

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038023.D
 Acq On : 16 Nov 2021 1:47
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/17/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 16 09:45:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	883777	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3372727	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3304058m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2310493	9.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1590528	11.975	ppbv 100
3) Chlorodifluoromethane	2.99	51	2007741	11.443	ppbv 100
4) Chloromethane	3.14	50	738400	11.174	ppbv 100
5) Vinyl Chloride	3.26	62	745034	11.852	ppbv 100
6) Bromomethane	3.48	94	380991	11.210	ppbv 100
7) Chloroethane	3.56	64	250876	10.990	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	1637927	10.867	ppbv 100
9) Propene	3.01	41	761977	11.920	ppbv 100
10) Heptane	8.12	43	1864082	12.646	ppbv 100
11) Trichlorofluoromethane	3.95	101	1547183	11.733	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1215499	11.805	ppbv 100
13) Ethanol	3.62	45	66713m	10.739	ppbv
14) Bromoethene	3.74	108	490863	11.090	ppbv 100
15) Acetone	3.85	43	845059	10.908	ppbv 99
16) 1,3-Butadiene	3.33	39	705257	11.597	ppbv 100
17) tert-Butyl alcohol	4.29	59	1311541	14.866	ppbv 100
18) 1,1-Dichloroethene	4.29	96	560101	11.758	ppbv 100
19) Isopropyl Alcohol	3.97	45	651532	12.792	ppbv 99
20) Methylene Chloride	4.35	84	462395	10.879	ppbv 100
21) Allyl Chloride	4.41	41	931719	12.715	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	598659	12.489	ppbv 100
23) Vinyl Acetate	5.07	43	1570944	12.972	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1206224	12.274	ppbv 100
25) Ethyl Acetate	5.67	43	2183365	9.949	ppbv 99
26) Hexane	5.69	57	1058855	10.129	ppbv 100
27) Carbon Disulfide	4.55	76	1504162	13.600	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1424098	14.424	ppbv 100
29) Chloroform	5.75	83	1740083	10.859	ppbv 100
30) Cyclohexane	7.13	84	1193031	12.512	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	927153	9.873	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	1976814	12.349	ppbv 100
34) 2-Butanone	5.24	43	960479	7.930	ppbv 100
35) Carbon Tetrachloride	7.02	117	1986354	9.613	ppbv 100
36) Benzene	6.89	78	2845756	10.218	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1378485	10.362	ppbv 100
38) Trichloroethene	7.83	130	1047323	9.184	ppbv 100
39) 1,2-Dichloropropane	7.61	63	1131951	10.669	ppbv 100
40) 1,4-Dioxane	7.83	88	256063	9.382	ppbv # 100
41) Tetrahydrofuran	6.05	42	725422	11.402	ppbv 100
42) Bromodichloromethane	7.79	83	2149232	10.624	ppbv 100
43) Methyl Methacrylate	8.01	69	1060537	11.471	ppbv 100

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Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICCC010

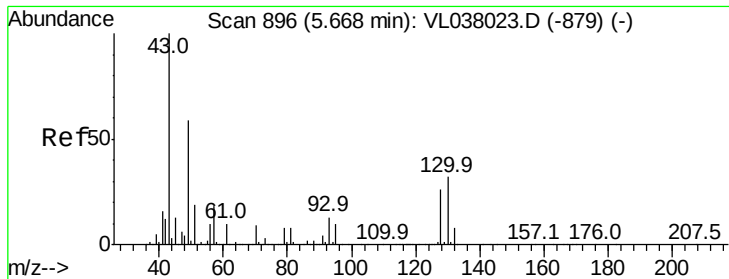
Manual Integrations
 APPROVED

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 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	7.87	57	4655852	9.874	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	962267	13.715	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1199794	12.705	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1140319	9.724	ppbv	100
48) Dibromochloromethane	10.30	129	1850830	11.016	ppbv	99
49) Bromoform	13.03	173	1444129	10.940	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1841070	11.020	ppbv	100
51) 2-Hexanone	10.14	43	863126m	11.965	ppbv	
52) Tetrachloroethene	11.22	164	972655	9.314	ppbv	100
53) Toluene	9.80	91	3271573	10.943	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1621667	10.655	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1218006	9.161	ppbv	98
57) Chlorobenzene	12.14	112	2293681	8.781	ppbv	100
58) Ethyl Benzene	12.70	91	4200831	10.350	ppbv	100
59) m/p-Xylene	12.99	91	6749718m	18.944	ppbv	
60) o-Xylene	13.69	91	3126176	9.323	ppbv	99
61) Styrene	13.52	104	1932611	12.234	ppbv	100
62) Isopropylbenzene	14.66	105	4518172	9.427	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2183339	7.567	ppbv	100
64) n-propylbenzene	15.55	120	1177653	9.661	ppbv	100
65) tert-Butylbenzene	16.74	119	3774303	8.973	ppbv	100
66) Benzyl Chloride	16.98	91	302482	13.219	ppbv	100
67) sec-Butylbenzene	17.28	105	5242918	9.045	ppbv	100
69) p-Isopropyltoluene	17.64	119	4281417	9.226	ppbv	100
70) n-Butylbenzene	18.54	91	4084746	9.587	ppbv	100
71) 2-Chlorotoluene	15.45	91	3258095	9.743	ppbv	100
72) 4-Ethyltoluene	15.83	105	3883612	10.004	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3403620	9.439	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3360404	8.943	ppbv	100
75) 1,3-Dichlorobenzene	16.99	146	1984797	8.517	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	1953590	8.641	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	1830180	8.371	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1040286	5.761	ppbv	100
79) Naphthalene	22.18	128	2046496	9.886	ppbv	100
80) Naphthalene,2-methyl-	24.96	142	390105m	10.947	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	1099613m	8.168	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 1:47 VSTDICCC010

Tot Ion:

Ion Ratio

49 100

128 46.

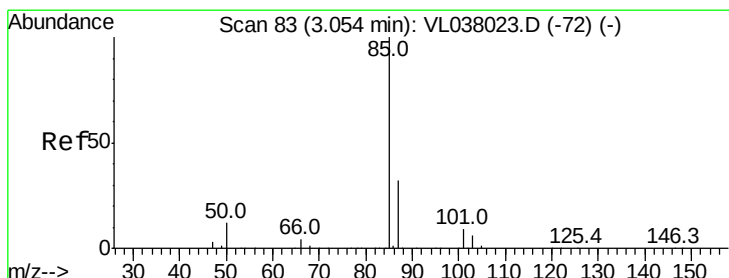
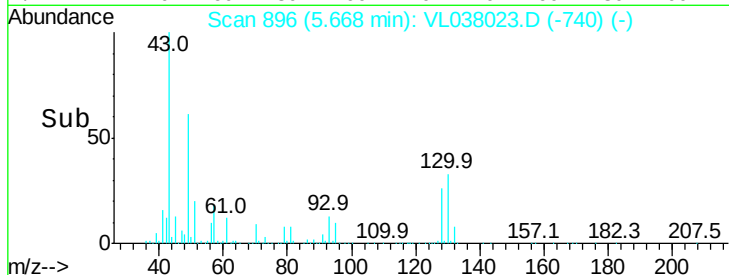
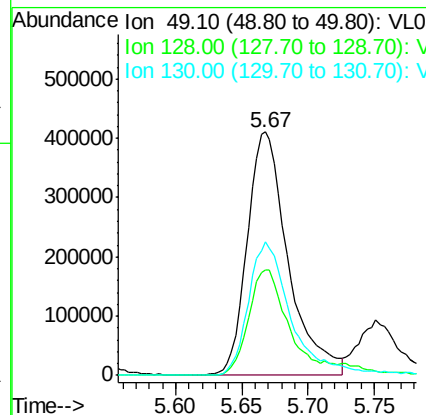
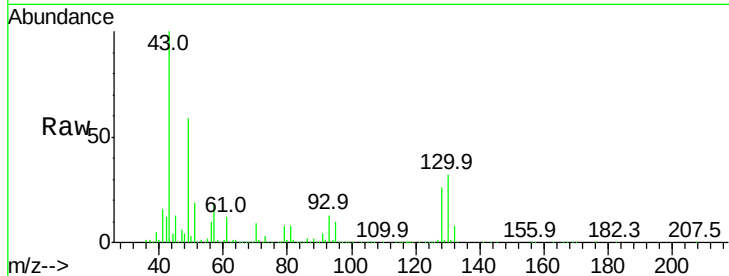
130 58.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#2

Dichlorodifluoromethane

Concen: 11.975 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038023.D

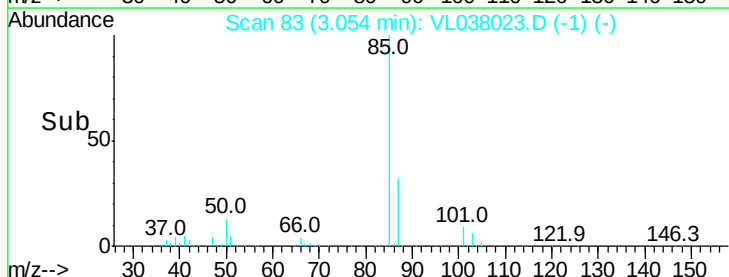
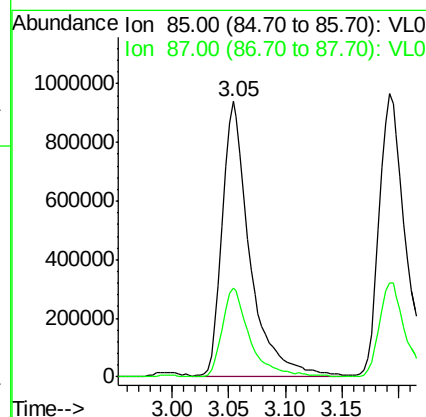
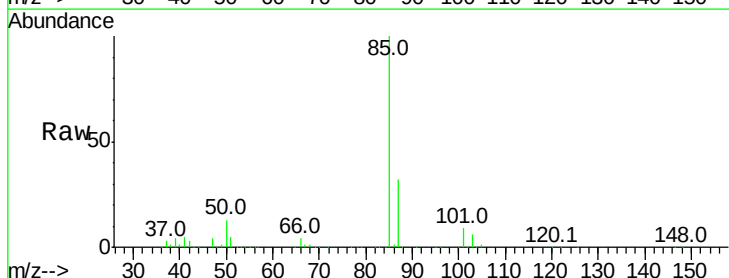
Acq: 16 Nov 2021 1:47

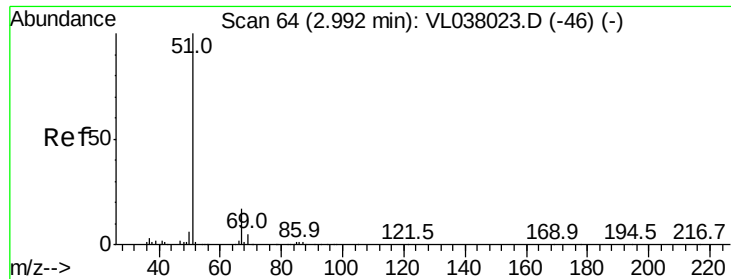
Tgt Ion: 85 Resp: 1590528

Ion Ratio Lower Upper

85 100

87 32.4 25.9 38.9





#3

Chlorodifluoromethane

Concen: 11.443 ppbv

RT: 2.99 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47 VSTDICCC010

Tot Ion:

Ion Ratio

51 100

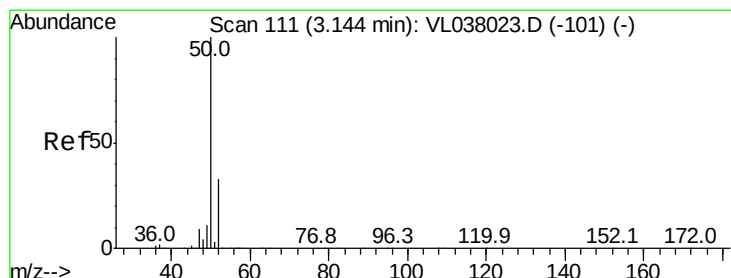
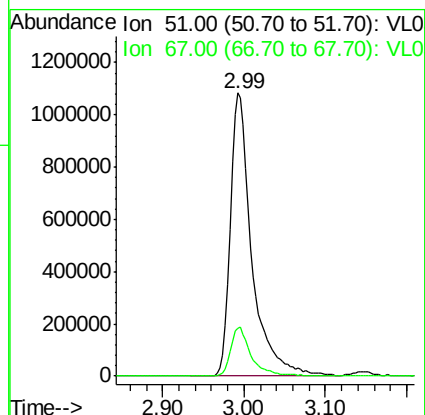
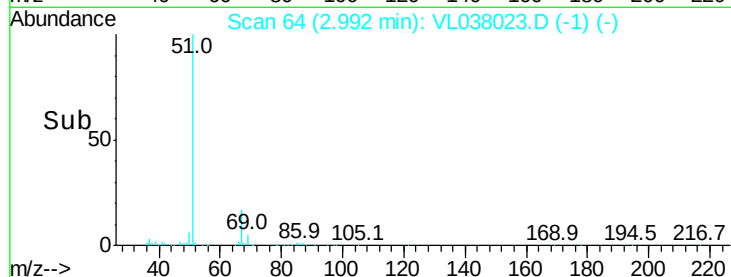
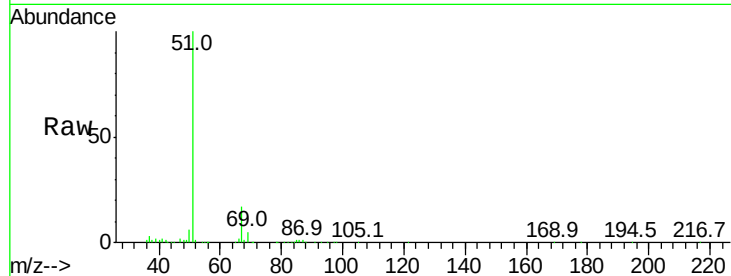
67 16.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#4

Chloromethane

Concen: 11.174 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038023.D

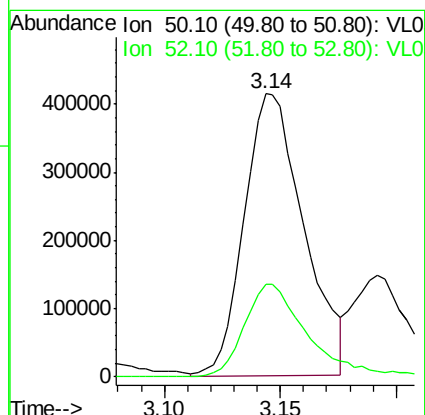
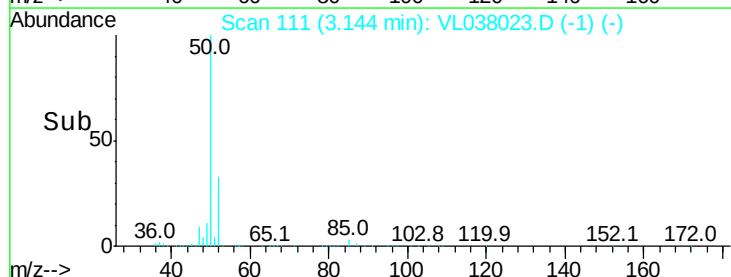
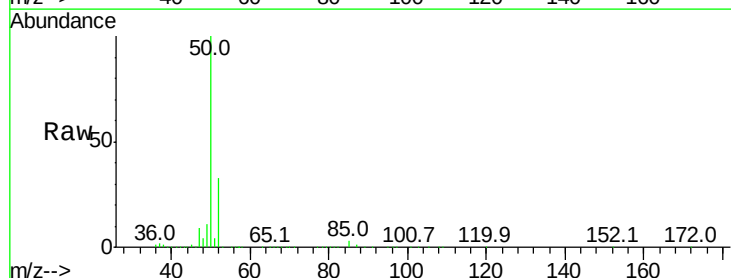
Acq: 16 Nov 2021 1:47

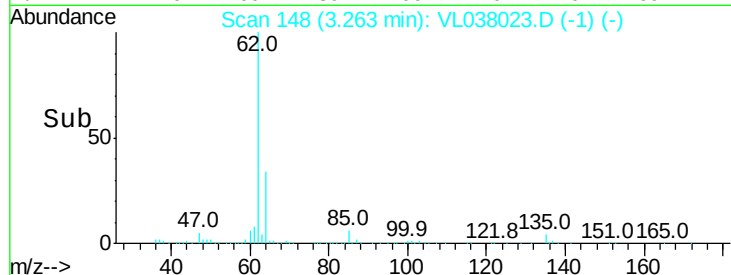
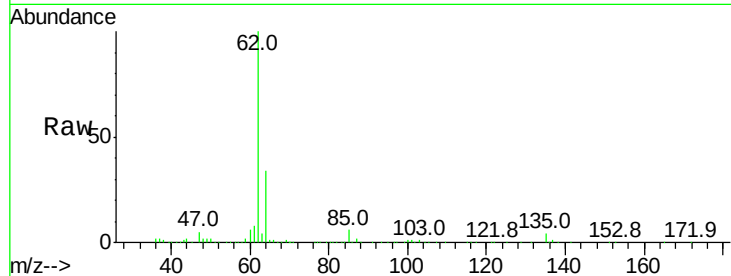
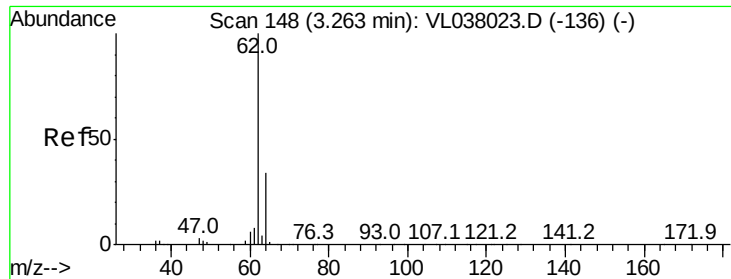
Tgt Ion: 50 Resp: 738400

Ion Ratio Lower Upper

50 100

52 33.0 26.4 39.6





#5

Vinyl Chloride

Concen: 11.852 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Nov 2021 1:47 VSTDICCC010

Tot Ion:

Ion Ratio

62 100

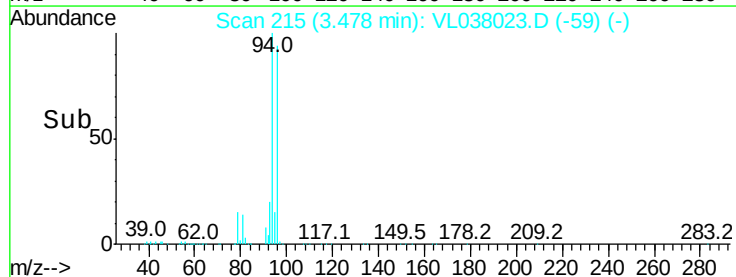
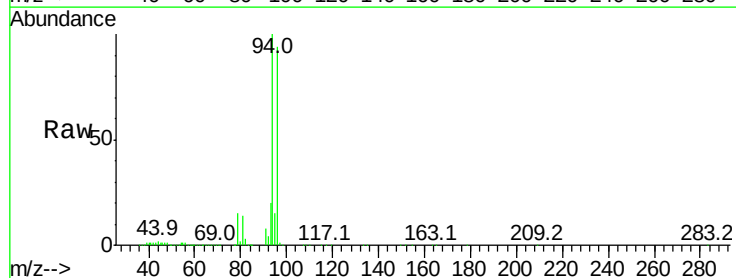
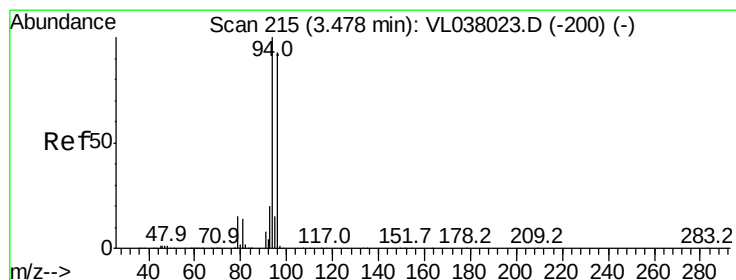
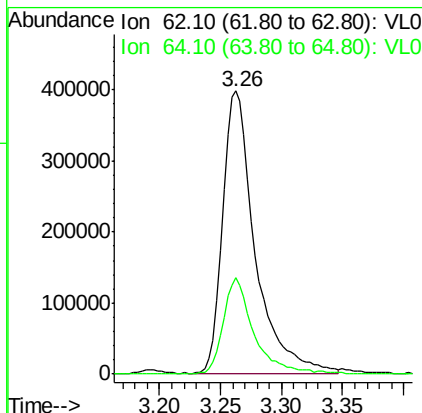
64 34.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#6

Bromomethane

Concen: 11.210 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL038023.D

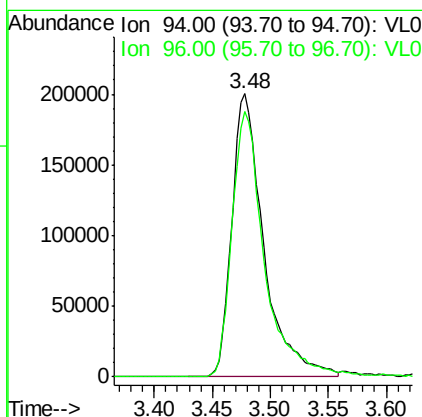
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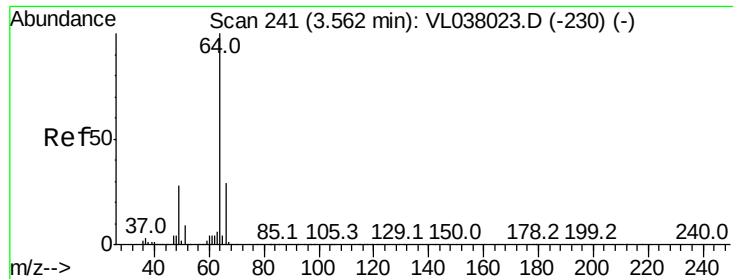
Tgt Ion: 94 Resp: 380991

Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2





#7

Chloroethane

Concen: 10.990 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 VSTDICCC010

Tot Ion:

Ion Ratio

64 100

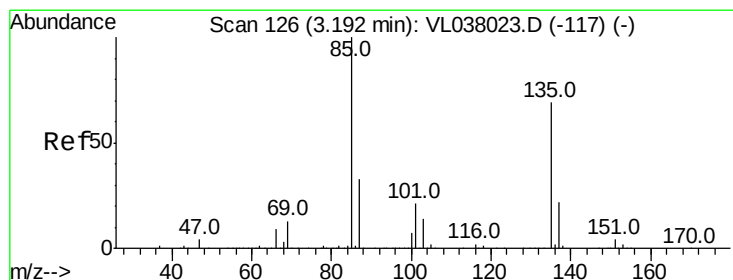
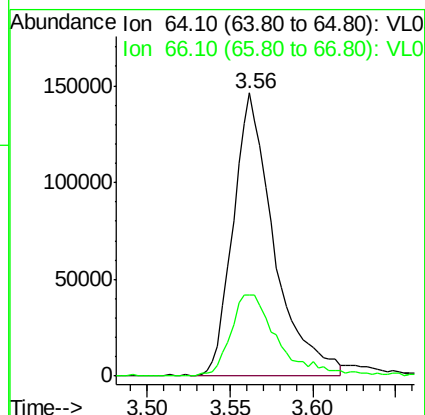
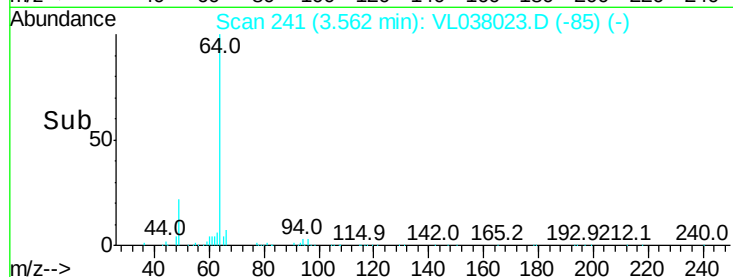
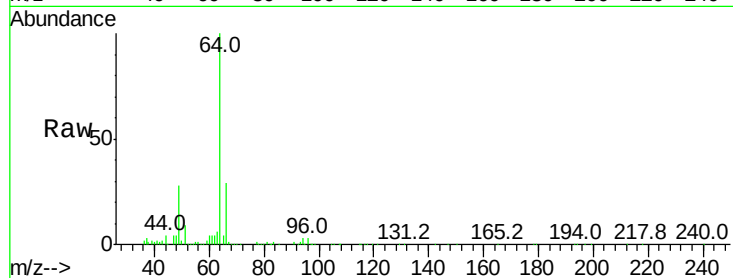
66 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#8

Dichlorotetrafluoroethane

Concen: 10.867 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038023.D

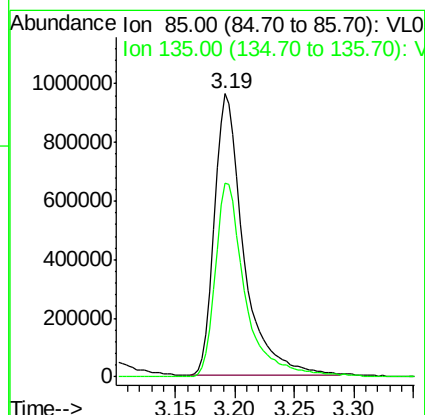
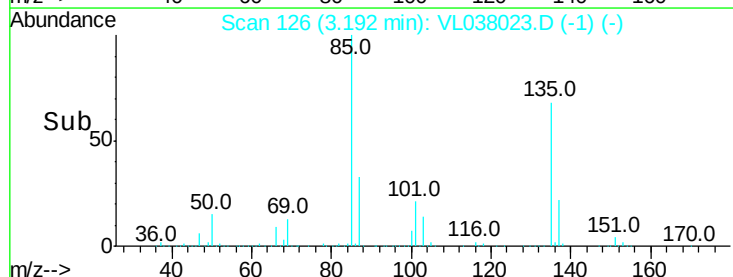
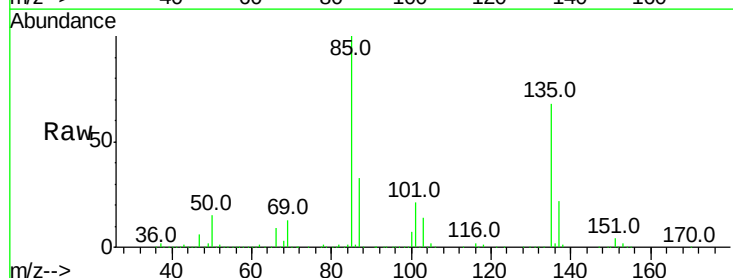
Acq: 16 Nov 2021 1:47

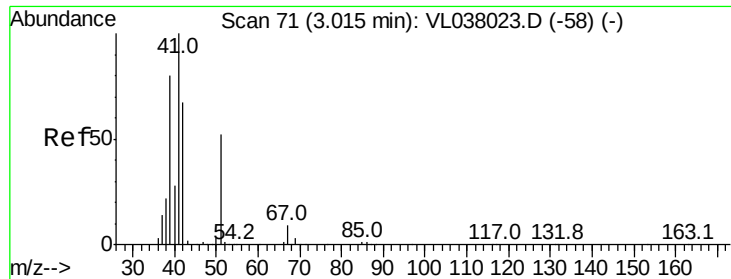
Tgt Ion: 85 Resp: 1637927

Ion Ratio Lower Upper

85 100

135 71.3 57.0 85.6



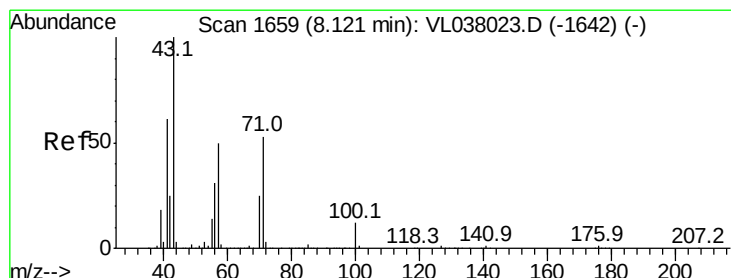
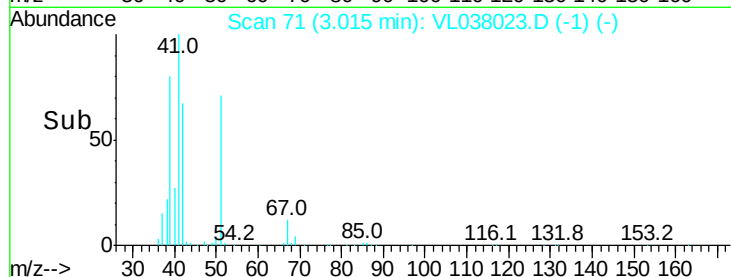
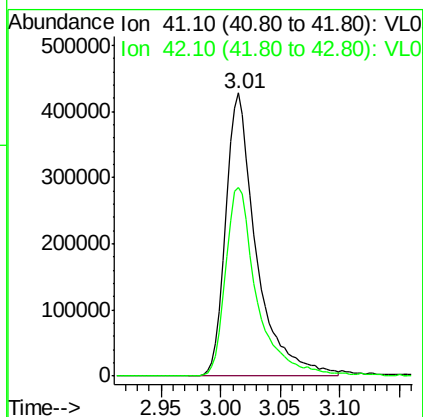
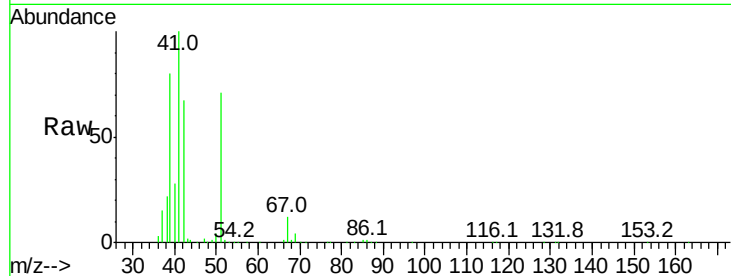


#9
 Propene
 Concen: 11.920 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 1:47

Tot Ion:
 Ion Ratio
 41 100
 42 69.

