

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101821\
 Data File : VL037853.D
 Acq On : 18 Oct 2021 14:46
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Quant Time: Oct 19 08:40:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 10/25/2021
 Supervised By : Mahesh Dadoda 10/27/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1359042	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4074546	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3508288m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2713465	11.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1553662	7.157 ppbv	99
3) Chlorodifluoromethane	3.00	51	2535396	9.709 ppbv	99
4) Chloromethane	3.15	50	963488	10.074 ppbv	98
5) Vinyl Chloride	3.27	62	966892	11.028 ppbv	98
6) Bromomethane	3.48	94	492486	10.384 ppbv	99
7) Chloroethane	3.56	64	333861	10.356 ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	2157527	10.056 ppbv	99
9) Propene	3.02	41	920746	9.583 ppbv	99
10) Heptane	8.13	43	2322285	10.642 ppbv	100
11) Trichlorofluoromethane	3.96	101	1988606	10.268 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1522388	10.374 ppbv	100
13) Ethanol	3.62	45	97888m	12.458 ppbv	
14) Bromoethene	3.75	108	695848	10.785 ppbv	93
15) Acetone	3.86	43	1136665	9.317 ppbv	99
16) 1,3-Butadiene	3.34	39	914220	10.299 ppbv	97
17) tert-Butyl alcohol	4.29	59	1234101	9.822 ppbv	100
18) 1,1-Dichloroethene	4.30	96	695536	10.430 ppbv	97
19) Isopropyl Alcohol	3.97	45	785969m	10.355 ppbv	
20) Methylene Chloride	4.35	84	578710	9.388 ppbv	97
21) Allyl Chloride	4.42	41	1081185	10.003 ppbv	97
22) trans-1,2-Dichloroethene	4.90	96	696065	10.382 ppbv	98
23) Vinyl Acetate	5.08	43	1786389	9.771 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1431122	10.753 ppbv	99
25) Ethyl Acetate	5.69	43	3600565	10.517 ppbv	99
26) Hexane	5.70	57	1692627	10.041 ppbv	99
27) Carbon Disulfide	4.56	76	1721459	11.523 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1422246	10.133 ppbv	99
29) Chloroform	5.76	83	2464506	10.228 ppbv	100
30) Cyclohexane	7.14	84	1450915	10.150 ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1564013	10.220 ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2354441	10.306 ppbv	99
34) 2-Butanone	5.25	43	1586926	9.647 ppbv	100
35) Carbon Tetrachloride	7.03	117	2463423	10.646 ppbv	98
36) Benzene	6.90	78	3546144	10.190 ppbv	98
37) 1,2-Dichloroethane	6.32	62	1714818	10.464 ppbv	100
38) Trichloroethene	7.85	130	1409651	10.253 ppbv	97
39) 1,2-Dichloropropane	7.62	63	1341019	10.244 ppbv	98
40) 1,4-Dioxane	7.84	88	339632	10.368 ppbv #	100
41) Tetrahydrofuran	6.06	42	826267	10.258 ppbv	99
42) Bromodichloromethane	7.80	83	2586316	10.745 ppbv	99
43) Methyl Methacrylate	8.02	69	1256505	11.054 ppbv	98

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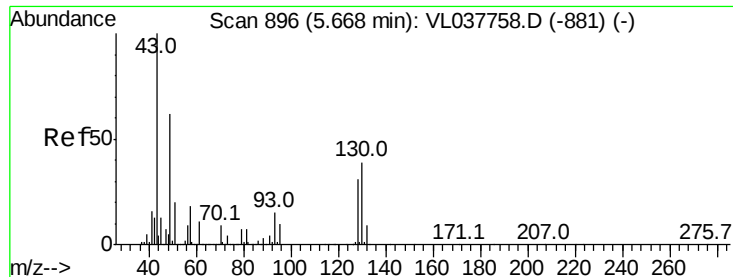
Manual Integrations
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 Supervised By : Mahesh Dadoda 10/27/2021

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5912965	10.113	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	972000	12.428	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1313547	12.116	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1449266	10.184	ppbv	97
48) Dibromochloromethane	10.32	129	2259835	11.139	ppbv	99
49) Bromoform	13.05	173	1841986	11.867	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2311917	10.797	ppbv	99
51) 2-Hexanone	10.14	43	1061904	11.108	ppbv #	99
52) Tetrachloroethene	11.23	164	1283549	9.480	ppbv	98
53) Toluene	9.82	91	4120868	10.684	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2010880	10.461	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1566979	10.789	ppbv	98
57) Chlorobenzene	12.16	112	2999453	10.422	ppbv	97
58) Ethyl Benzene	12.72	91	5247105	11.138	ppbv	100
59) m/p-Xylene	13.00	91	8676055m	21.455	ppbv	
60) o-Xylene	13.70	91	4153918	10.719	ppbv	100
61) Styrene	13.54	104	2322046	12.387	ppbv	97
62) Isopropylbenzene	14.68	105	5787128	10.706	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2986300	9.986	ppbv	99
64) n-propylbenzene	15.57	120	1516320	11.249	ppbv	100
65) tert-Butylbenzene	16.75	119	5035832	10.587	ppbv	99
66) Benzyl Chloride	17.00	91	268185	11.424	ppbv #	99
67) sec-Butylbenzene	17.30	105	7049364	10.836	ppbv	100
69) p-Isopropyltoluene	17.66	119	5795122	11.018	ppbv	100
70) n-Butylbenzene	18.56	91	5589425	11.187	ppbv	99
71) 2-Chlorotoluene	15.46	91	4163789	10.908	ppbv	100
72) 4-Ethyltoluene	15.85	105	4848040	11.017	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4377096	10.951	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4610711	10.985	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2753768	10.589	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2631587	10.608	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2661700	10.655	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1822466	8.935	ppbv	99
79) Naphthalene	22.20	128	2938773	11.432	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	621718	9.007	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	1805048	10.979	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 18 Oct 2021 14:46

Tot Ion:

Ion Ratio

49 100

128 54.

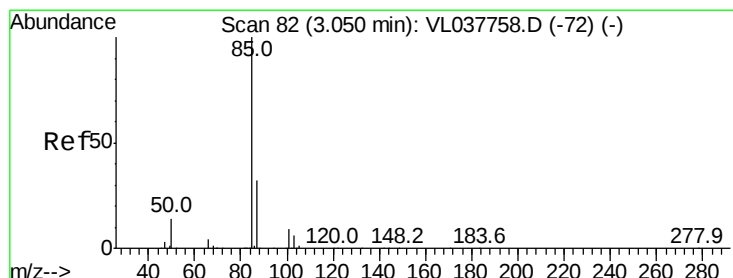
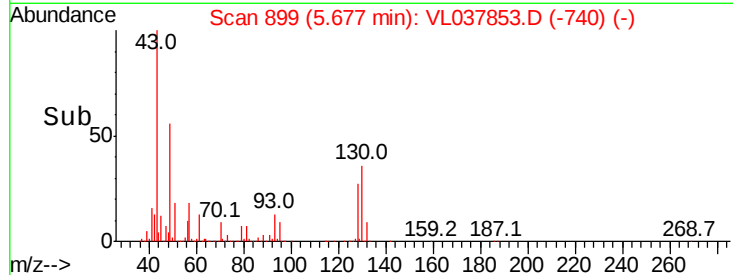
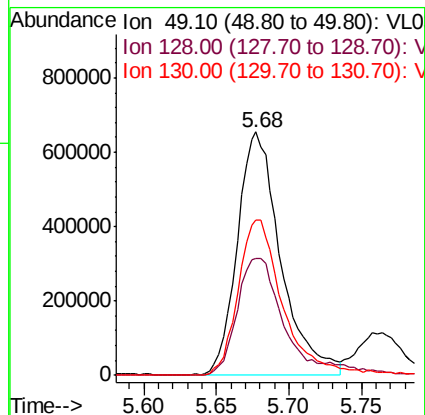
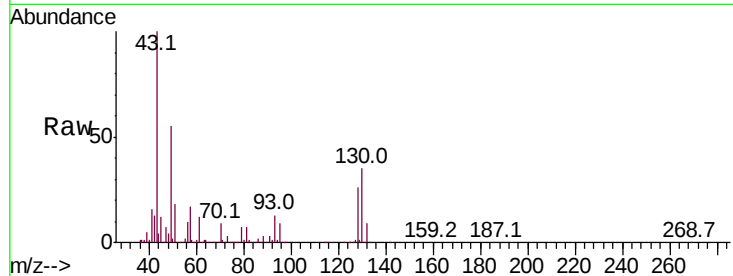
130 67.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#2

Dichlorodifluoromethane

Concen: 7.157 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037853.D

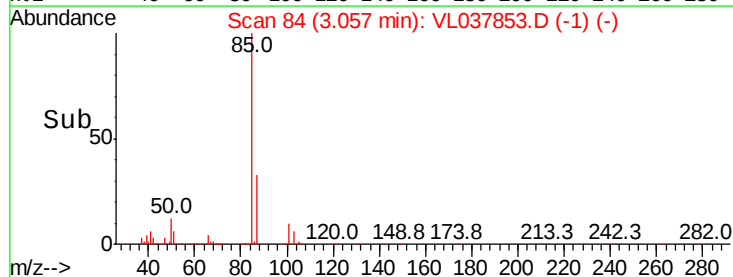
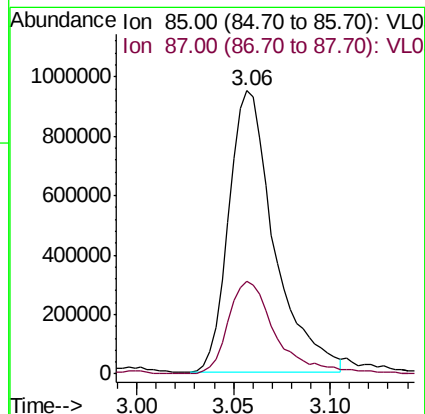
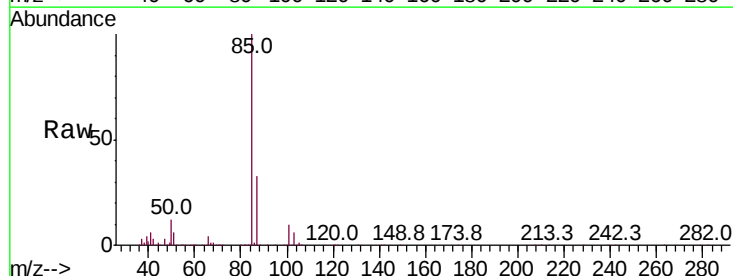
Acq: 18 Oct 2021 14:46

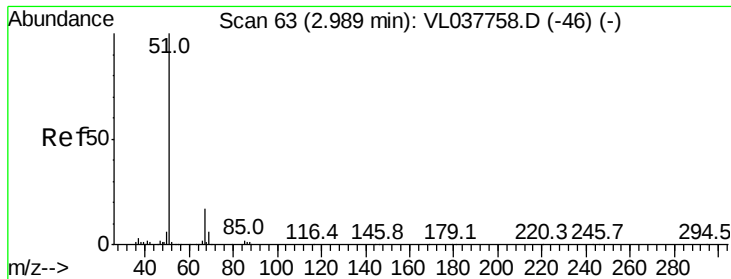
Tgt Ion: 85 Resp: 1553662

Ion Ratio Lower Upper

85 100

87 32.8 25.7 38.5





#3

Chlorodifluoromethane

Concen: 9.709 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 14:46 VSTDCCC010

Tot Ion:

Ion Ratio

51 100

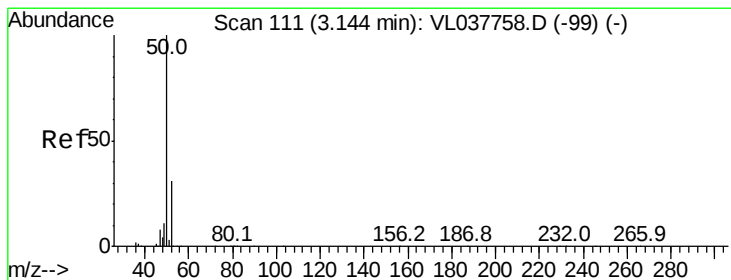
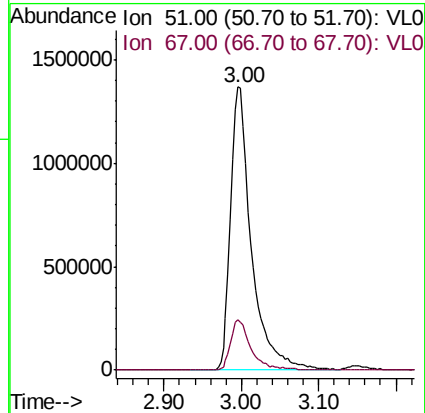
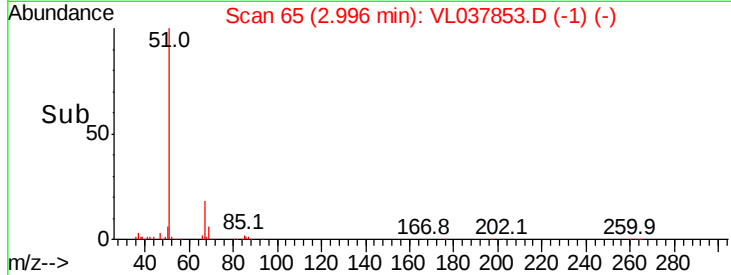
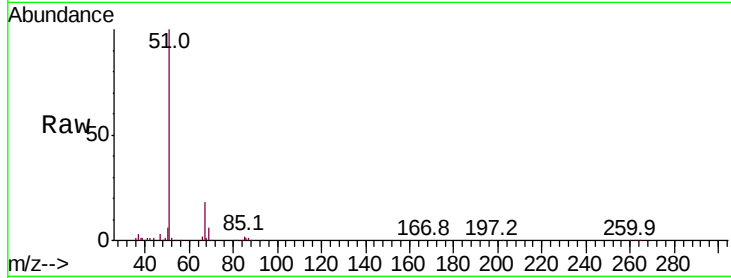
67 17.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#4

Chloromethane

Concen: 10.074 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL037853.D

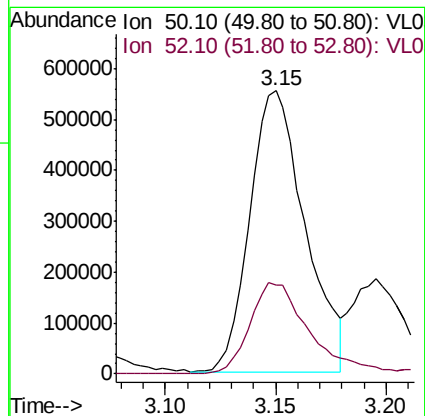
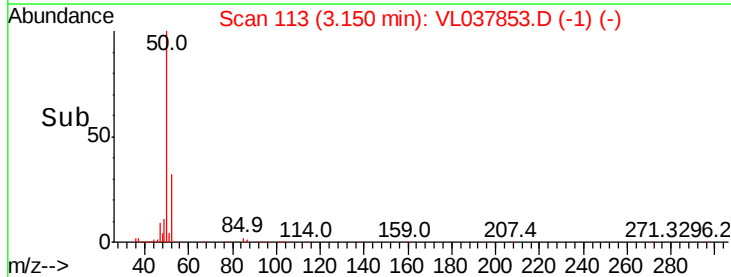
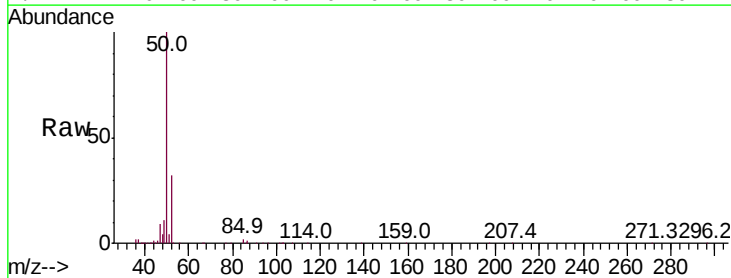
Acq: 18 Oct 2021 14:46

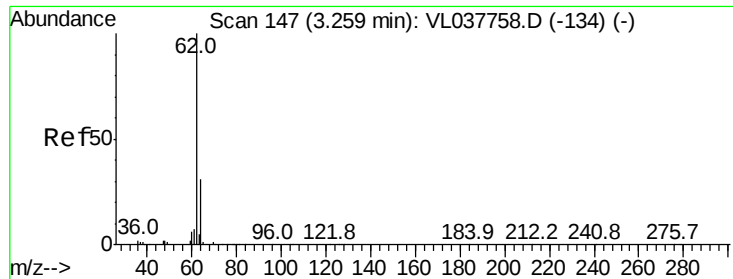
Tgt Ion: 50 Resp: 963488

Ion Ratio Lower Upper

50 100

52 31.7 24.4 36.6





#5

Vinyl Chloride

Concen: 11.028 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Oct 2021 14:48 VSTDCCC010

