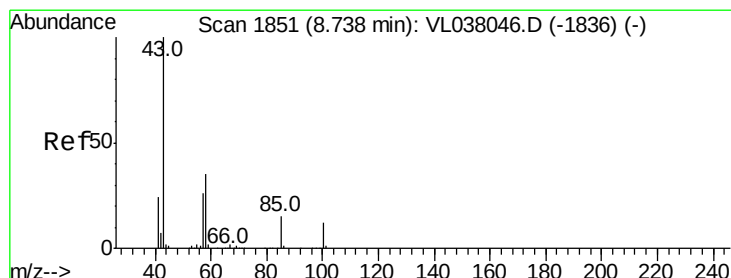
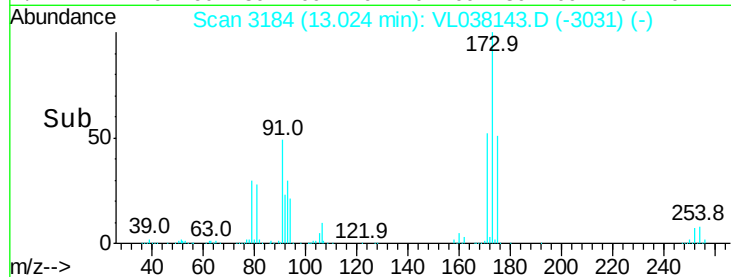
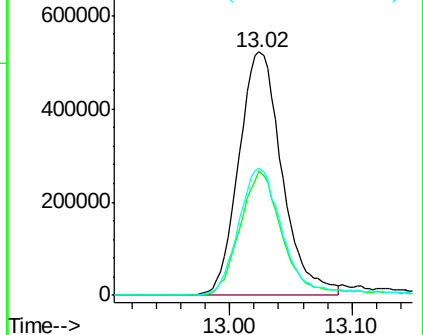
Supervised By :Semsettin Yesilyurt 12/08/2021



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: 11.252 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.01 min

Lab File: VL038143.D

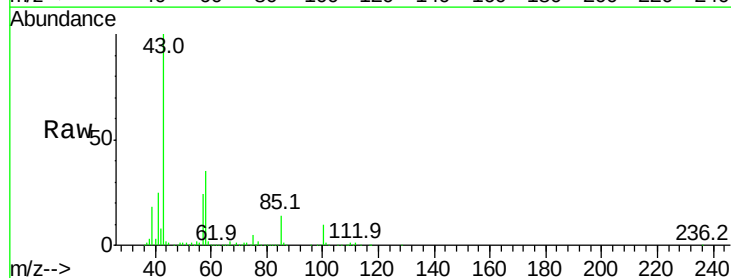
Acq: 7 Dec 2021 10:07

Tgt Ion: 43 Resp: 1819271

Ion Ratio Lower Upper

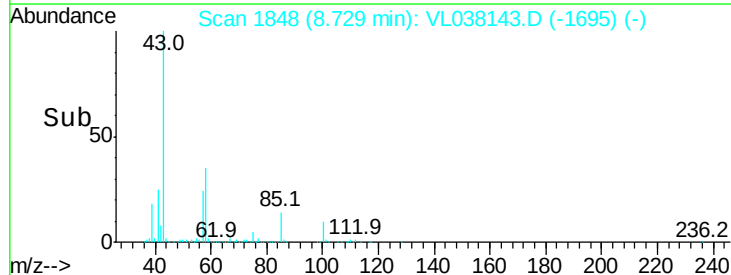
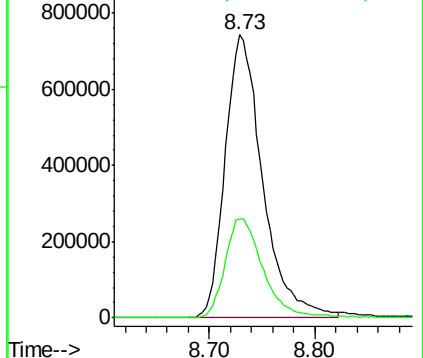
43 100

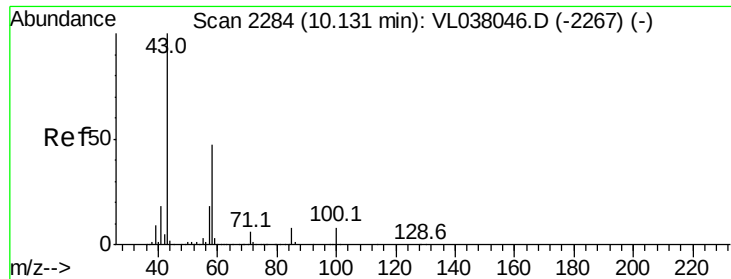
58 36.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.996 ppbv

RT: 10.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

43 100

58 49.

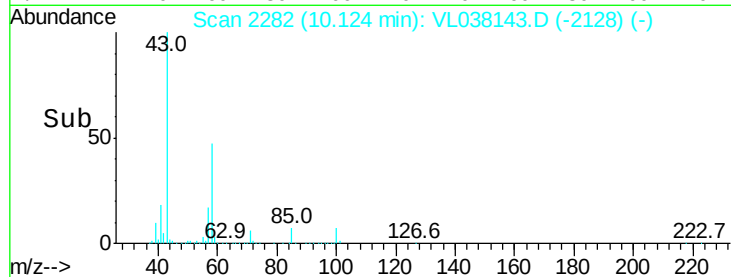
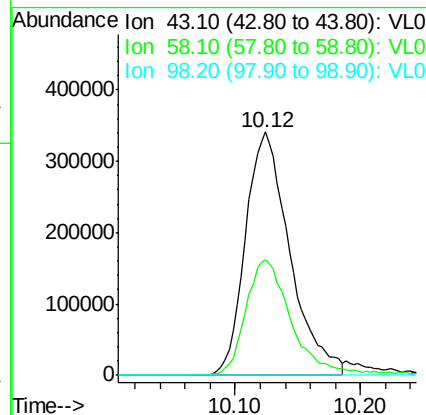
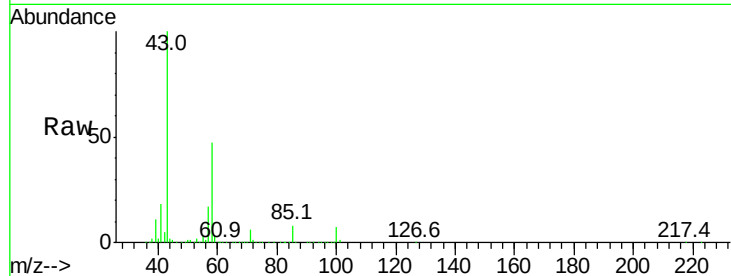
98 0.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#52

Tetrachloroethene

Concen: 9.158 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.01 min

Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

Tgt Ion:164 Resp: 892480

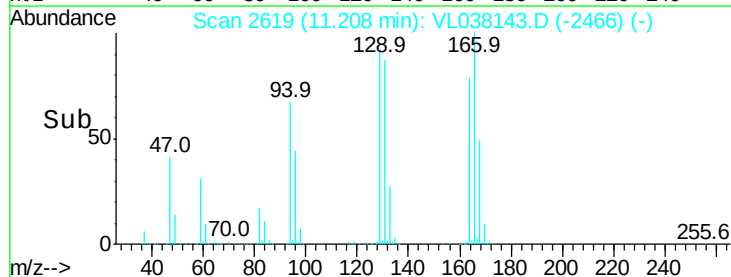
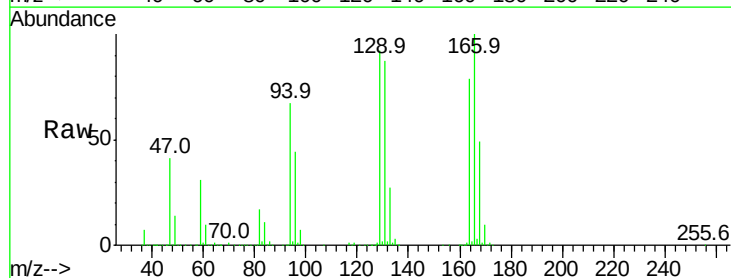
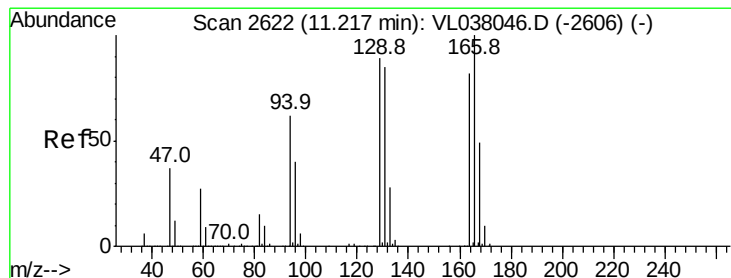
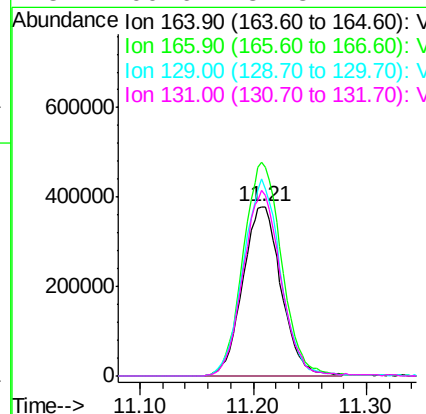
Ion Ratio Lower Upper