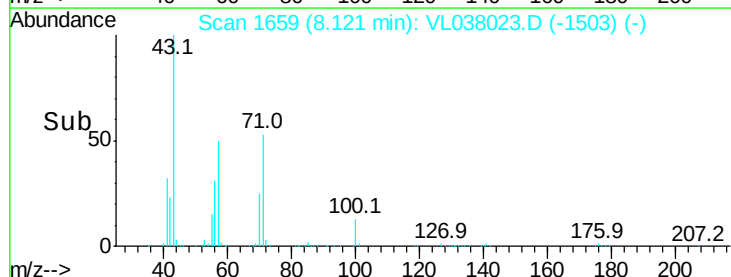
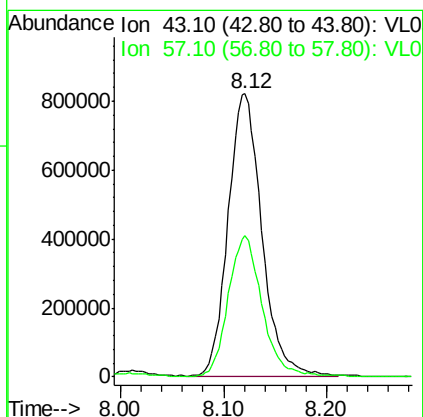
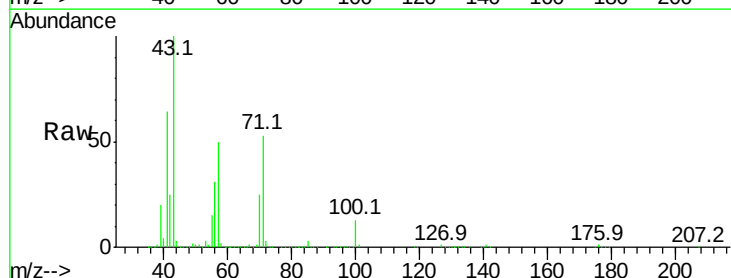
Manual Integrations
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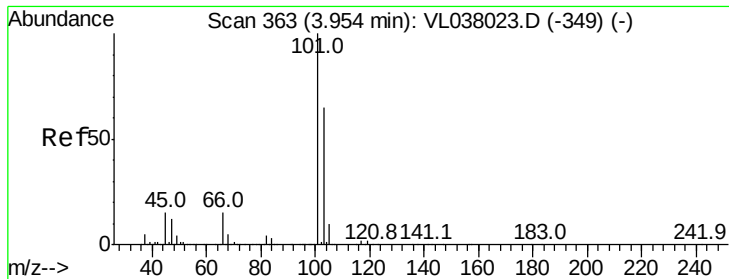
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#10
 Heptane
 Concen: 12.646 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion: 43 Resp: 1864082
 Ion Ratio Lower Upper
 43 100
 57 50.2 39.9 59.9



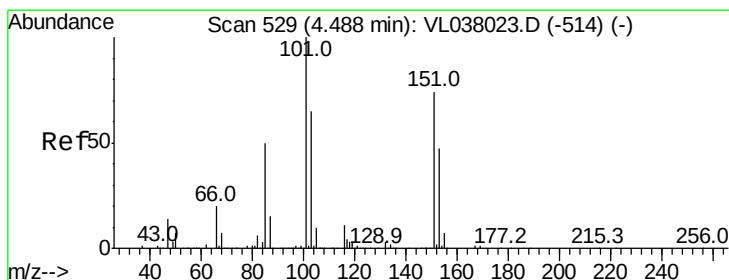
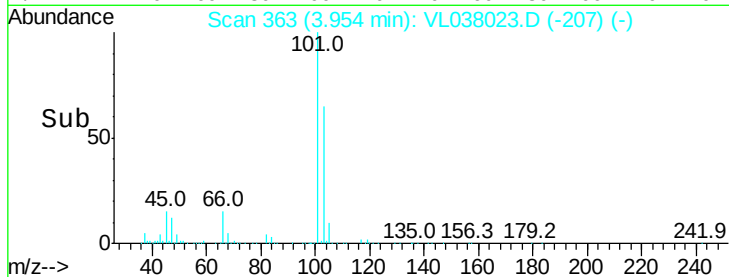
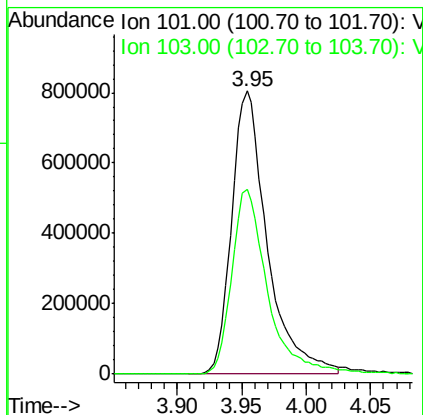
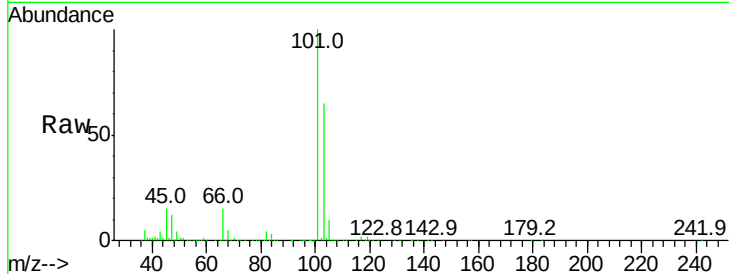


#11
 Trichlorofluoromethane
 Concen: 11.733 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 16 Nov 2021 1:47

Tot Ion:1
 Ion Rati
 101 100
 103 65.

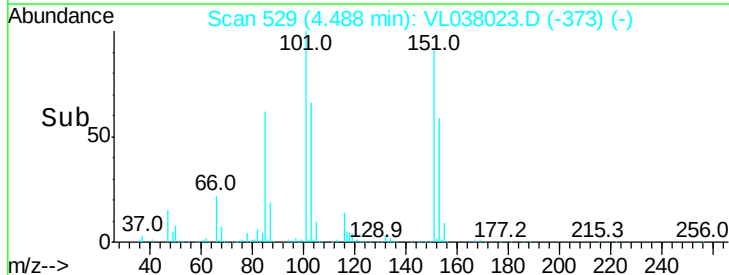
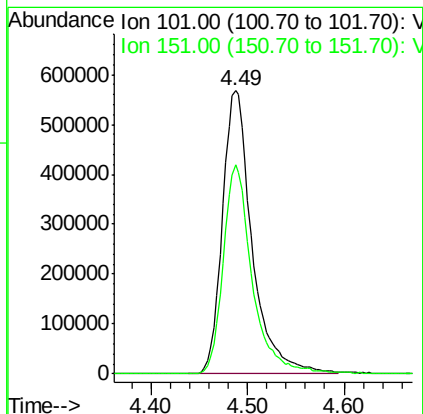
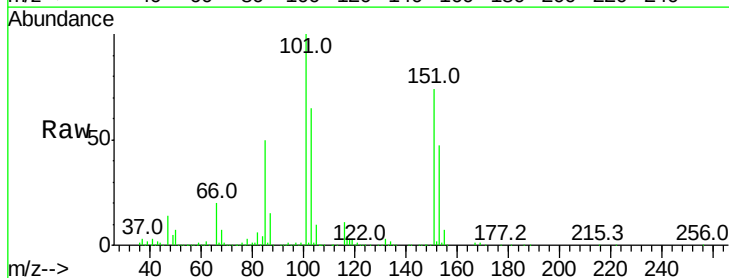
Manual Integrations
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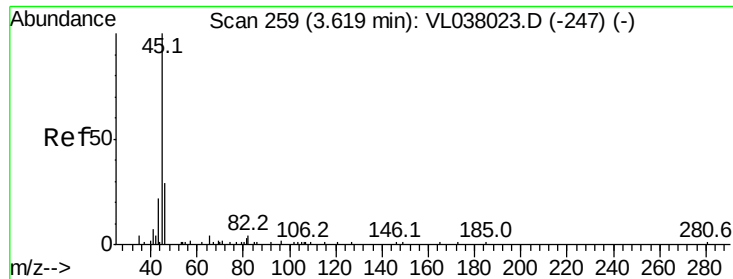
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.805 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion:101 Resp: 1215499
 Ion Ratio Lower Upper
 101 100
 151 72.3 57.9 86.9



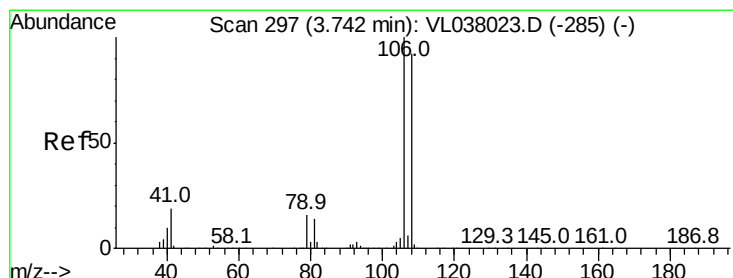
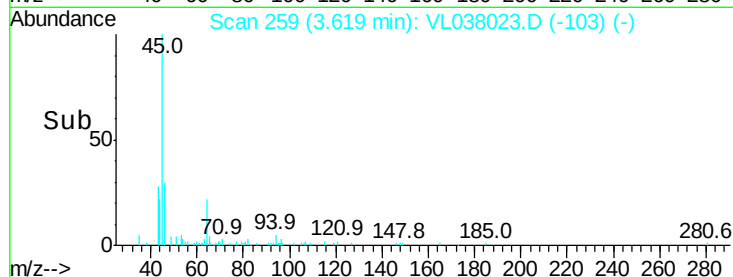
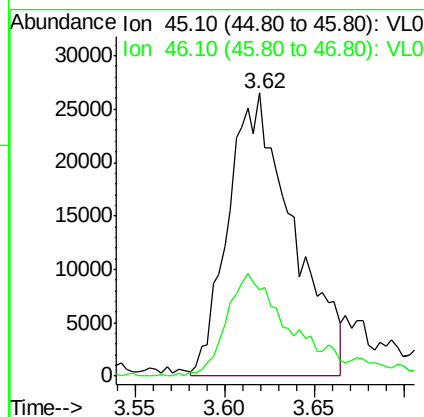
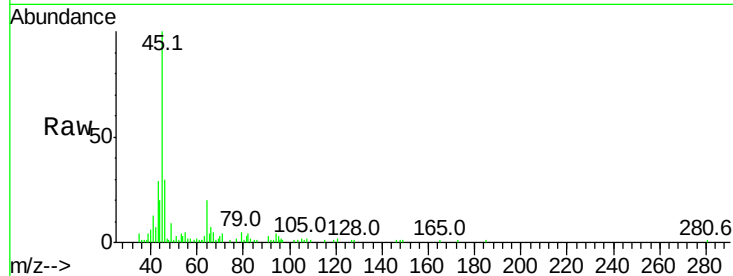


#13
Ethanol
Concen: 10.739 ppbv m
RT: 3.62
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 1:47

Tot Ion:
Ion Ratio
45 100
46 0.

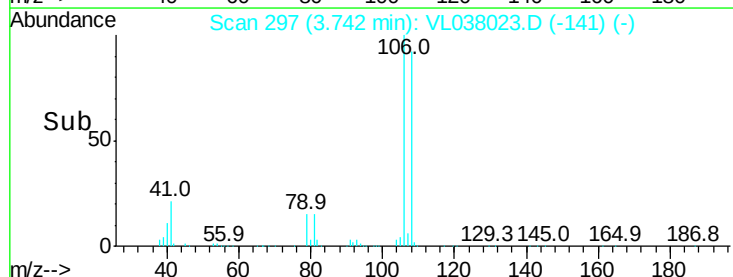
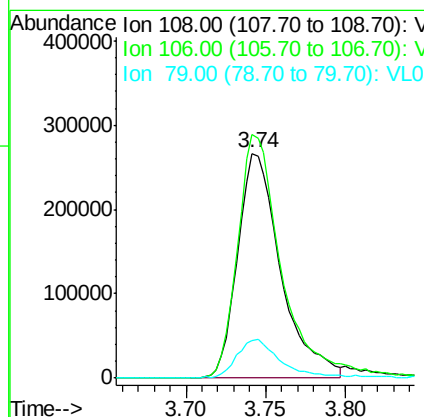
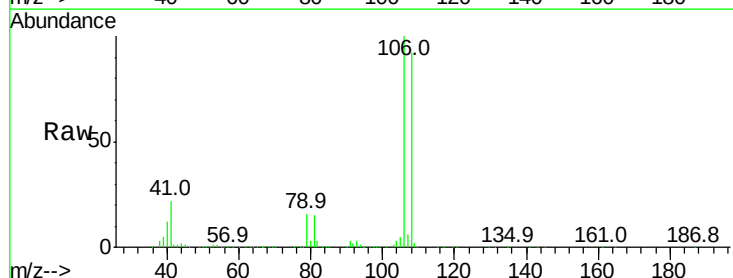
Manual Integrations
APPROVED

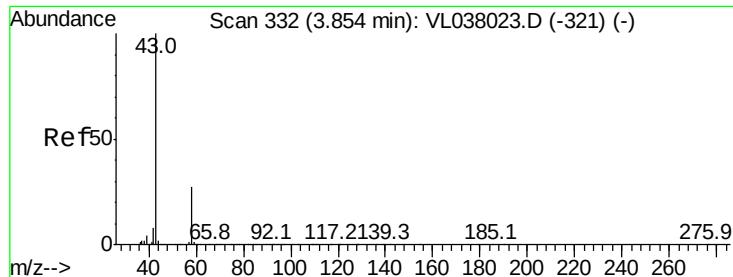
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#14
Bromoethene
Concen: 11.090 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion:108 Resp: 490863
Ion Ratio Lower Upper
108 100
106 113.0 90.4 135.6
79 18.1 14.1 21.1





#15

Acetone

Concen: 10.908 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

Tot Ion:

Ion Ratio

43 100

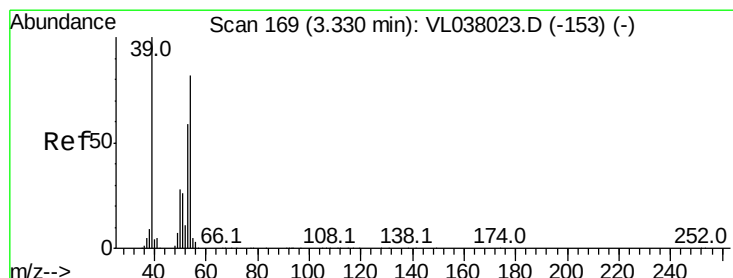
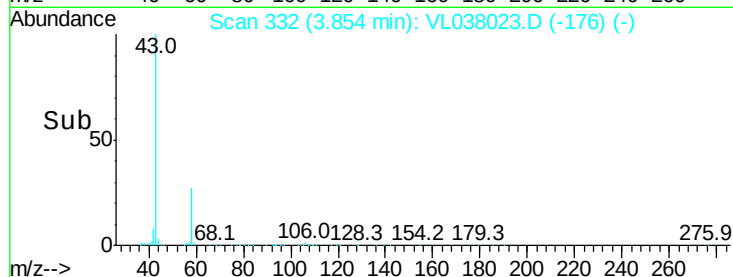
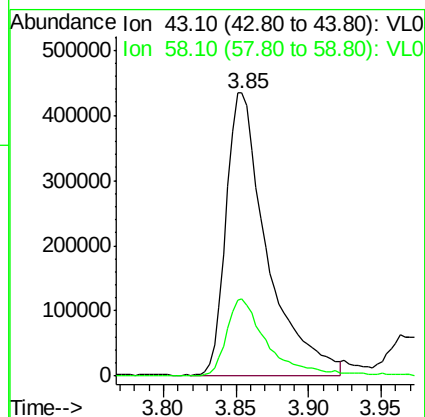
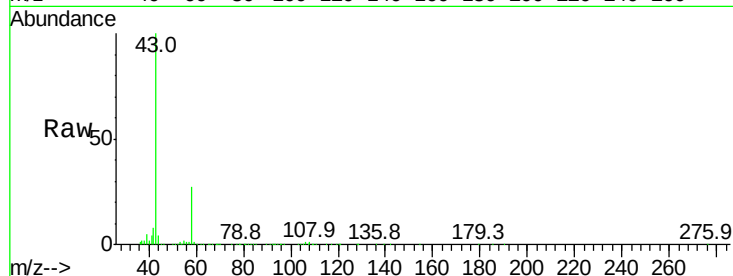
58 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#16

1,3-Butadiene

Concen: 11.597 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL038023.D

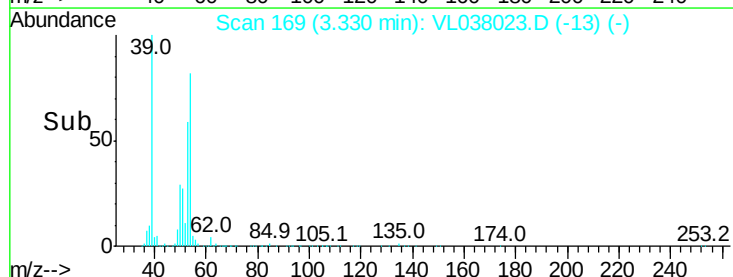
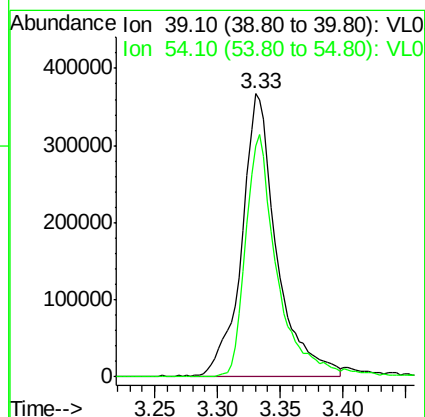
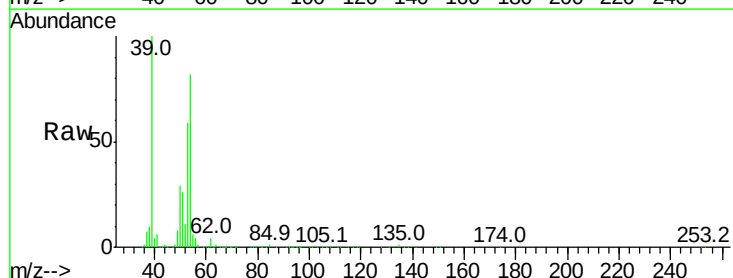
Acq: 16 Nov 2021 1:47

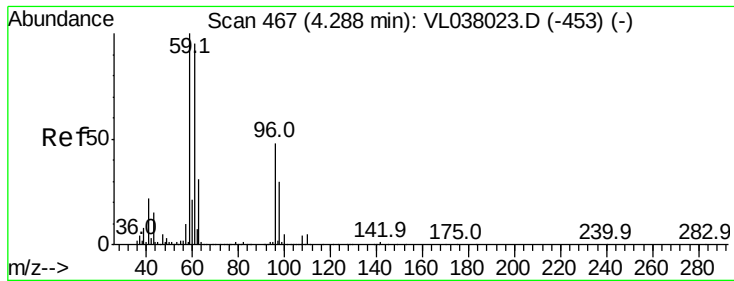
Tgt Ion: 39 Resp: 705257

Ion Ratio Lower Upper

39 100

54 79.6 63.8 95.8





#17

tert-Butyl alcohol

Concen: 14.866 ppbv

RT: 4.29 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47 VSTDICCC010

Tot Ion:

Ion Ratio

59 100

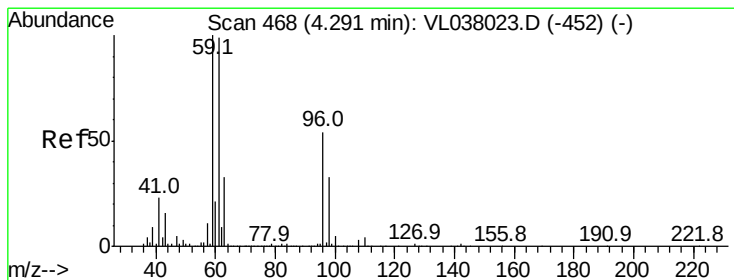
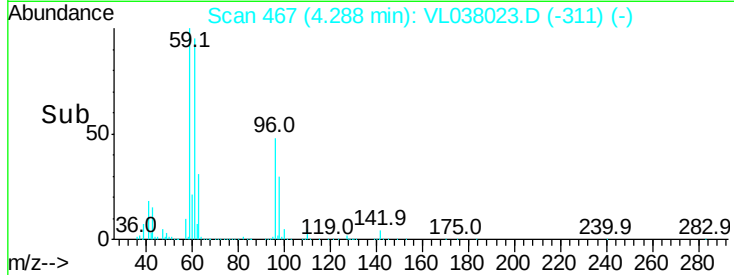
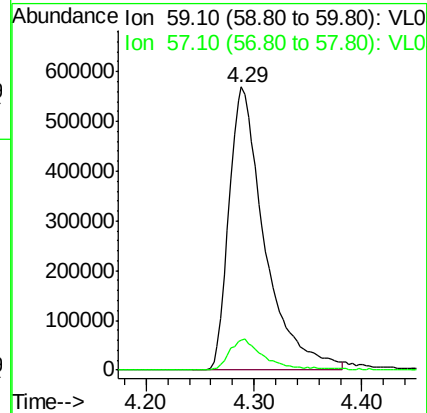
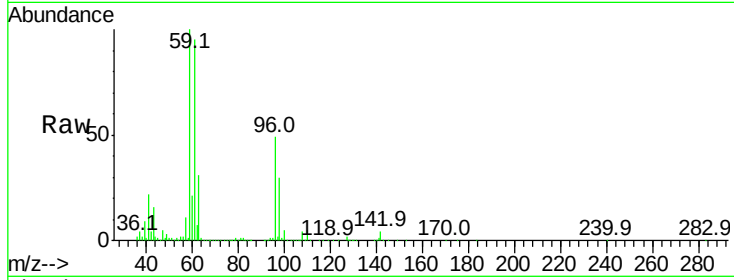
57 10.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#18

1,1-Dichloroethene

Concen: 11.758 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

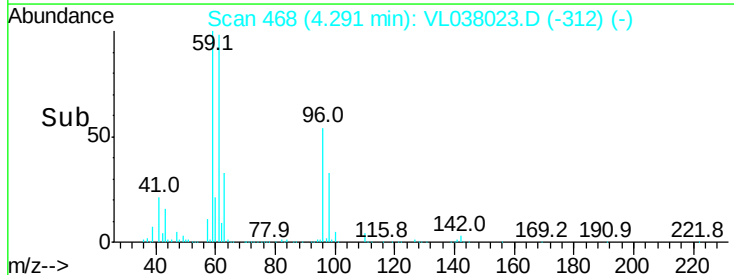
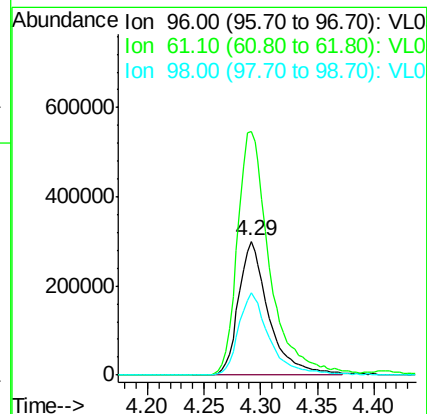
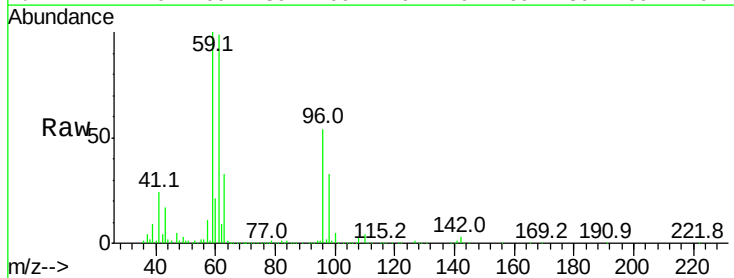
Tgt Ion: 96 Resp: 560101

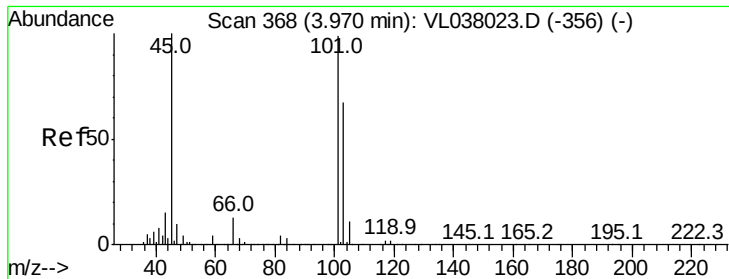
Ion Ratio Lower Upper

96 100

61 181.5 145.2 217.8

98 61.0 48.8 73.2





#19

Isopropyl Alcohol

Concen: 12.792 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

Tot Ion:

Ion Ratio

45 100

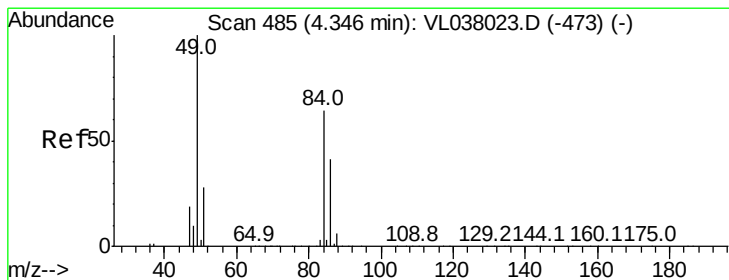
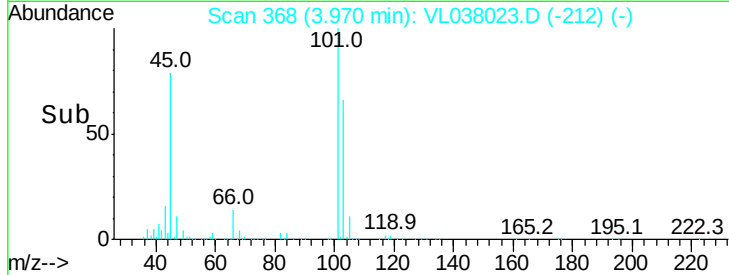
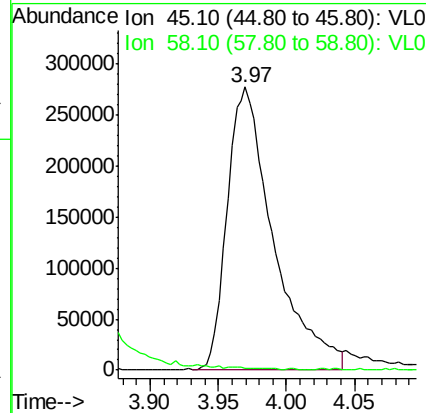
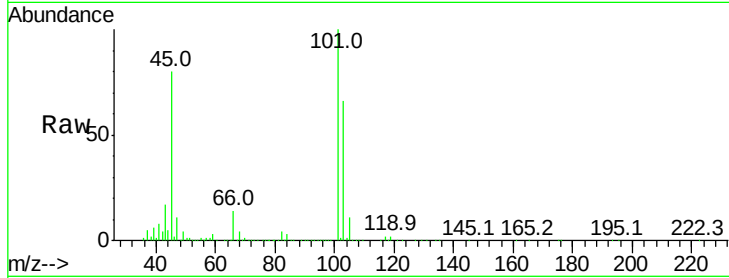
58 37.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#20