Tot Ion:

Ion Ratio

62 100

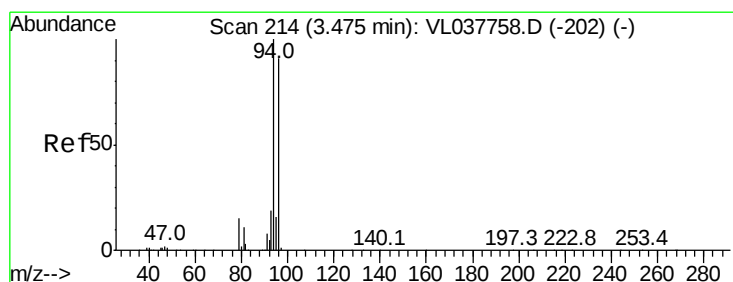
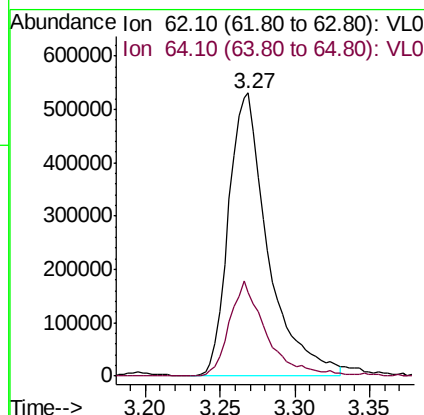
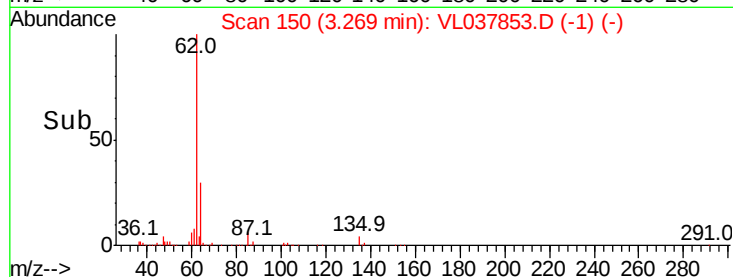
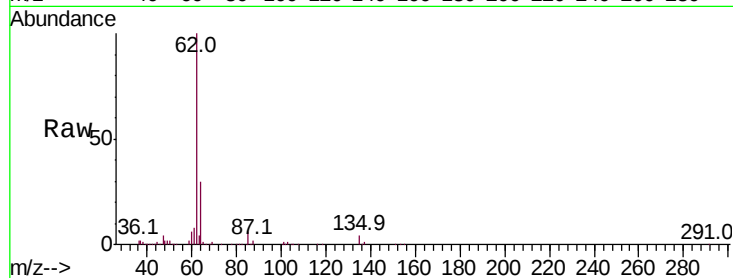
64 29.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#6

Bromomethane

Concen: 10.384 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL037853.D

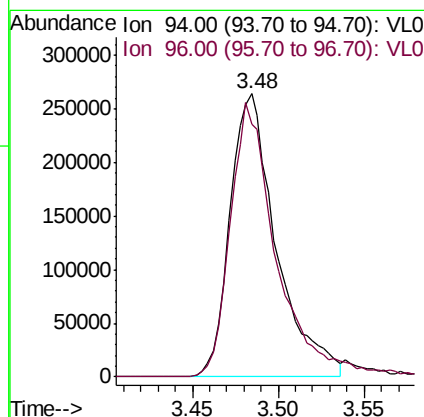
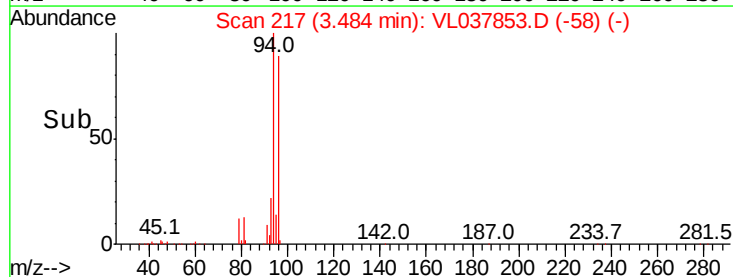
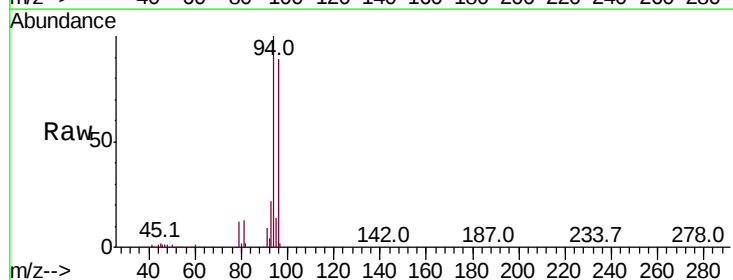
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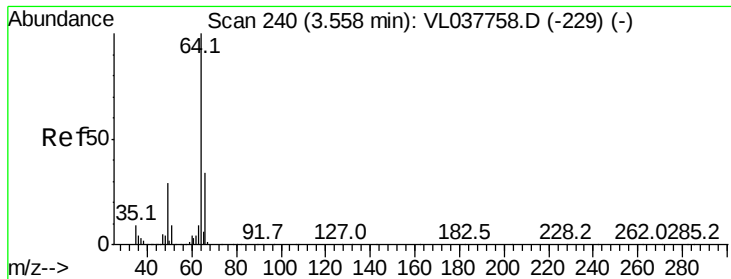
Tgt Ion: 94 Resp: 492486

Ion Ratio Lower Upper

94 100

96 89.2 72.5 108.7





#7

Chloroethane

Concen: 10.356 ppbv

RT: 3.56 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 14:46 VSTDCC010

Tot Ion:

Ion Ratio

64 100

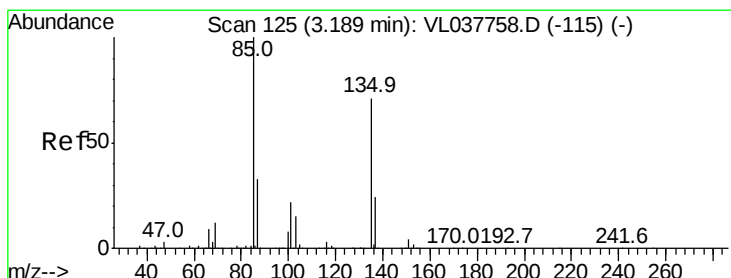
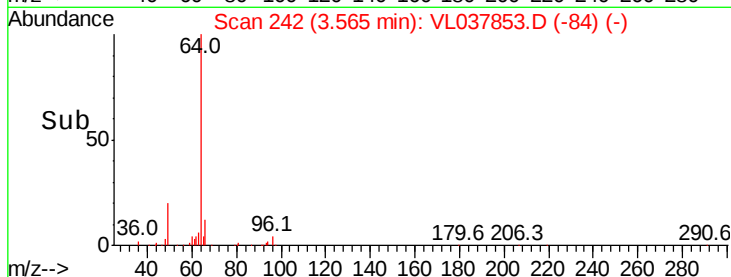
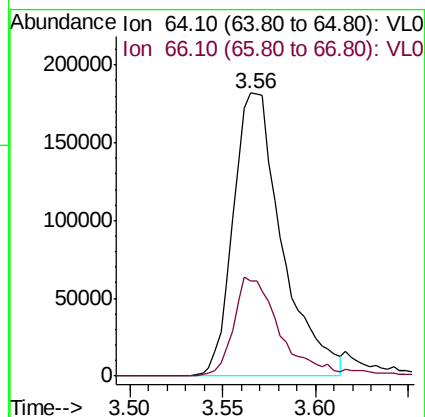
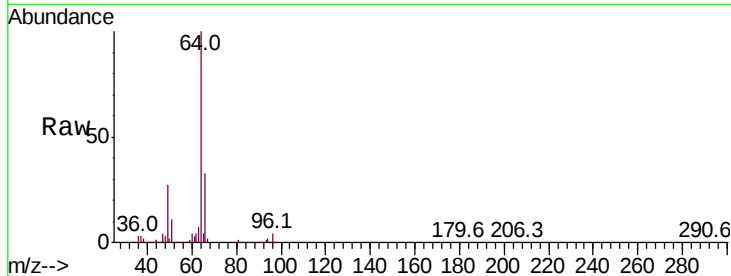
66 33.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#8

Dichlorotetrafluoroethane

Concen: 10.056 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL037853.D

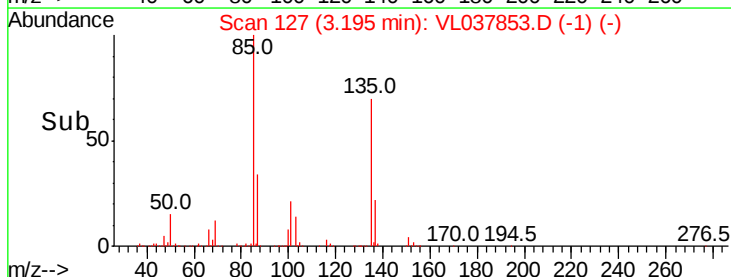
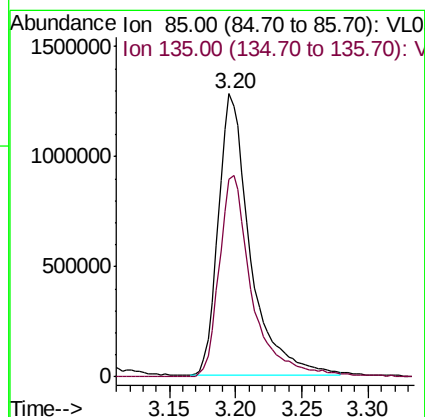
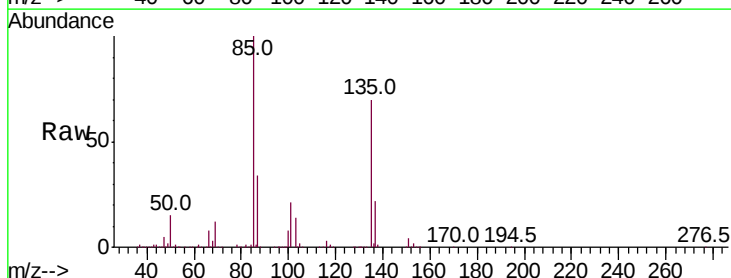
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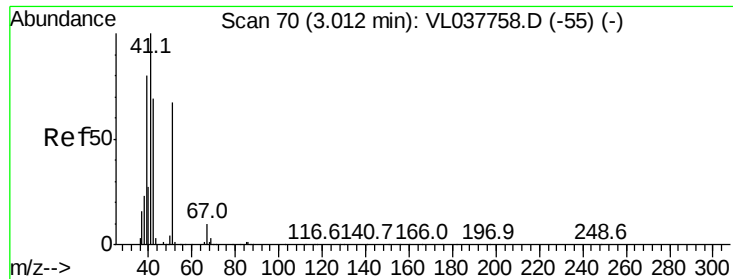
Tgt Ion: 85 Resp: 2157527

Ion Ratio Lower Upper

85 100

135 73.8 59.5 89.3



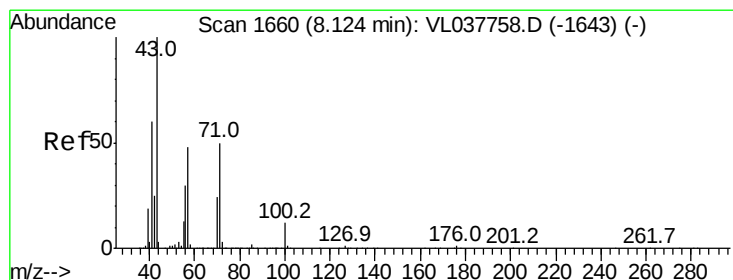
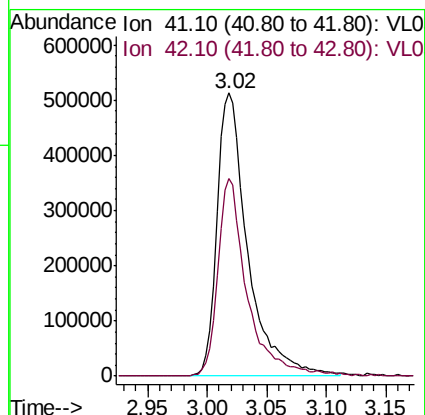
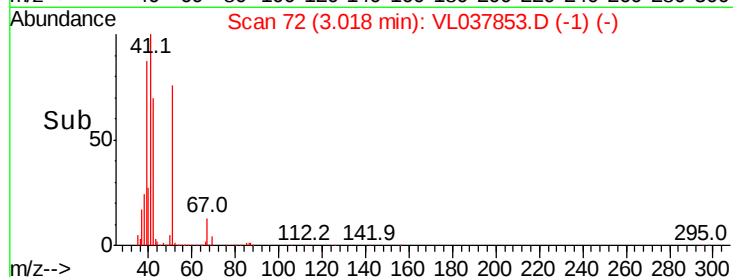
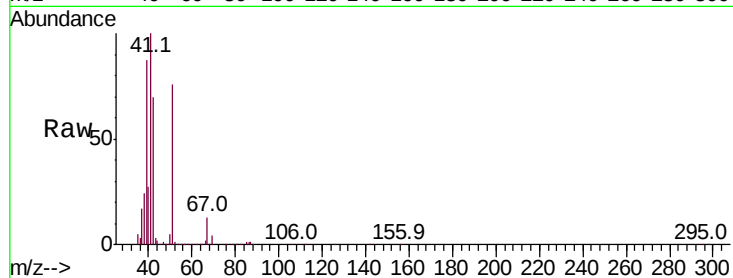


#9
Propene
Concen: 9.583 ppbv
RT: 3.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Oct 2021 14:46

Tot Ion:
Ion Ratio
41 100
42 66.