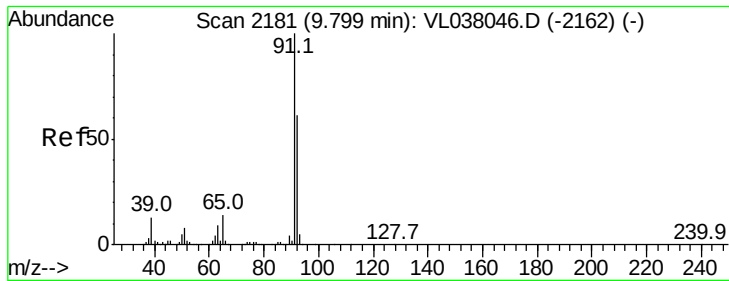
164 100

166 126.2 97.2 145.8

129 116.3 86.9 130.3

131 109.6 82.8 124.2



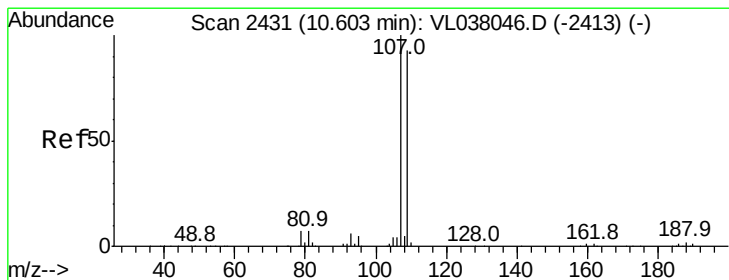
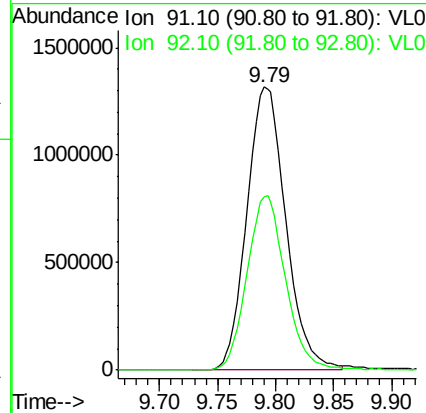
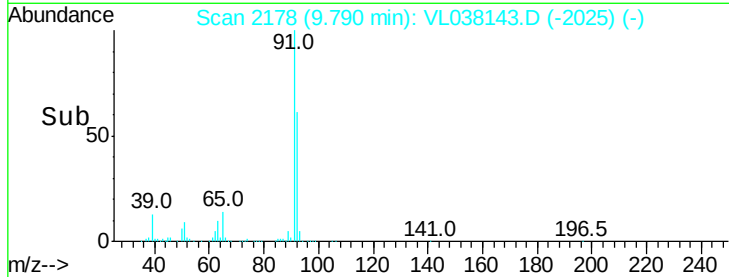
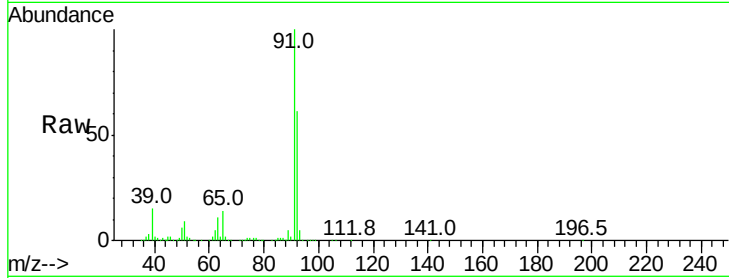


#53
Toluene
Concen: 10.166 ppbv
RT: 9.79 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Dec 2021 10:07

Tot Ion:
Ion Ratio
91 100
92 61.

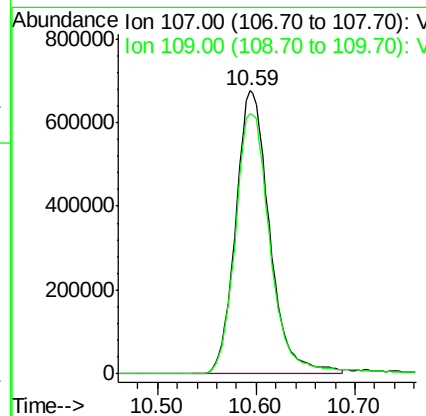
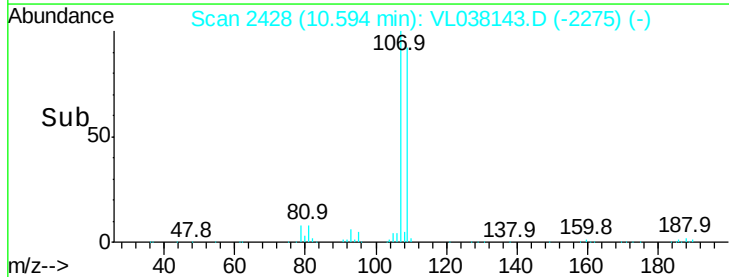
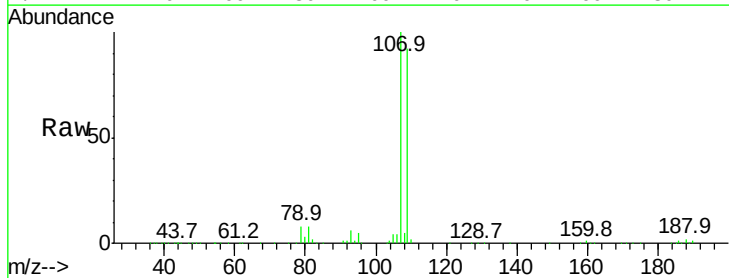
Manual Integrations
APPROVED

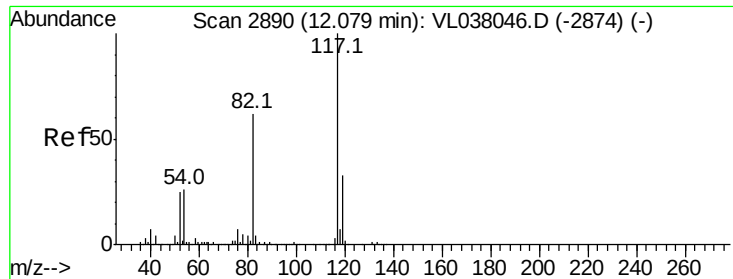
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#54
1,2-Dibromoethane
Concen: 10.802 ppbv
RT: 10.59 min Scan# 2428
Delta R.T. -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion:107 Resp: 1614534
Ion Ratio Lower Upper
107 100
109 91.8 74.6 111.8



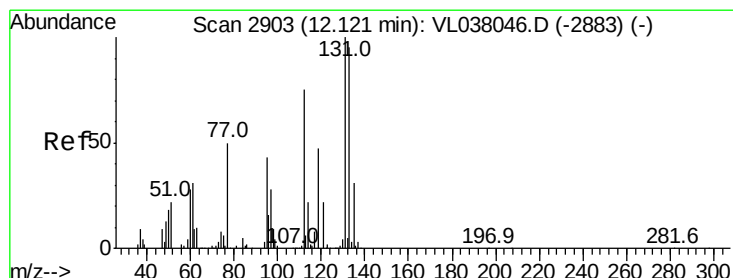
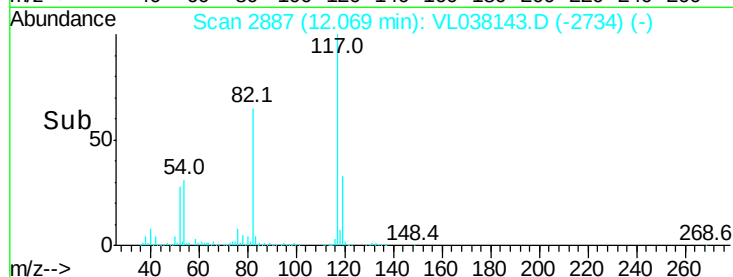
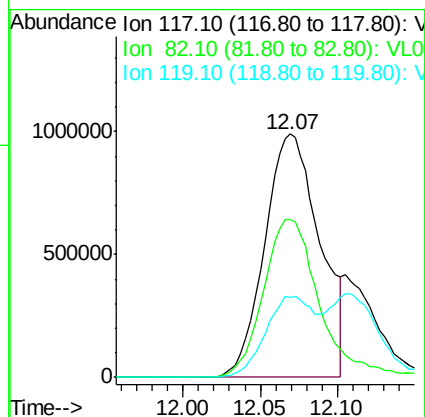
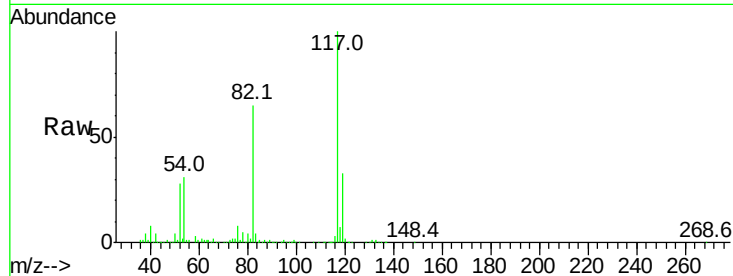


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 10:07

Tot Ion:1
Ion Ratio
117 100
82 67.
119 29.

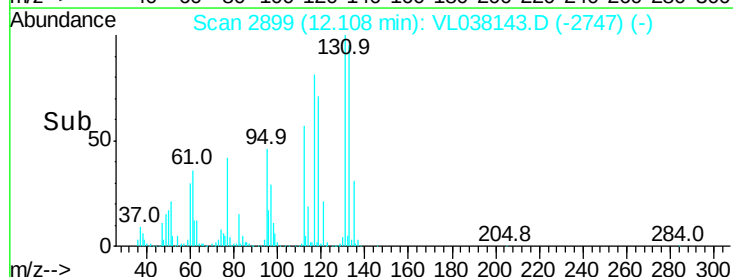
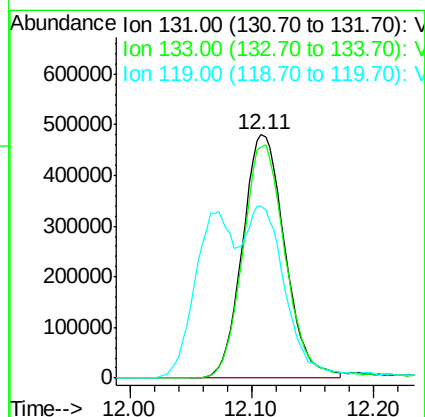
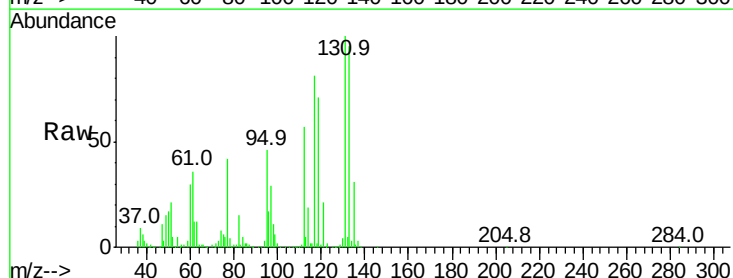
Manual Integrations
APPROVED

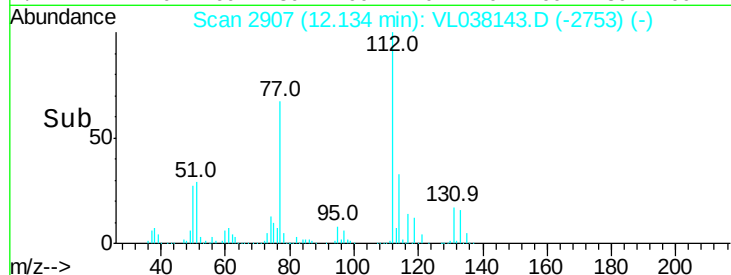
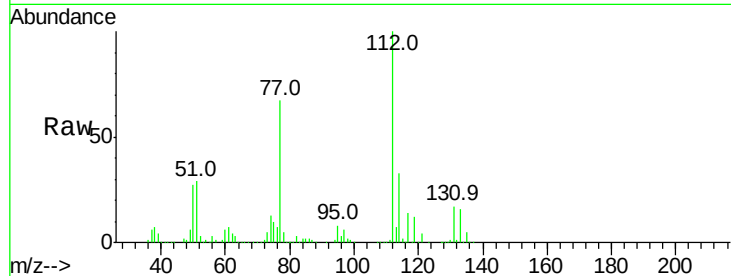
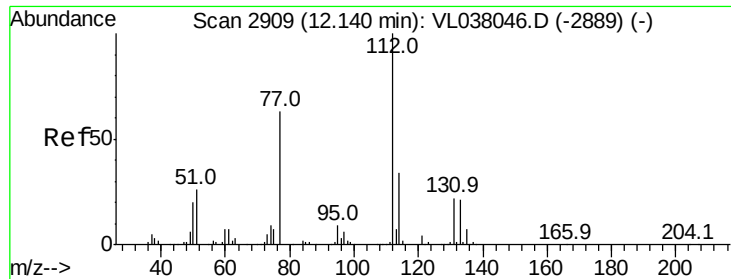
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 10.350 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion:131 Resp: 1154091
Ion Ratio Lower Upper
131 100
133 96.7 78.8 118.2
119 74.5 56.3 84.5