Methylene Chloride

Concen: 10.879 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

Tgt Ion: 84 Resp: 462395

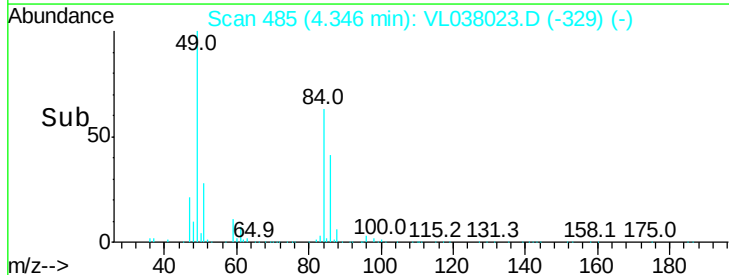
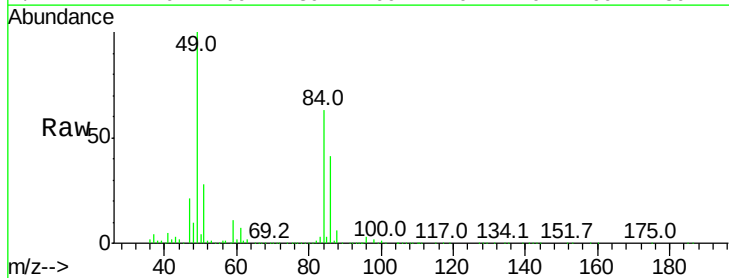
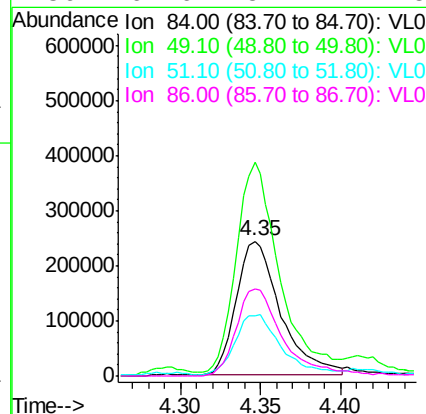
Ion Ratio Lower Upper

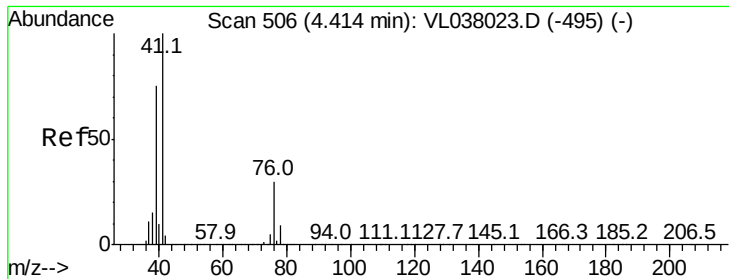
84 100

49 156.4 125.1 187.7

51 44.1 35.3 52.9

86 64.6 51.7 77.5



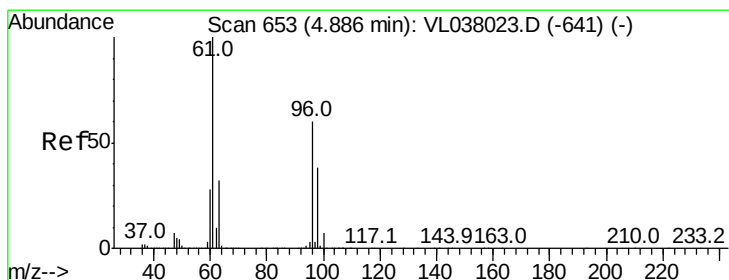
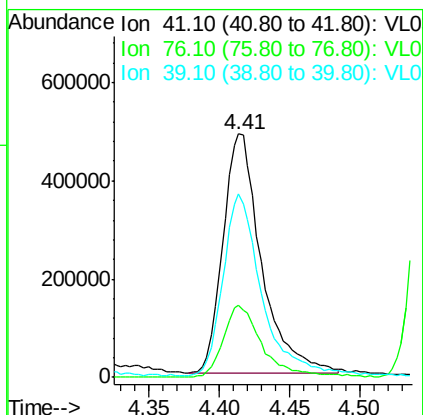
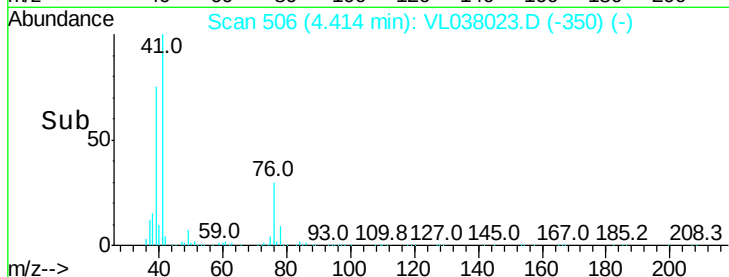
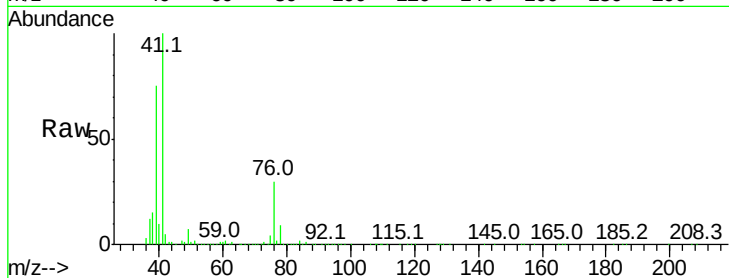


#21
 Allvl Chloride
 Concen: 12.715 ppbv
 RT: 4.41
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 16 Nov 2021 1:47

Tot Ion:
 Ion Ratio
 41 100
 76 30.
 39 75.

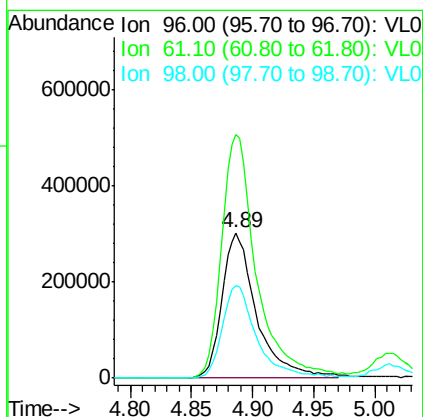
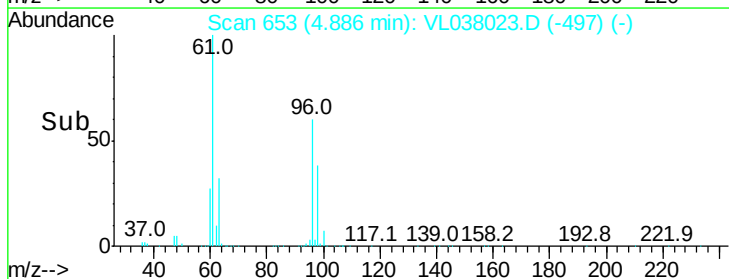
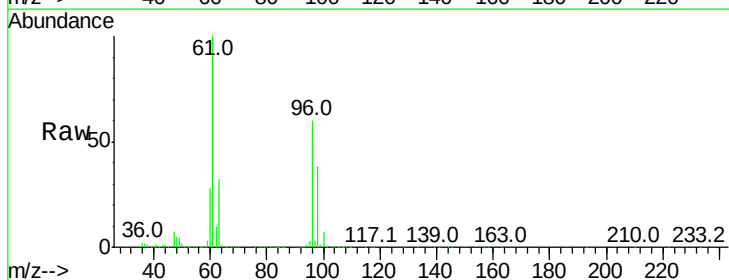
Manual Integrations
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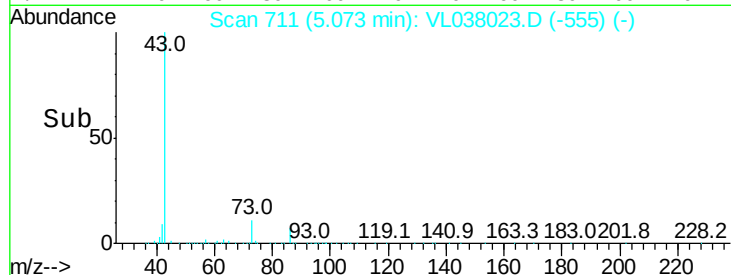
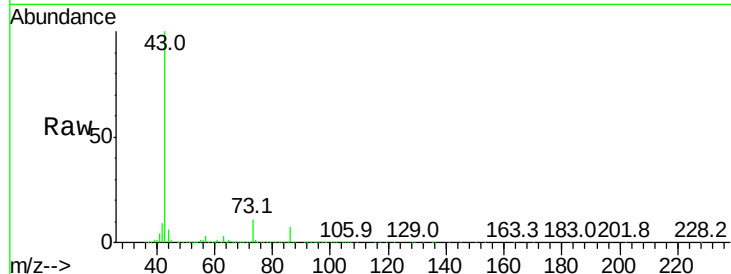
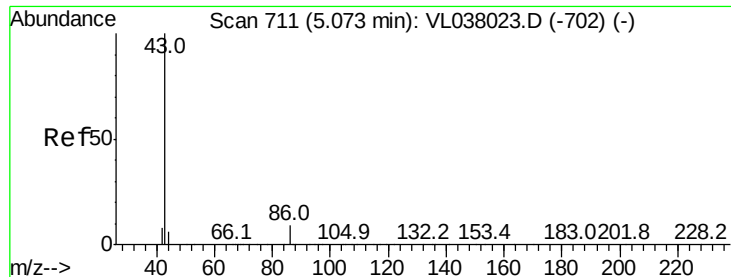
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#22
 trans-1,2-Dichloroethene
 Concen: 12.489 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion: 96 Resp: 598659
 Ion Ratio Lower Upper
 96 100
 61 167.8 134.2 201.4
 98 64.1 51.3 76.9



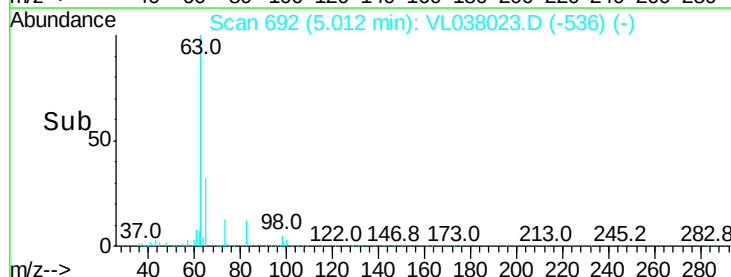
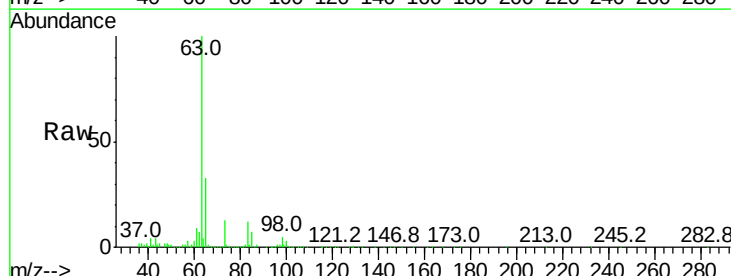
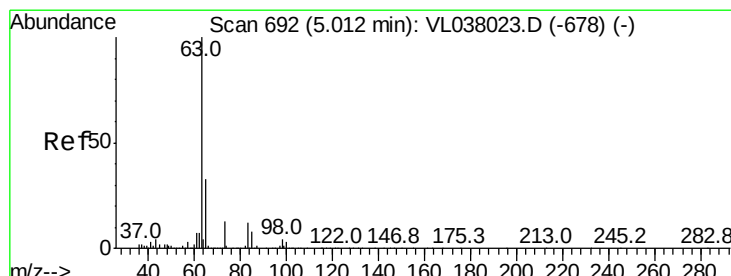
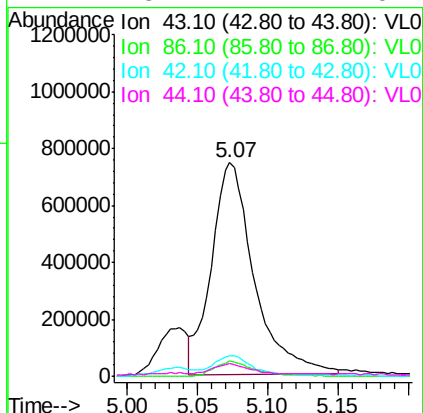


#23
 Vinyl Acetate
 Concen: 12.972 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDICCC010
 Acq: 16 Nov 2021 1:47

Tot Ion:
 Ion Ratio
 43 100
 86 7.
 42 9.
 44 5.1 4.1 6.1

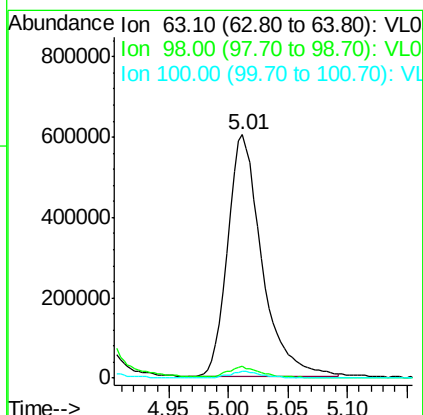
Manual Integrations
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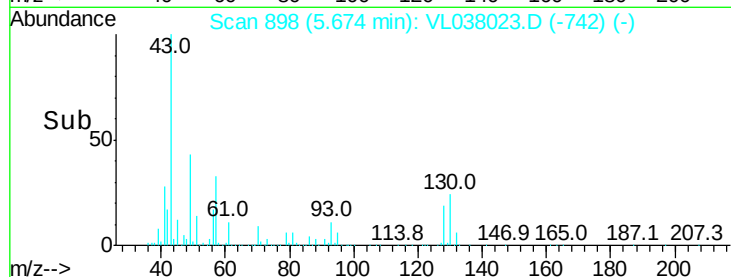
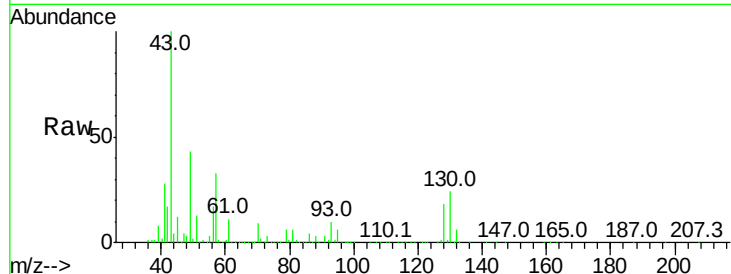
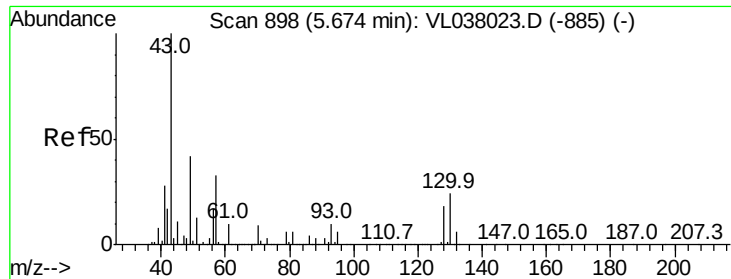
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#24
 1,1-Dichloroethane
 Concen: 12.274 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion: 63 Resp: 1206224
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.3 6.9
 100 2.9 1.5 4.4



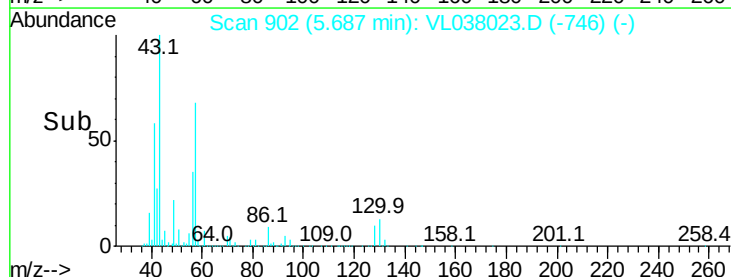
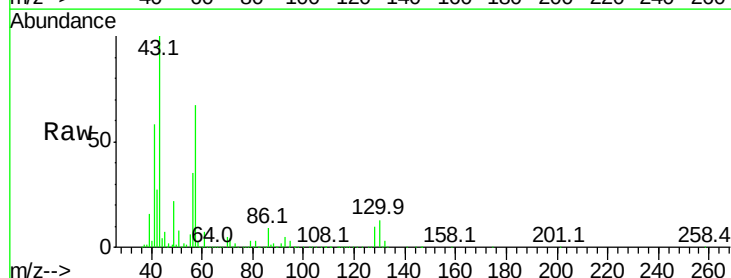
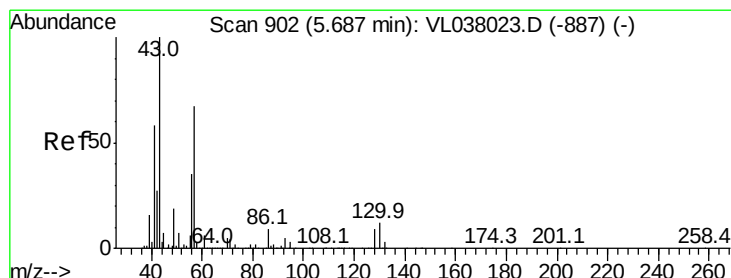
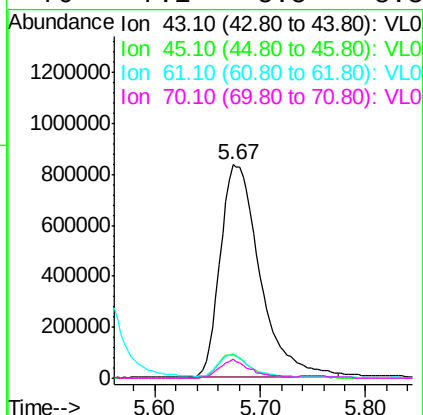


#25
Ethyl Acetate
Concen: 9.949 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Nov 2021 1:47

Tot Ion:
Ion Ratio
43 100
45 10.
61 10.
70 7.1 5.5 8.3

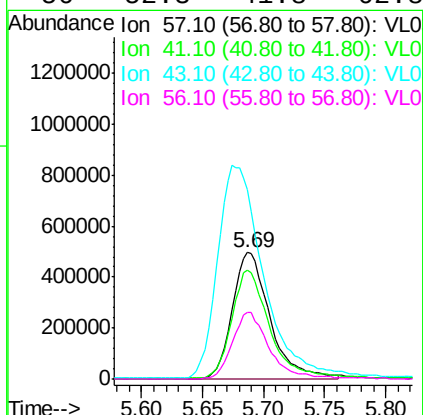
Manual Integrations
APPROVED

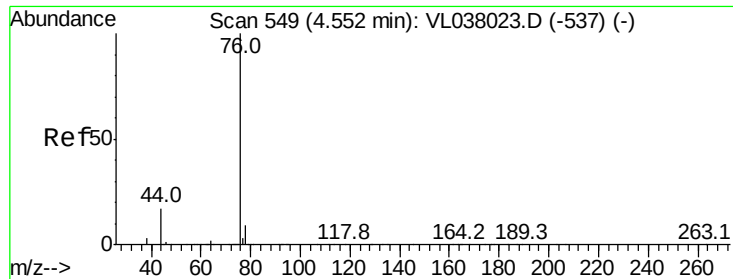
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#26
Hexane
Concen: 10.129 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 57 Resp: 1058855
Ion Ratio Lower Upper
57 100
41 88.5 70.8 106.2
43 211.7 169.4 254.0
56 52.3 41.8 62.8





#27

Carbon Disulfide

Concen: 13.600 ppbv

RT: 4.55

Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId : VSTDICCC010

Acq: 16 Nov 2021 1:47

Tot Ion:

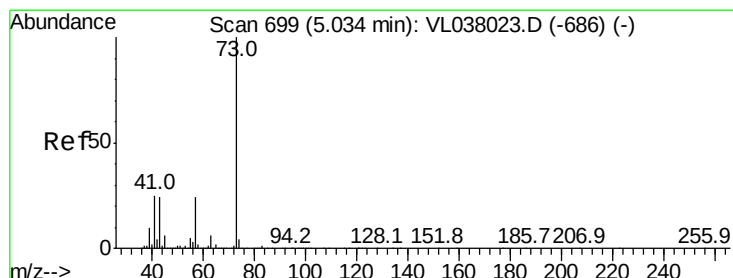
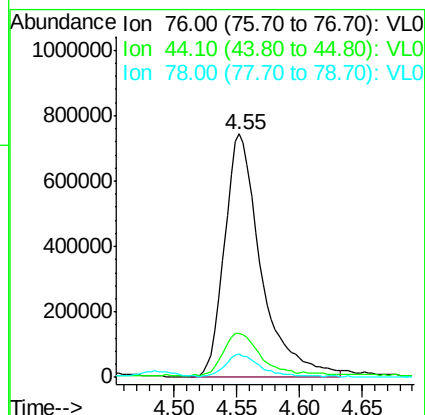
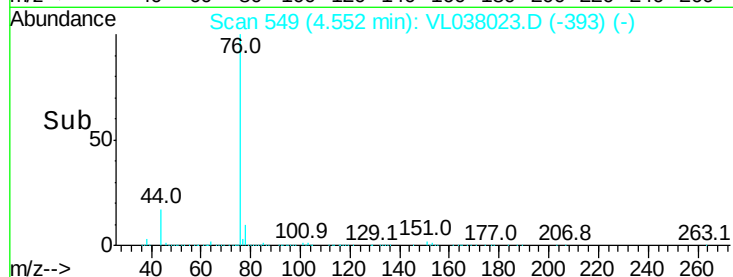
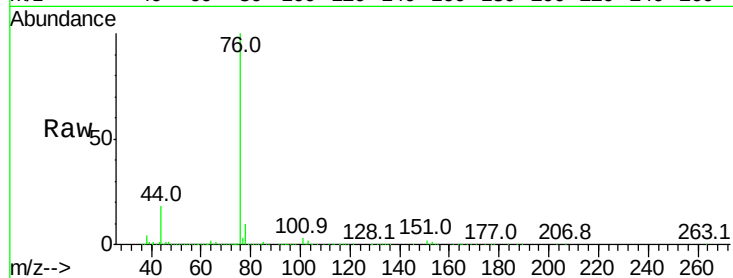
Ion	Ratio
76	100
44	19.1
78	9.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#28

Methyl tert-Butyl Ether

Concen: 14.424 ppbv

RT: 5.03 min Scan# 699

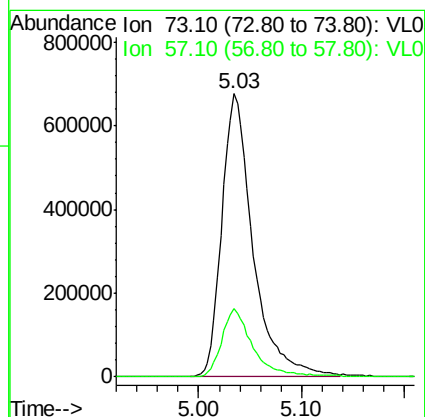
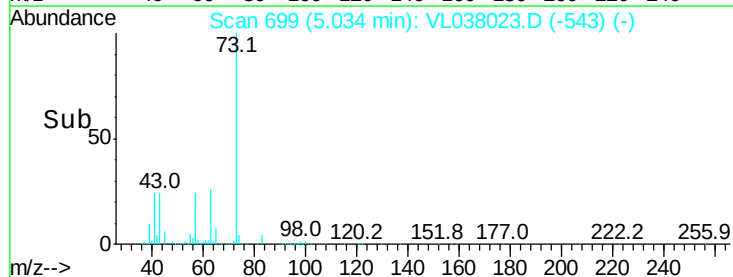
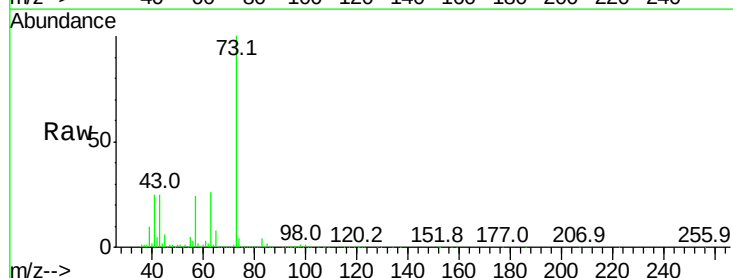
Delta R.T. 0.00 min

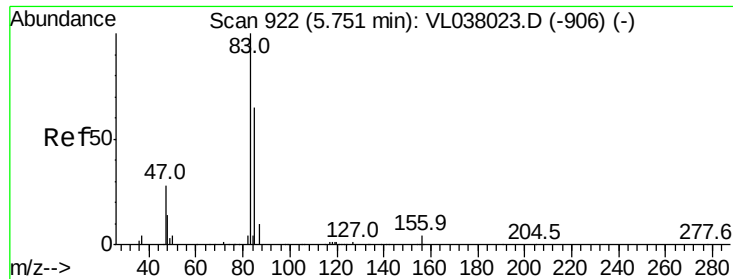
Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

Tgt Ion: 73 Resp: 1424098

Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.1	28.7



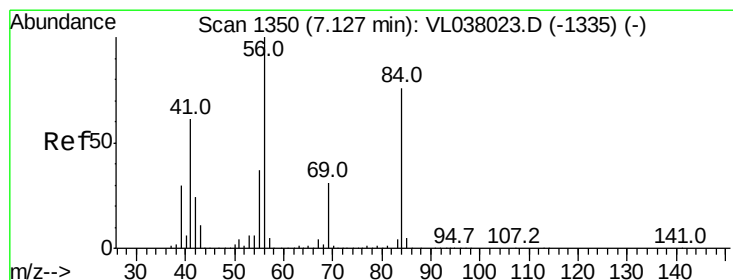
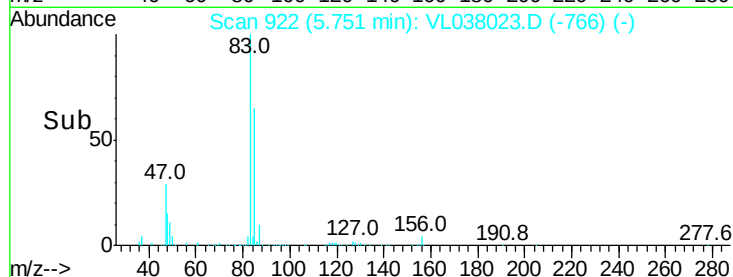
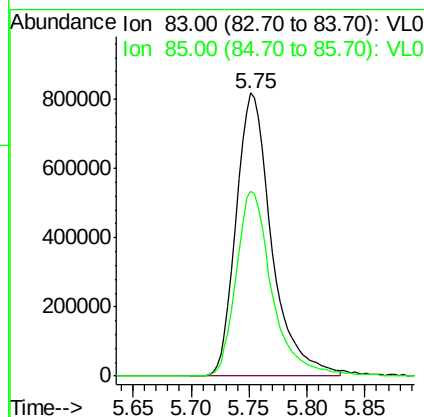
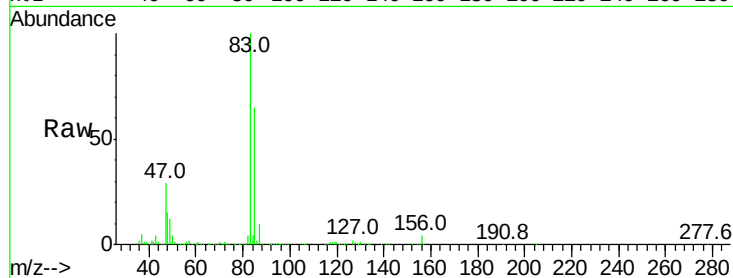


#29
Chloroform
Concen: 10.859 ppbv
RT: 5.75
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Nov 2021 1:47

Tot Ion:
Ion Ratio
83 100
85 65.