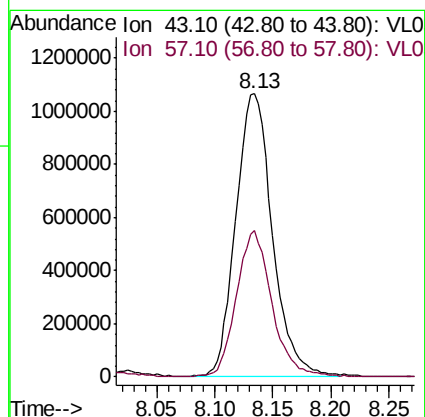
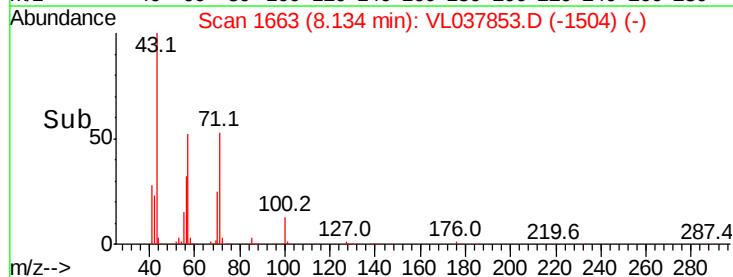
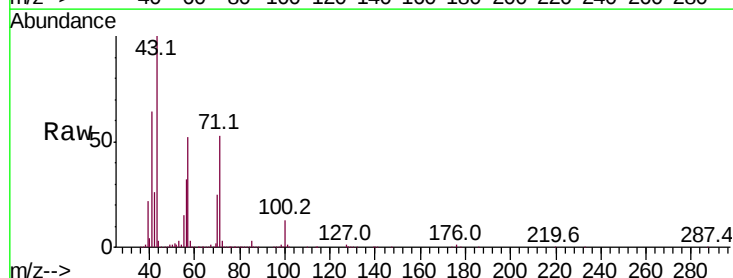
Manual Integrations
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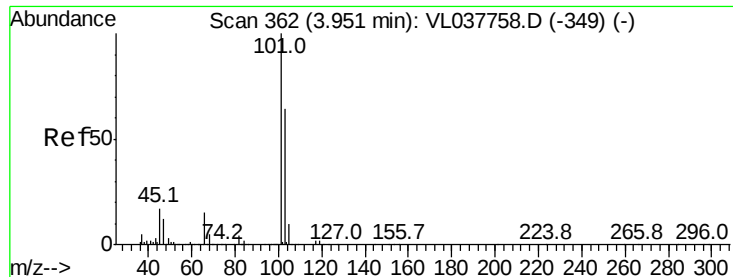
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#10
Heptane
Concen: 10.642 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion: 43 Resp: 2322285
Ion Ratio Lower Upper
43 100
57 50.3 40.0 60.0



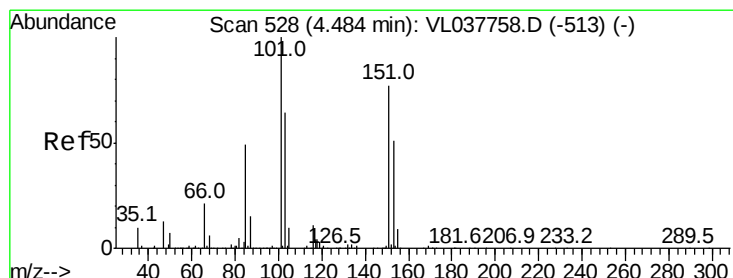
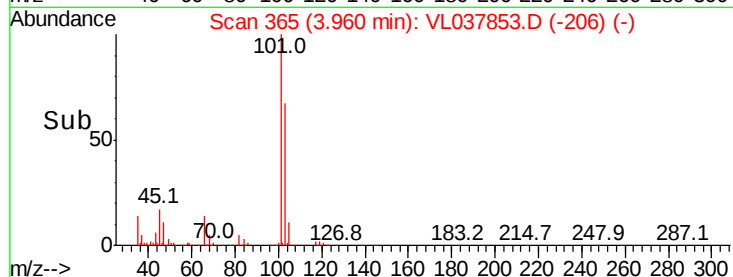
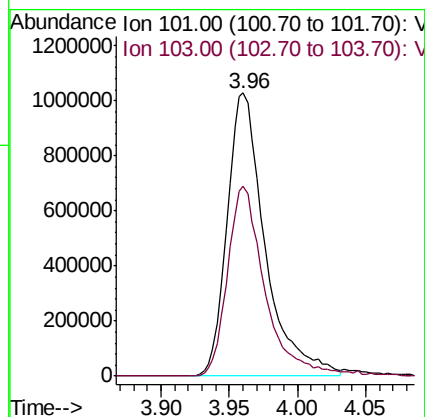
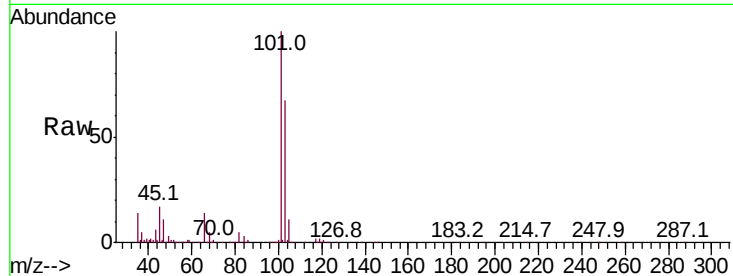


#11
 Trichlorofluoromethane
 Concen: 10.268 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 18 Oct 2021 14:48

Tot Ion:1
 Ion Rati
 101 100
 103 67.

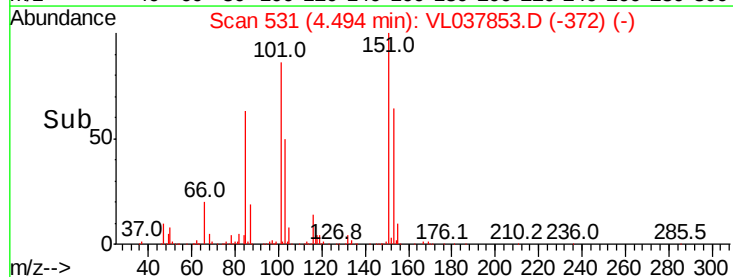
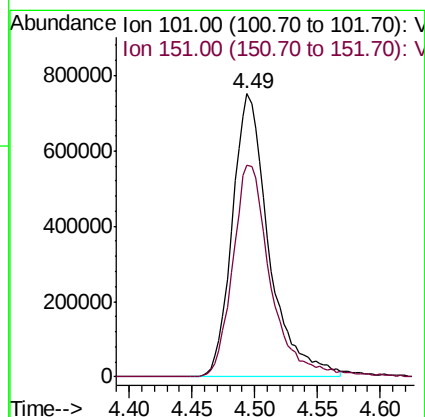
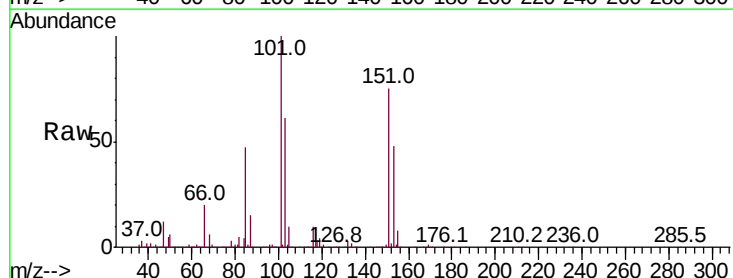
Manual Integrations
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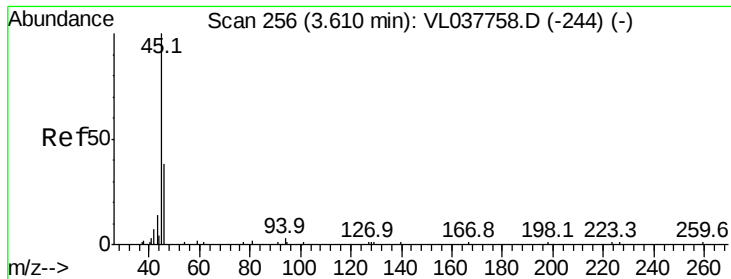
Reviewed By :Semsettin Yesilyurt 10/25/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.374 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL037853.D
 Acq: 18 Oct 2021 14:46

Tgt Ion:101 Resp: 1522388
 Ion Ratio Lower Upper
 101 100
 151 78.2 62.9 94.3



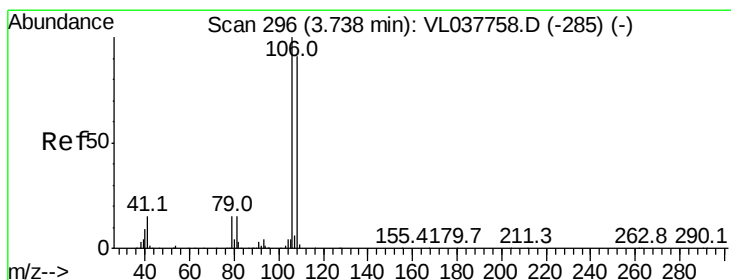
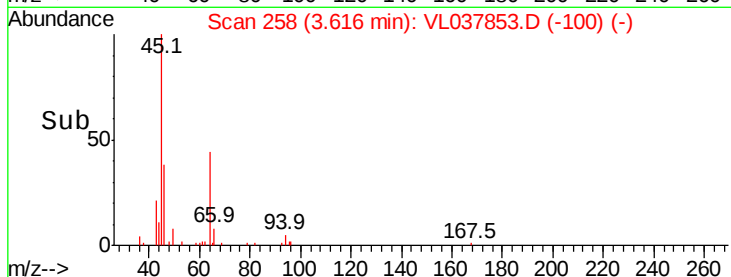
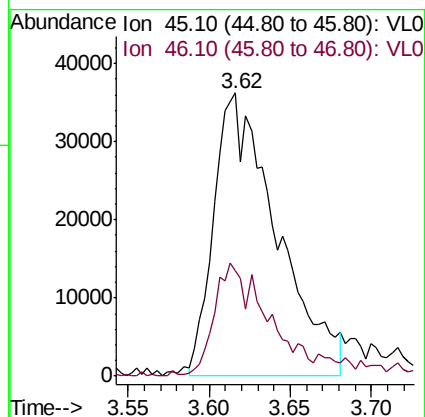
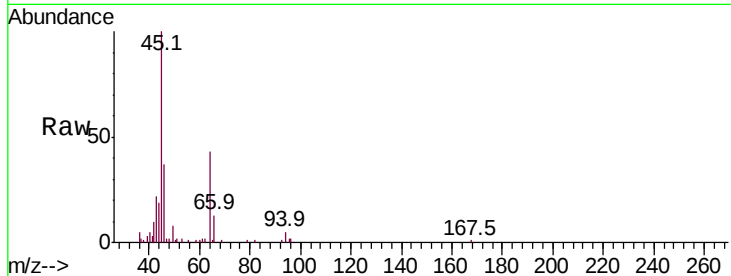


#13
Ethanol
Concen: 12.458 ppbv m
RT: 3.62
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Oct 2021 14:46

Tot Ion:
Ion Rati
45 100
46 40.

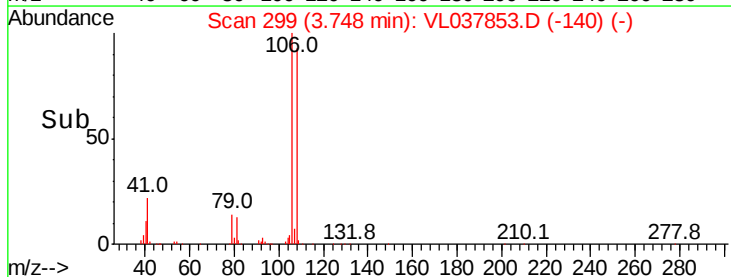
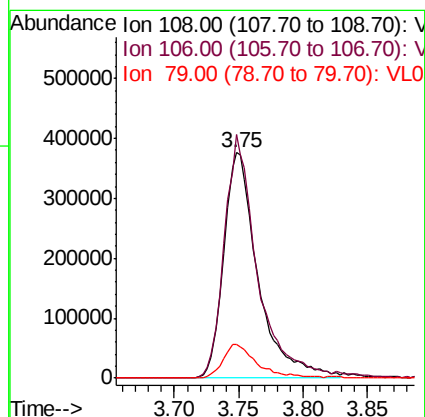
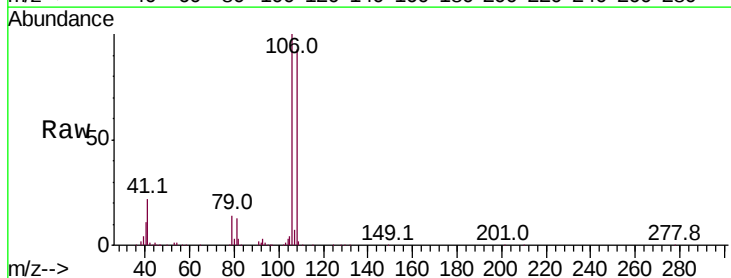
Manual Integrations
APPROVED

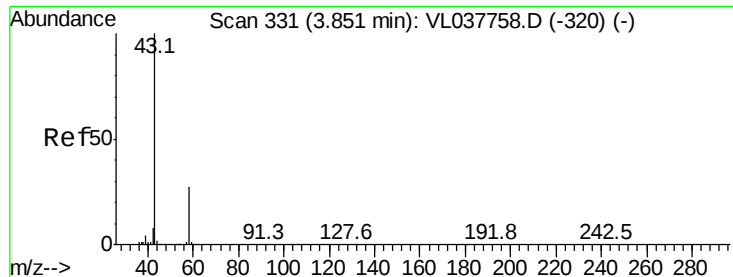
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#14
Bromoethene
Concen: 10.785 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion:108 Resp: 695848
Ion Ratio Lower Upper
108 100
106 106.4 91.9 137.9
79 15.5 13.9 20.9





#15

Acetone

Concen: 9.317 ppbv

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 14:46

Tot Ion:

Ion Ratio

43 100

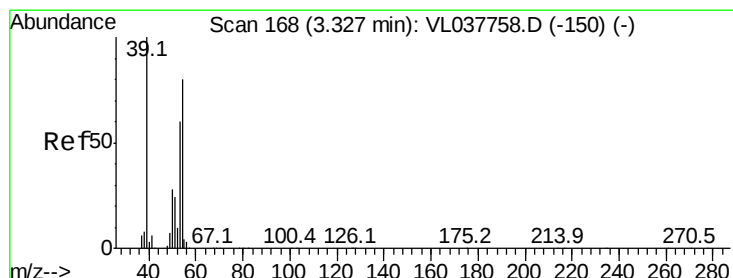
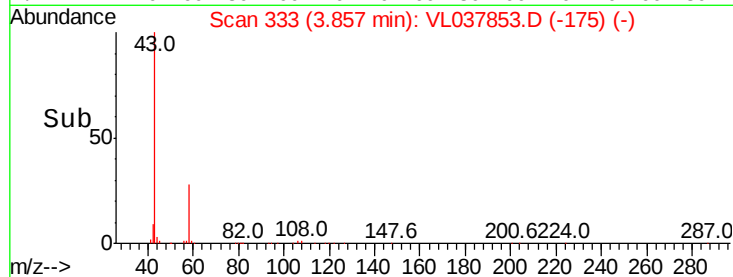
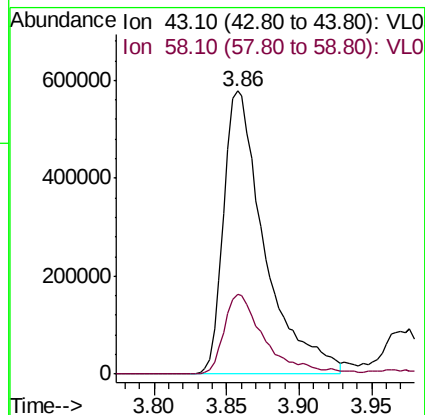
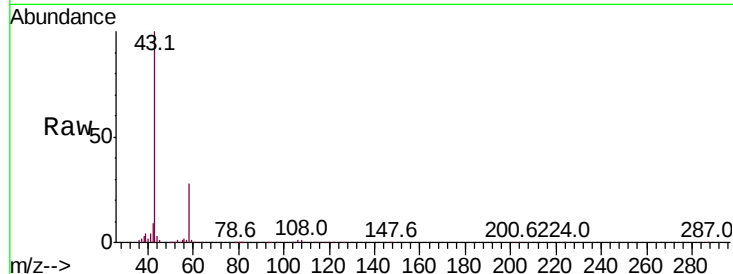
58 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#16

1,3-Butadiene

Concen: 10.299 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL037853.D

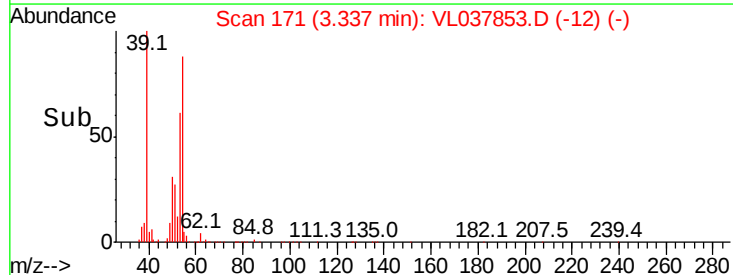
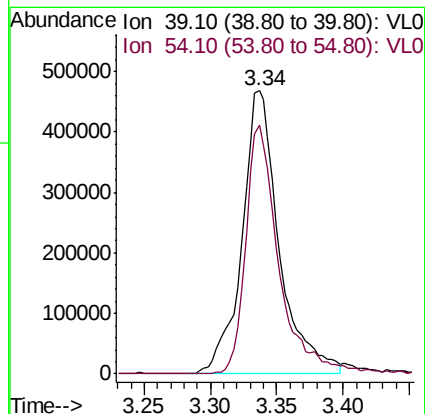
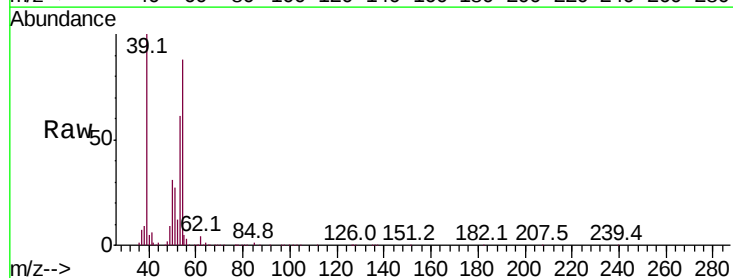
Acq: 18 Oct 2021 14:46