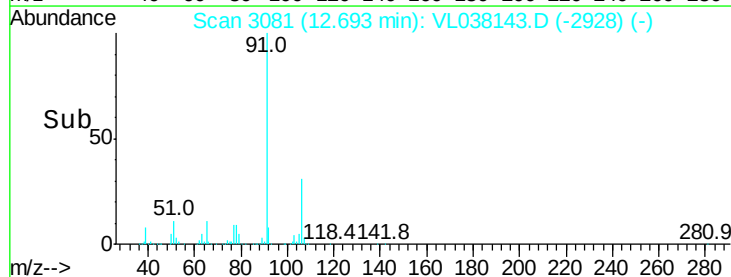
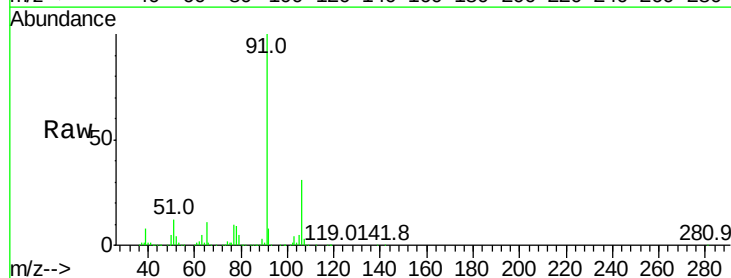
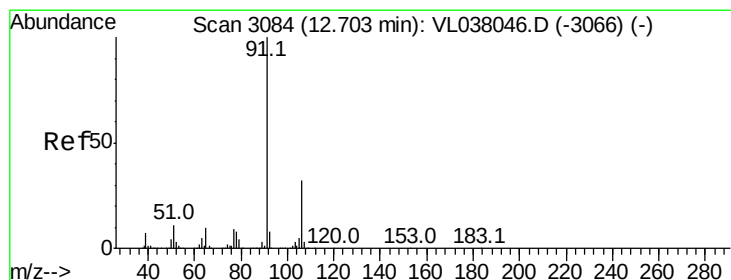
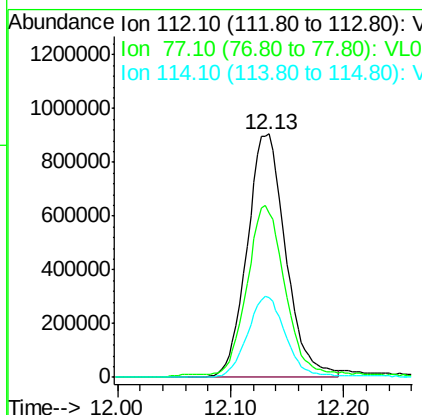


#57
Chlorobenzene
Concen: 9.757 ppbv
RT: 12.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VSTDCCC010
Acq: 7 Dec 2021 10:07

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

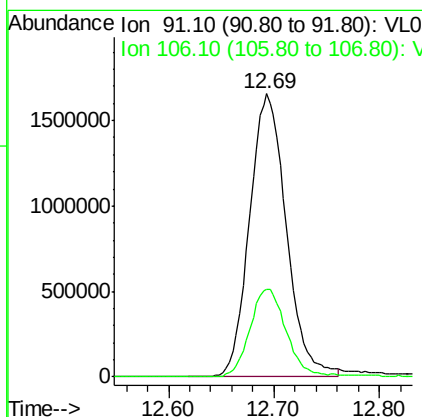
Manual Integrations
APPROVED

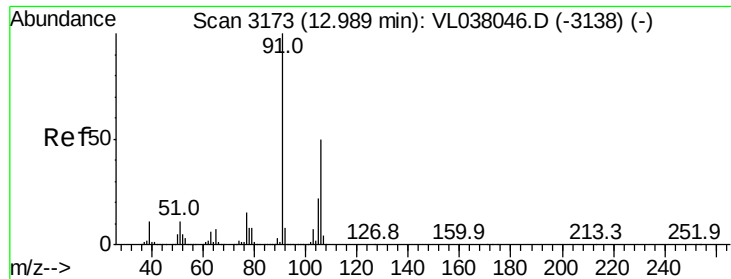
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#58
Ethyl Benzene
Concen: 9.908 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion: 91 Resp: 4022273
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.6



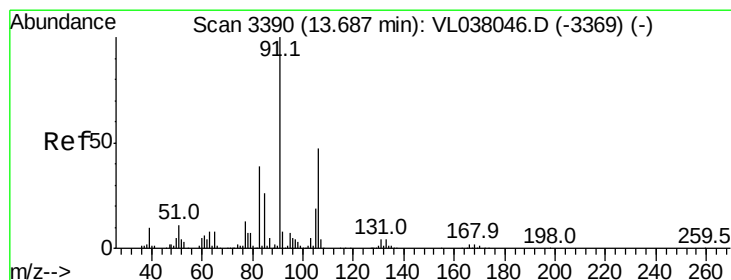
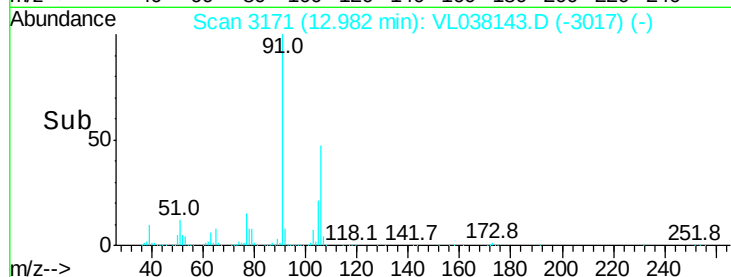
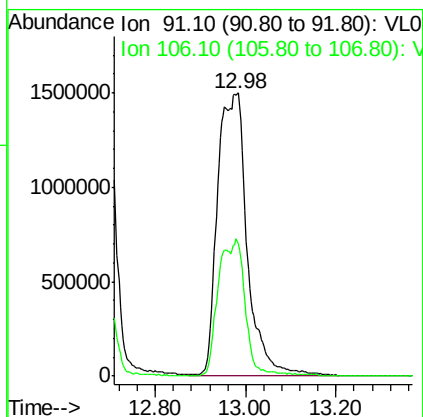
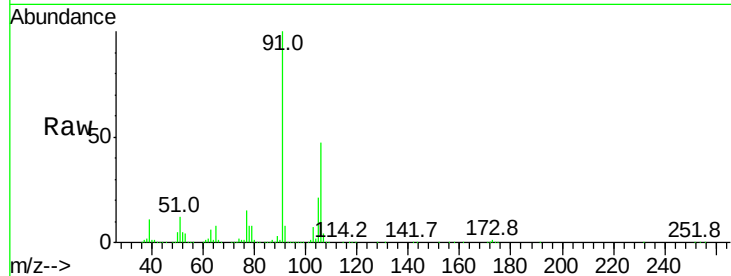


#59
m/p-Xylene
Concen: 20.056 ppbv m
RT: 12.98 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 10:07

Tot Ion:
Ion Ratio
91 100
106 43.

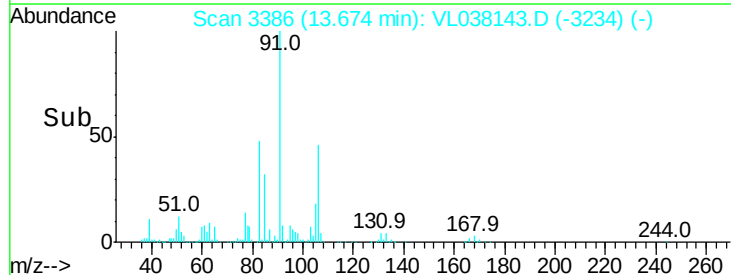
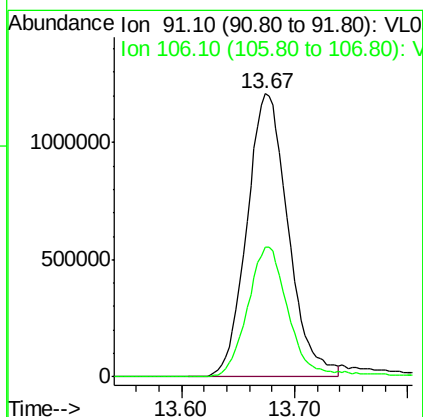
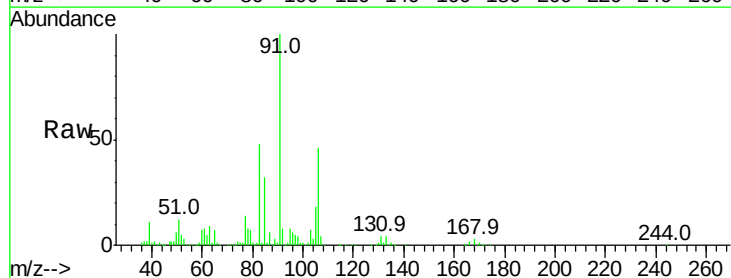
Manual Integrations
APPROVED

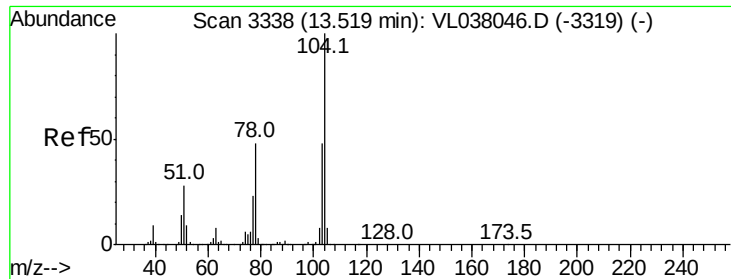
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#60
o-Xylene
Concen: 9.643 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion: 91 Resp: 3057214
Ion Ratio Lower Upper
91 100
106 46.6 24.2 72.6





#61

Stvrene

Concen: 9.834 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 10:07

Tot Ion:1

Ion Rati

104 100

78 55.