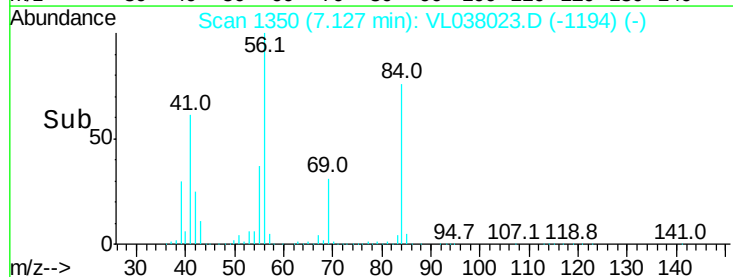
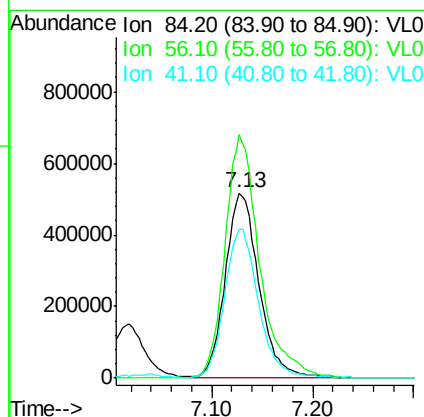
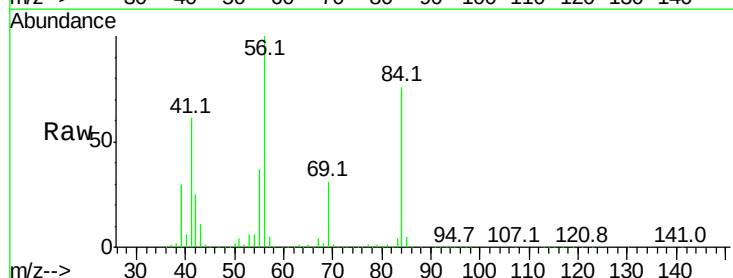
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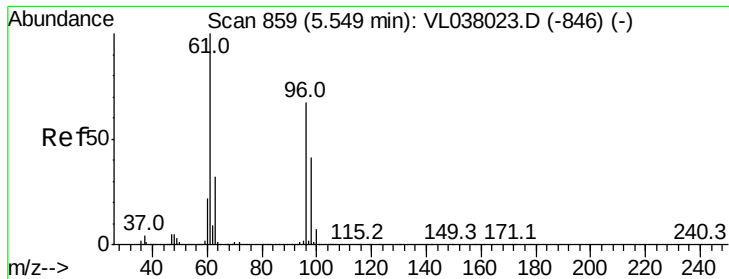
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#30
Cyclohexane
Concen: 12.512 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 84 Resp: 1193031
Ion Ratio Lower Upper
84 100
56 136.9 109.4 164.2
41 81.4 65.8 98.6





#31

cis-1,2-Dichloroethene

Concen: 9.873 ppbv

RT: 5.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 16 Nov 2021 1:47

Tot Ion:

Ion Ratio

61 100

96 67.

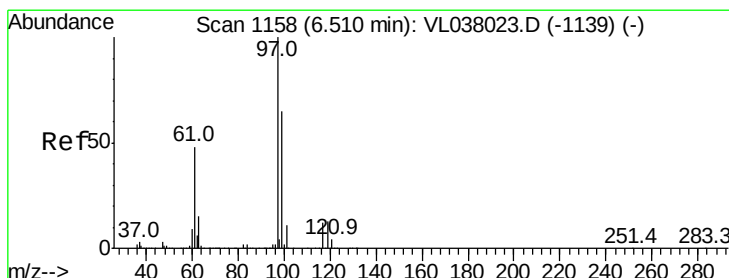
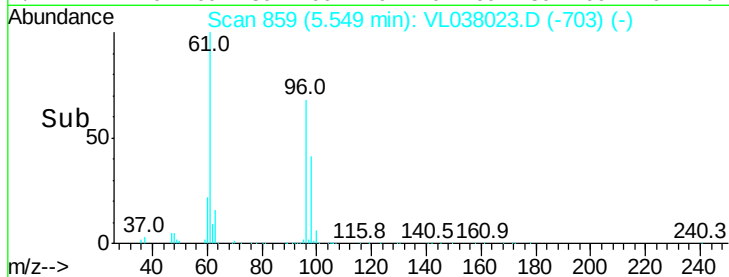
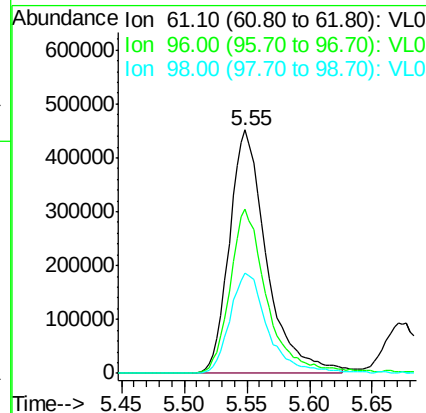
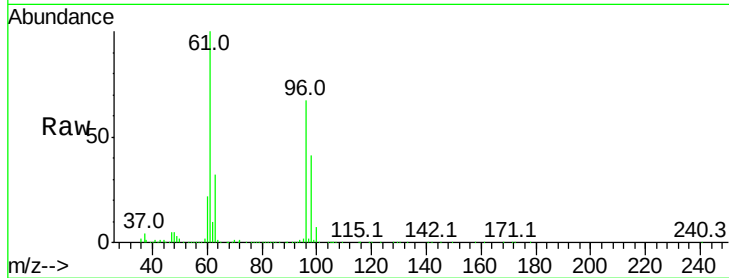
98 41.

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APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#32

1,1,1-Trichloroethane

Concen: 12.349 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

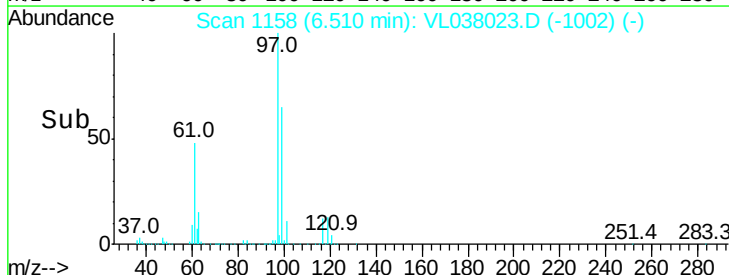
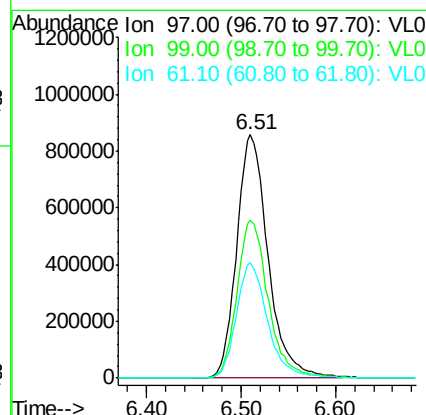
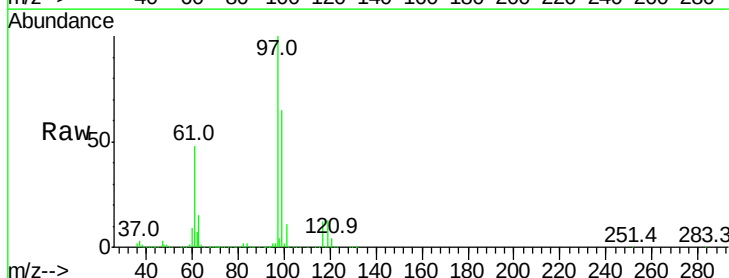
Tgt Ion: 97 Resp: 1976814

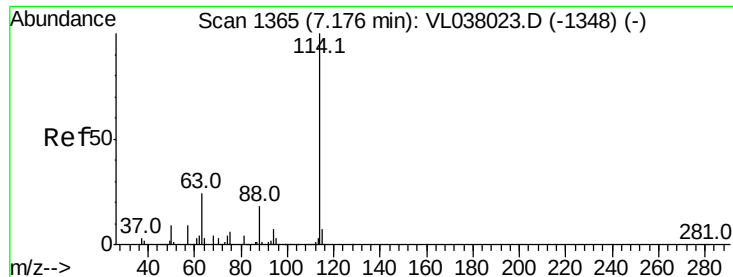
Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 47.1 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

Tot Ion:1

Ion Rati

114 100

63 24.

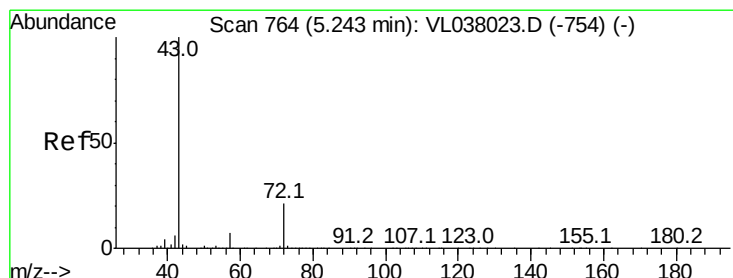
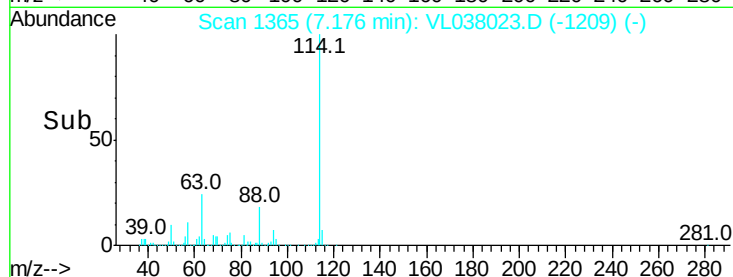
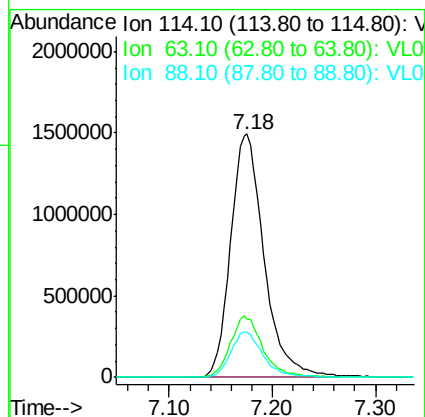
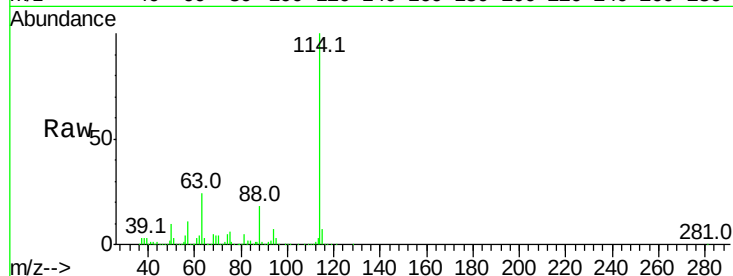
88 18.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#34

2-Butanone

Concen: 7.930 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL038023.D

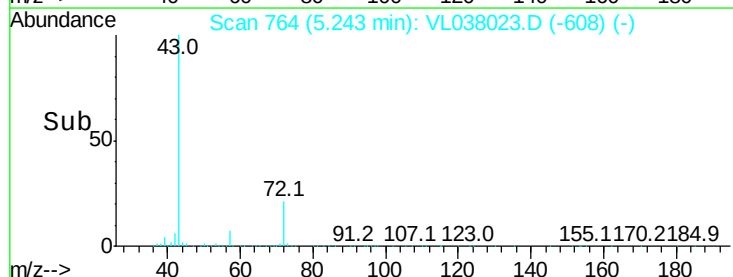
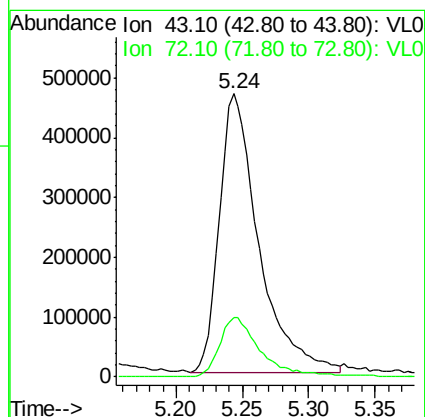
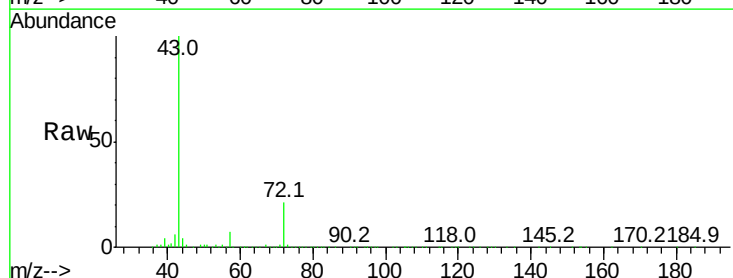
Acq: 16 Nov 2021 1:47

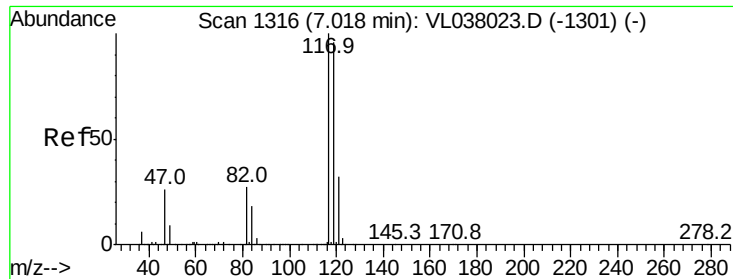
Tgt Ion: 43 Resp: 960479

Ion Ratio Lower Upper

43 100

72 22.7 18.2 27.4



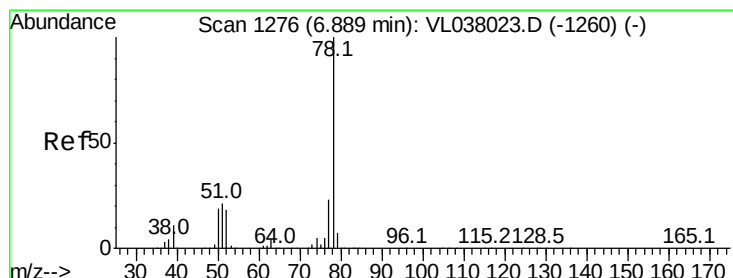
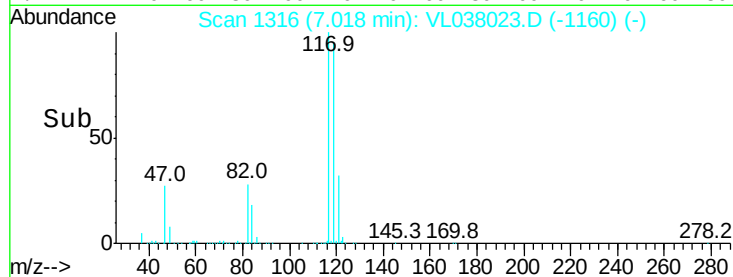
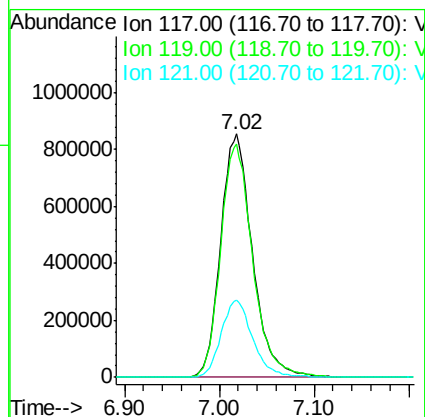
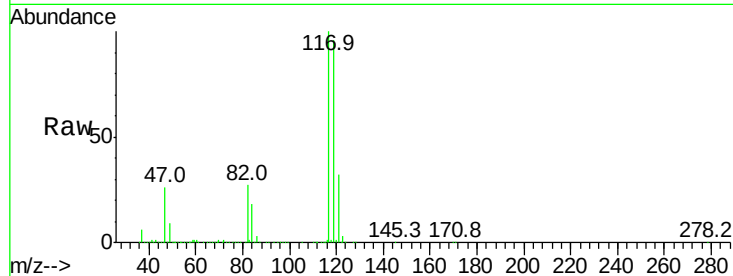


#35
Carbon Tetrachloride
Concen: 9.613 ppbv
RT: 7.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 1:47

Tot Ion: 1
Ion Ratio
117 100
119 95.
121 31.

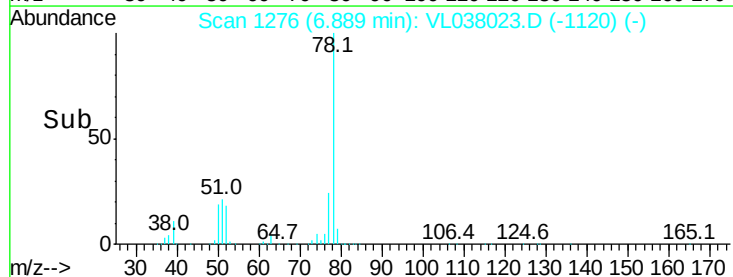
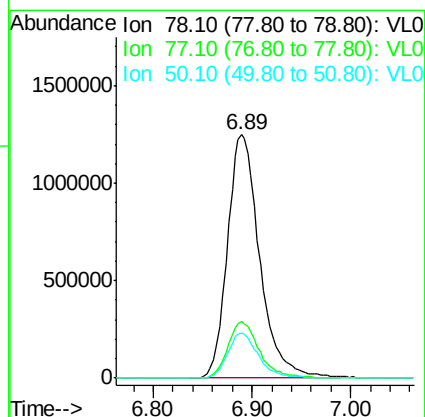
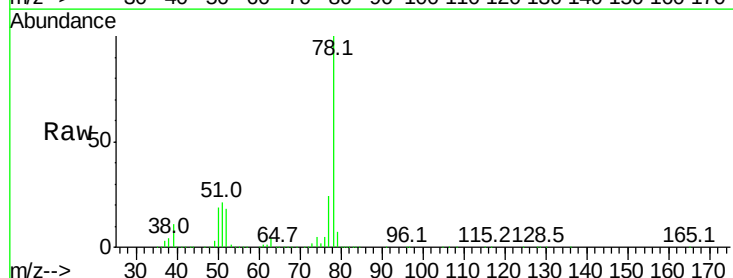
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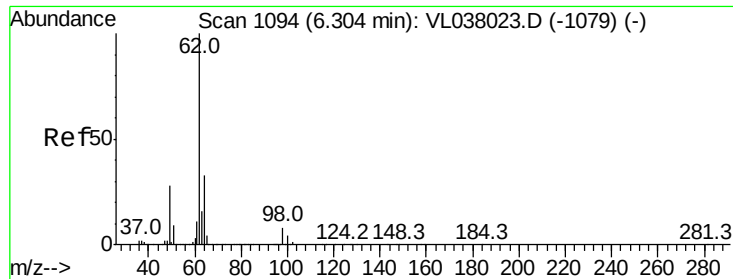
Reviewed By : Semsettin Yesilyurt 11/17/2021
Supervised By : Mahesh Dadoda 11/17/2021



#36
Benzene
Concen: 10.218 ppbv
RT: 6.89 min Scan# 1276
Delta R.T.: 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 78 Resp: 2845756
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2
50 18.6 14.9 22.3



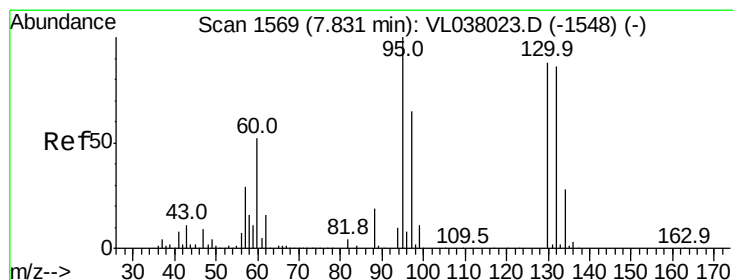
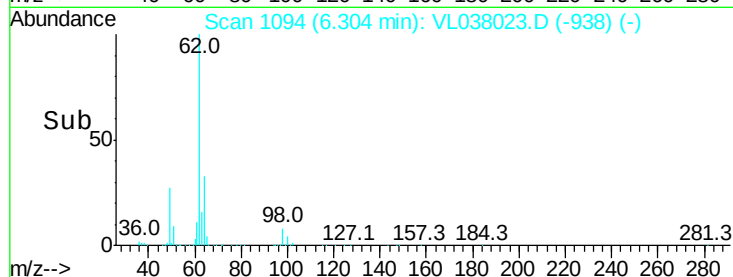
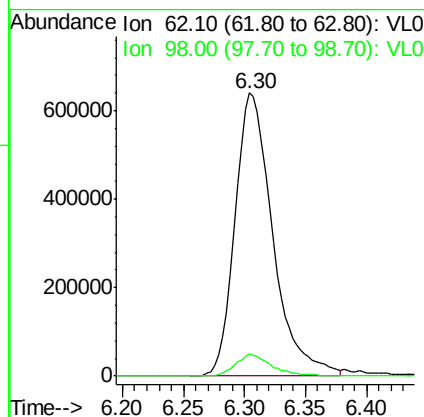
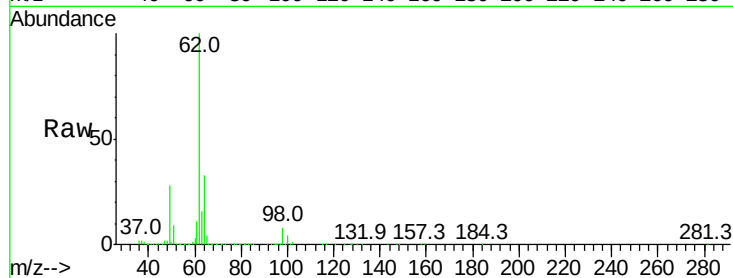


#37
 1,2-Dichloroethane
 Concen: 10.362 ppbv
 RT: 6.30
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDICCC010
 Acq: 16 Nov 2021 1:47

Tot Ion:
 Ion Ratio
 62 100
 98 7.

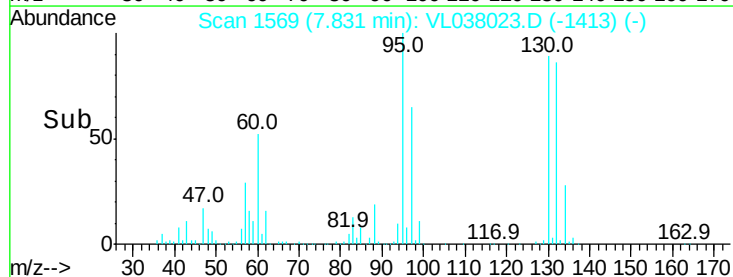
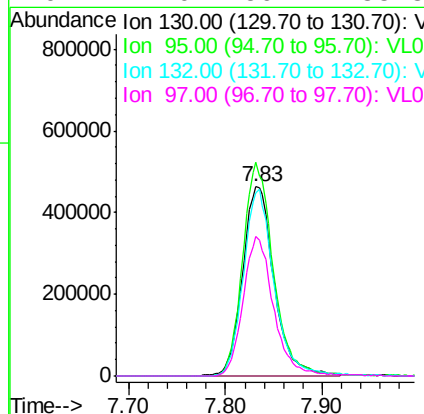
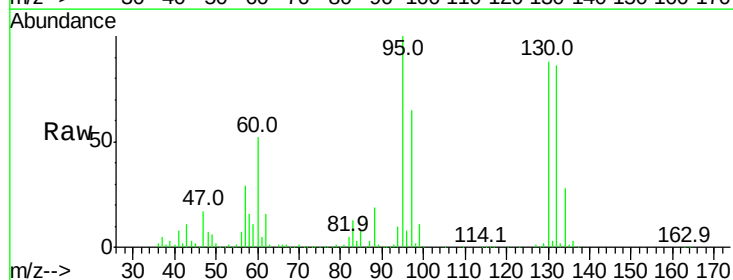
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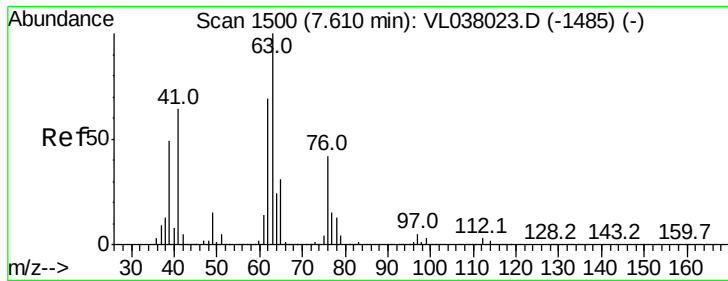
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#38
 Trichloroethene
 Concen: 9.184 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion:130 Resp: 1047323
 Ion Ratio Lower Upper
 130 100
 95 113.1 90.5 135.7
 132 96.7 77.4 116.0
 97 74.0 59.2 88.8



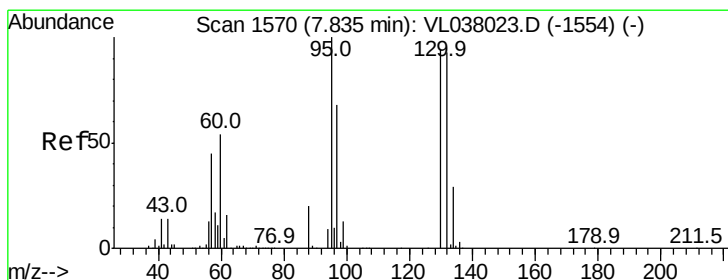
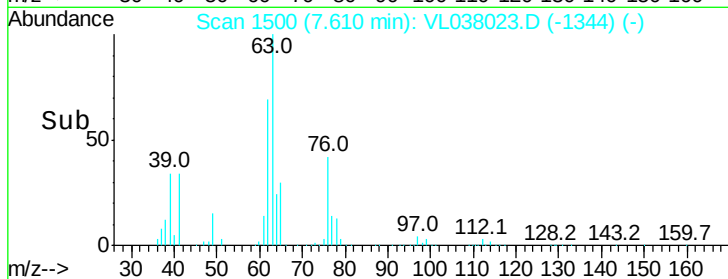
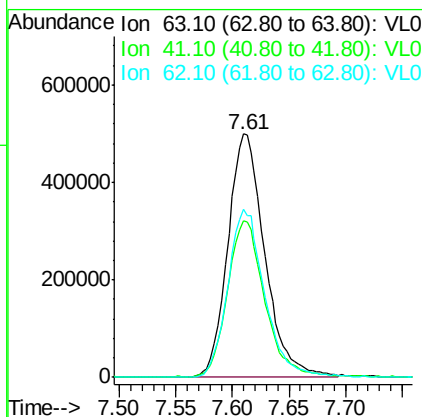
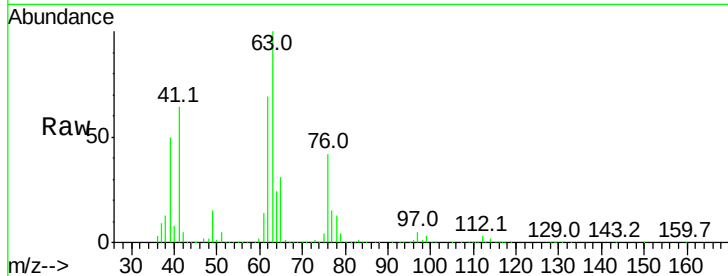


#39
 1,2-Dichloropropane
 Concen: 10.669 ppbv
 RT: 7.61 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 1:47

Tot Ion:
 Ion Ratio
 63 100
 41 63.
 62 69.