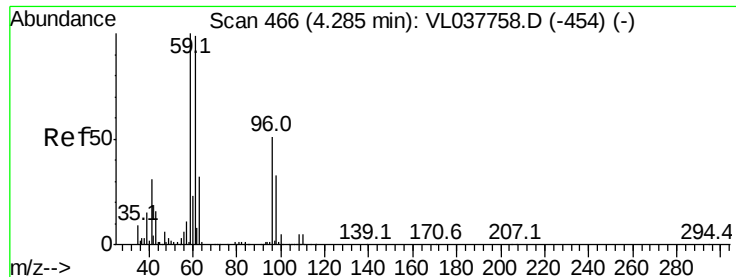
Tgt Ion: 39 Resp: 914220

Ion Ratio Lower Upper

39 100

54 79.3 61.7 92.5





#17

tert-Butyl alcohol

Concen: 9.822 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 18 Oct 2021 14:46

Tot Ion:

Ion Ratio

59 100

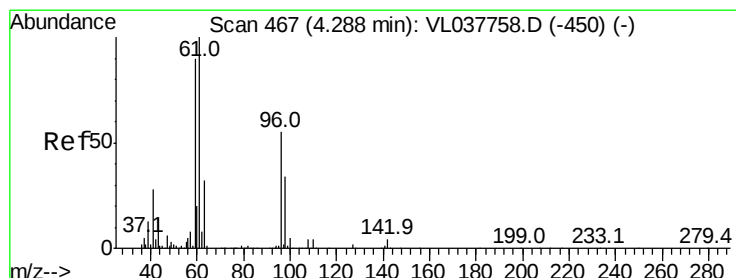
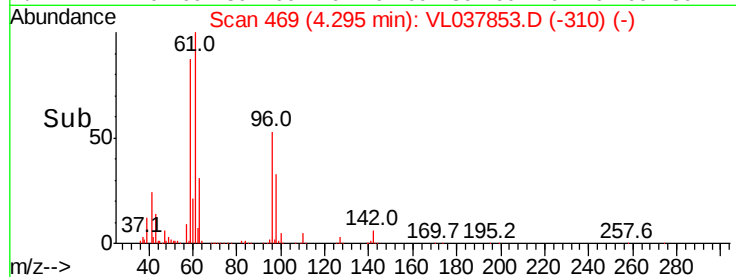
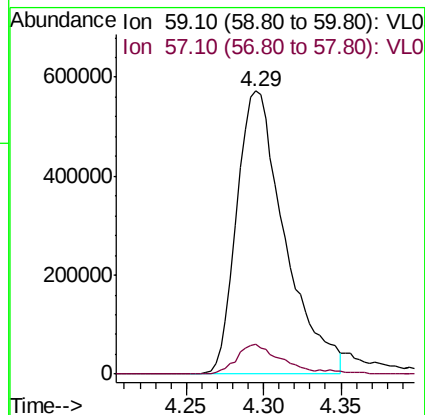
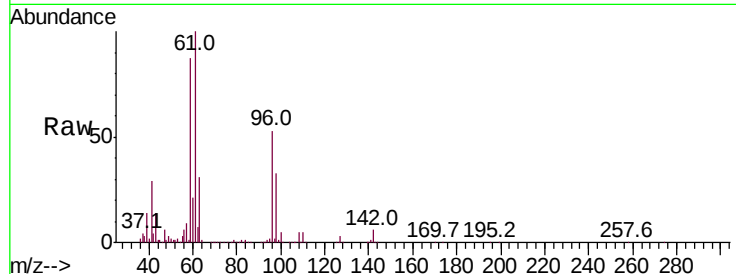
57 10.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#18

1,1-Dichloroethene

Concen: 10.430 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

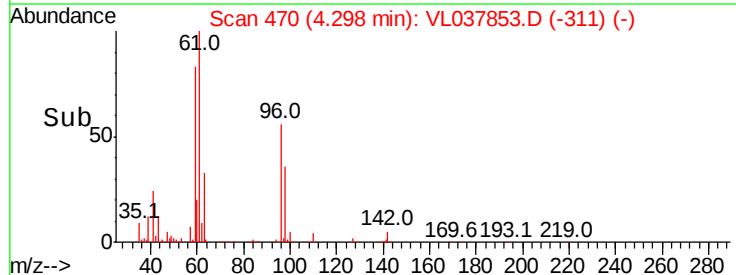
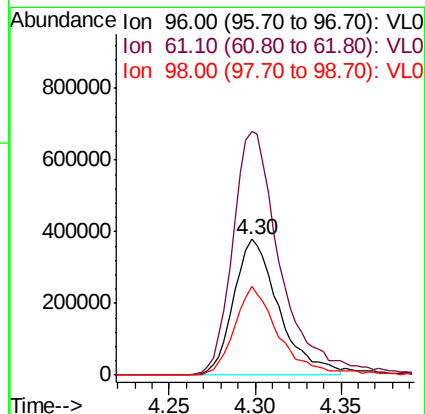
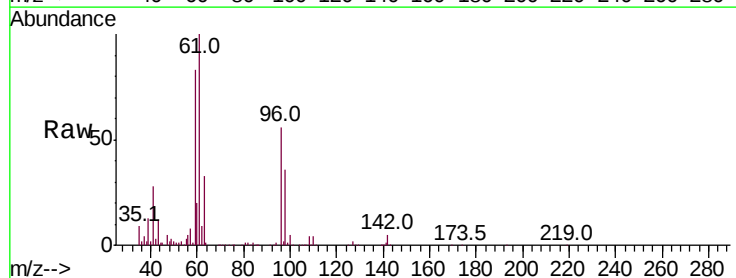
Tgt Ion: 96 Resp: 695536

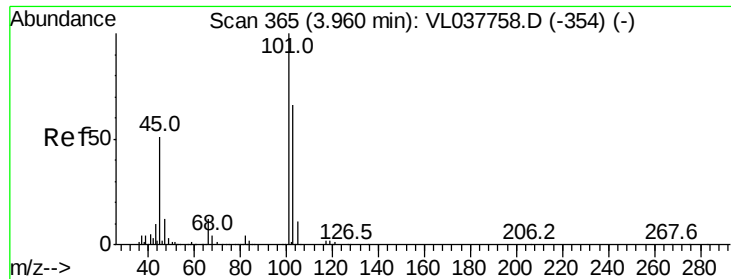
Ion Ratio Lower Upper

96 100

61 178.7 146.2 219.4

98 65.1 50.0 75.0





#19

Isopropyl Alcohol

Concen: 10.355 ppbv m

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 14:46

Tot Ion:

Ion Ratio

45 100

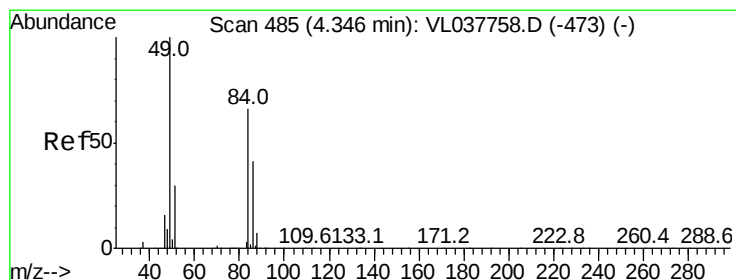
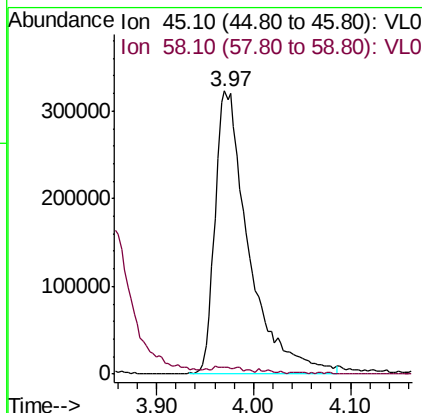
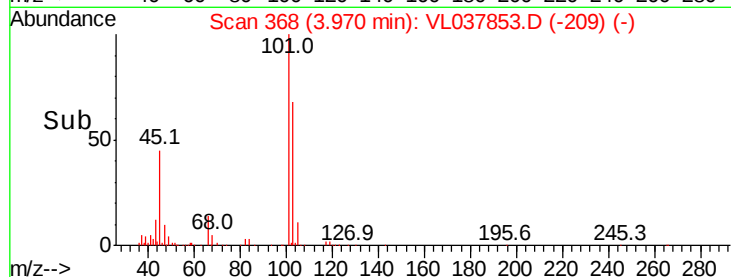
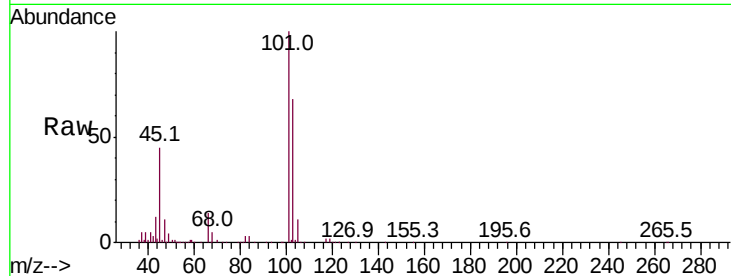
58 3.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#20

Methylene Chloride

Concen: 9.388 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

Tgt Ion: 84 Resp: 578710

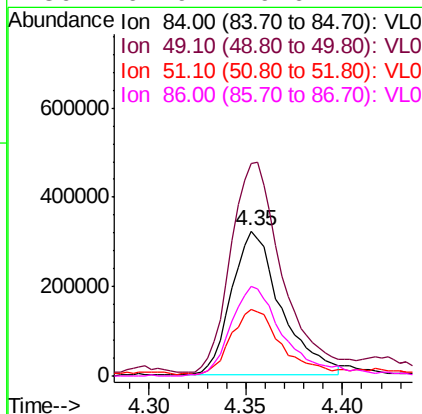
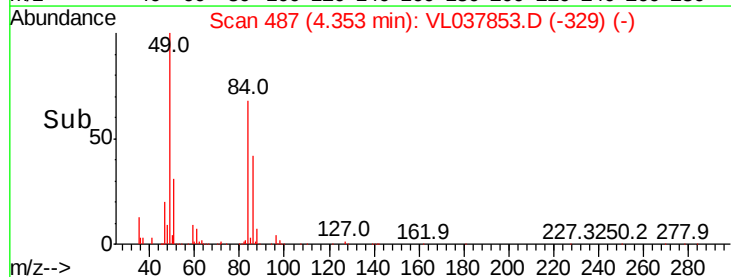
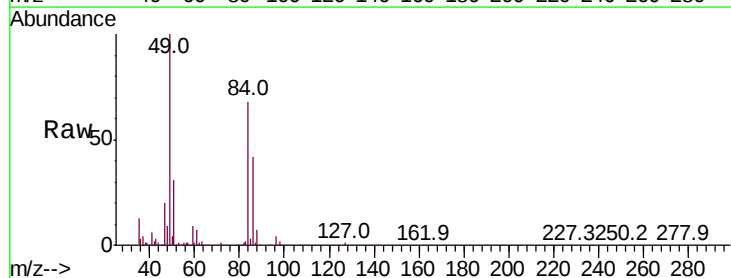
Ion Ratio Lower Upper

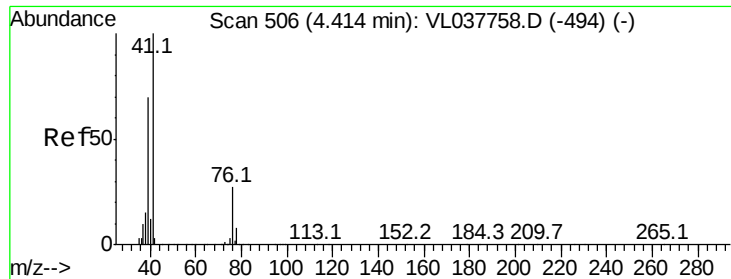
84 100

49 145.1 120.7 181.1

51 44.7 36.2 54.4

86 61.9 49.6 74.4



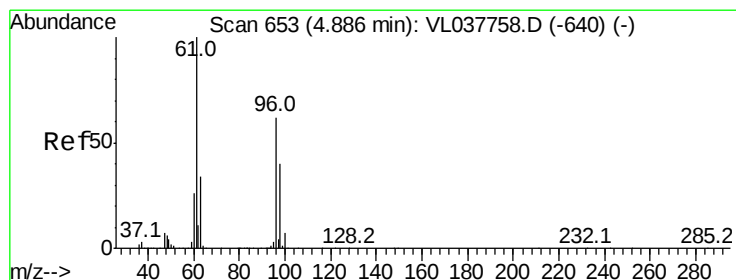
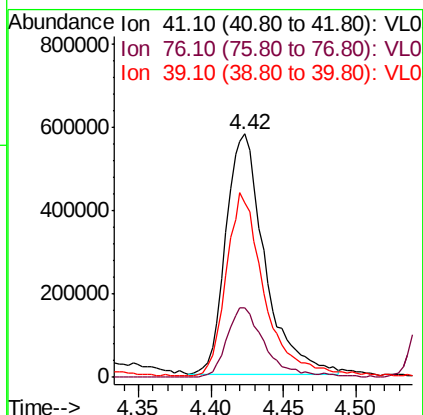
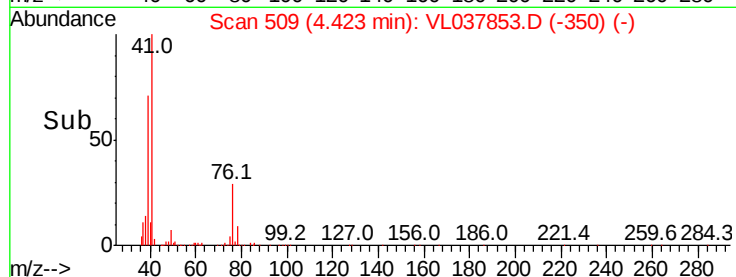
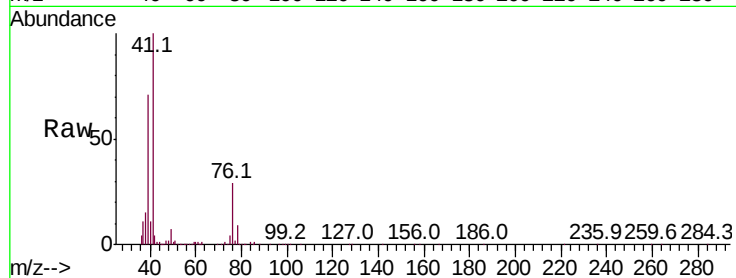


#21
Allvl Chloride
Concen: 10.003 ppbv
RT: 4.42
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Oct 2021 14:46

Tot Ion:
Ion Ratio
41 100
76 28.
39 75.

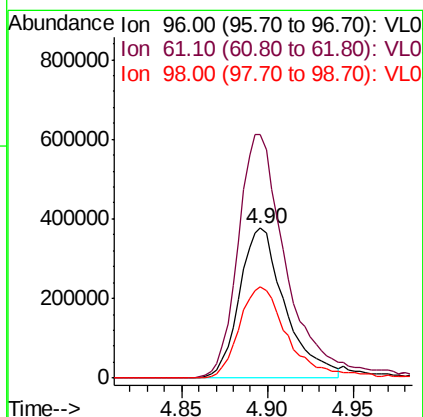
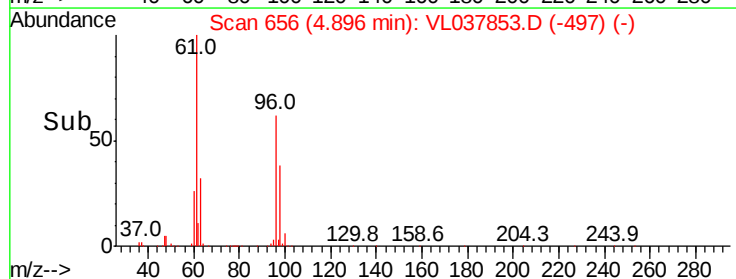
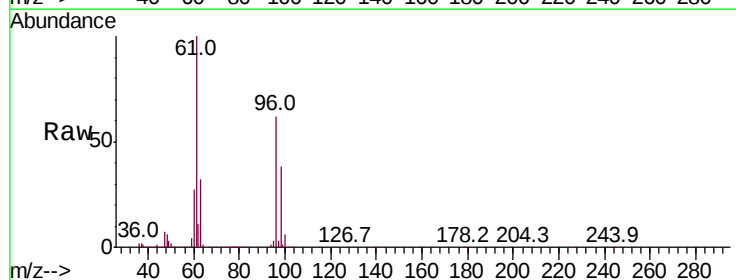
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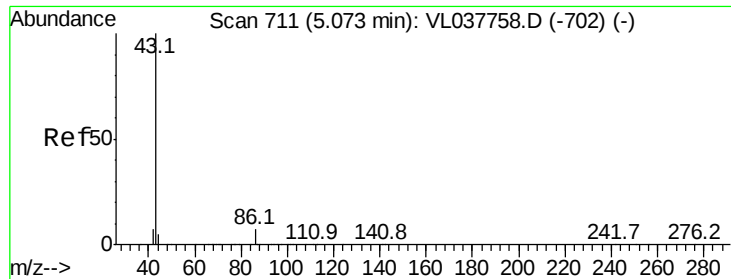
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#22
trans-1,2-Dichloroethene
Concen: 10.382 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion: 96 Resp: 696065
Ion Ratio Lower Upper
96 100
61 162.1 129.0 193.6
98 60.9 51.7 77.5





#23

Vinyl Acetate

Concen: 9.771 ppbv

RT: 5.08 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 18 Oct 2021 14:40 VSTDCC010

Tot Ion:

Ion Ratio

43 100

86 6.