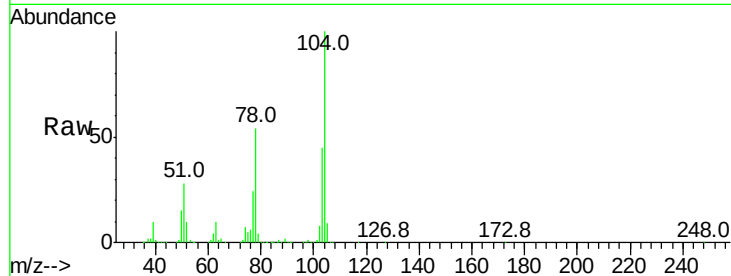
103 48.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

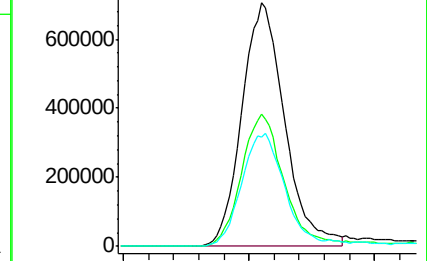
Supervised By :Semsettin Yesilyurt 12/08/2021



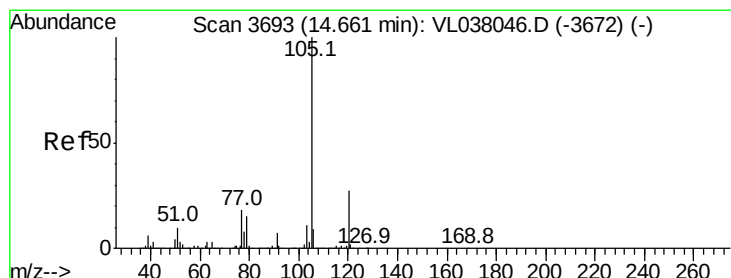
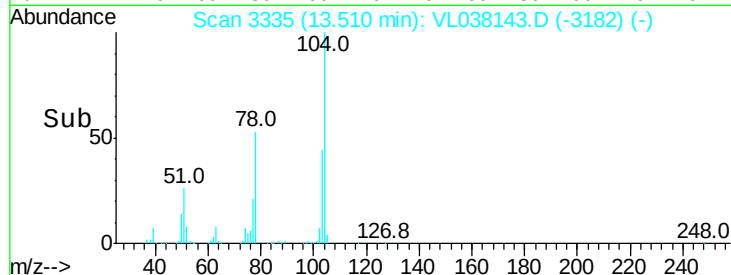
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



Time--> 13.40 13.50 13.60



#62

Isopropylbenzene

Concen: 9.284 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.01 min

Lab File: VL038143.D

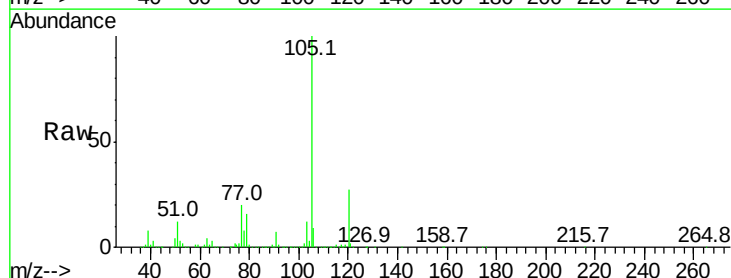
Acq: 7 Dec 2021 10:07

Tgt Ion:105 Resp: 4177959

Ion Ratio Lower Upper

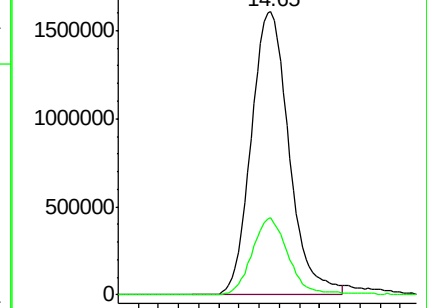
105 100

120 26.7 21.8 32.6

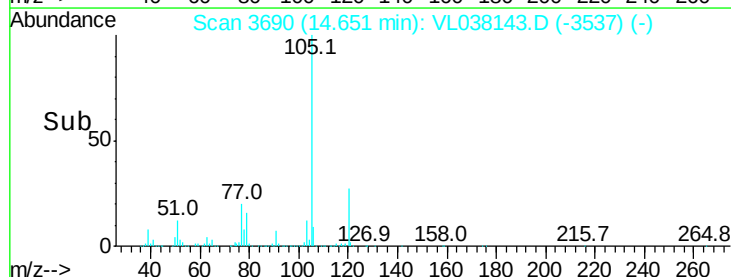


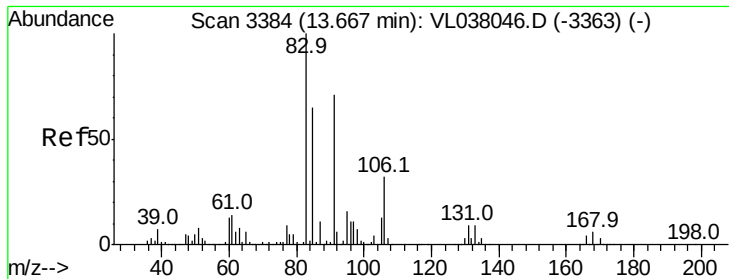
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time--> 14.60 14.70





#63

1,1,2,2-Tetrachloroethane

Concen: 9.302 ppbv

RT: 13.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

83 100

131 9.

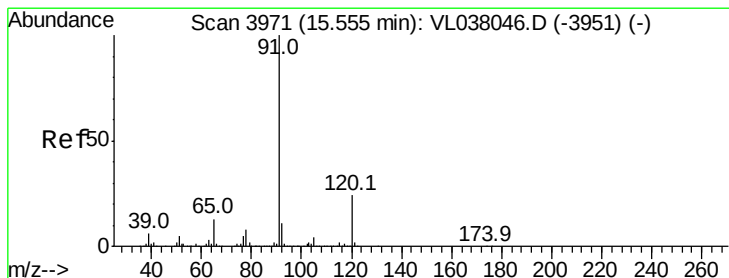
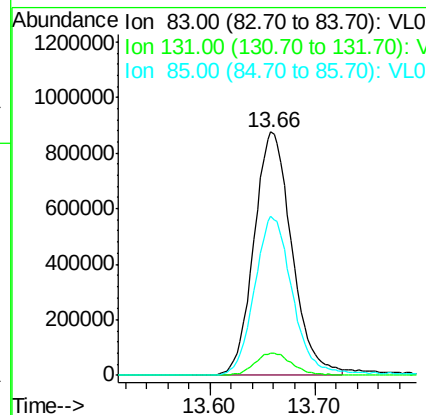
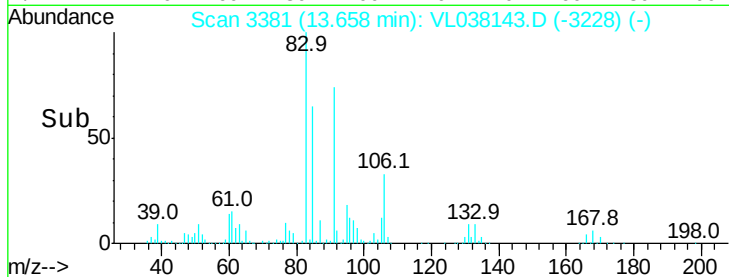
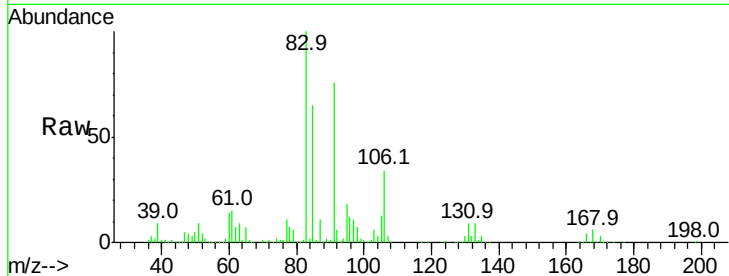
85 67.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#64

n-propylbenzene

Concen: 9.514 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. -0.01 min

Lab File: VL038143.D

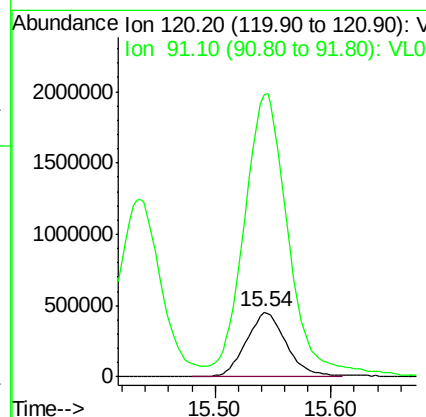
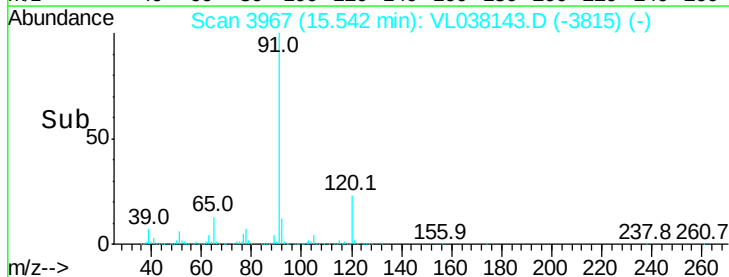
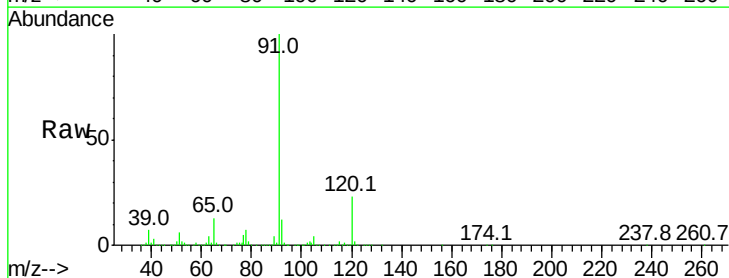
Acq: 7 Dec 2021 10:07

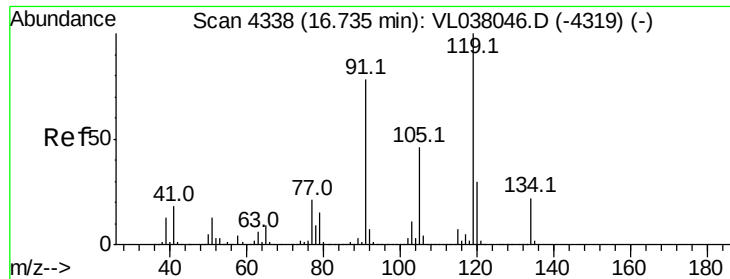
Tgt Ion:120 Resp: 1090748

Ion Ratio Lower Upper

120 100

91 484.5 371.7 557.5



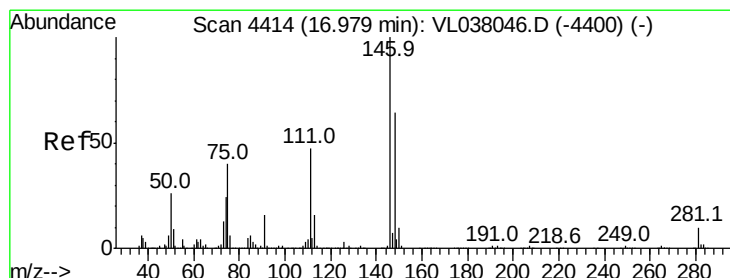
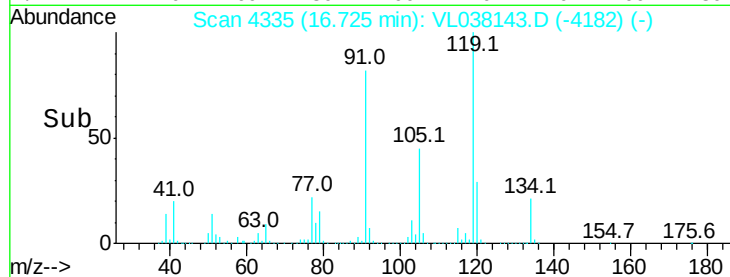
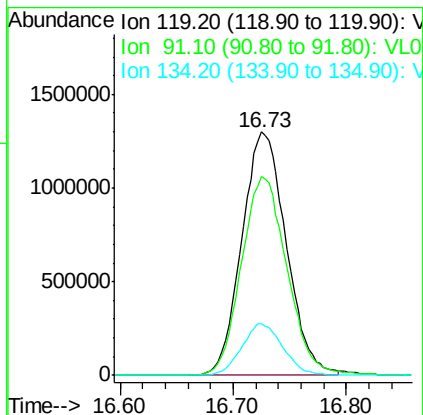
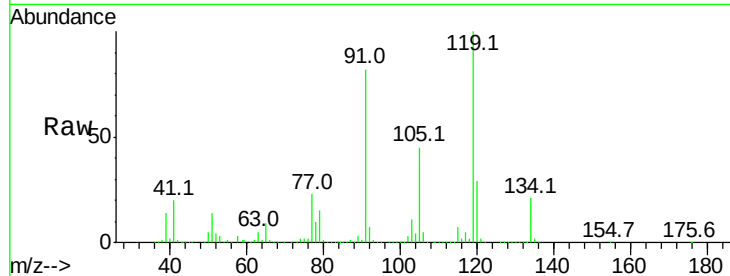