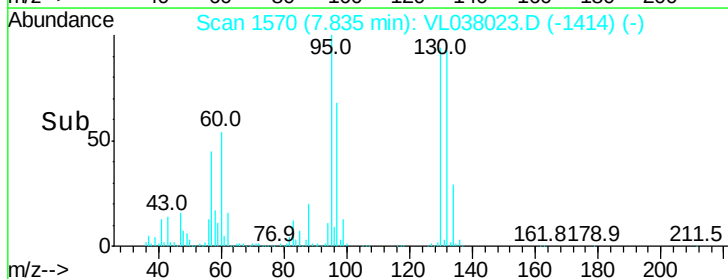
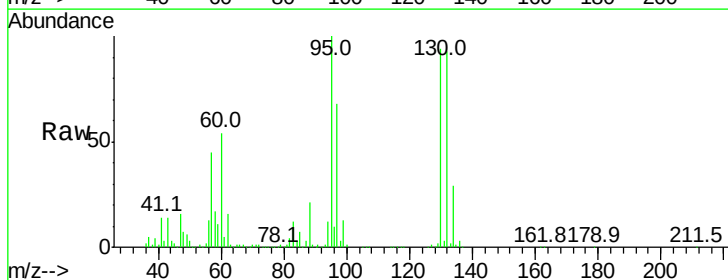
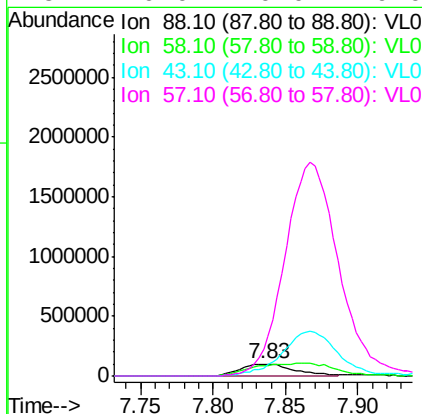
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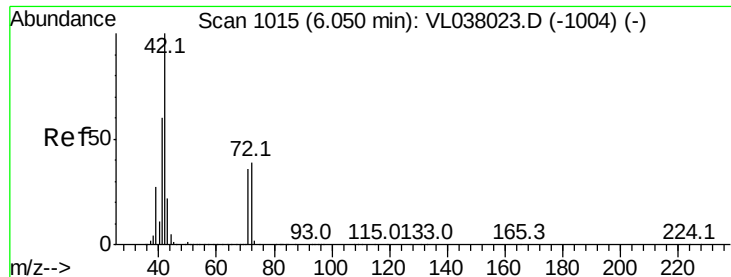
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#40
 1,4-Dioxane
 Concen: 9.382 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T.: 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion: 88 Resp: 256063
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0



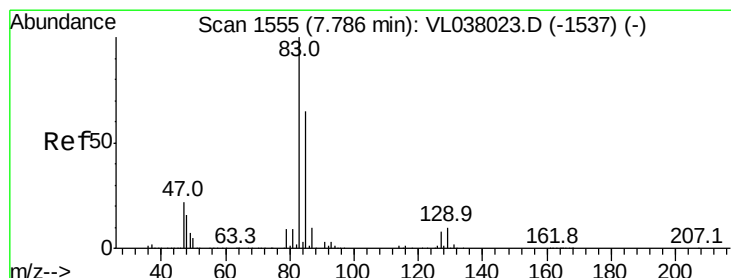
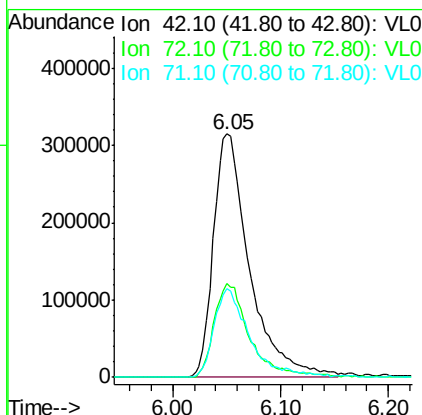
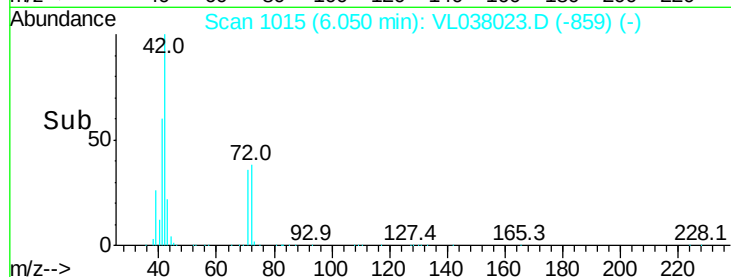
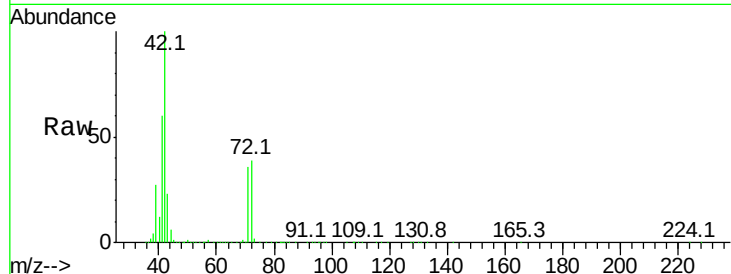


#41
Tetrahydrofuran
Concen: 11.402 ppbv
RT: 6.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDICCC010
Acq: 16 Nov 2021 1:47

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

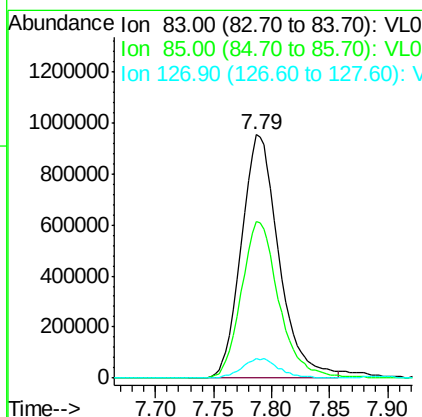
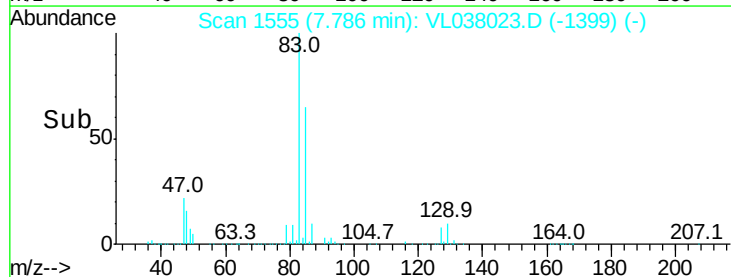
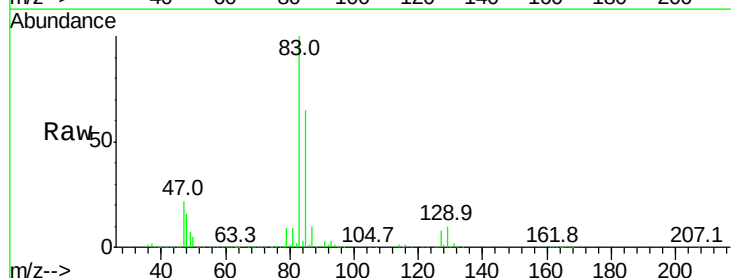
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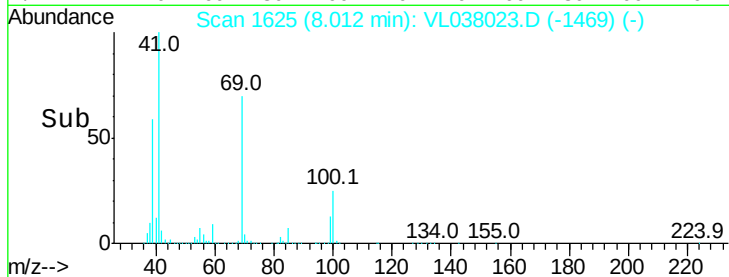
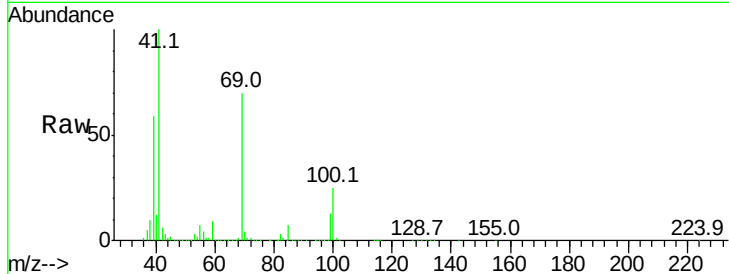
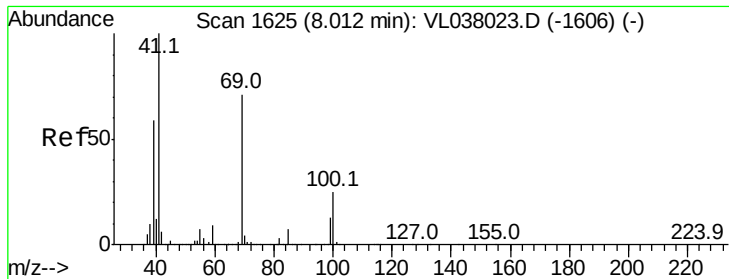
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#42
Bromodichloromethane
Concen: 10.624 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 83 Resp: 2149232
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4
127 8.3 6.6 10.0



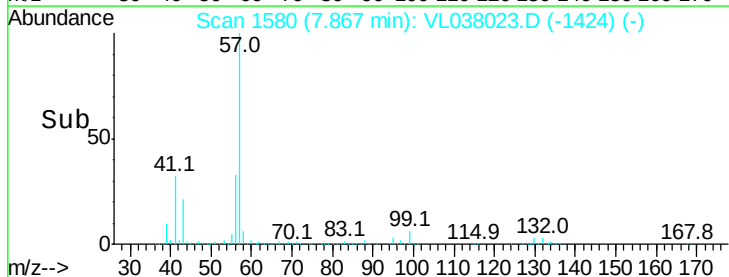
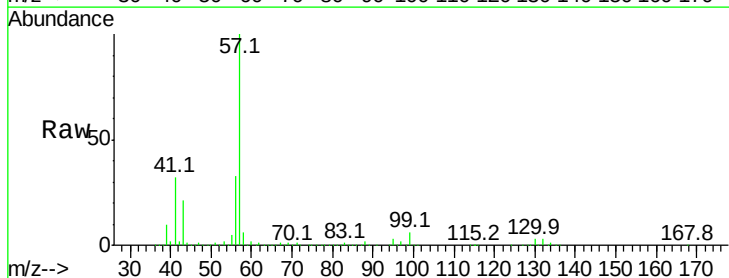
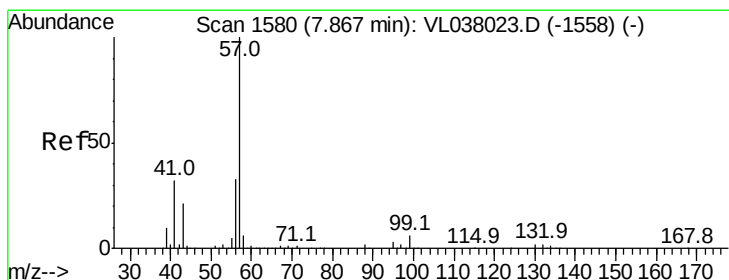
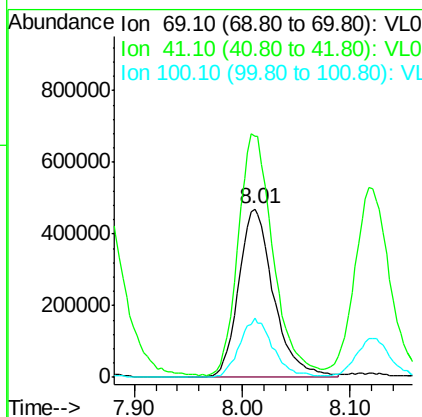


#43
Methyl Methacrylate
Concen: 11.471 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDICCC010
Acq: 16 Nov 2021 1:47

Tot Ion:
Ion Ratio
69 100
41 145.
100 33.

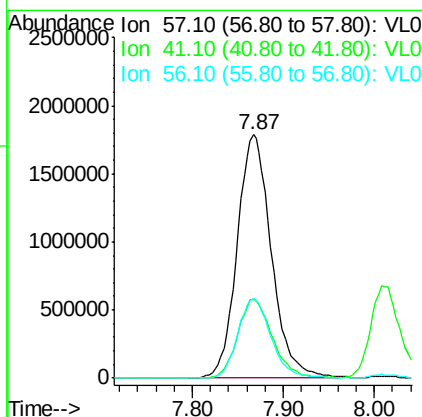
Manual Integrations
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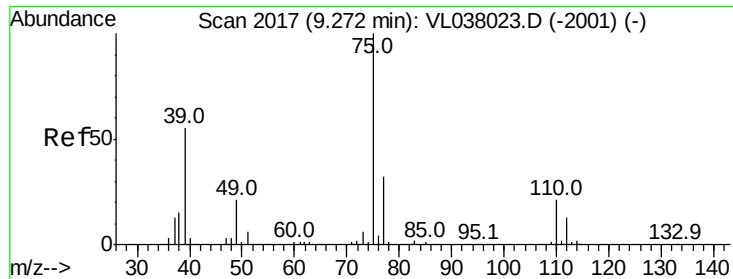
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#44
2,2,4-Trimethylpentane
Concen: 9.874 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 57 Resp: 4655852
Ion Ratio Lower Upper
57 100
41 32.7 26.3 39.5
56 31.9 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 13.715 ppbv

RT: 9.27 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47 VSTDICCC010

Tot Ion:

Ion Ratio

75 100

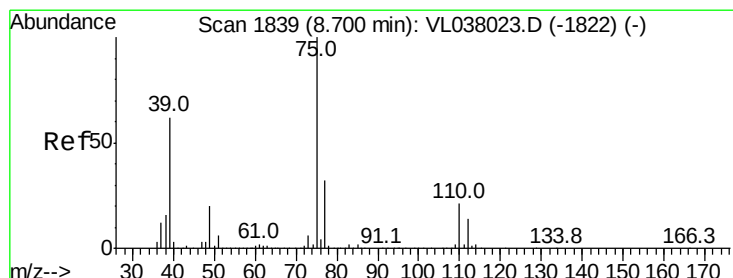
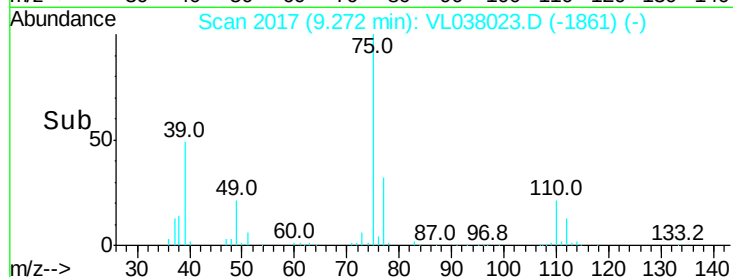
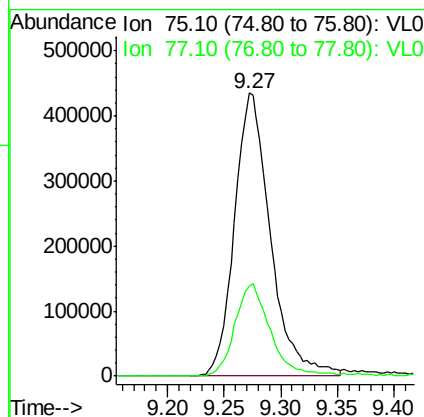
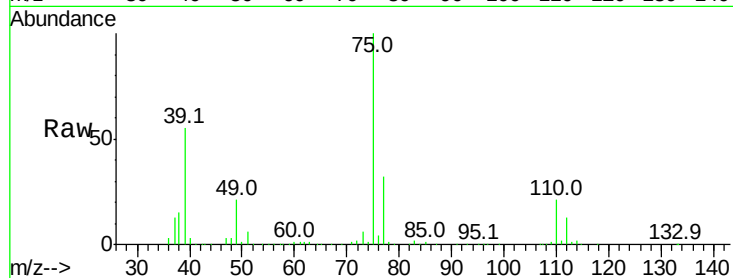
77 32.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#46

cis-1,3-Dichloropropene

Concen: 12.705 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

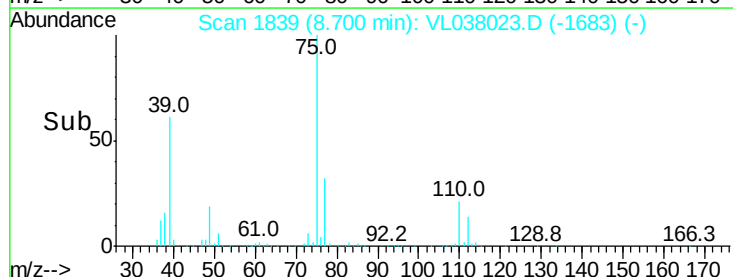
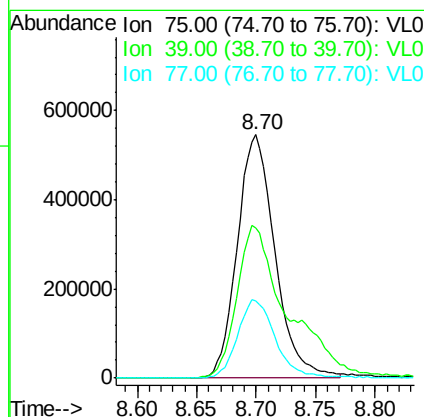
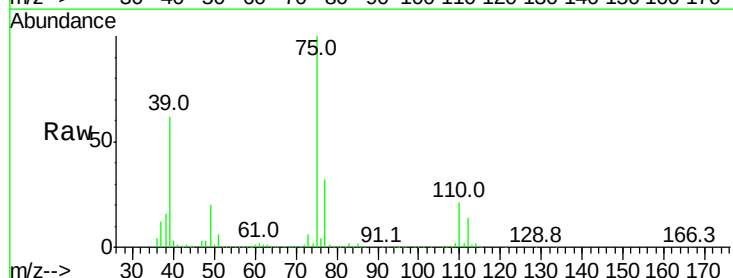
Tgt Ion: 75 Resp: 1199794

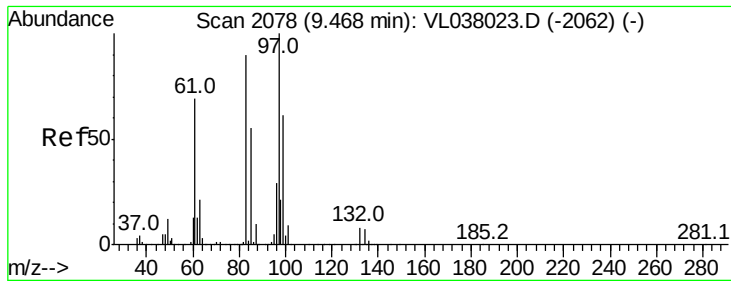
Ion Ratio Lower Upper

75 100

39 61.5 49.2 73.8

77 31.6 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.724 ppbv

RT: 9.47 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 1:47 VSTDICCC010

Manual Integrations

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Tot Ion:

Ion Ratio

97 100

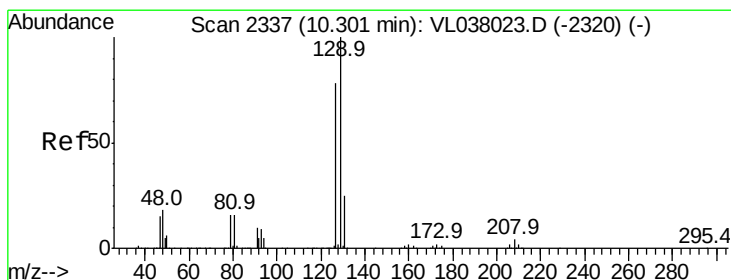
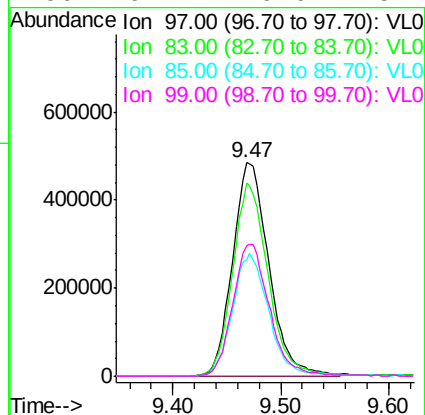
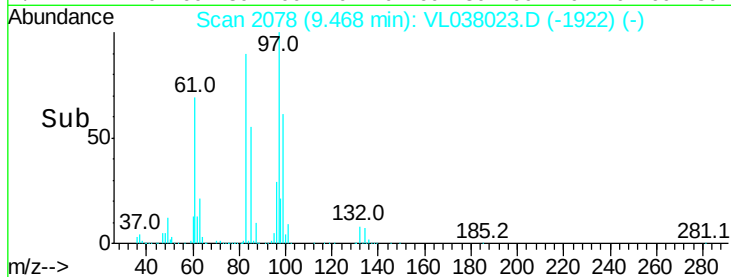
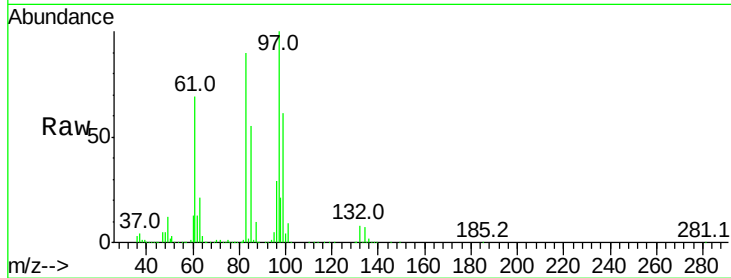
83 90.

85 54.

99 61.2 49.0 73.4

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#48

Dibromochloromethane

Concen: 11.016 ppbv

RT: 10.30 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VL038023.D

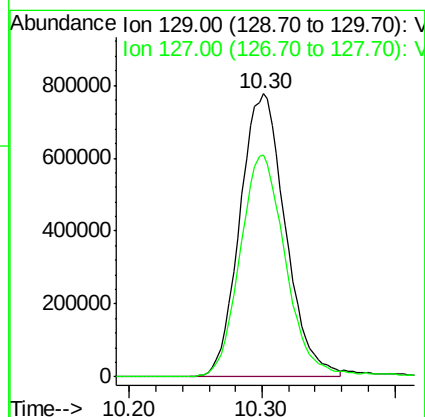
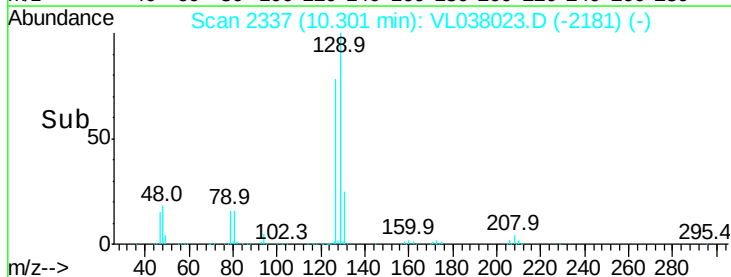
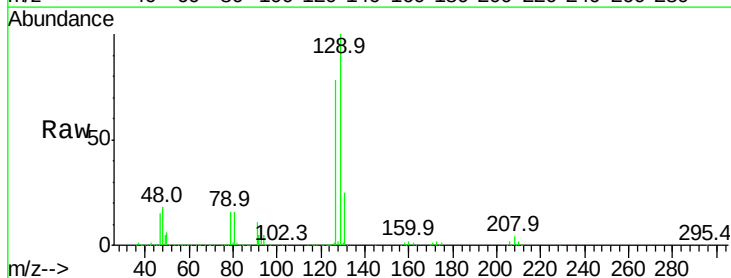
Acq: 16 Nov 2021 1:47

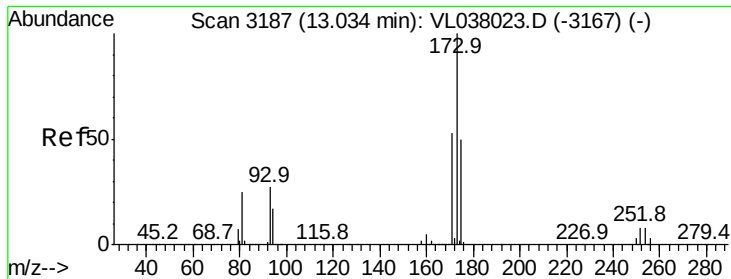
Tgt Ion:129 Resp: 1850830

Ion Ratio Lower Upper

129 100

127 80.2 39.8 119.3





#49

Bromoform

Concen: 10.940 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

Tot Ion:1

Ion Ratio

173 100

175 52.

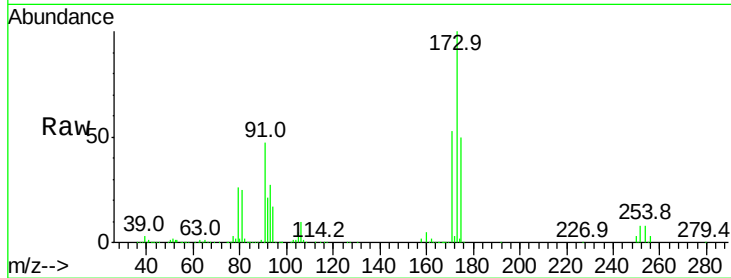
171 55.

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Reviewed By :Semsettin Yesilyurt 11/17/2021

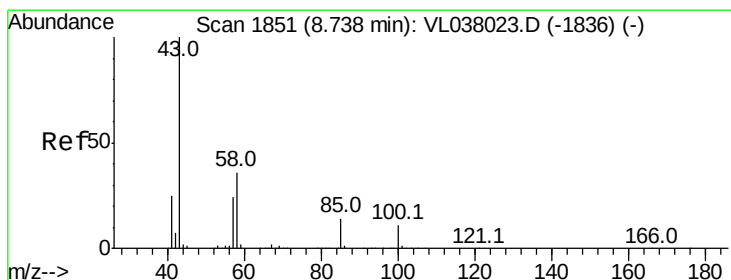
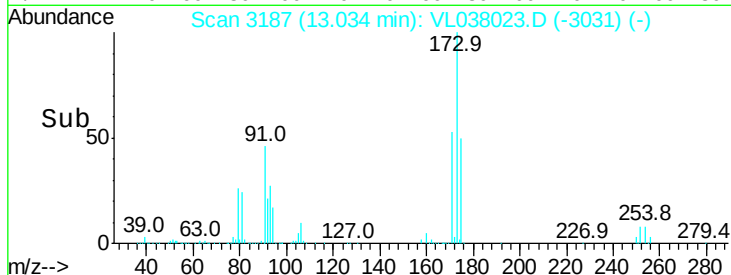
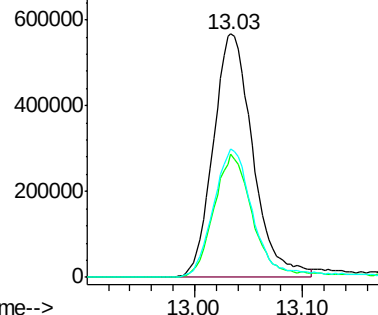
Supervised By :Mahesh Dadoda 11/17/2021



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: 11.020 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL038023.D

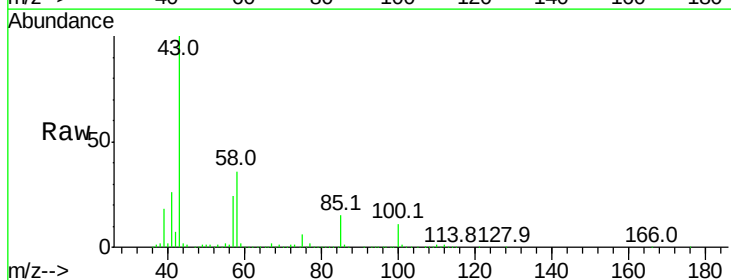
Acq: 16 Nov 2021 1:47

Tgt Ion: 43 Resp: 1841070

Ion Ratio Lower Upper

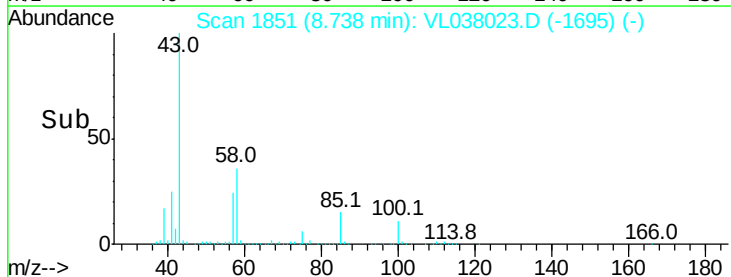
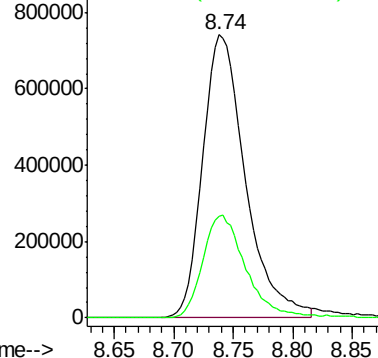
43 100

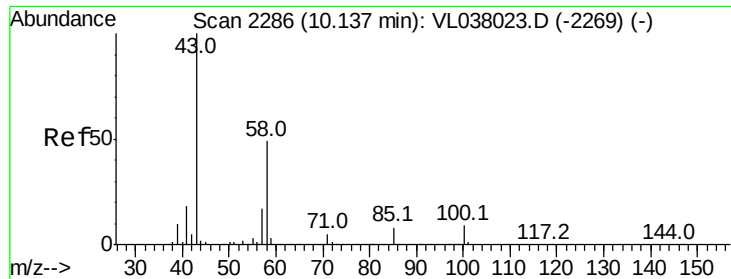
58 37.2 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



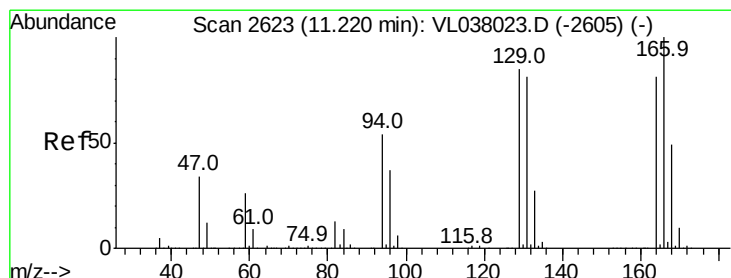
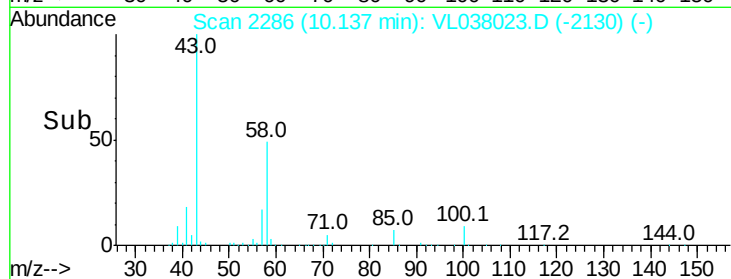
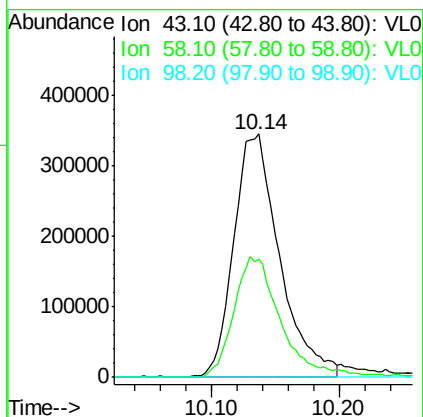
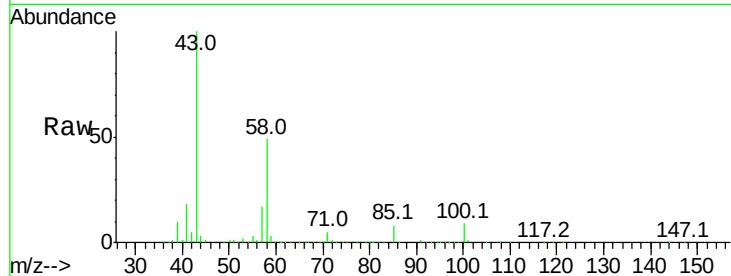


#51
2-Hexanone
Concen: 11.965 ppbv m
RT: 10.14
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDICCC010
Acq: 16 Nov 2021 1:47

Tot Ion:
Ion Ratio
43 100
58 51.
98 0.