42 8.

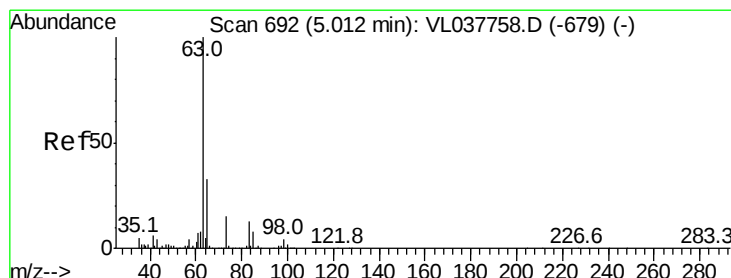
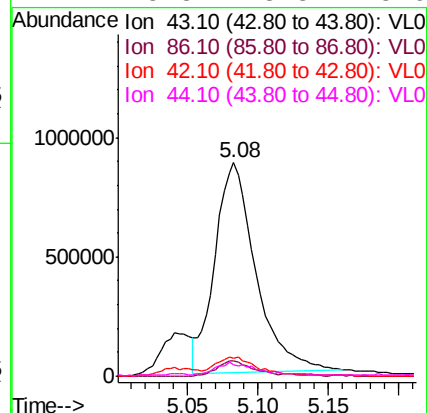
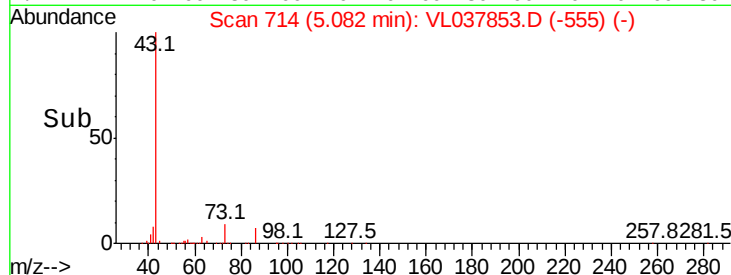
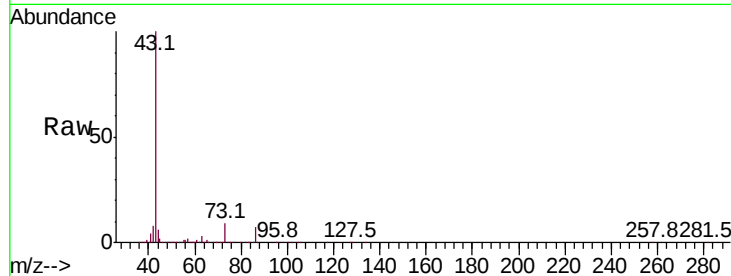
44 5.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#24

1,1-Dichloroethane

Concen: 10.753 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

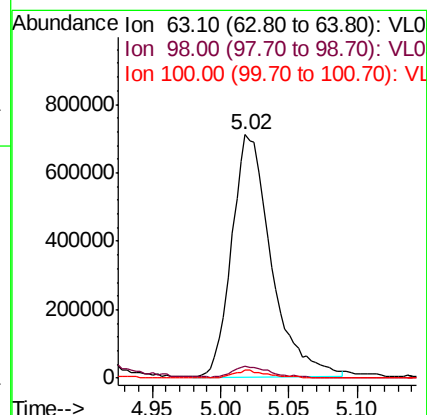
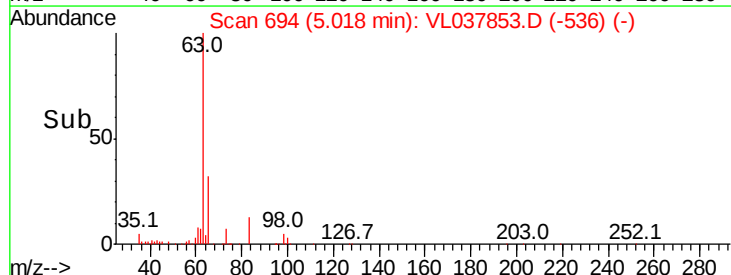
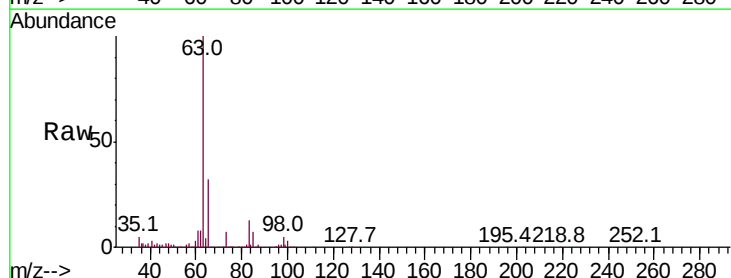
Tgt Ion: 63 Resp: 1431122

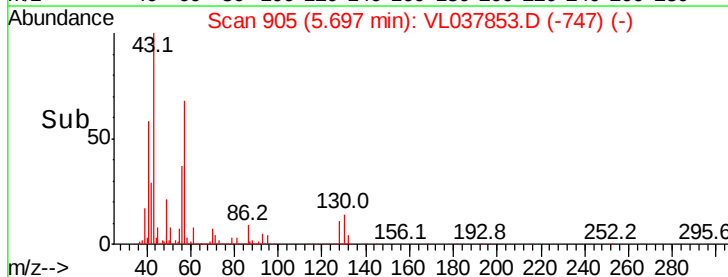
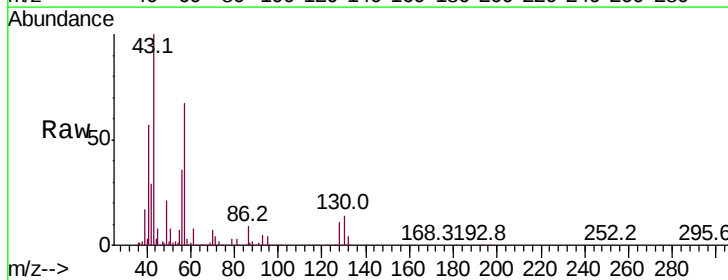
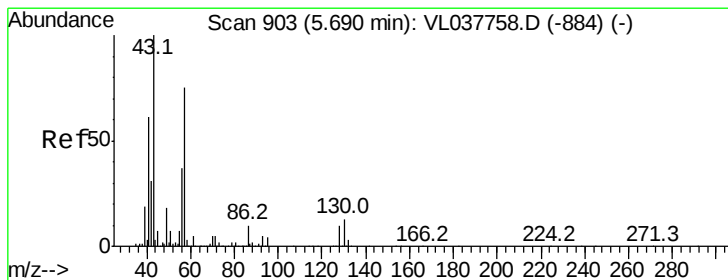
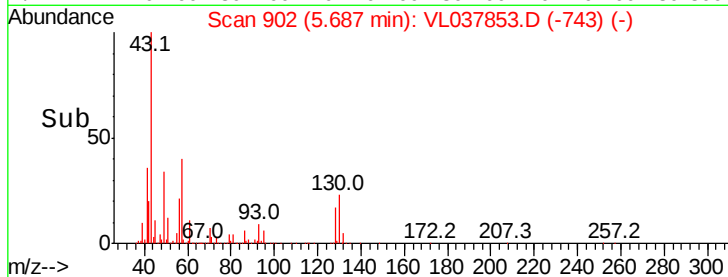
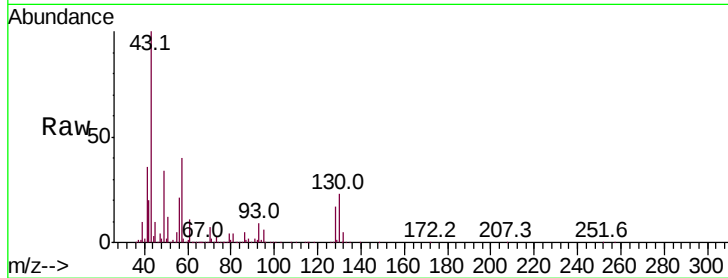
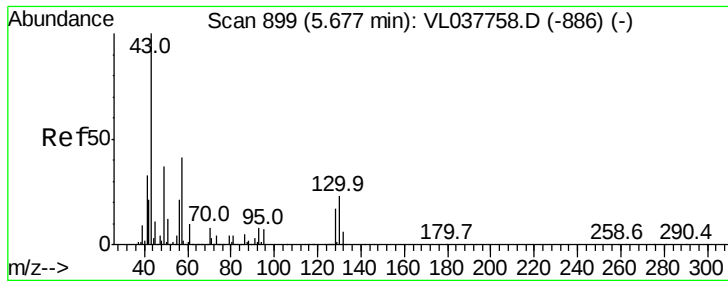
Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

100 3.1 1.1 3.1



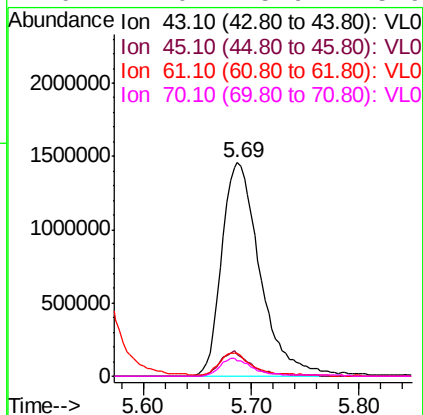


#25
Ethyl Acetate
Concen: 10.517 ppbv
RT: 5.69
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 18 Oct 2021 14:46

Tot Ion:
Ion Ratio
43 100
45 9.
61 9.
70 7.0 5.9 8.9

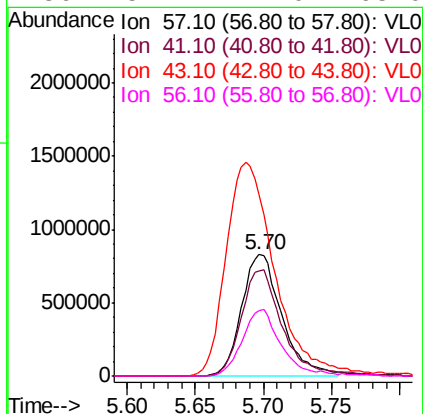
Manual Integrations
APPROVED

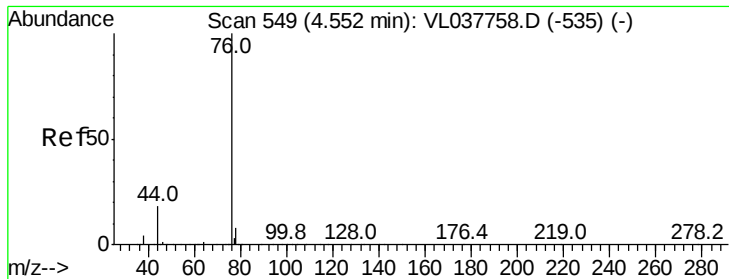
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#26
Hexane
Concen: 10.041 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion: 57 Resp: 1692627
Ion Ratio Lower Upper
57 100
41 89.9 69.6 104.4
43 214.9 171.4 257.0
56 54.2 42.0 63.0





#27

Carbon Disulfide

Concen: 11.523 ppbv

RT: 4.56

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 14:46

Tot Ion:

Ion Ratio

76 100

44 17.

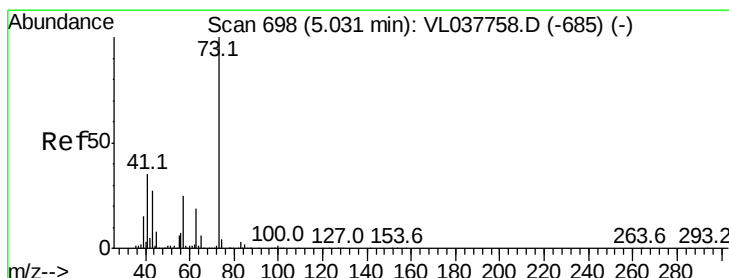
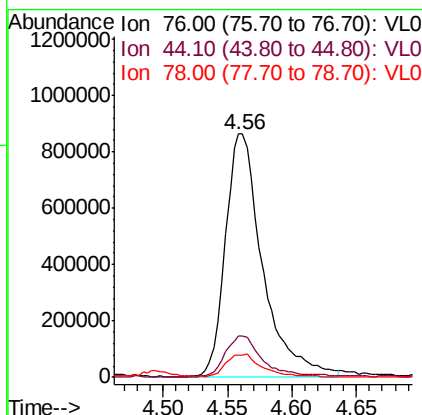
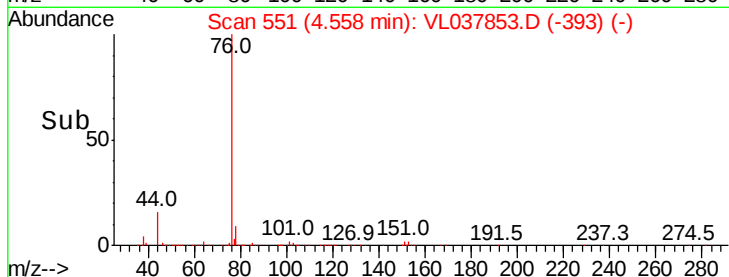
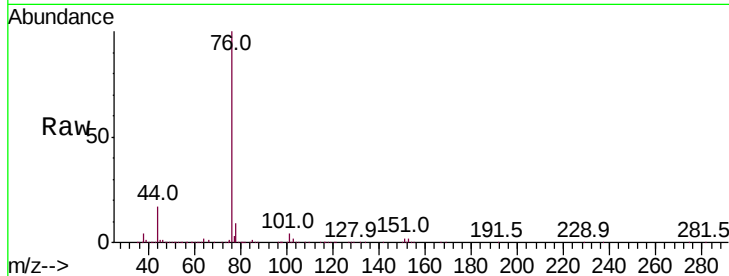
78 9.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#28

Methyl tert-Butyl Ether

Concen: 10.133 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL037853.D

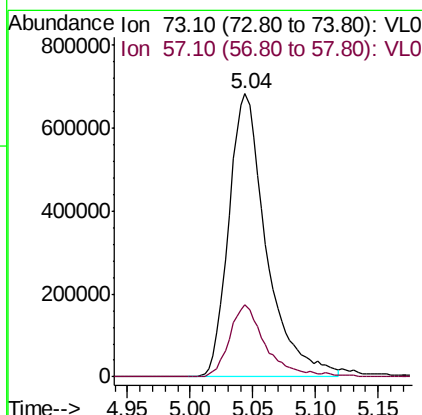
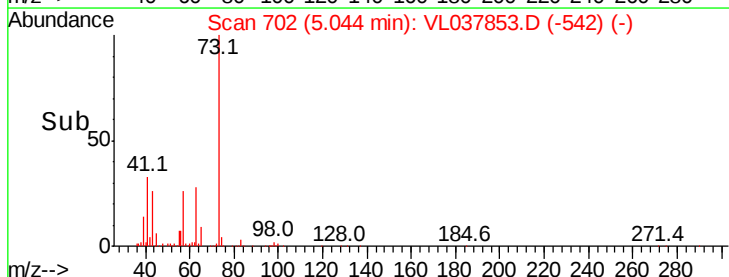
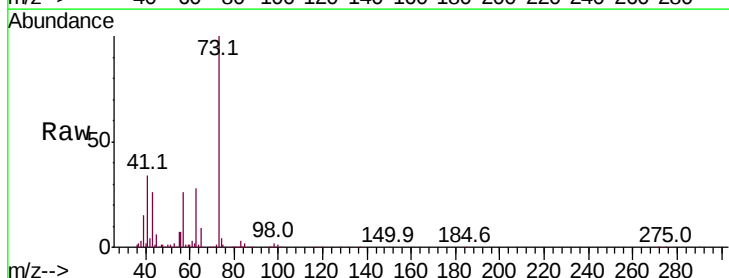
Acq: 18 Oct 2021 14:46