#65
tert-Butylbenzene
Concen: 8.937 ppbv
RT: 16.73 min
Delta R.T.: -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tot Ion: 1
Ion Ratio
119 100
91 83.1
134 19.9

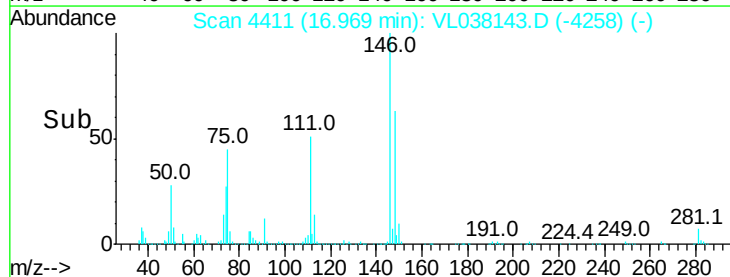
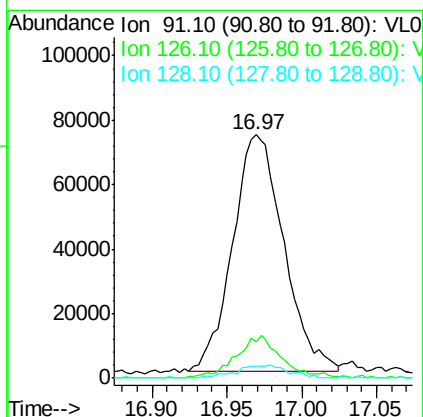
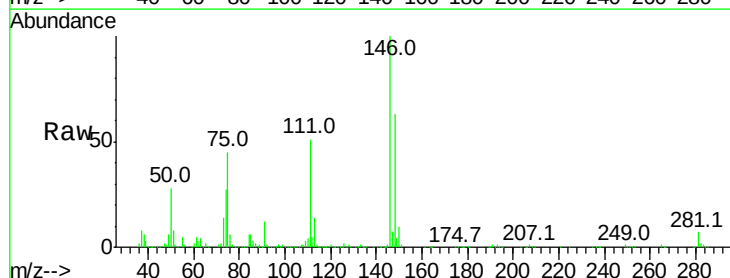
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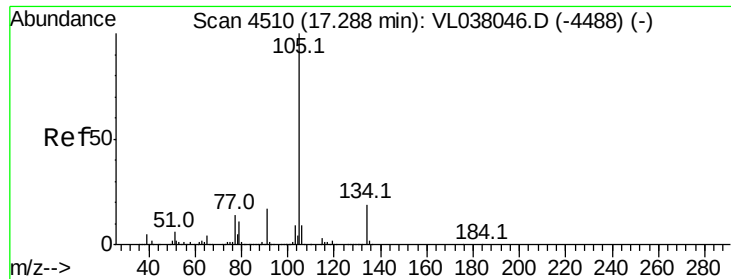
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#66
Benzyl Chloride
Concen: 8.747 ppbv
RT: 16.97 min Scan# 4411
Delta R.T.: -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion: 91 Resp: 175751
Ion Ratio Lower Upper
91 100
126 16.4 15.5 23.3
128 5.8 5.6 8.4





#67

sec-Butylbenzene

Concen: 9.044 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 10:07

Tot Ion:1

Ion Ratio

105 100

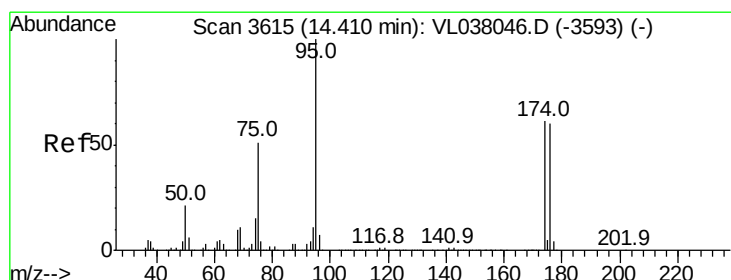
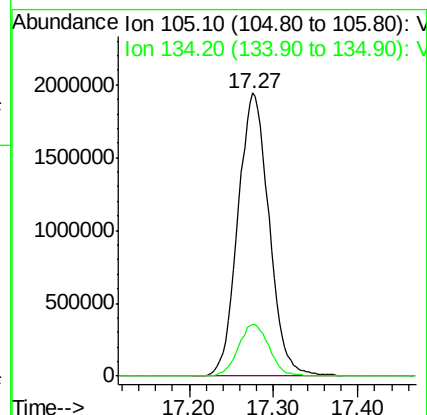
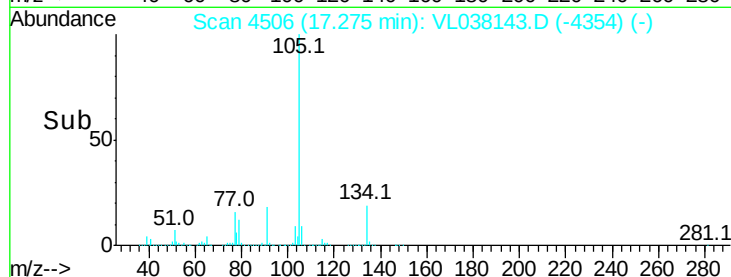
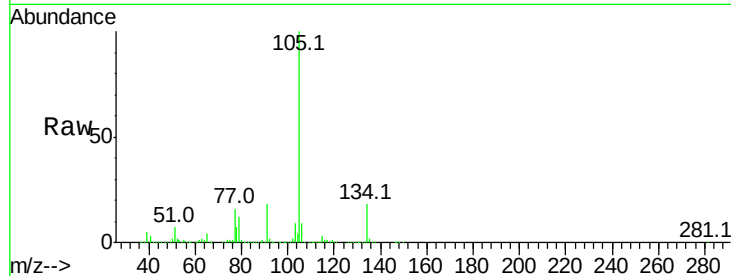
134 18.

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Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.931 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.01 min

Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

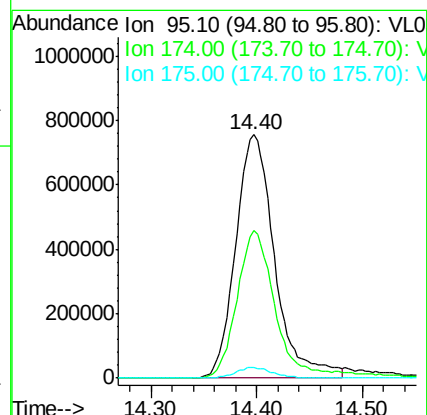
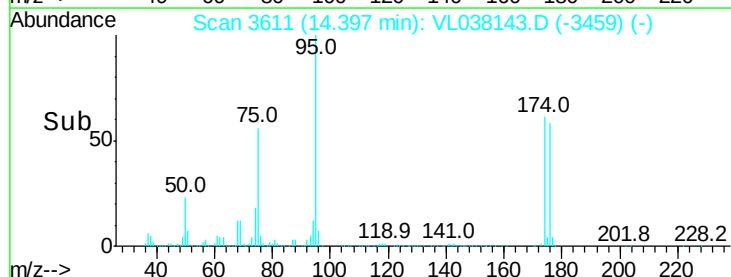
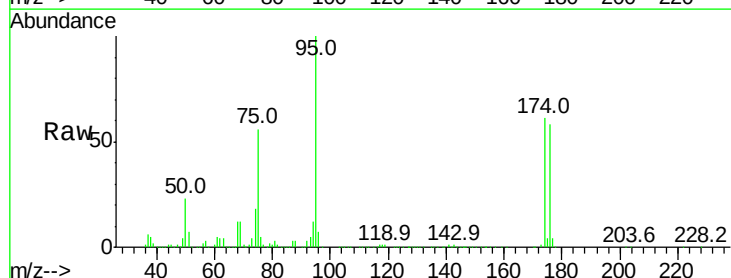
Tgt Ion: 95 Resp: 1936660