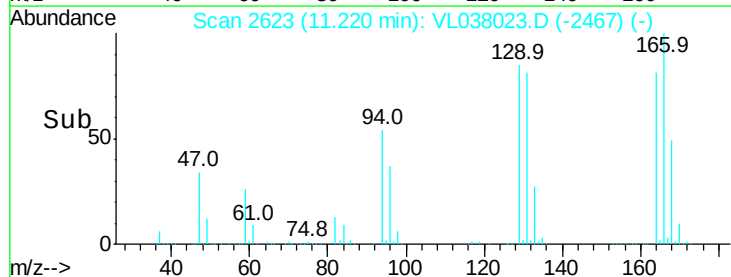
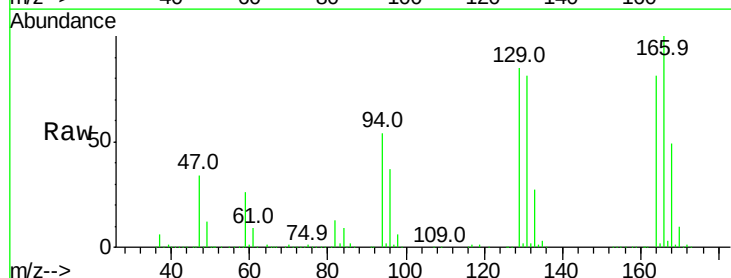
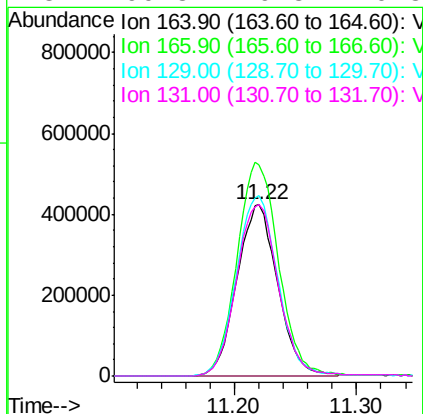
Manual Integrations
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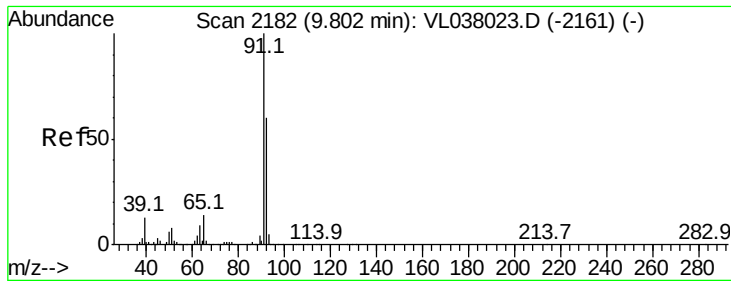
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#52
Tetrachloroethene
Concen: 9.314 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion:164 Resp: 972655
Ion Ratio Lower Upper
164 100
166 123.3 98.6 148.0
129 105.1 84.1 126.1
131 99.8 79.8 119.8





#53

Toluene

Concen: 10.943 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

Tot Ion:

Ion Ratio

91 100

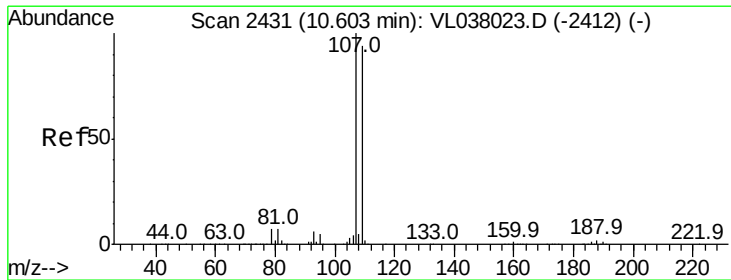
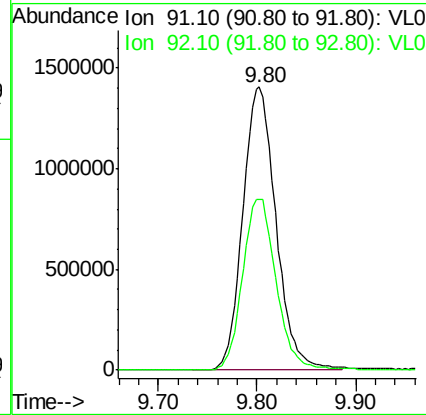
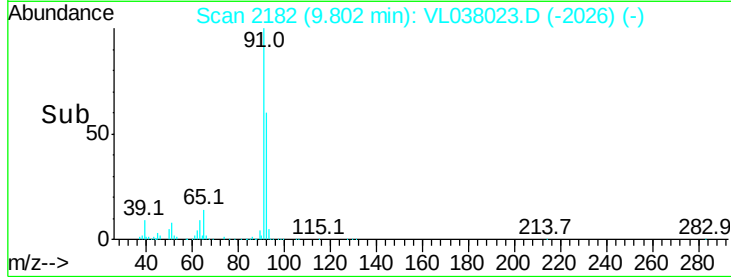
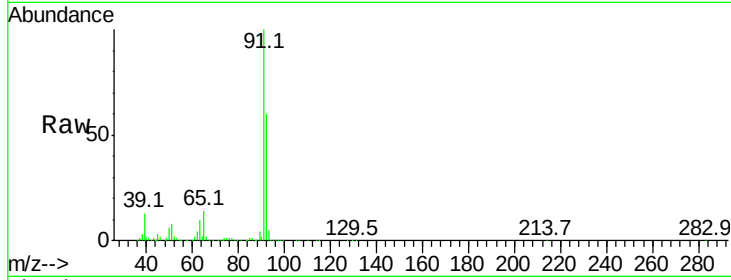
92 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#54

1,2-Dibromoethane

Concen: 10.655 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL038023.D

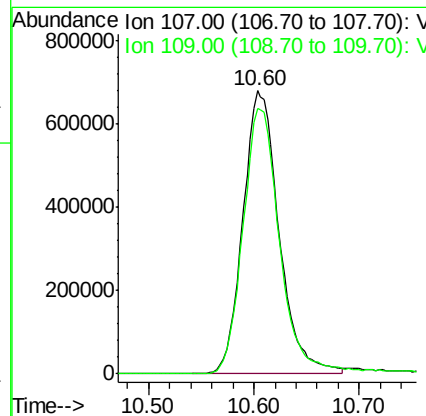
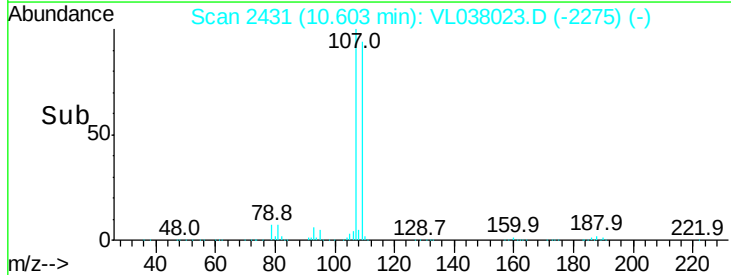
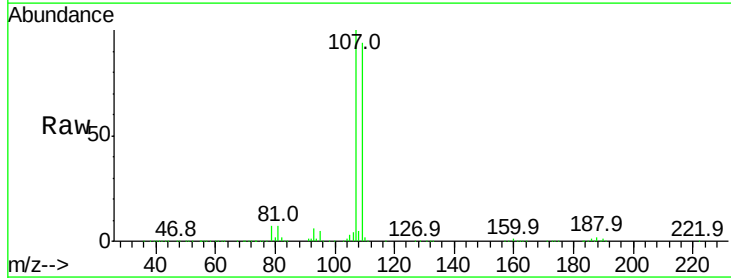
Acq: 16 Nov 2021 1:47

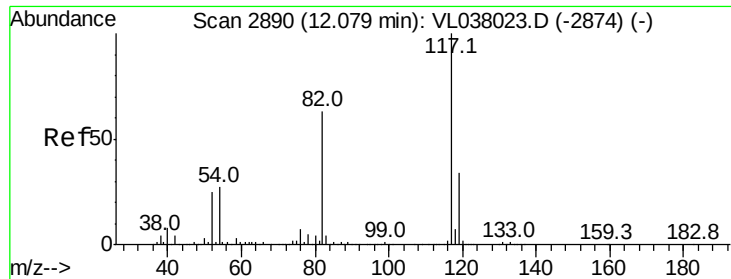
Tgt Ion:107 Resp: 1621667

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.6



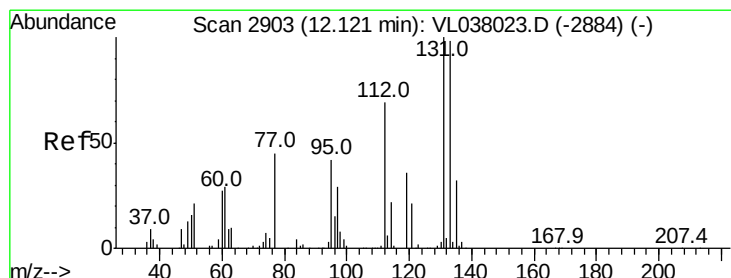
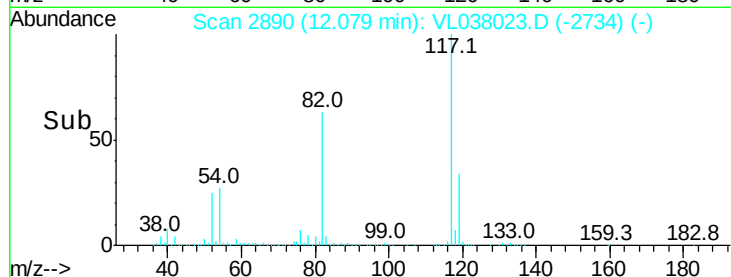
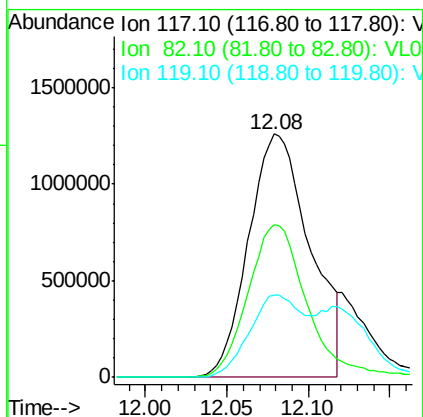
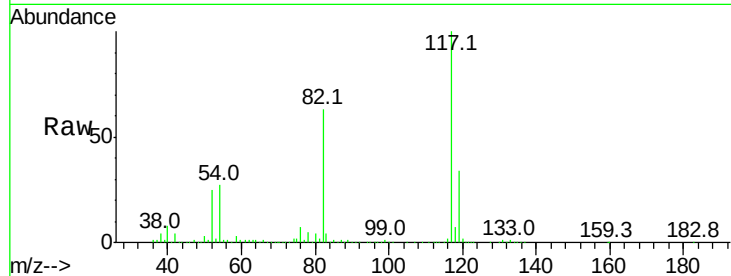


#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Nov 2021 1:47

Tot Ion:1
Ion Rati
117 100
82 62.
119 55.

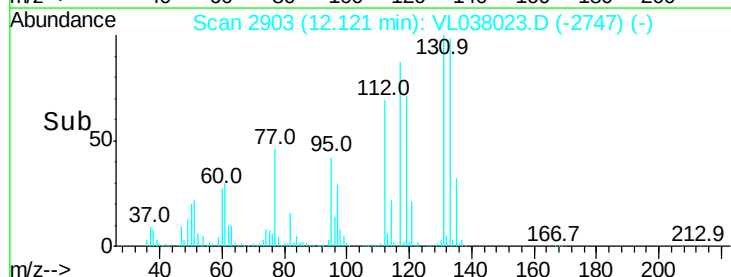
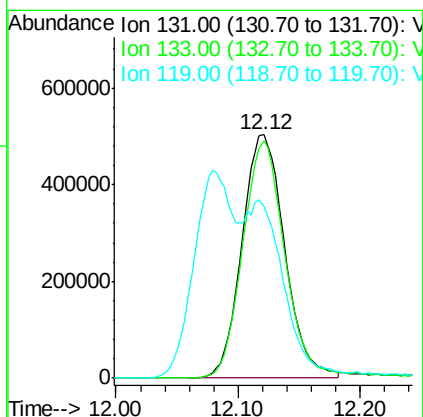
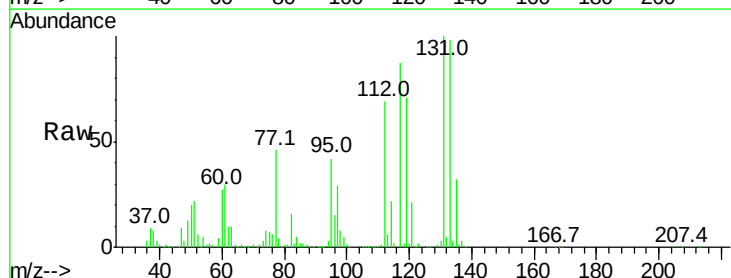
Manual Integrations
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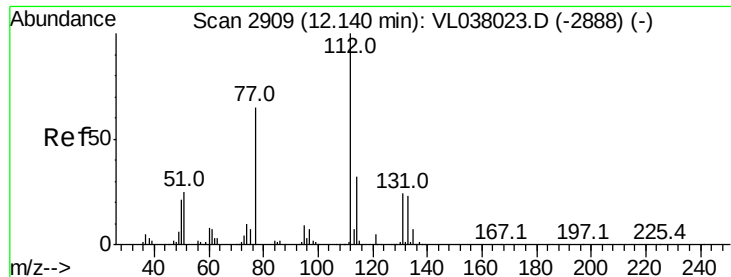
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 9.161 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion:131 Resp: 1218006
Ion Ratio Lower Upper
131 100
133 99.3 77.8 116.8
119 153.0 121.1 181.7



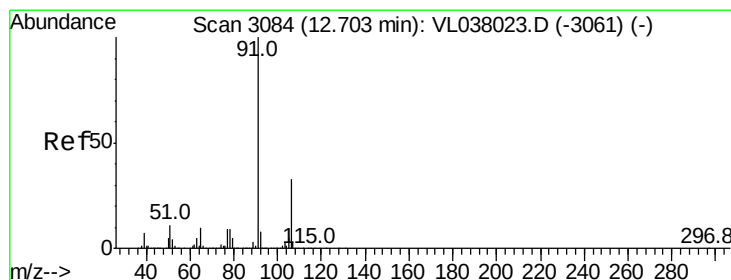
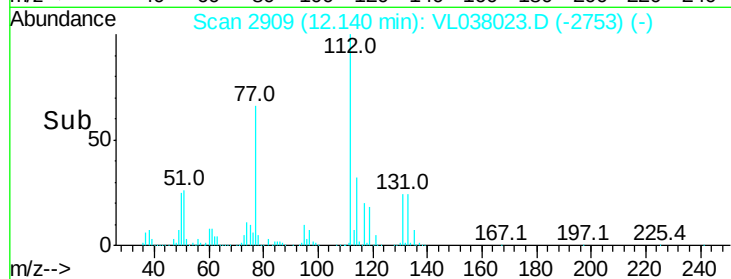
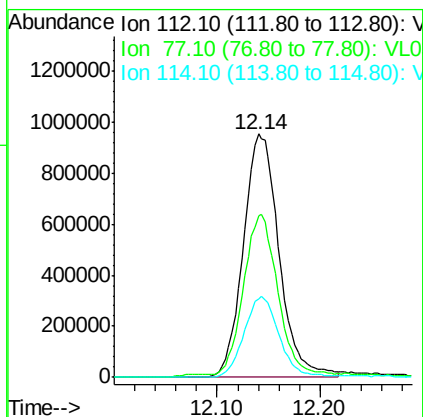
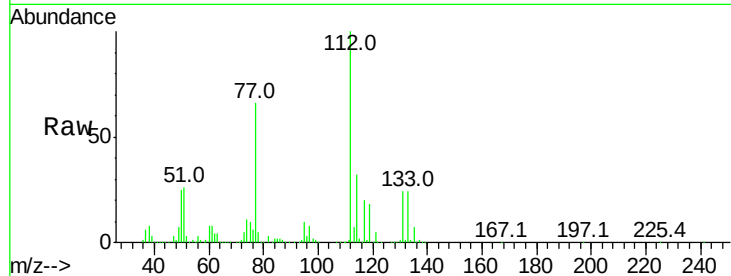


#57
Chlorobenzene
Concen: 8.781 ppbv
RT: 12.14 min
Delta R.T. 0.00 min
Lab File: VSTDICCC010
Acq: 16 Nov 2021 1:47

Tot Ion: 1
Ion Ratio
112 100
77 65.
114 32.

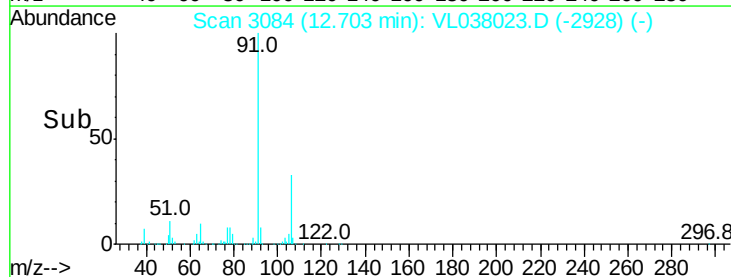
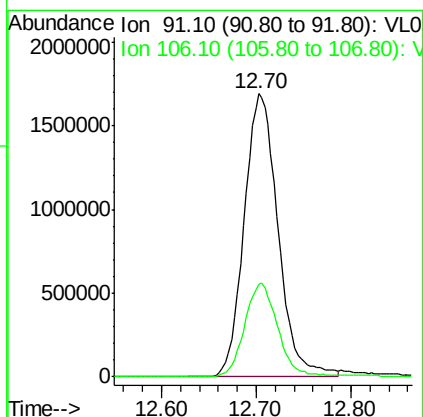
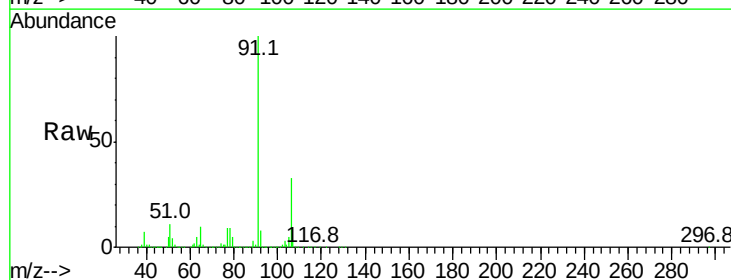
Manual Integrations
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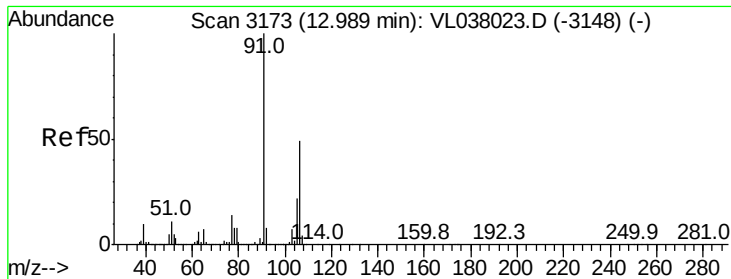
Reviewed By : Semsettin Yesilyurt 11/17/2021
Supervised By : Mahesh Dadoda 11/17/2021



#58
Ethyl Benzene
Concen: 10.350 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 91 Resp: 4200831
Ion Ratio Lower Upper
91 100
106 32.7 26.2 39.2



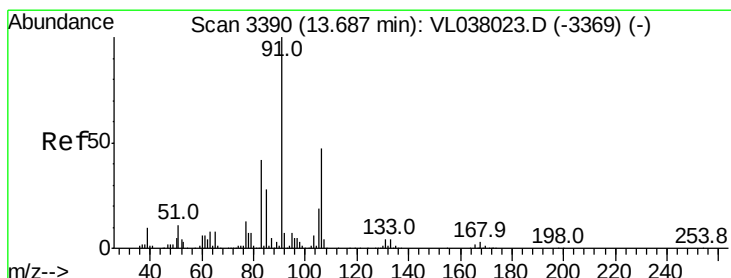
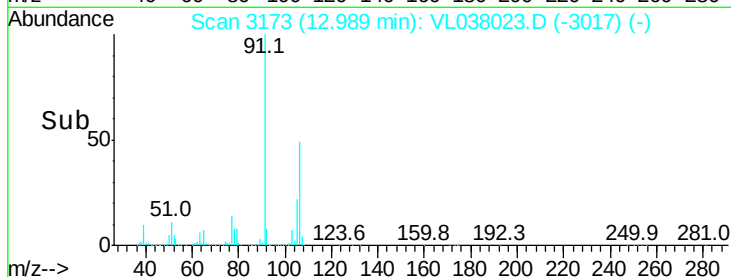
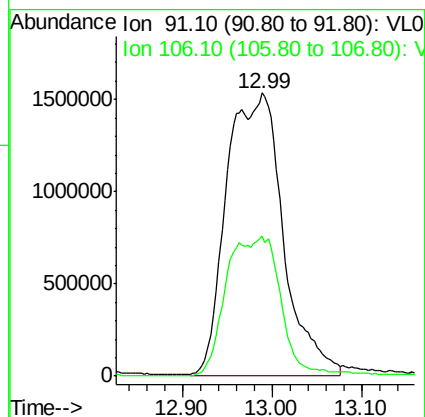
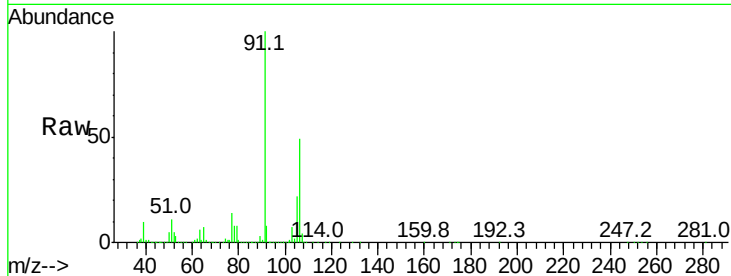


#59
m/p-Xylene
Concen: 18.944 ppbv m
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampleId : VSTDICCC010
Acq: 16 Nov 2021 1:47

Tot Ion:
Ion Ratio
91 100
106 48.

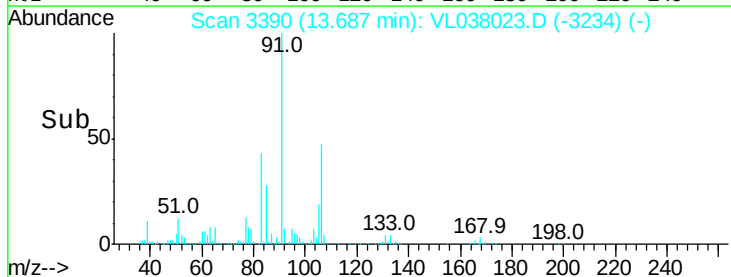
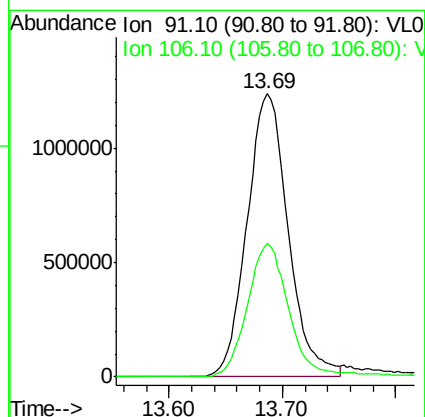
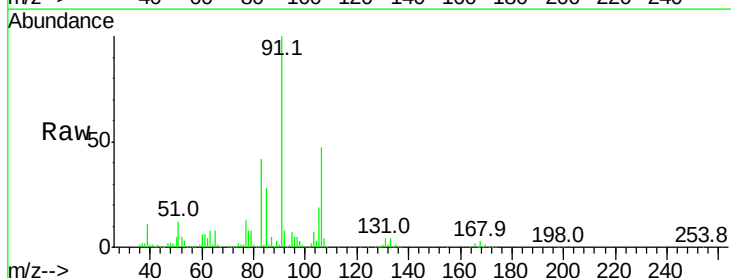
Manual Integrations
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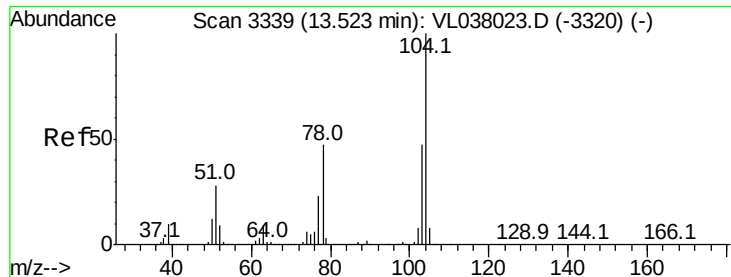
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#60
o-Xylene
Concen: 9.323 ppbv
RT: 13.69 min Scan# 3390
Delta R.T.: 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 91 Resp: 3126176
Ion Ratio Lower Upper
91 100
106 48.8 24.2 72.6





#61

Stvrene

Concen: 12.234 ppbv

RT: 13.52

Delta R.T.

Lab File:

Acq: 16 Nov 2021

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

1.47

Tot Ion:1

Ion Rati

104 100

78 48.