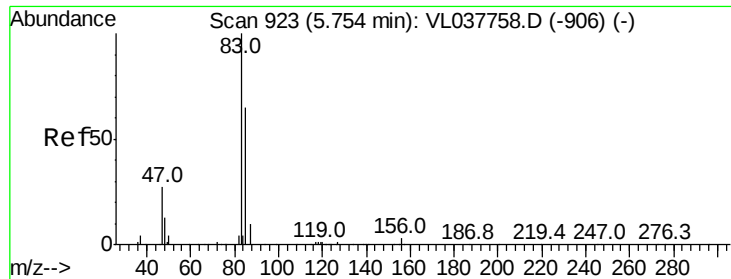
Tgt Ion: 73 Resp: 1422246

Ion Ratio Lower Upper

73 100

57 25.0 20.4 30.6



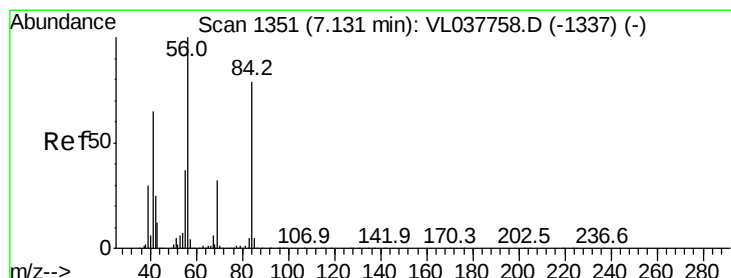
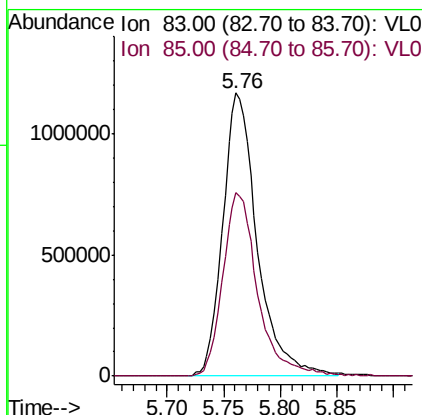
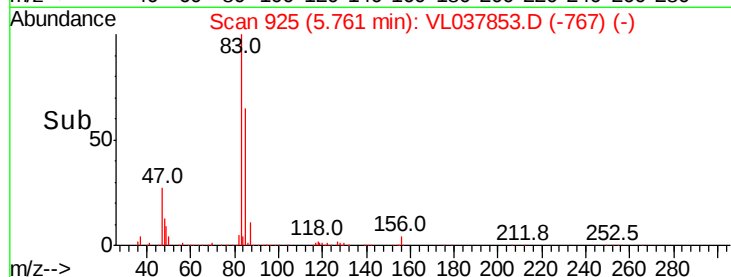
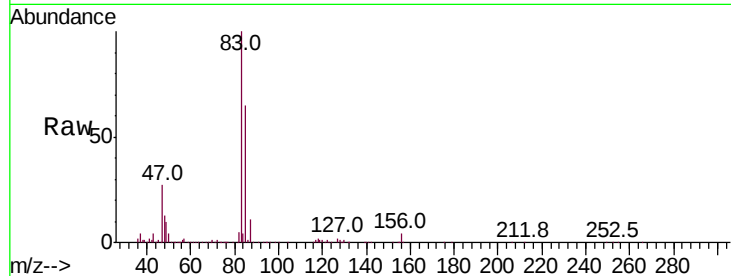


#29
Chloroform
Concen: 10.228 ppbv
RT: 5.76
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Oct 2021 14:46

Tot Ion:
Ion Ratio
83 100
85 64.

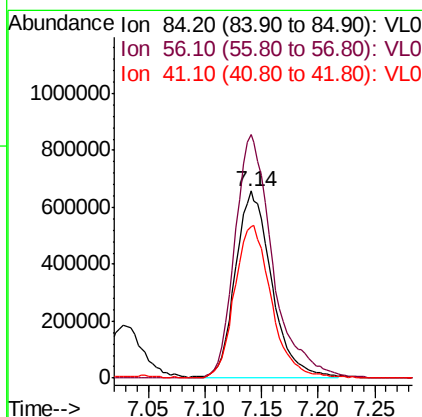
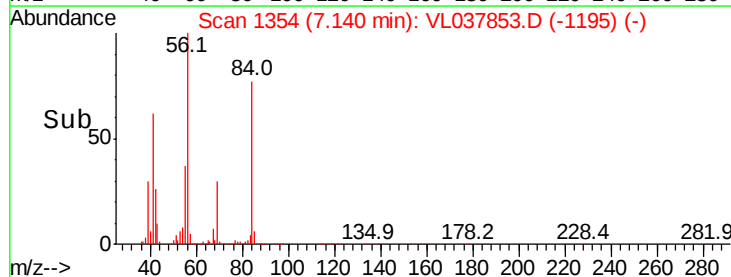
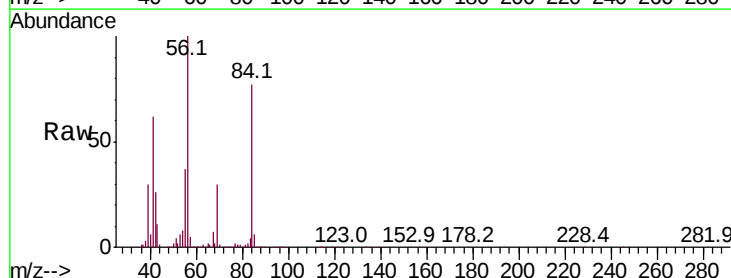
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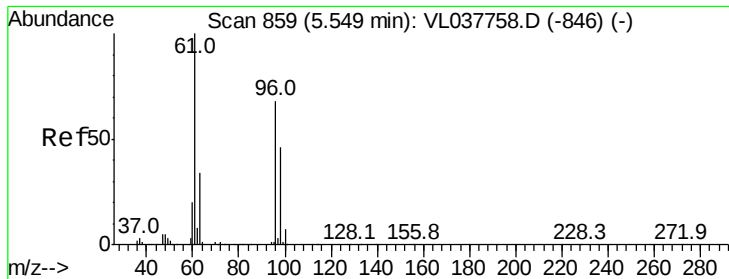
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#30
Cyclohexane
Concen: 10.150 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion: 84 Resp: 1450915
Ion Ratio Lower Upper
84 100
56 137.8 113.0 169.4
41 83.6 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 10.220 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Oct 2021 14:46 VSTDCCC010

Tot Ion:

Ion Ratio

61 100

96 72.

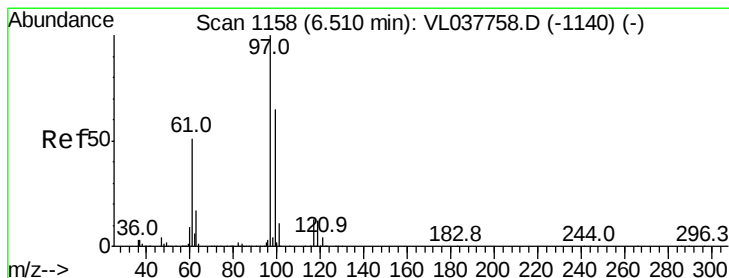
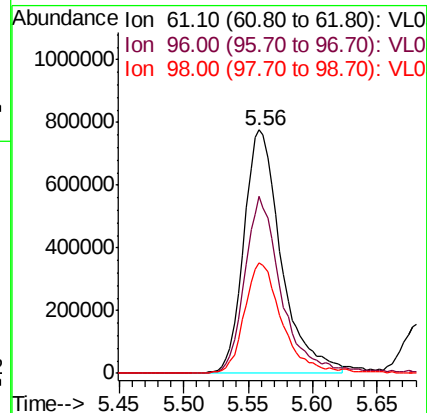
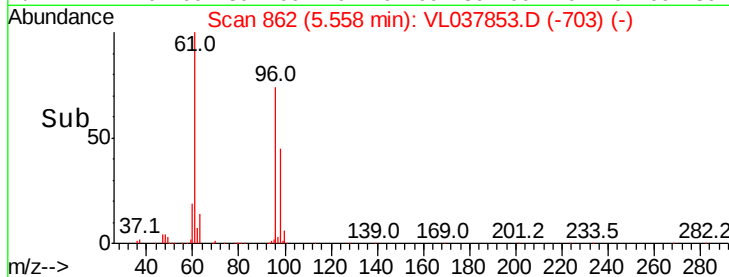
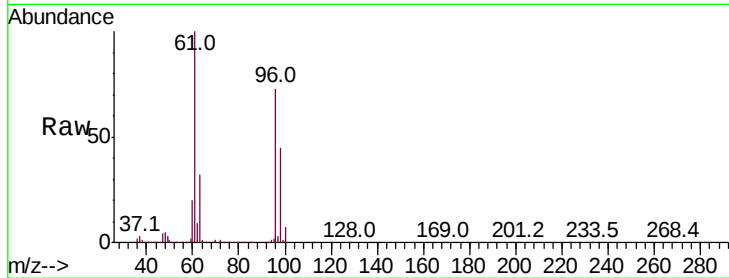
98 45.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#32

1,1,1-Trichloroethane

Concen: 10.306 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

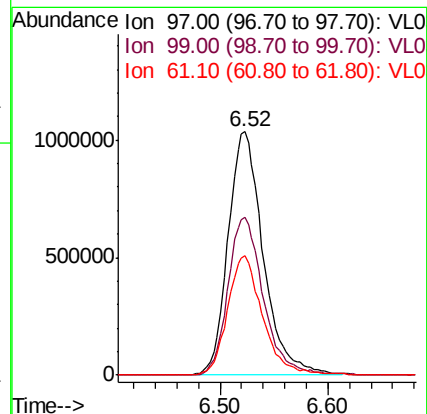
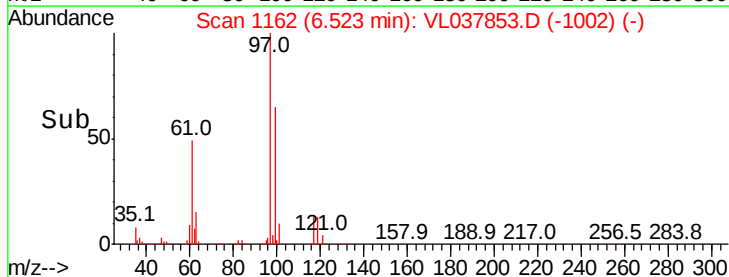
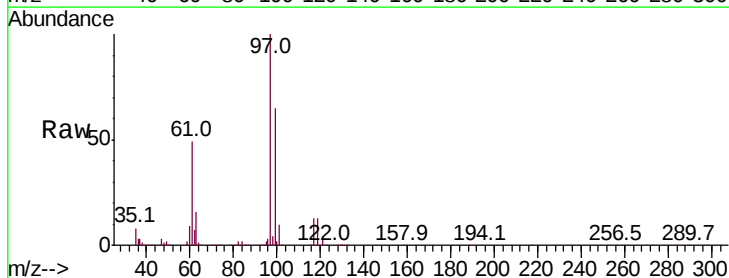
Tgt Ion: 97 Resp: 2354441

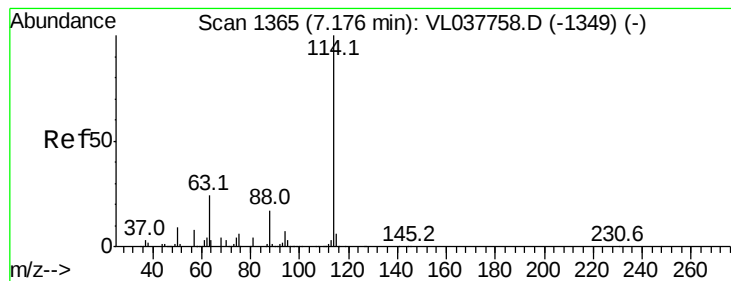
Ion Ratio Lower Upper

97 100

99 65.4 52.6 78.8

61 49.1 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 Instrument: MSVOA_1

Delta R.T. 0.01

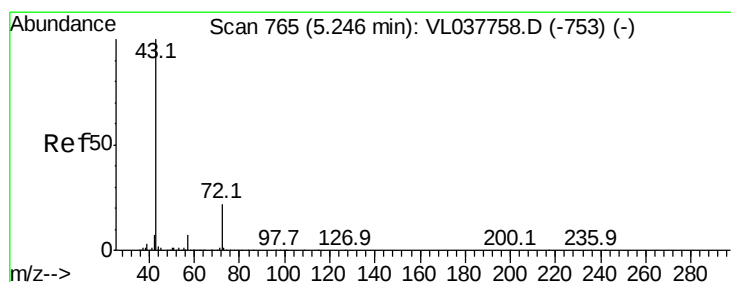
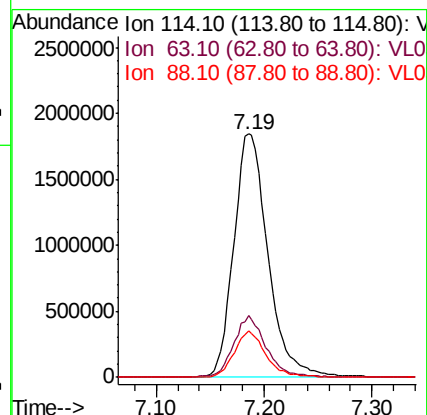
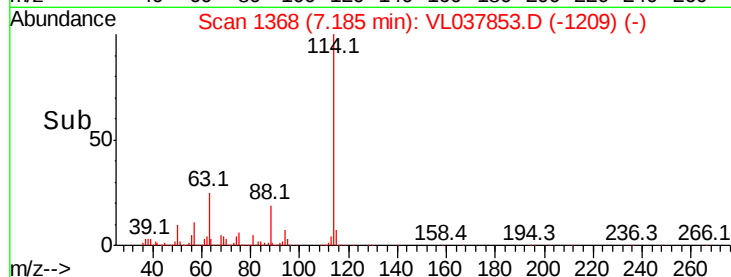
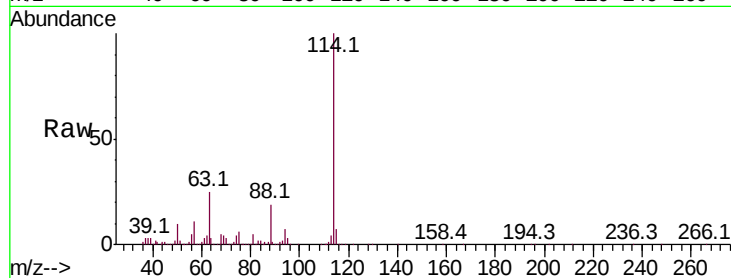
Lab File: ClientSampleId: VSTDCCC010

Acq: 18 Oct 2021 14:46

Tot Ion: 1
Ion Ratio
114 100
63 24.
88 17.