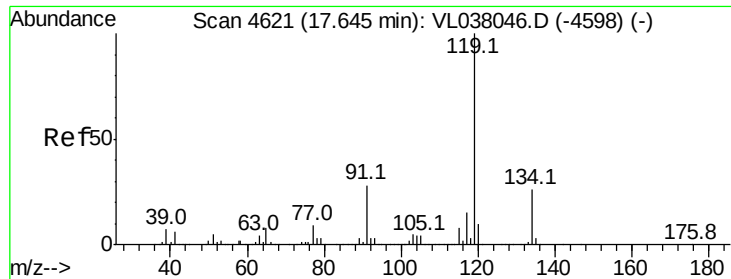
Ion Ratio Lower Upper

95 100

174 61.7 53.1 79.7

175 4.5 4.0 6.0



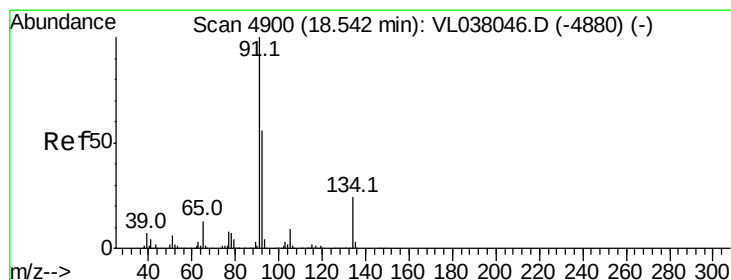
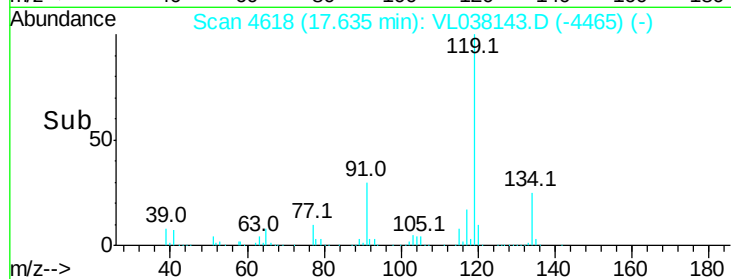
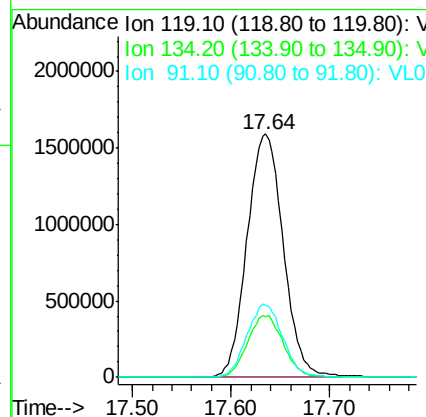
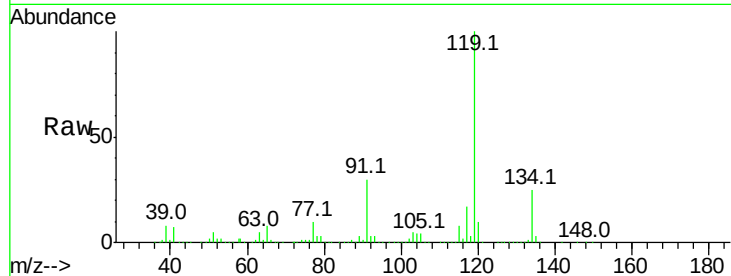


#69
 p-Isopropyltoluene
 Concen: 9.332 ppbv
 RT: 17.64 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 7 Dec 2021 10:07

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

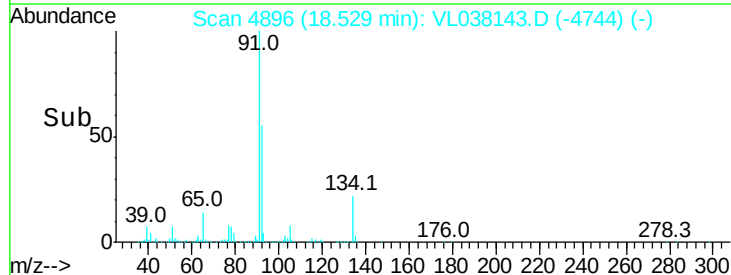
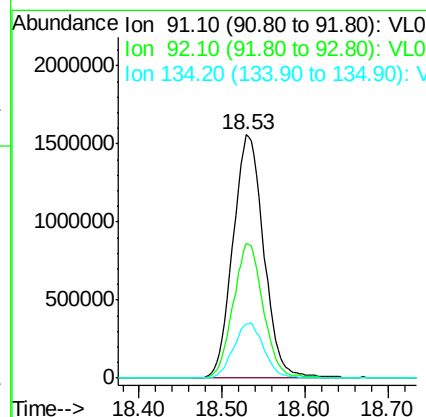
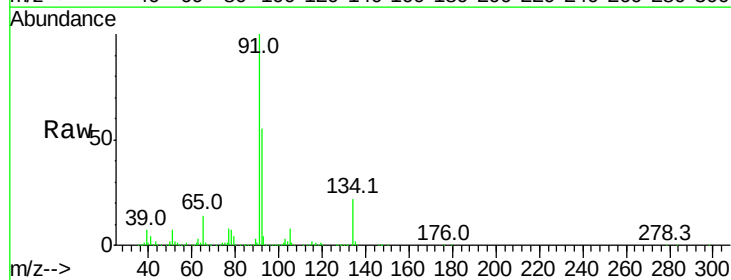
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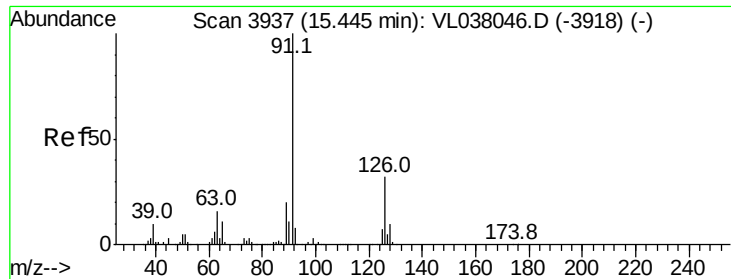
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#70
 n-Butylbenzene
 Concen: 9.746 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T.: -0.01 min
 Lab File: VL038143.D
 Acq: 7 Dec 2021 10:07

Tgt Ion: 91 Resp: 4027018
 Ion Ratio Lower Upper
 91 100
 92 54.3 44.1 66.1
 134 22.5 18.9 28.3





#71

2-Chlorotoluene

Concen: 9.550 ppbv

RT: 15.44

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 10:07

Tot Ion:

Ion Ratio

91 100

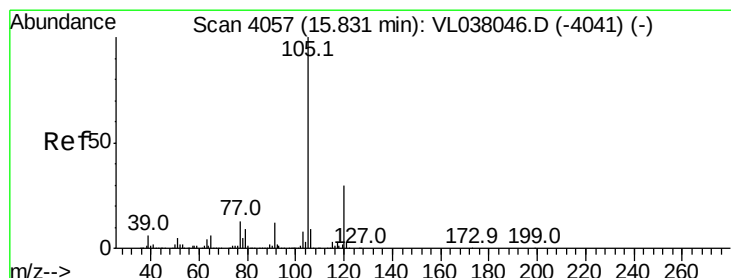
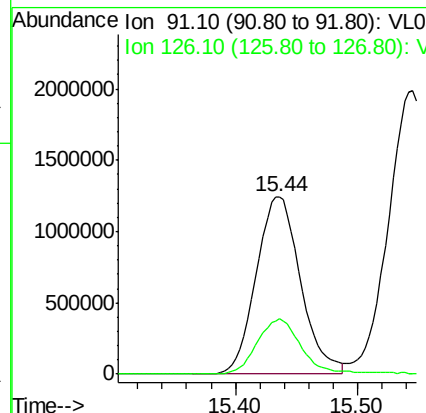
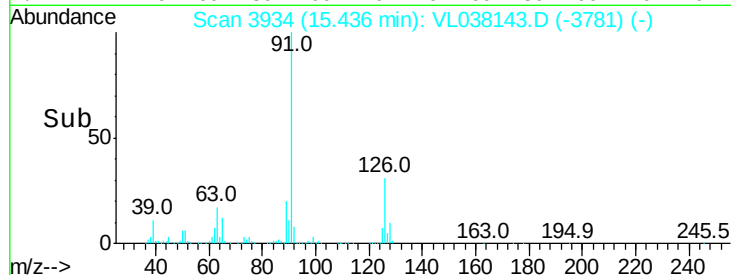
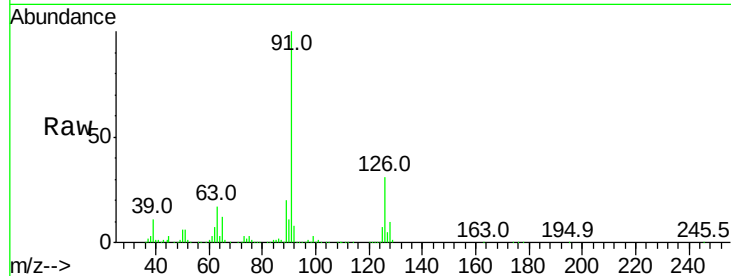
126 31.

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Reviewed By :Amit Patel 12/07/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#72

4-Ethyltoluene

Concen: 9.936 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.01 min

Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

Tgt Ion:105 Resp: 3652064

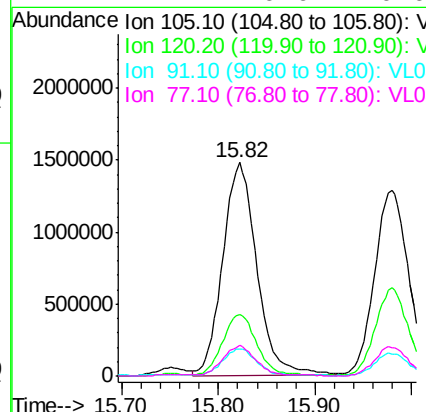
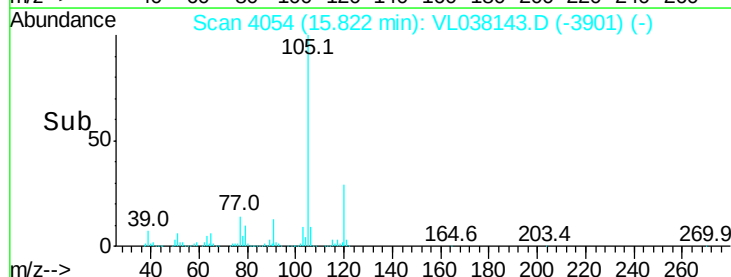
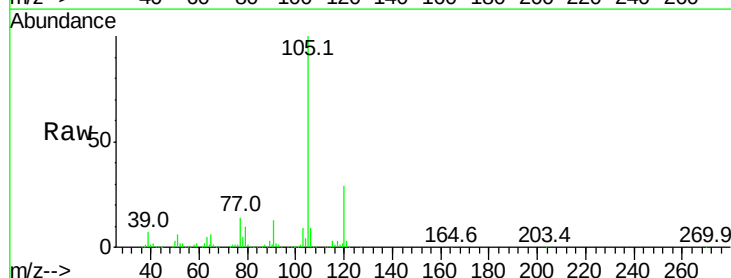
Ion Ratio Lower Upper