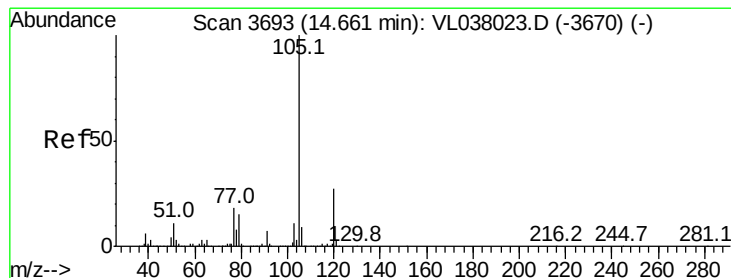
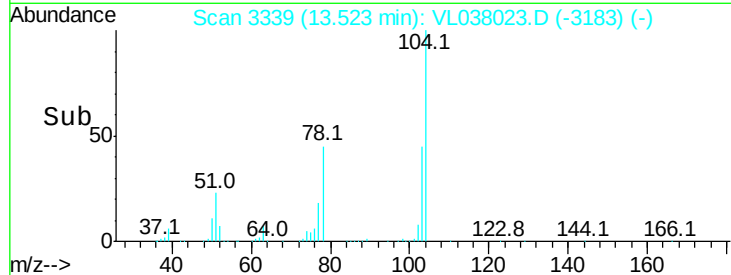
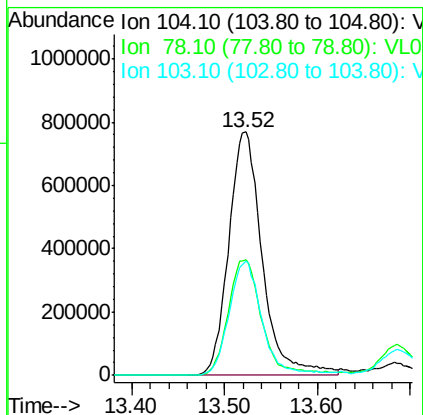
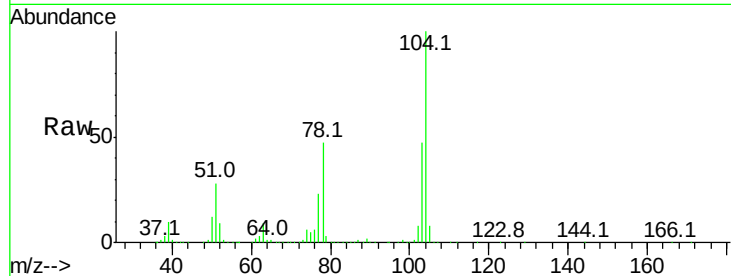
103 45.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#62

Isopropylbenzene

Concen: 9.427 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VL038023.D

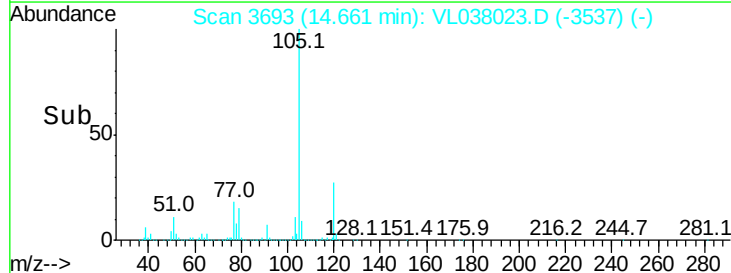
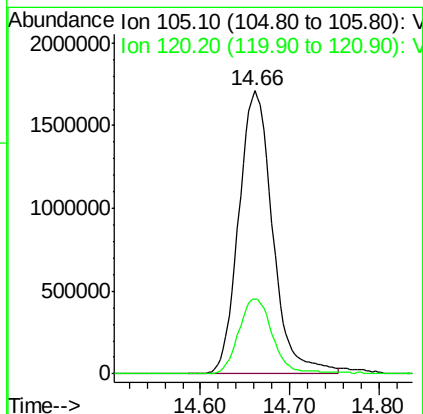
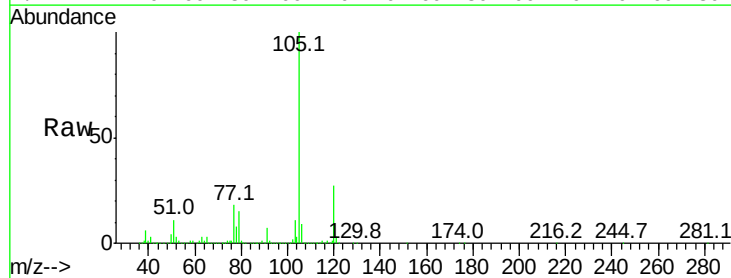
Acq: 16 Nov 2021 1:47

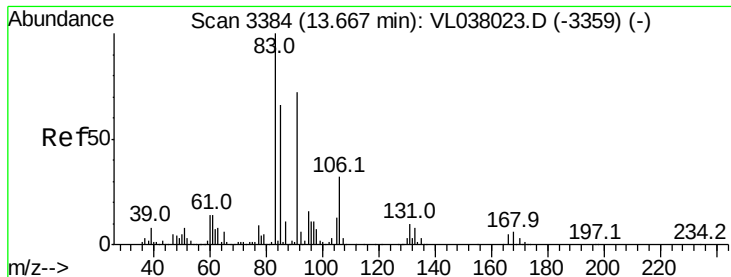
Tgt Ion:105 Resp: 4518172

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 7.567 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021

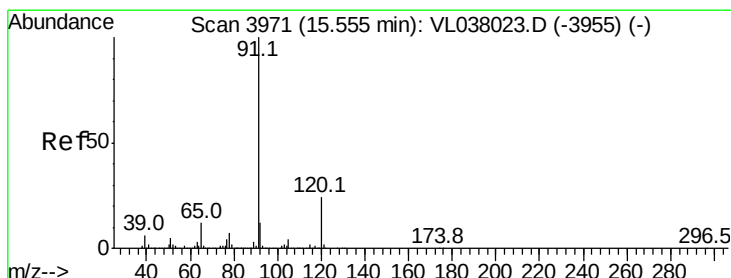
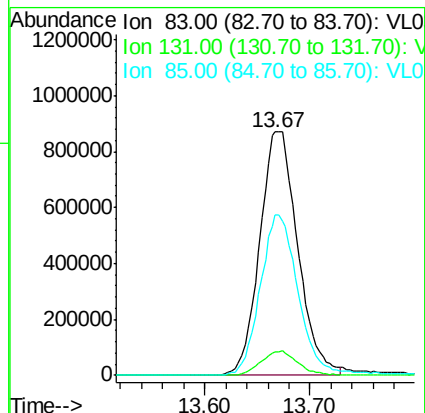
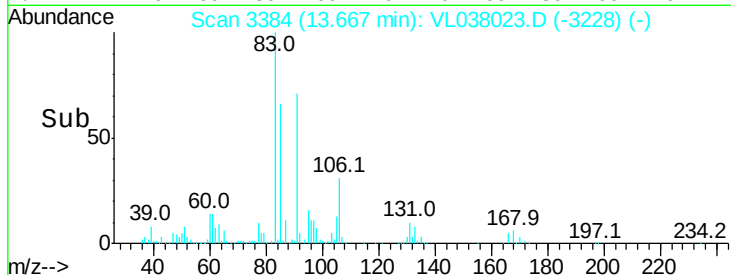
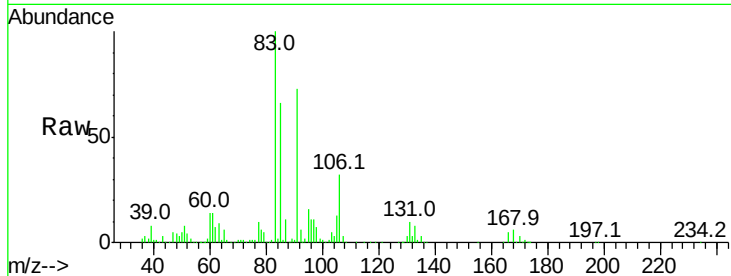
Tot Ion:

Ion Ratio

83 100

131 9.

85 66.



#64

n-propylbenzene

Concen: 9.661 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL038023.D

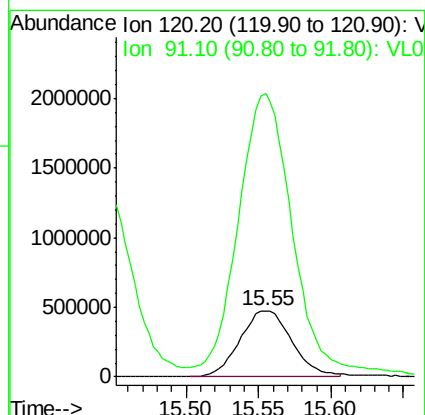
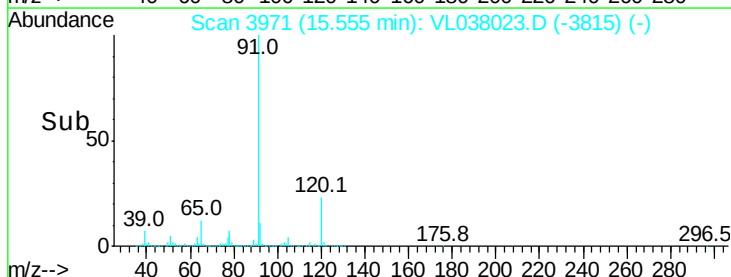
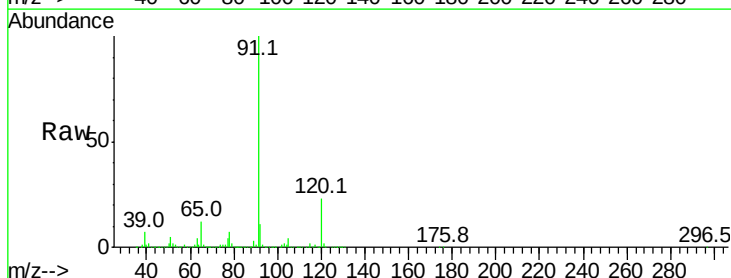
Acq: 16 Nov 2021 1:47

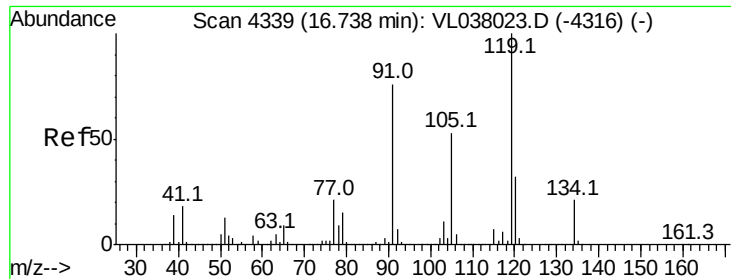
Tgt Ion:120 Resp: 1177653

Ion Ratio Lower Upper

120 100

91 458.4 367.4 551.0



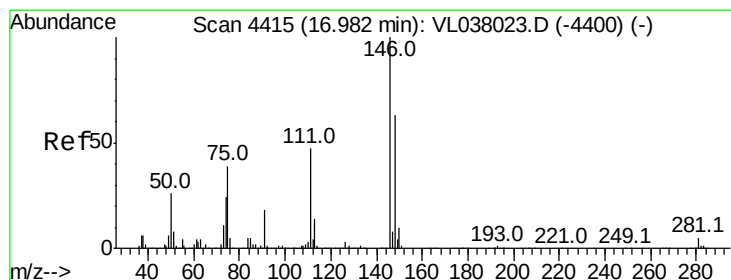
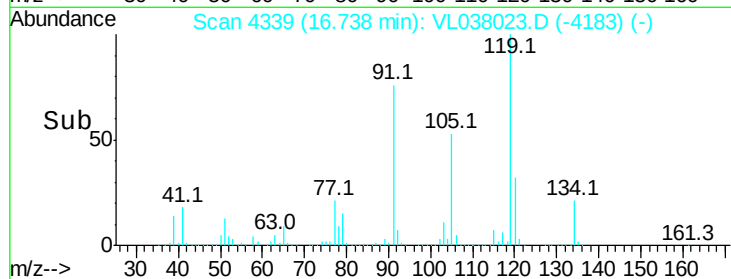
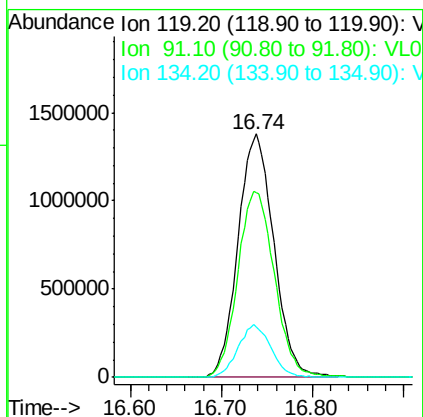
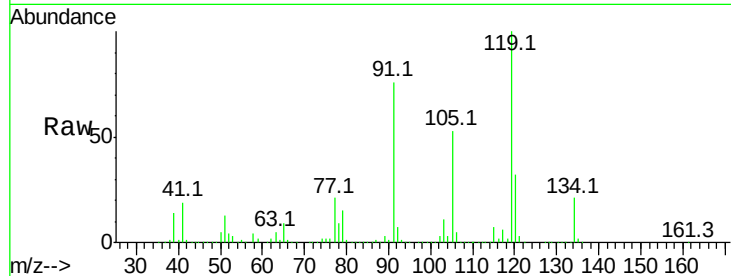


#65
tert-Butylbenzene
Concen: 8.973 ppbv
RT: 16.74 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDICCC010
Acq: 16 Nov 2021 1:47

Tot Ion: 1
Ion Ratio
119 100
91 78.
134 20.

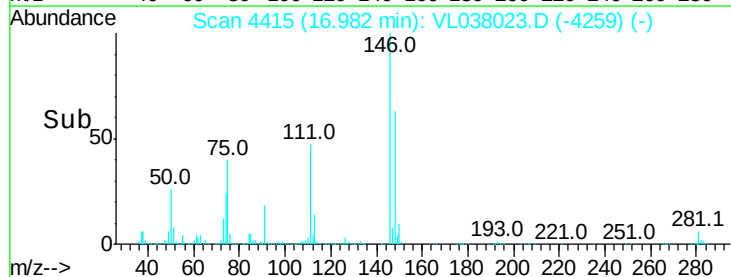
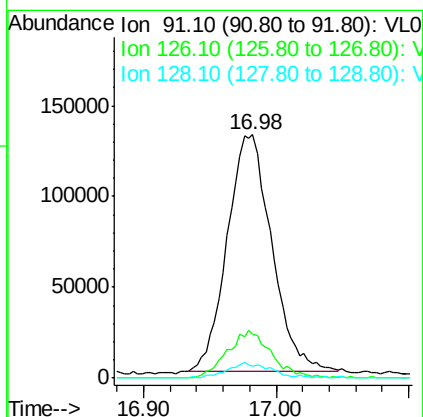
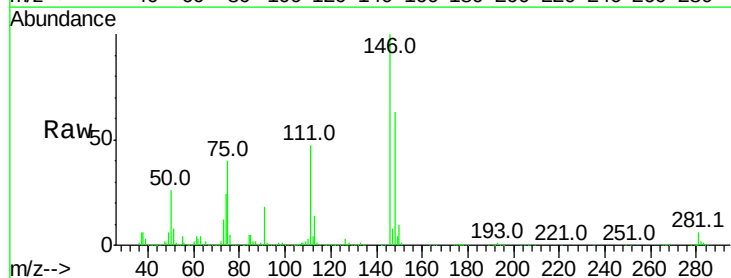
Manual Integrations
APPROVED

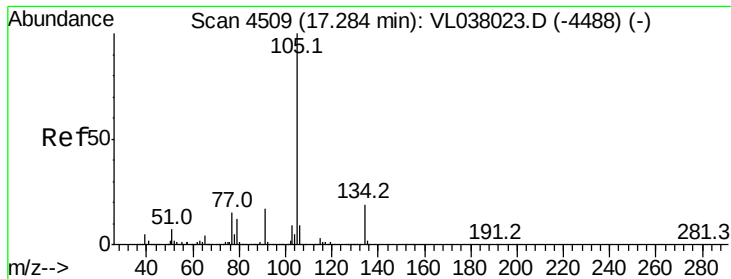
Reviewed By : Semsettin Yesilyurt 11/17/2021
Supervised By : Mahesh Dadoda 11/17/2021



#66
Benzyl Chloride
Concen: 13.219 ppbv
RT: 16.98 min Scan# 4415
Delta R.T.: 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion: 91 Resp: 302482
Ion Ratio Lower Upper
91 100
126 20.5 16.4 24.6
128 7.0 5.6 8.4



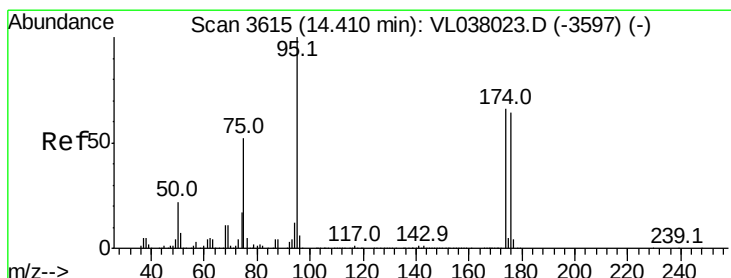
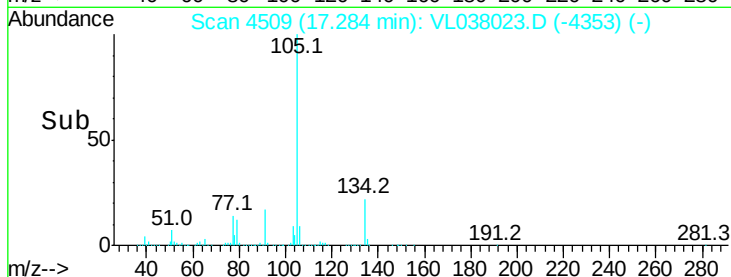
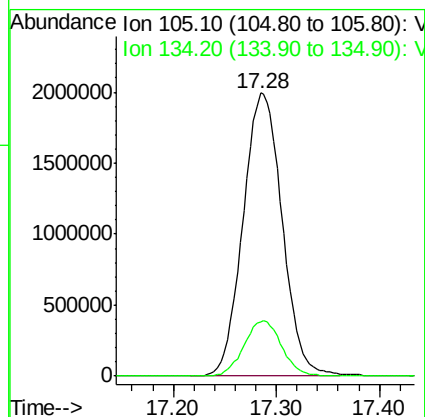
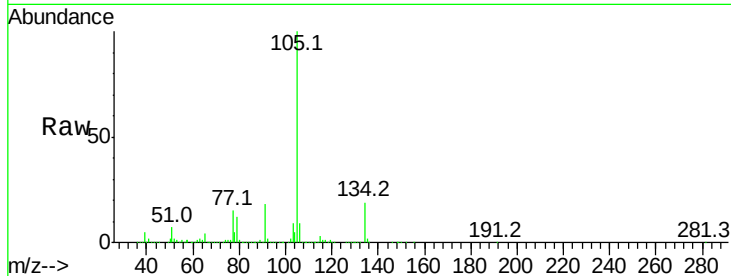


#67
 sec-Butylbenzene
 Concen: 9.045 ppbv
 RT: 17.28
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 1:47

Tot Ion: 1
 Ion Ratio
 105 100
 134 19.

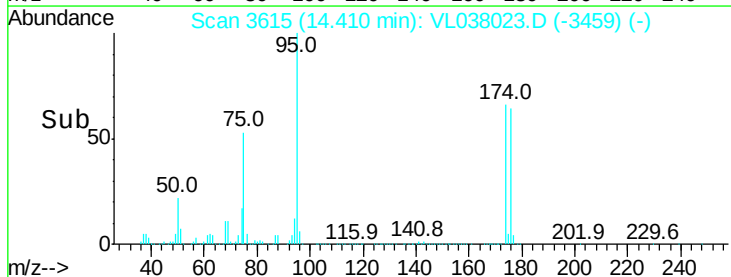
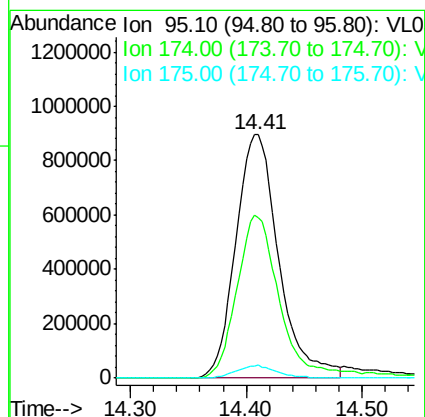
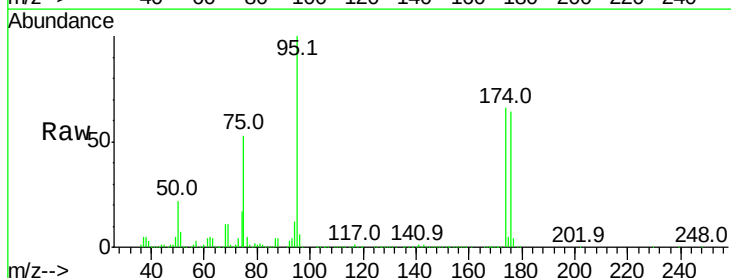
Manual Integrations
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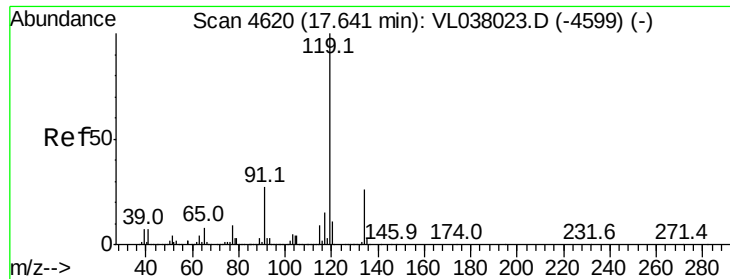
Reviewed By : Semsettin Yesilyurt 11/17/2021
 Supervised By : Mahesh Dadoda 11/17/2021



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.733 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion: 95 Resp: 2310493
 Ion Ratio Lower Upper
 95 100
 174 68.8 54.9 82.3
 175 5.2 4.0 6.0



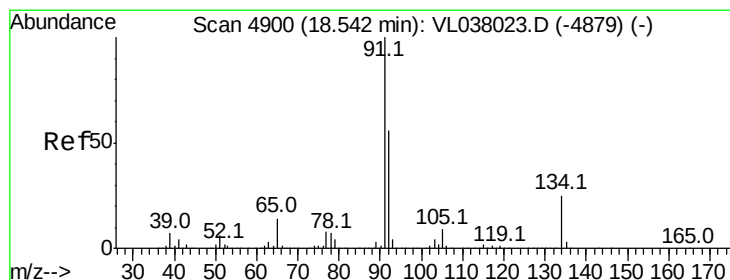
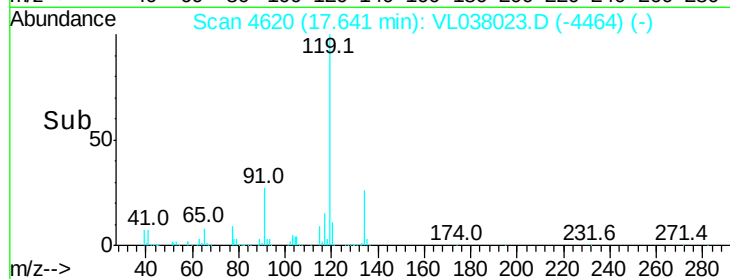
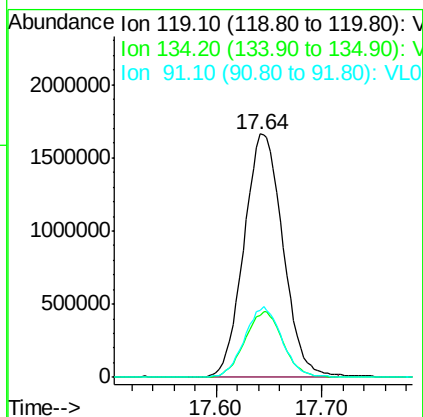
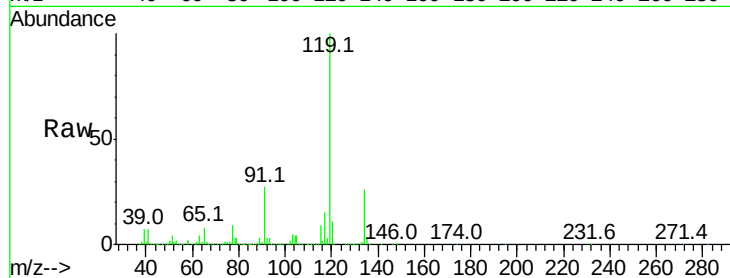


#69
 p-Isopropyltoluene
 Concen: 9.226 ppbv
 RT: 17.64 min
 Delta R.T.: 0.00 min
 Lab File: VSTDICCC010
 Acq: 16 Nov 2021 1:47

Tot Ion: 1
 Ion Ratio
 119 100
 134 26.1
 91 27.1

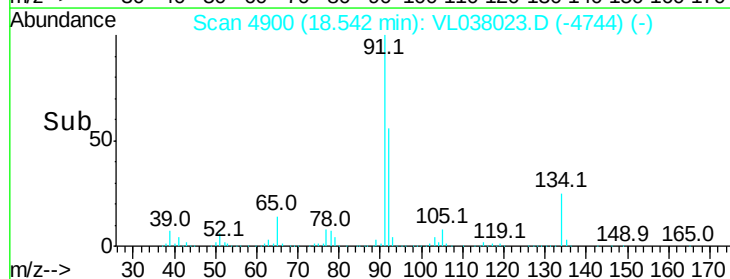
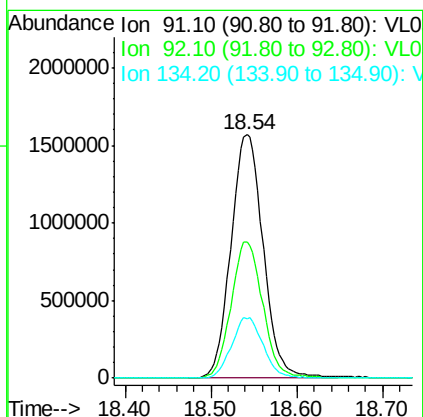
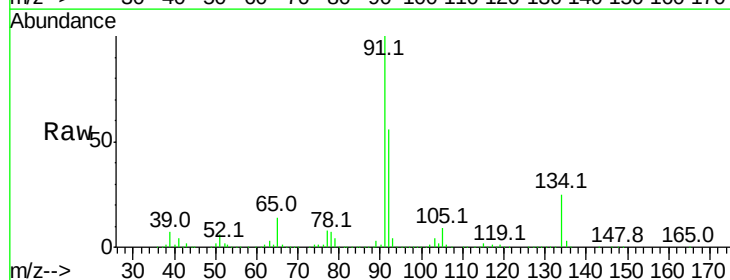
Manual Integrations
 APPROVED

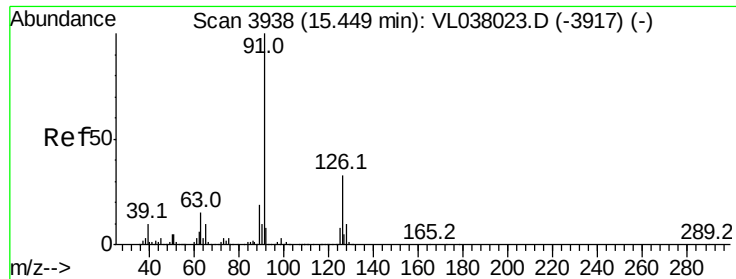
Reviewed By : Semsettin Yesilyurt 11/17/2021
 Supervised By : Mahesh Dadoda 11/17/2021



#70
 n-Butylbenzene
 Concen: 9.587 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T.: 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion: 91 Resp: 4084746
 Ion Ratio Lower Upper
 91 100
 92 55.5 44.2 66.2
 134 24.6 19.7 29.5





#71

2-Chlorotoluene

Concen: 9.743 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 1:47

Tot Ion:

Ion Ratio

91 100

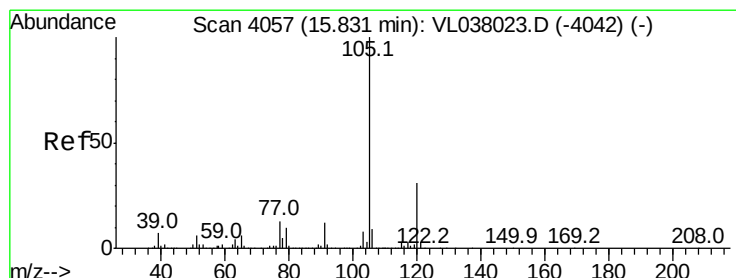
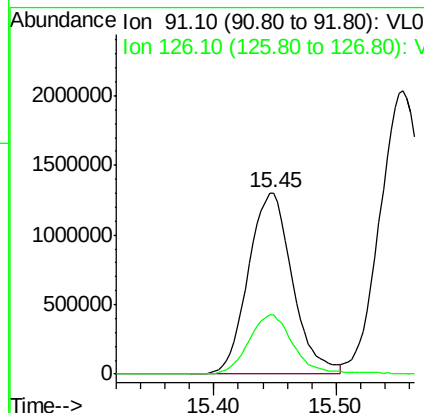
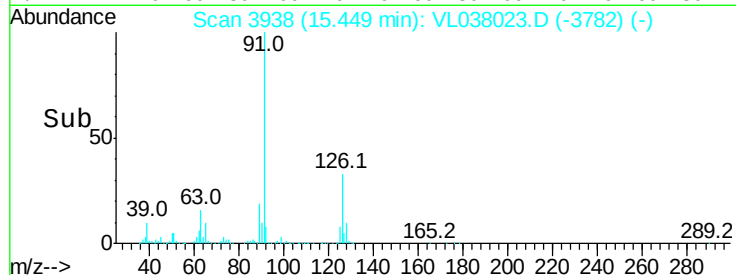
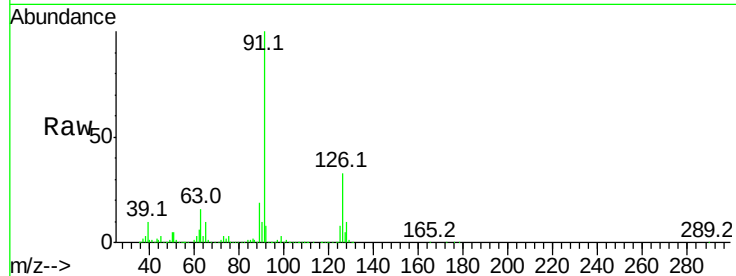
126 33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#72

4-Ethyltoluene

Concen: 10.004 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

Tgt Ion:105 Resp: 3883612

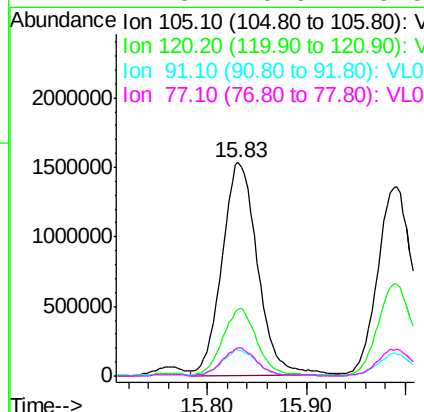
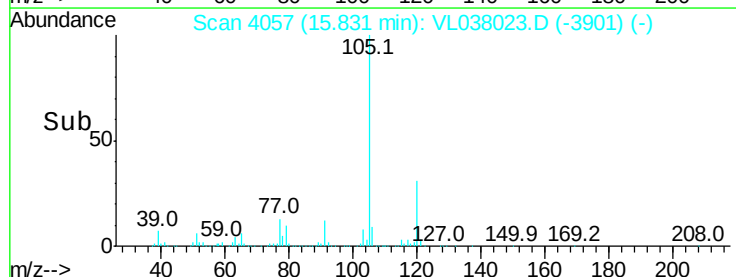
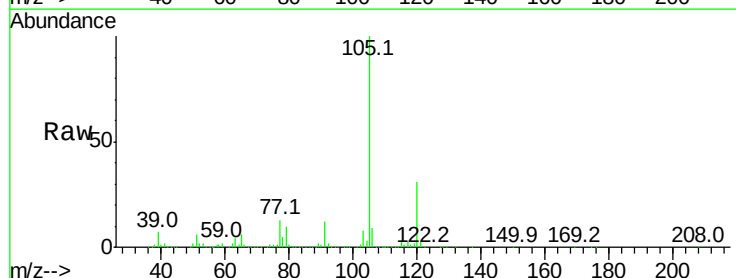
Ion Ratio Lower Upper

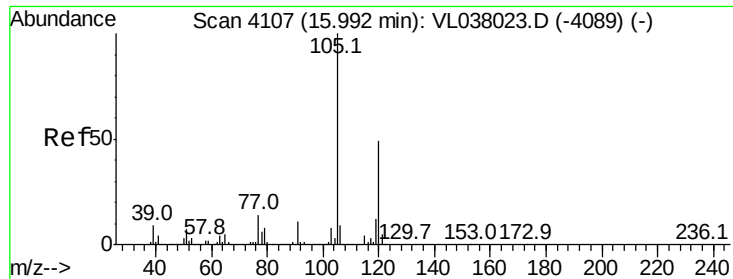
105 100

120 30.9 24.6 36.8

91 11.6 9.3 13.9

77 12.8 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 9.439 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

Tot Ion:1

Ion Rati

105 100

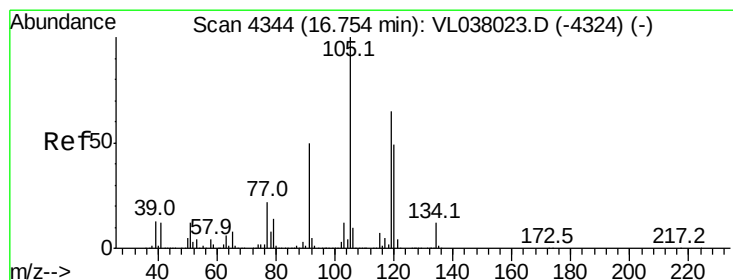
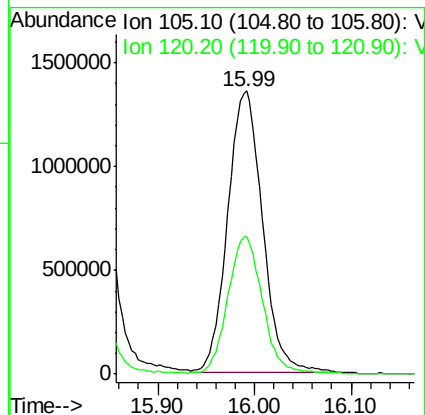
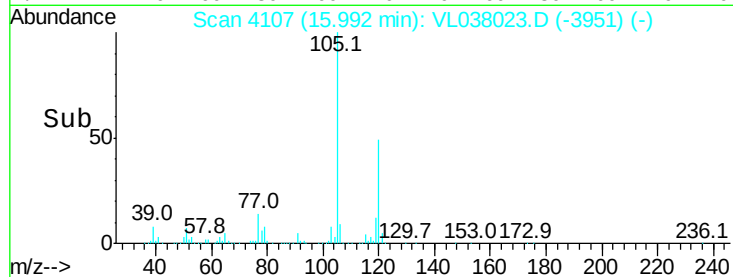
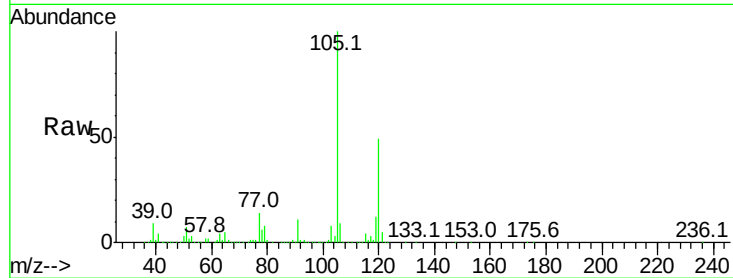
120 48.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#74

1,2,4-Trimethylbenzene

Concen: 8.943 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

Tgt Ion:105 Resp: 3360404

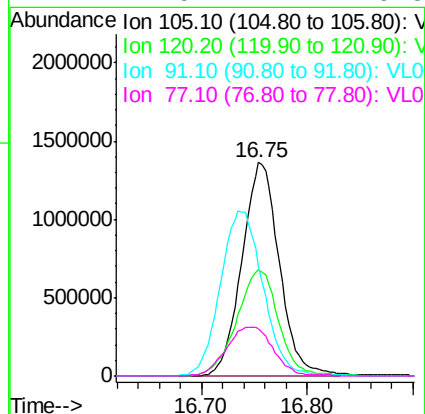
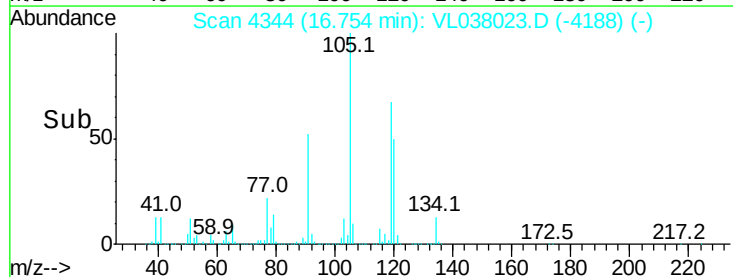
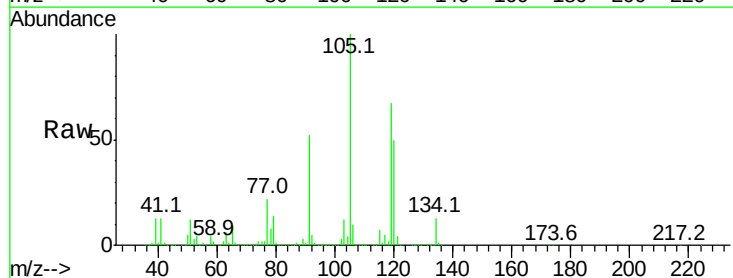
Ion Ratio Lower Upper

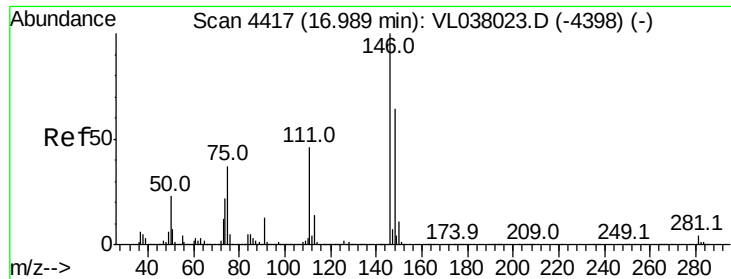
105 100

120 49.4 39.5 59.3

91 51.1 40.9 61.3

77 21.5 17.2 25.8



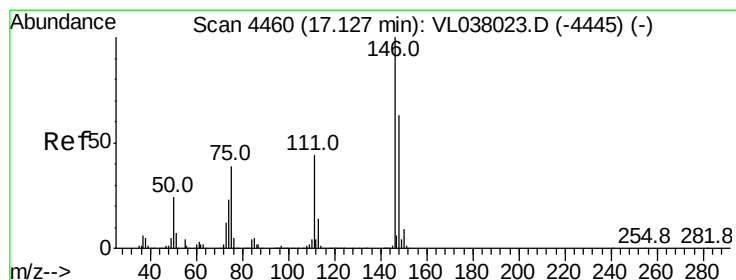
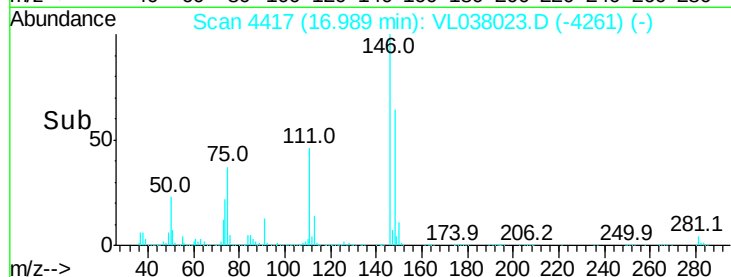
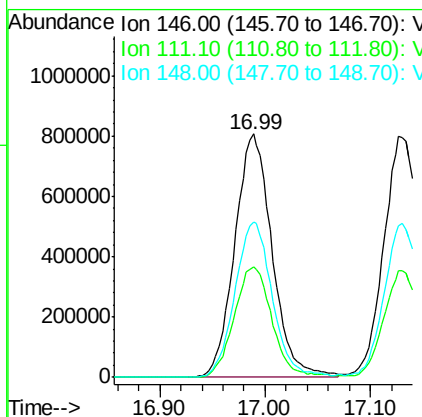
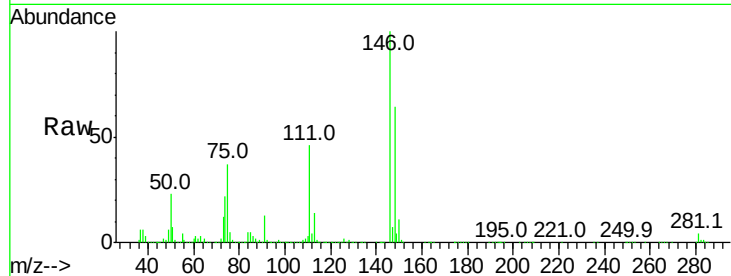


#75
 1,3-Dichlorobenzene
 Concen: 8.517 ppbv
 RT: 16.99 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 1:47

Tot Ion:1
 Ion Rati
 146 100
 111 46.
 148 64.

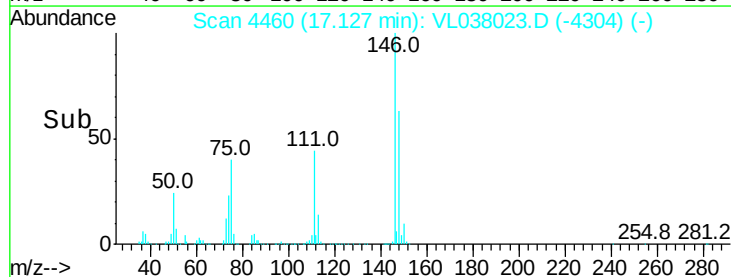
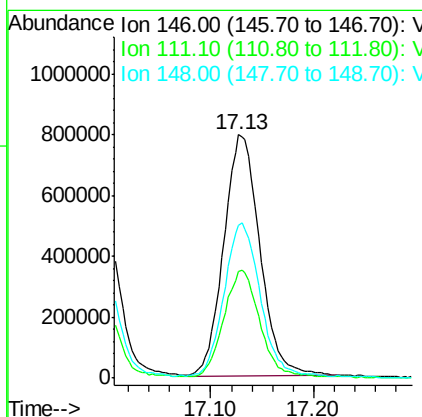
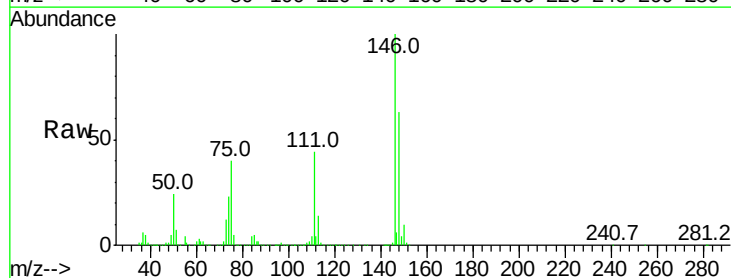
Manual Integrations
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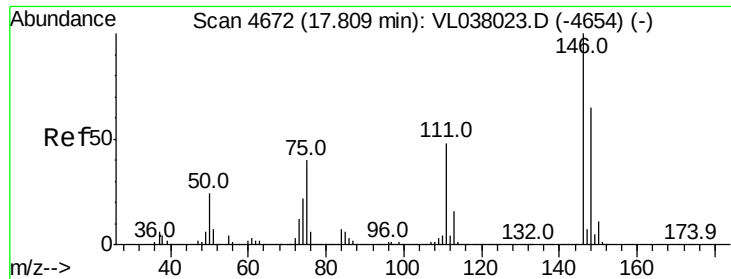
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#76
 1,4-Dichlorobenzene
 Concen: 8.641 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.00 min
 Lab File: VL038023.D
 Acq: 16 Nov 2021 1:47

Tgt Ion:146 Resp: 1953590
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.5 67.5
 148 64.8 32.6 98.0





#77

1,2-Dichlorobenzene

Concen: 8.371 ppbv

RT: 17.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 1:47

Tot Ion:1

Ion Rati

146 100

111 48.

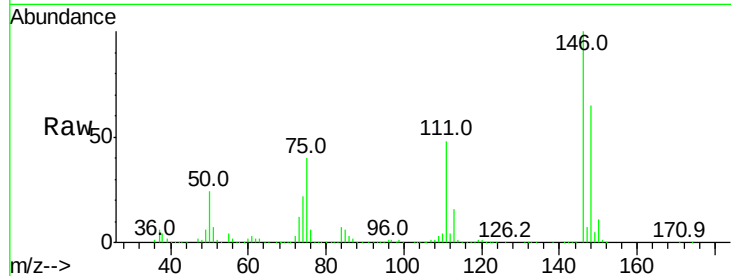
148 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

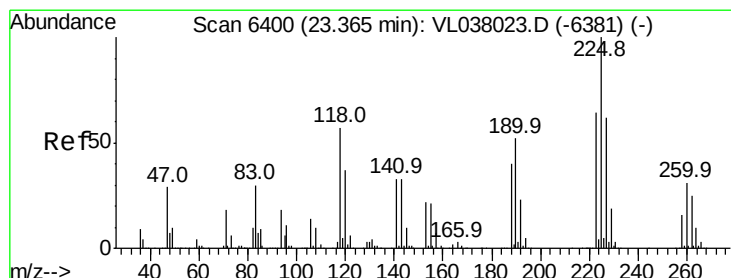
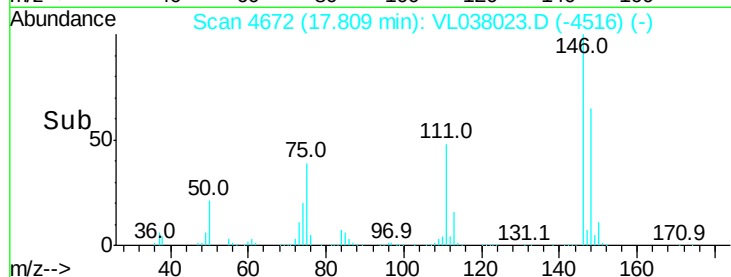
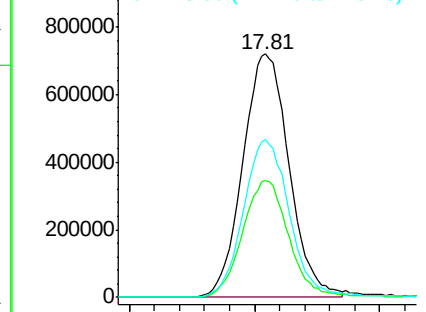
Supervised By :Mahesh Dadoda 11/17/2021



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 5.761 ppbv

RT: 23.36 min Scan# 6400

Delta R.T. 0.00 min

Lab File: VL038023.D

Acq: 16 Nov 2021 1:47

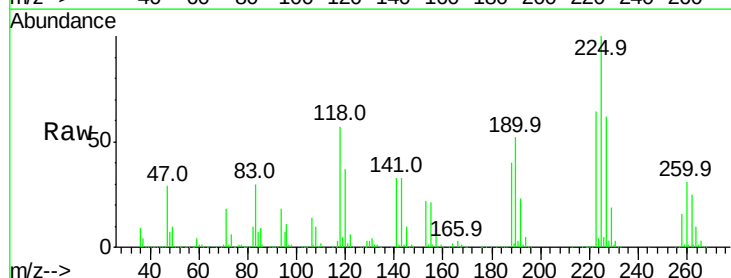
Tgt Ion:225 Resp: 1040286

Ion Ratio Lower Upper

225 100

223 63.7 51.0 76.4

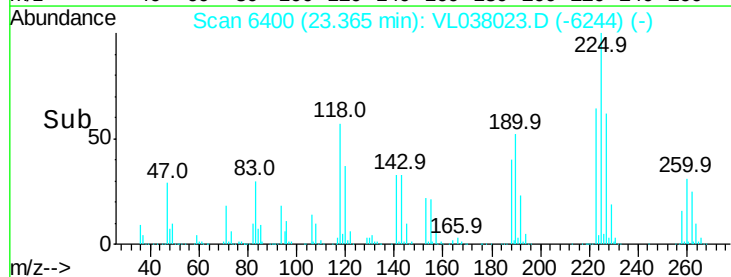
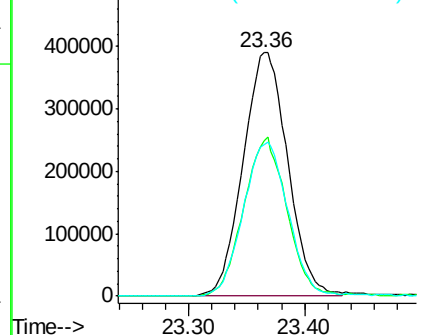
227 64.3 51.4 77.2

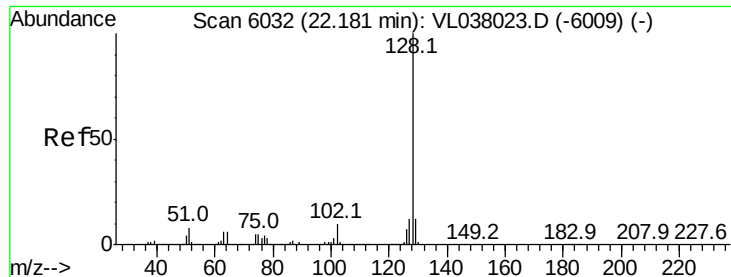


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



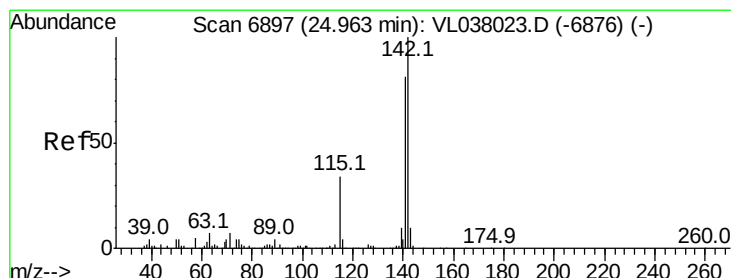
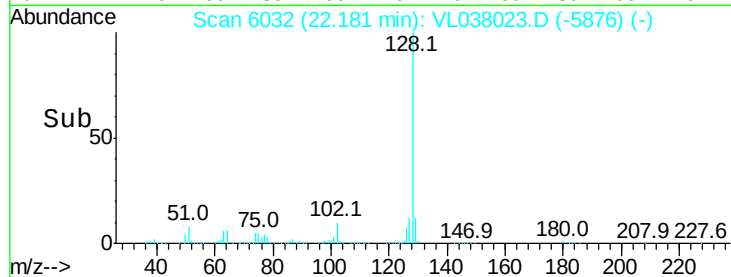
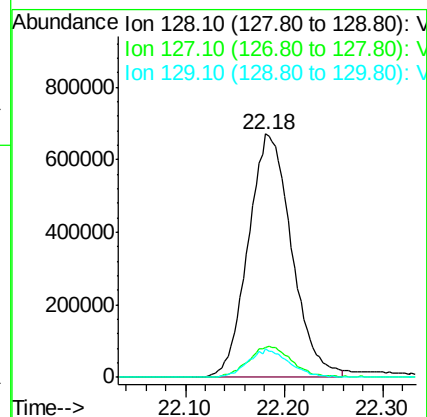
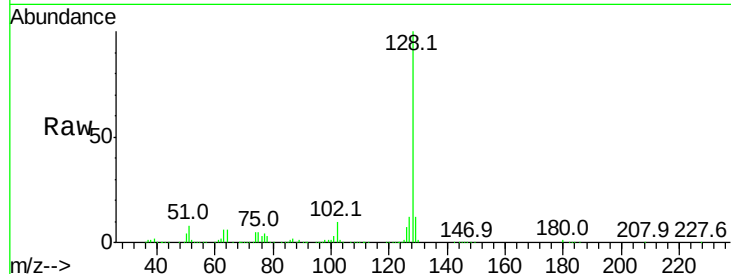


#79
Naphthalene
Concen: 9.886 ppbv
RT: 22.18 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 1:47

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

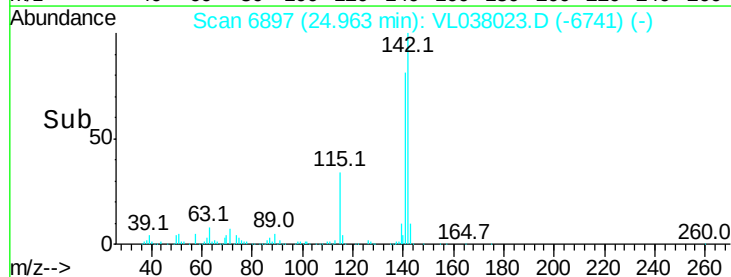
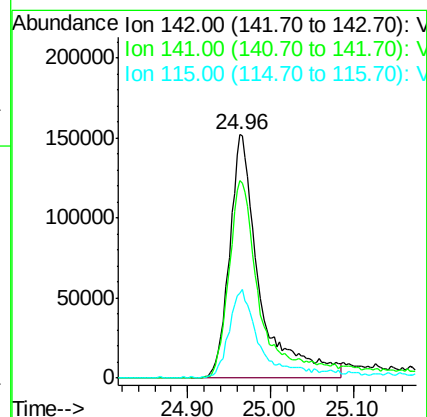
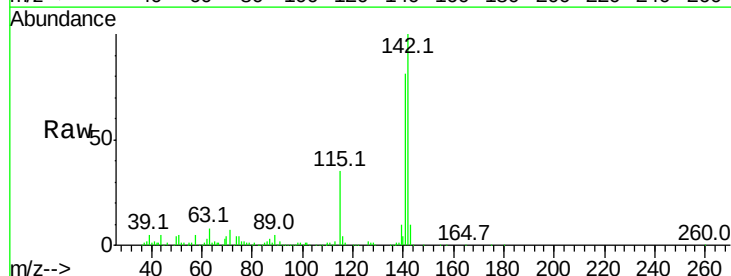
Manual Integrations
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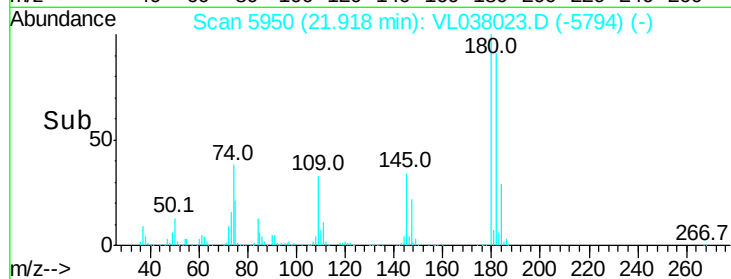
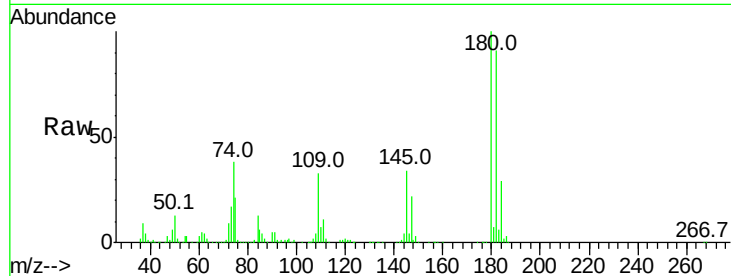
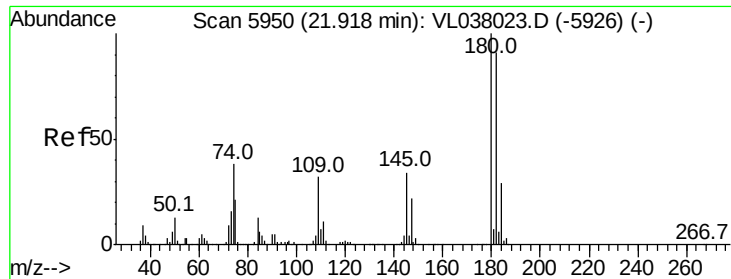
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#80
Naphthalene, 2-methyl-
Concen: 10.947 ppbv m
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL038023.D
Acq: 16 Nov 2021 1:47

Tgt Ion:142 Resp: 390105
Ion Ratio Lower Upper
142 100
141 95.3 73.4 110.0
115 36.5 28.1 42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.168 ppbv m
 RT: 21.92
 Delta R.T.
 Lab File: VSTDICCC010
 Acq: 16 Nov 2021 1.47

Tot Ion:1
 Ion Rati
 180 100
 182 95.
 184 30.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021