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Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#34

2-Butanone

Concen: 9.647 ppbv

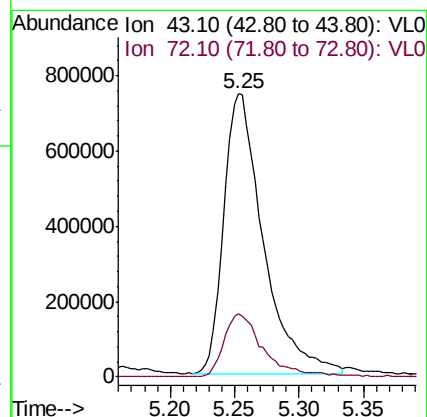
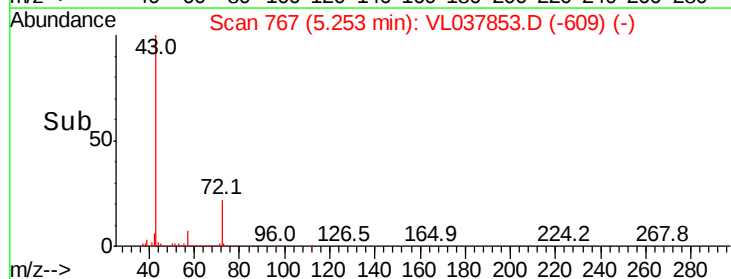
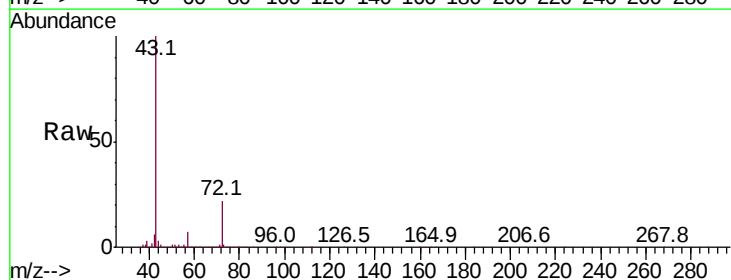
RT: 5.25 min Scan# 767

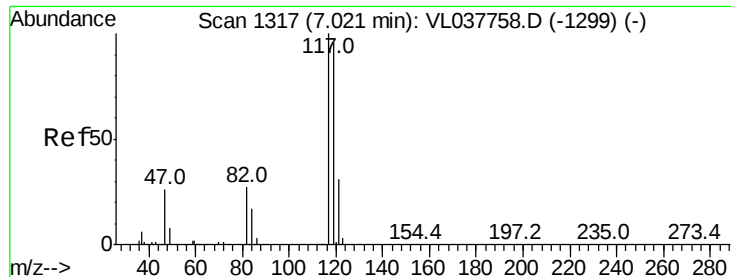
Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

Tgt Ion: 43 Resp: 1586926
Ion Ratio Lower Upper
43 100
72 22.6 18.2 27.2



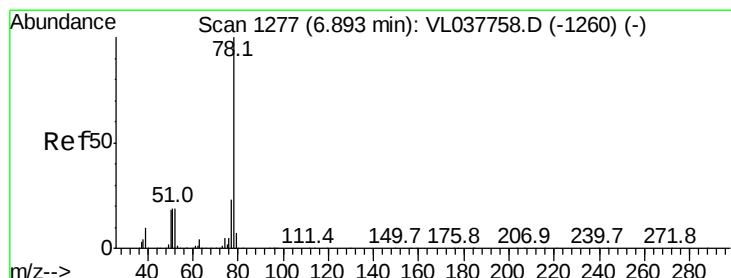
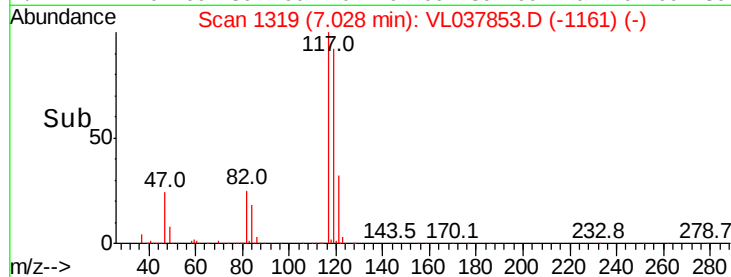
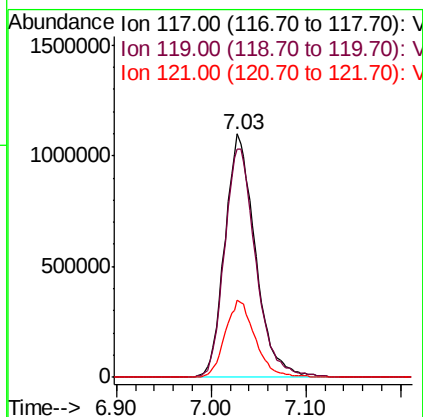
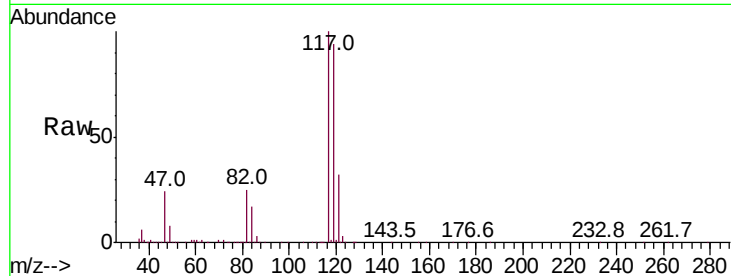


#35
Carbon Tetrachloride
Concen: 10.646 ppbv
RT: 7.03
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: VSTDCCC010
Acq: 18 Oct 2021 14:46

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

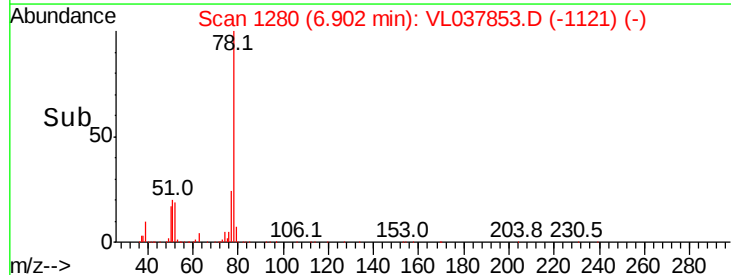
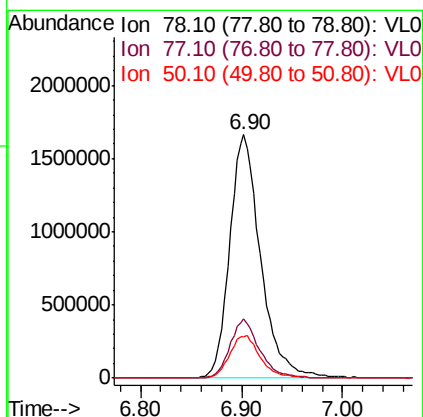
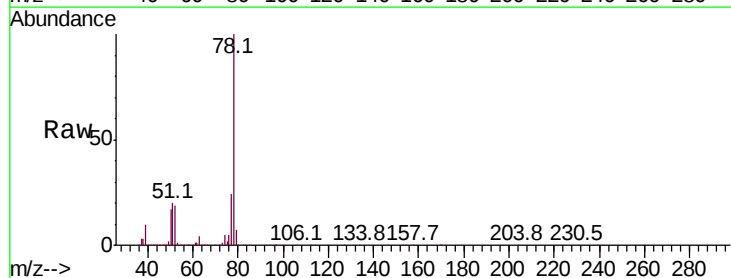
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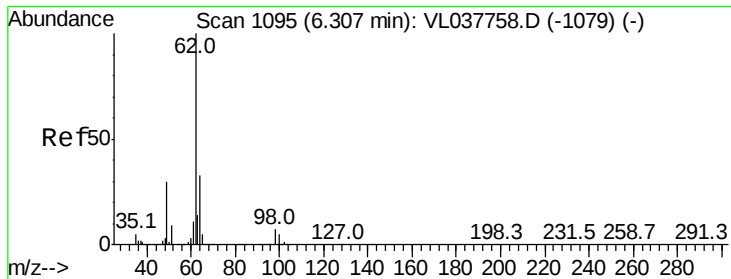
Reviewed By : Semsettin Yesilyurt 10/25/2021
Supervised By : Mahesh Dadoda 10/27/2021



#36
Benzene
Concen: 10.190 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion: 78 Resp: 3546144
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2
50 17.1 14.7 22.1





#37

1,2-Dichloroethane

Concen: 10.464 ppbv

RT: 6.32

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 14:46

Tot Ion:

Ion Ratio

62 100

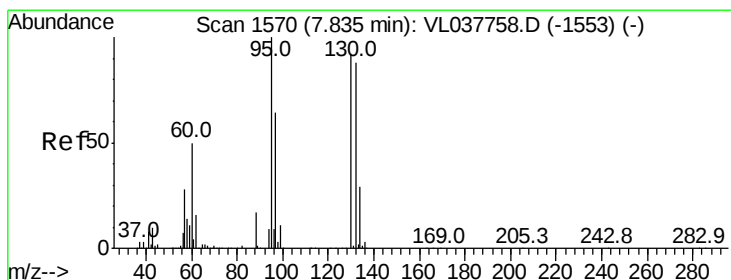
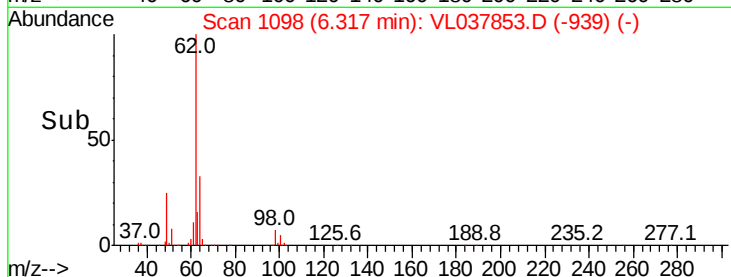
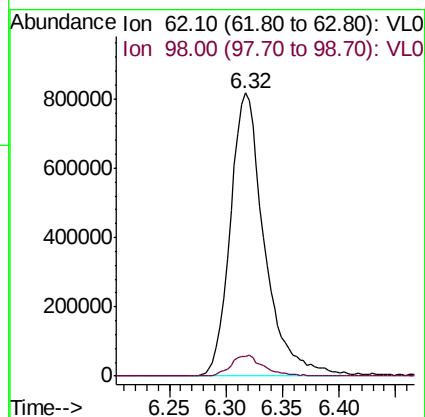
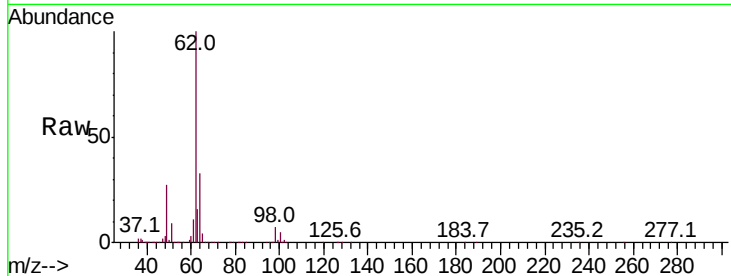
98 7.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#38

Trichloroethene

Concen: 10.253 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

Tgt Ion:130 Resp: 1409651

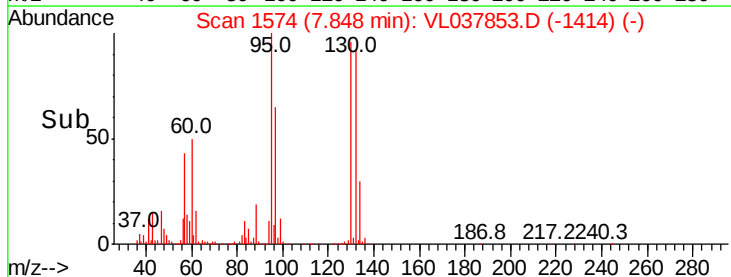
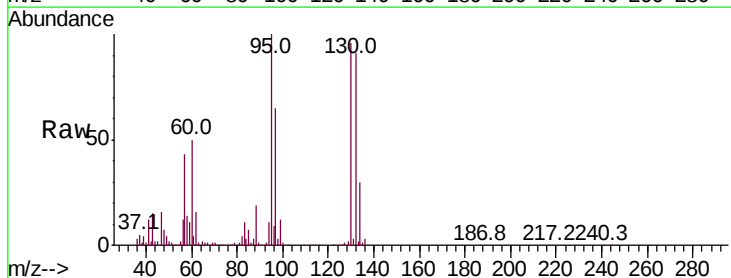
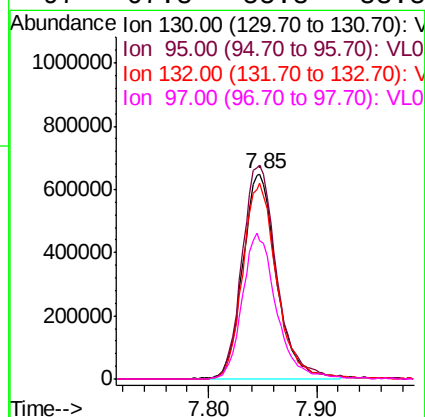
Ion Ratio Lower Upper

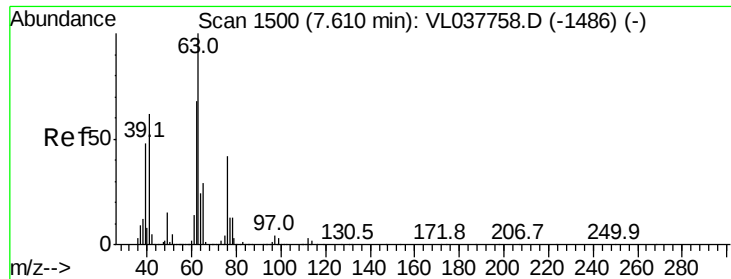
130 100

95 104.3 87.4 131.0

132 95.4 76.8 115.2

97 67.8 55.8 83.8





#39

1,2-Dichloropropane

Concen: 10.244 ppbv

RT: 7.62

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 14:46

Tot Ion:

Ion Ratio

63 100

41 64.

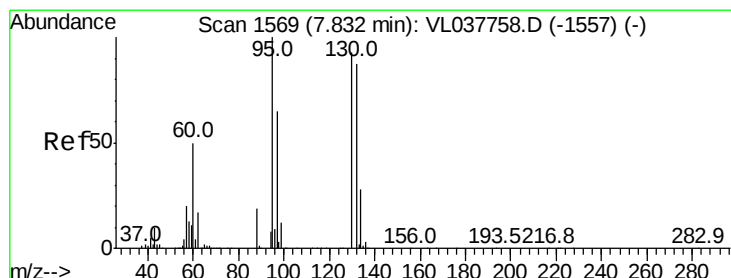
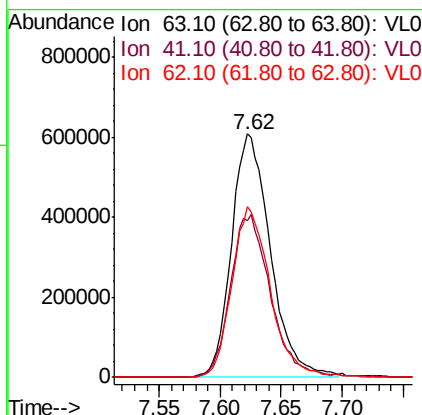
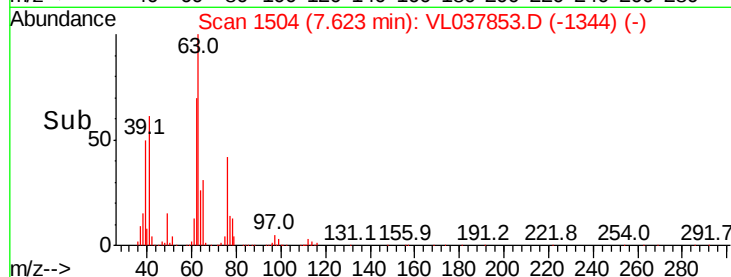
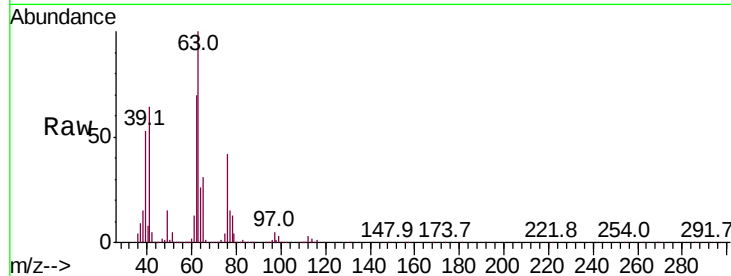
62 70.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#40

1,4-Dioxane

Concen: 10.368 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

Tgt Ion: 88 Resp: 339632

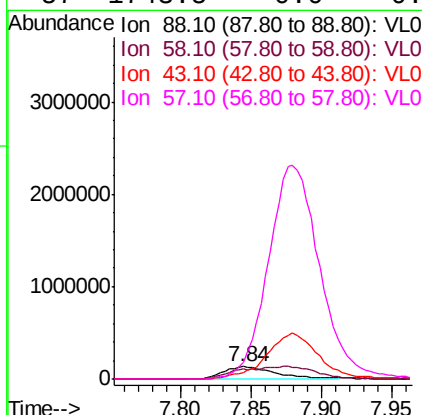
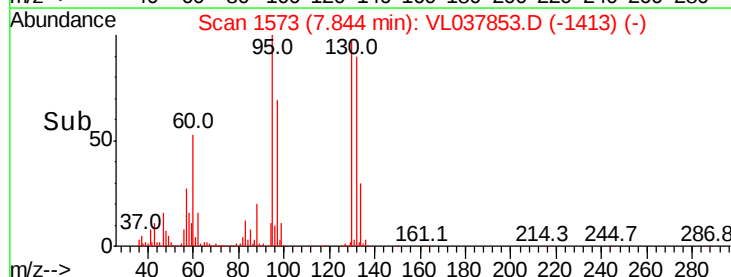
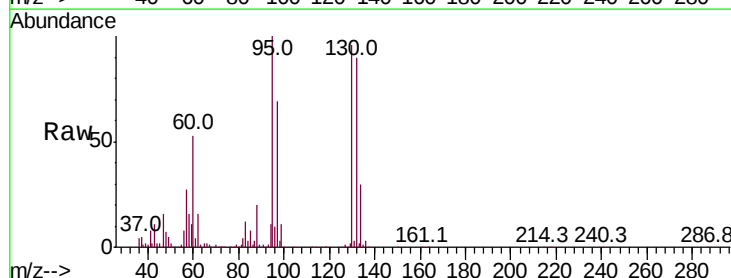
Ion Ratio Lower Upper