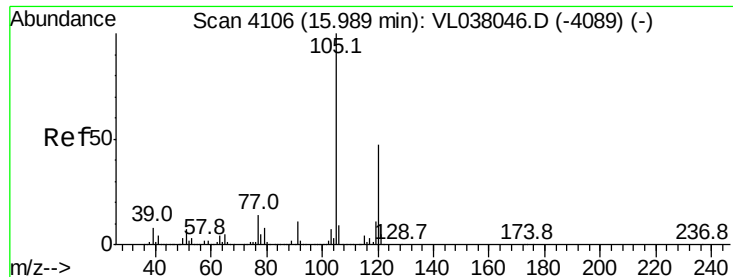
105 100

120 29.5 25.1 37.7

91 12.6 9.7 14.5

77 14.1 10.6 16.0



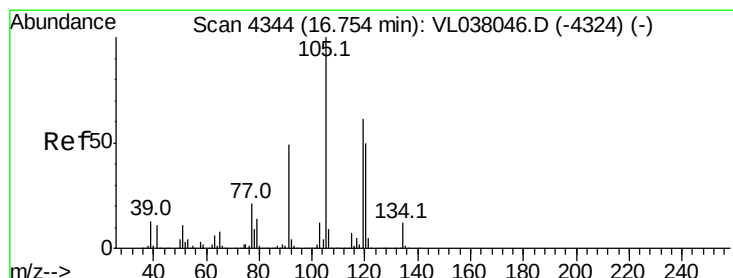
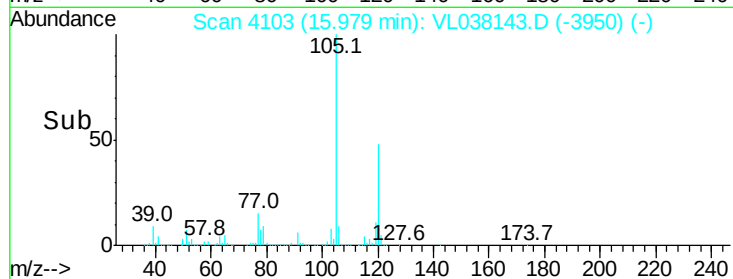
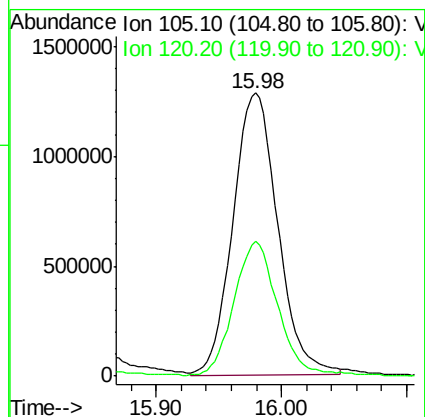
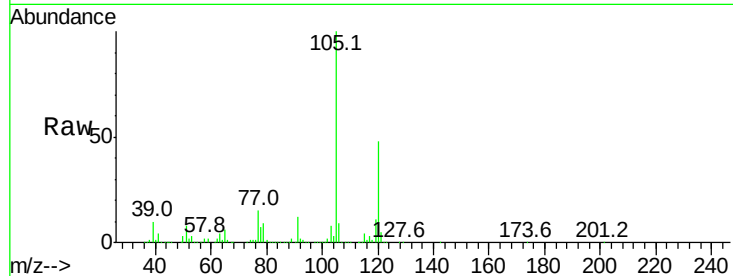


#73
 1,3,5-Trimethylbenzene
 Concen: 9.504 ppbv
 RT: 15.98
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Dec 2021 10:07

Tot Ion:1
 Ion Rati
 105 100
 120 47.

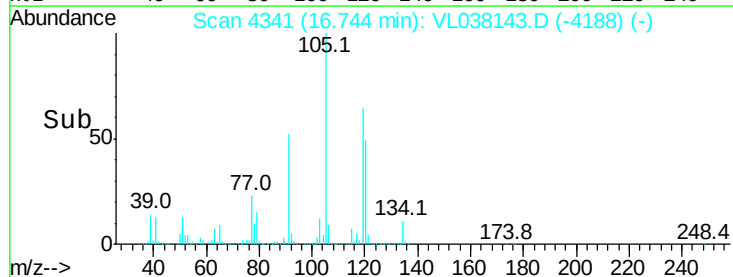
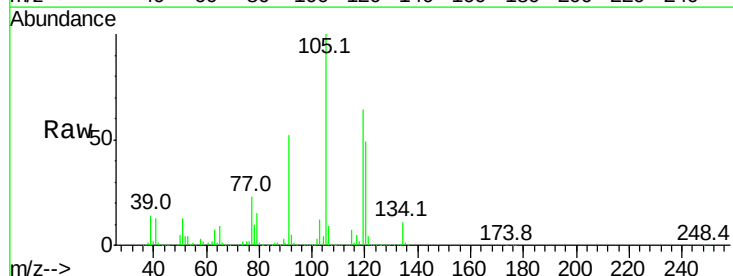
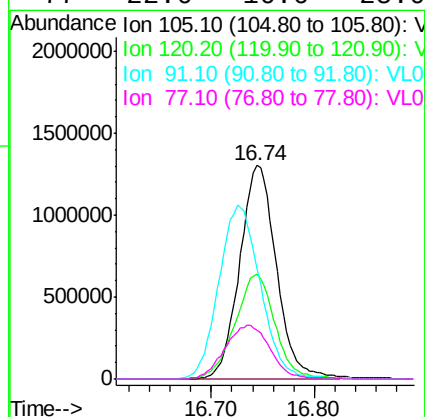
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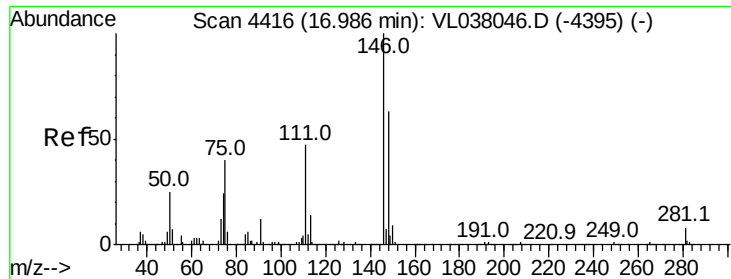
Reviewed By :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 9.314 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.01 min
 Lab File: VL038143.D
 Acq: 7 Dec 2021 10:07

Tgt Ion:105 Resp: 3222336
 Ion Ratio Lower Upper
 105 100
 120 49.0 40.1 60.1
 91 51.3 39.8 59.8
 77 22.6 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 9.481 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 10:07

Tot Ion:1

Ion Rati

146 100

111 48.

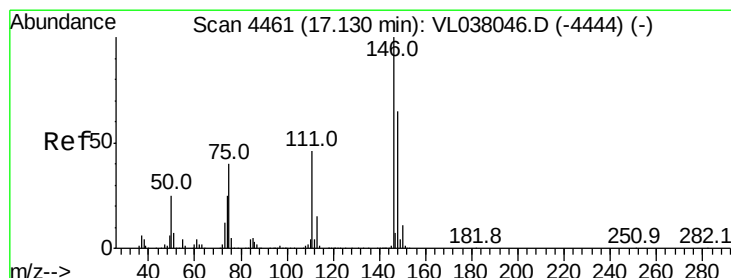
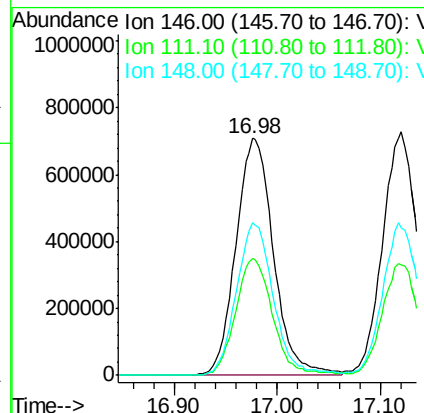
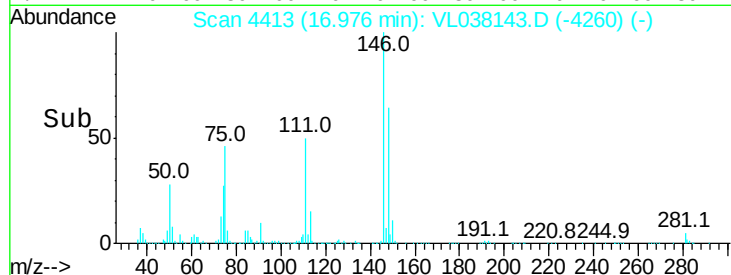
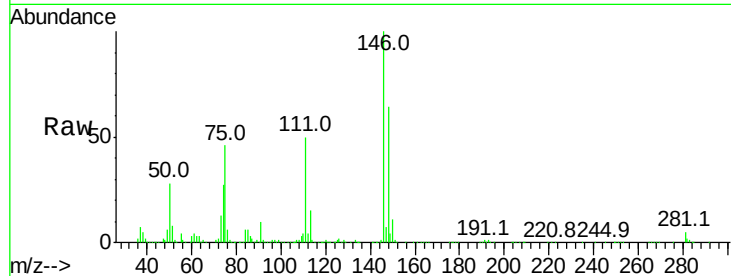
148 63.

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Supervised By :Semsettin Yesilyurt 12/08/2021



#76

1,4-Dichlorobenzene

Concen: 8.984 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.01 min

Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

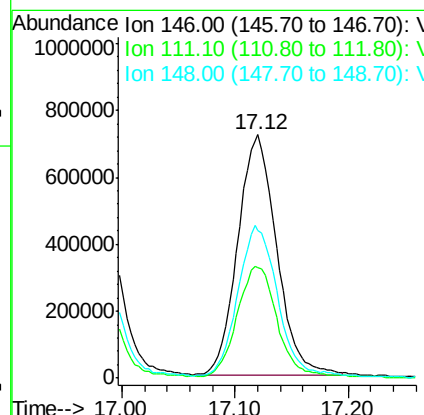
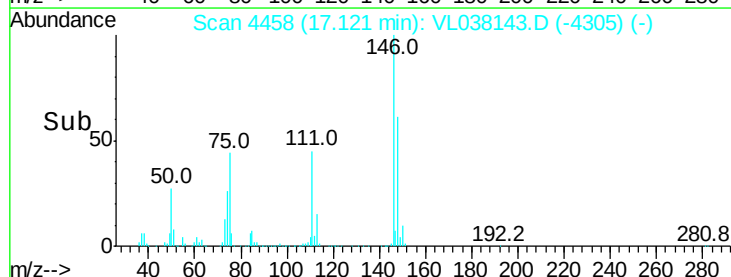
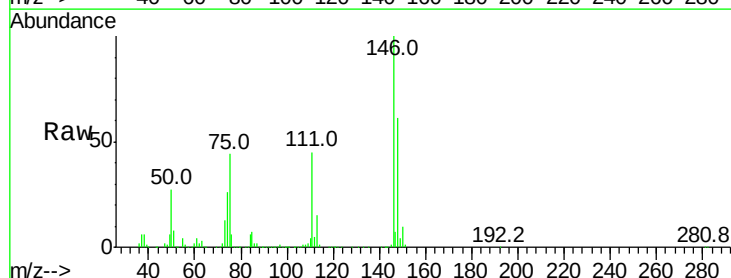
Tgt Ion:146 Resp: 1717850

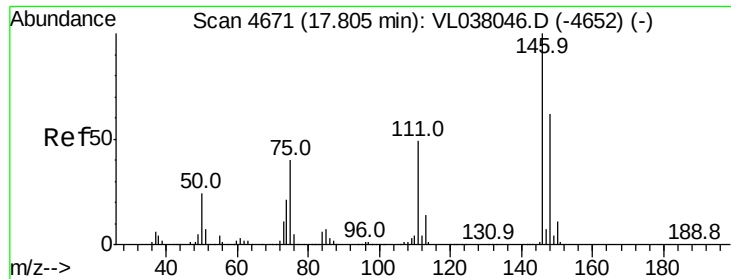
Ion Ratio Lower Upper

146 100

111 48.4 23.8 71.5

148 66.3 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 9.245 ppbv

RT: 17.80

Delta R.T. MSVOA_L

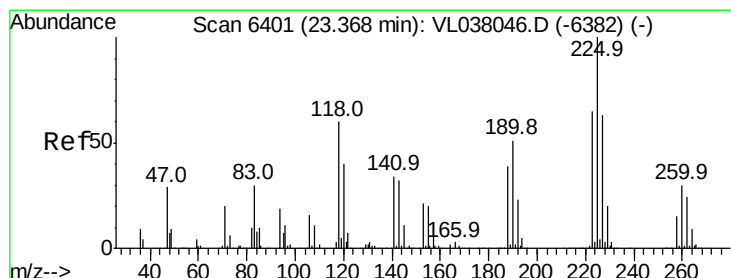
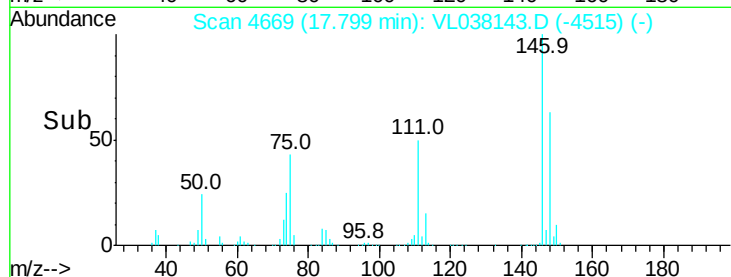
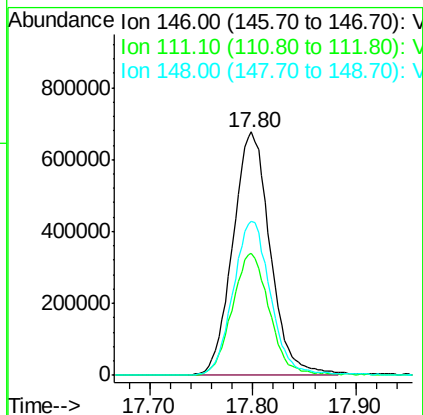
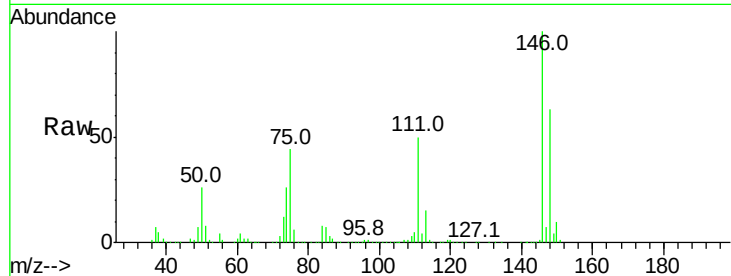
Lab File: ClientSampleId :

Acq: 7 Dec 2021 10:07 VSTDCCC010

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

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Supervised By :Semsettin Yesilyurt 12/08/2021



#78

Hexachloro-1,3-Butadiene

Concen: 8.116 ppbv

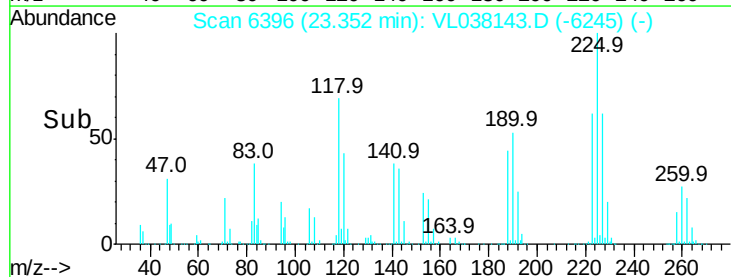
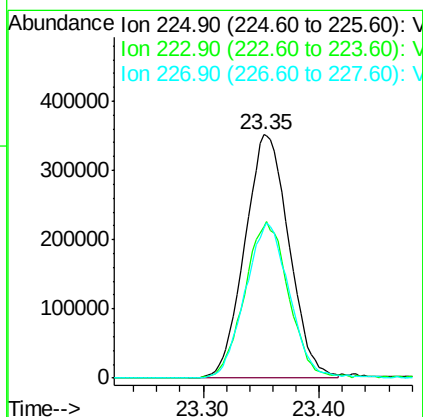
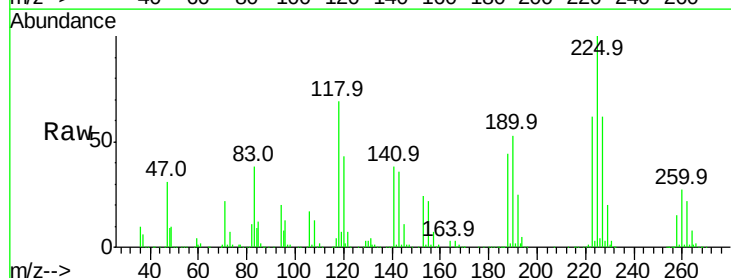
RT: 23.35 min Scan# 6396

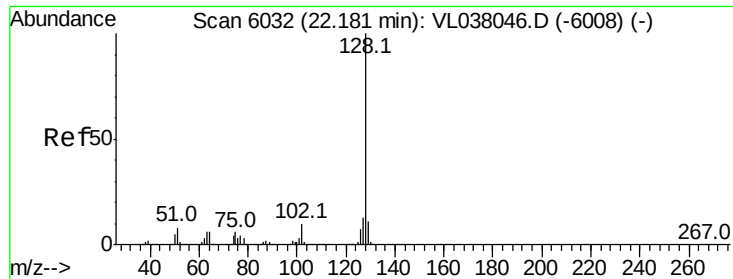
Delta R.T. -0.02 min

Lab File: VL038143.D

Acq: 7 Dec 2021 10:07

Tgt Ion:225 Resp: 932378
Ion Ratio Lower Upper
225 100
223 64.6 52.3 78.5
227 63.8 52.4 78.6



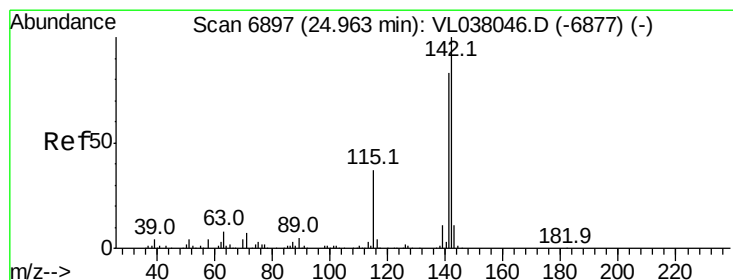
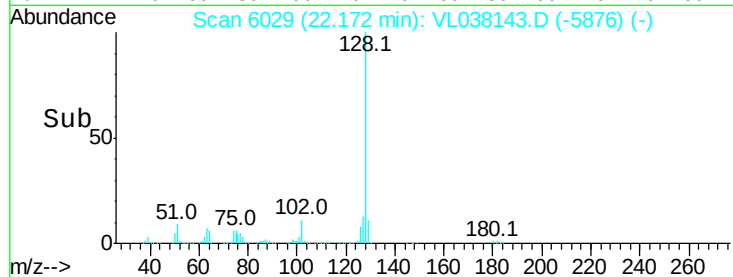
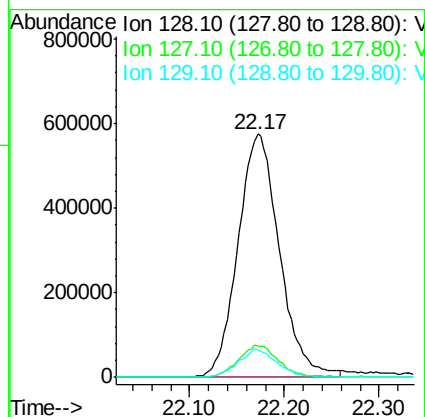
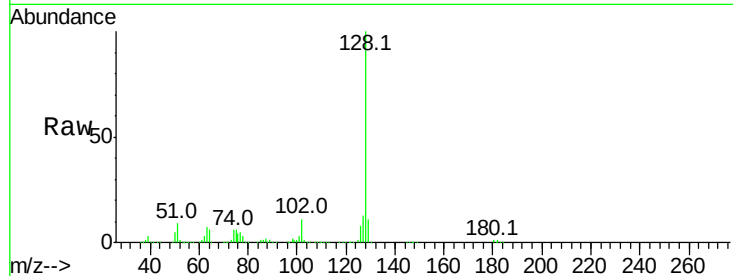


#79
Naphthalene
Concen: 9.598 ppbv
RT: 22.17
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 10:07

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

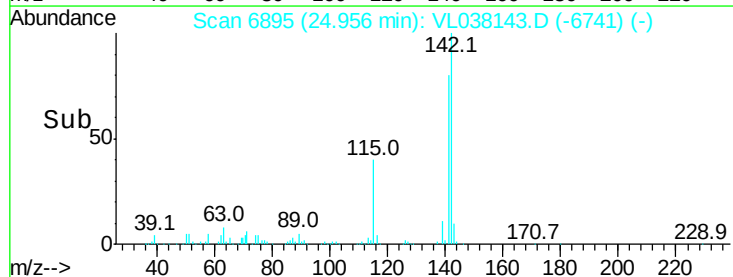
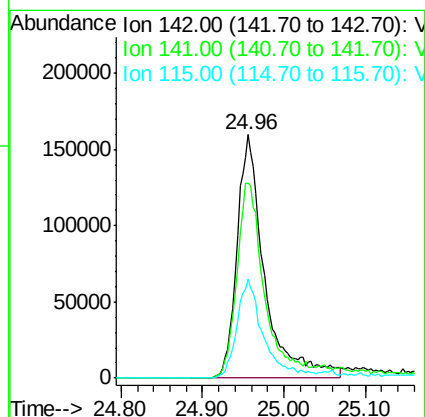
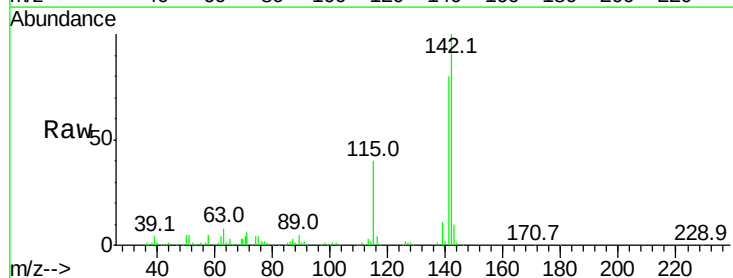
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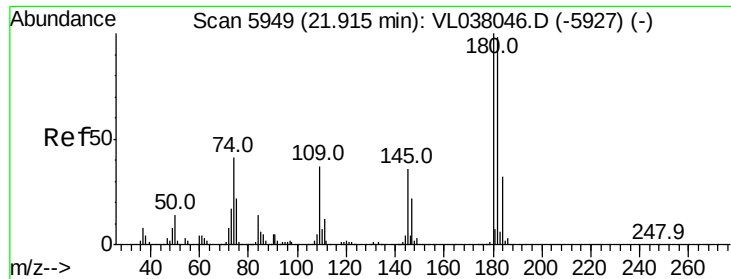
Reviewed By :Amit Patel 12/07/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#80
Naphthalene, 2-methyl-
Concen: 9.656 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.01 min
Lab File: VL038143.D
Acq: 7 Dec 2021 10:07

Tgt Ion:142 Resp: 377013
Ion Ratio Lower Upper
142 100
141 80.7 67.3 100.9
115 39.3 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.304 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Dec 2021 10:07

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

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