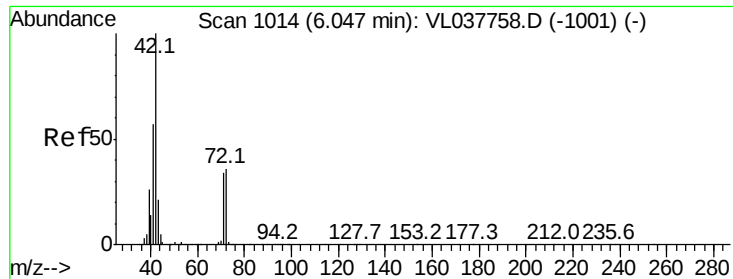
88 100

58 156.9 0.0 0.0#

43 388.6 0.0 0.0#

57 1743.5 0.0 0.0#



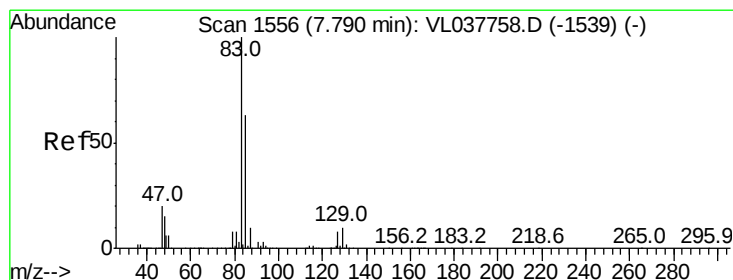
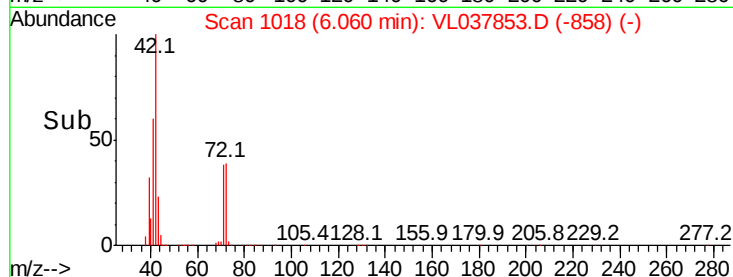
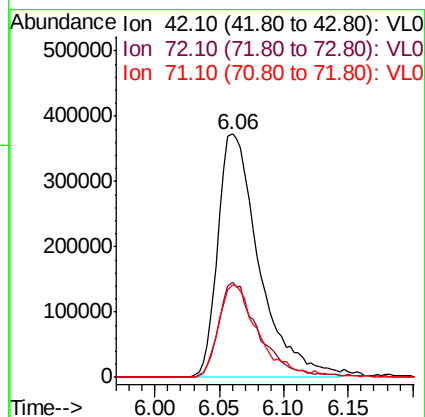
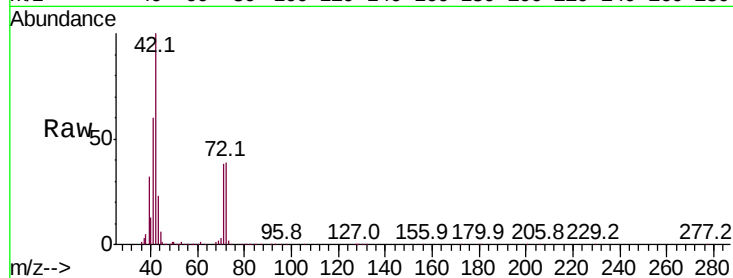


#41
Tetrahydrofuran
Concen: 10.258 ppbv
RT: 6.06
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Oct 2021 14:46

Tot Ion:
Ion Ratio
42 100
72 38.
71 37.

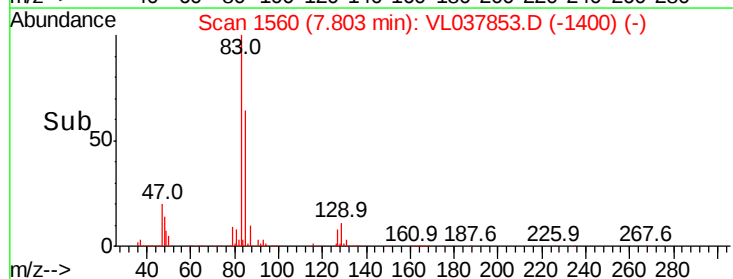
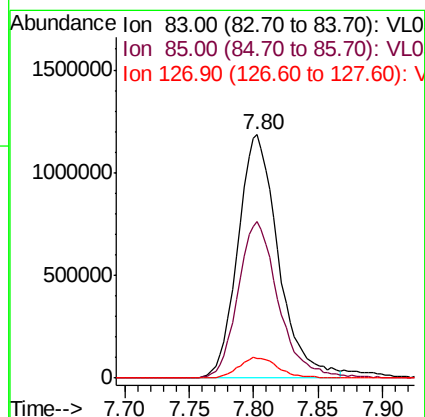
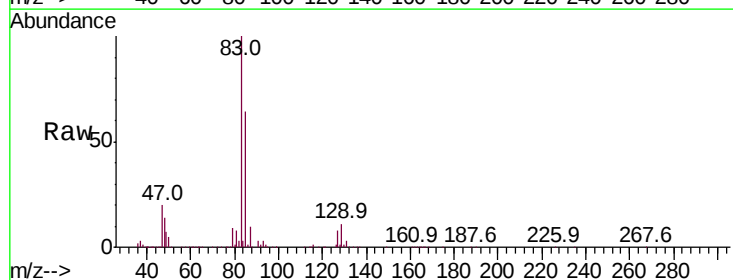
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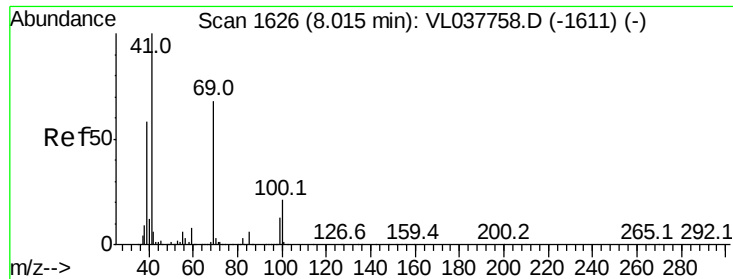
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#42
Bromodichloromethane
Concen: 10.745 ppbv
RT: 7.80 min Scan# 1560
Delta R.T.: 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion: 83 Resp: 2586316
Ion Ratio Lower Upper
83 100
85 64.3 50.6 75.8
127 7.9 6.2 9.4





#43

Methyl Methacrylate

Concen: 11.054 ppbv

RT: 8.02

Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId: VSTDCCC010

Acq: 18 Oct 2021 14:46

Tot Ion:

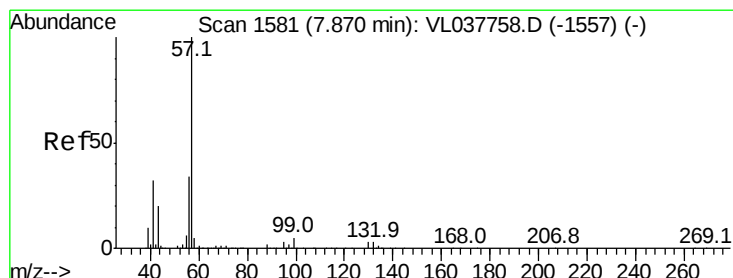
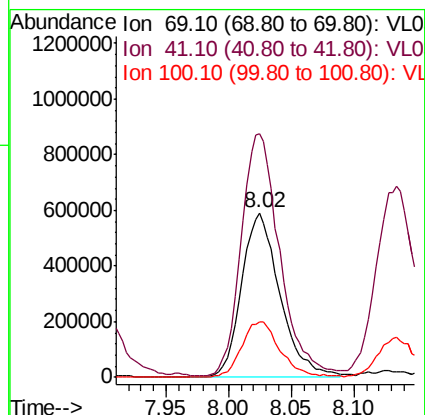
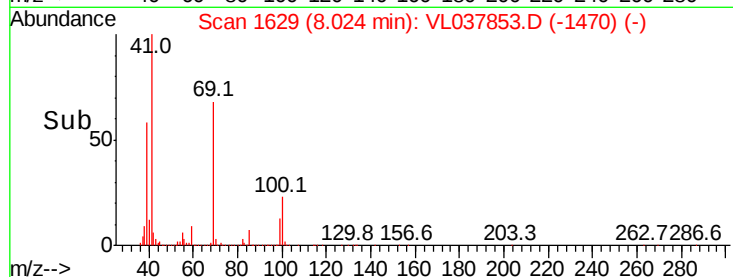
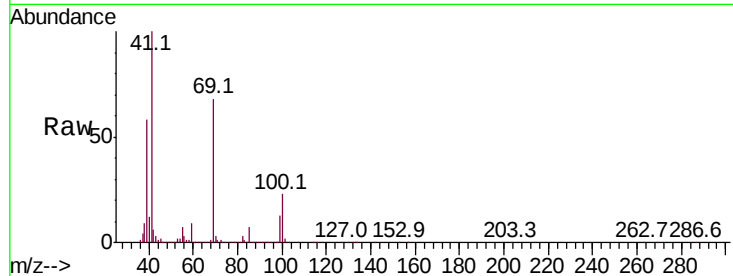
Ion	Ratio
69	100
41	148.
100	34.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#44

2,2,4-Trimethylpentane

Concen: 10.113 ppbv

RT: 7.88 min Scan# 1584

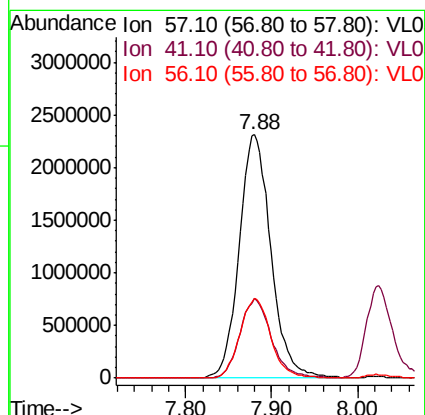
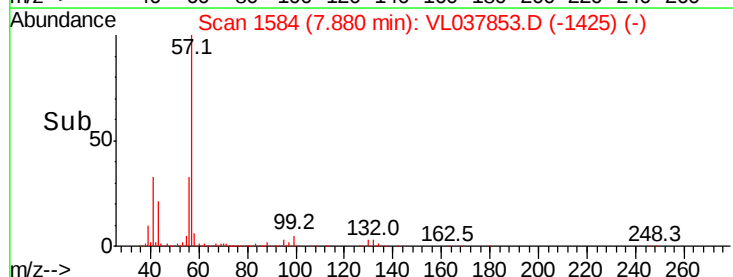
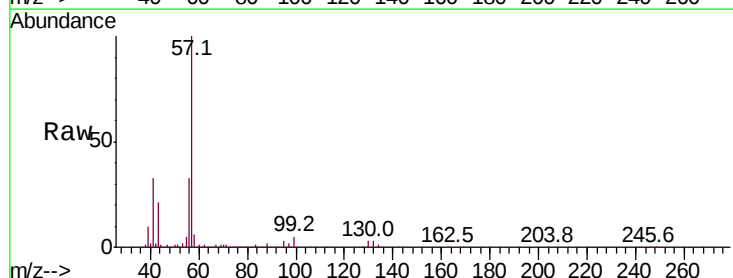
Delta R.T. 0.01 min

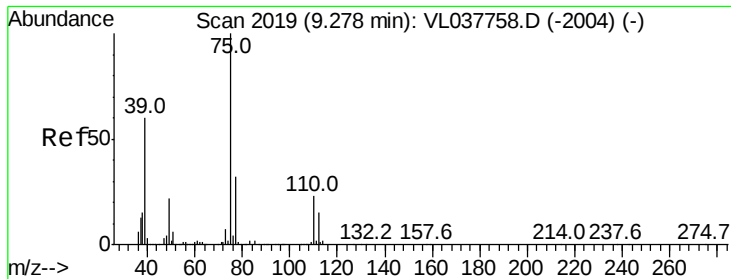
Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

Tgt Ion: 57 Resp: 5912965

Ion	Ratio	Lower	Upper
57	100		
41	32.5	25.6	38.4
56	32.0	25.5	38.3



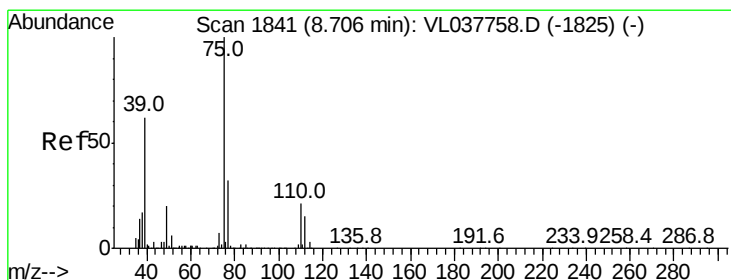
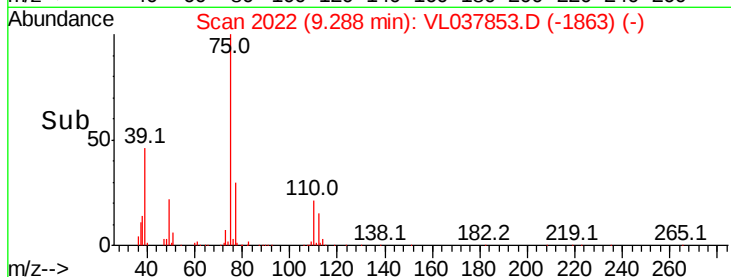
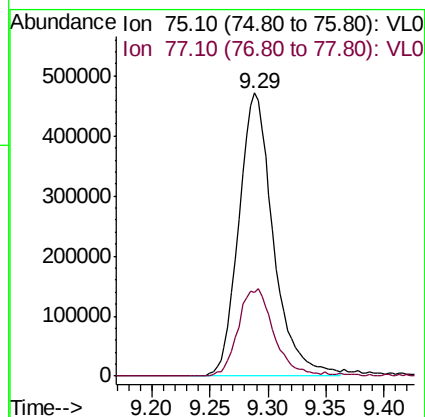
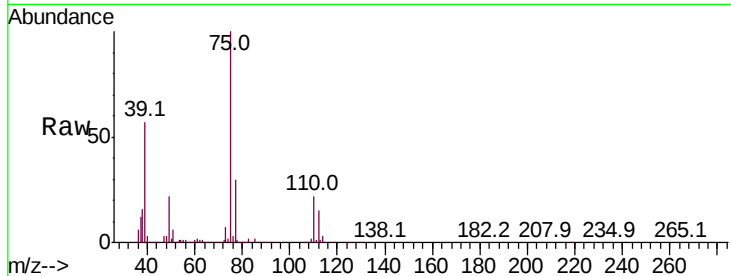


#45
t-1,3-Dichloropropene
Concen: 12.428 ppbv
RT: 9.29
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Oct 2021 14:46

Tot Ion:
Ion Ratio
75 100
77 29.

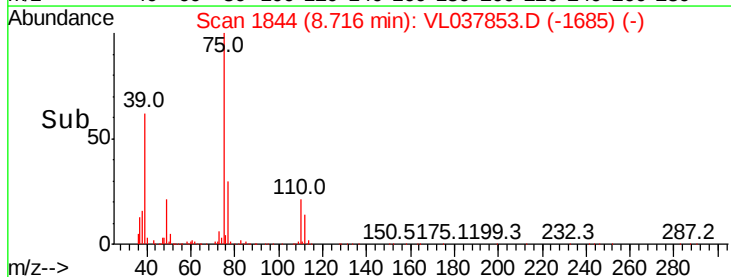
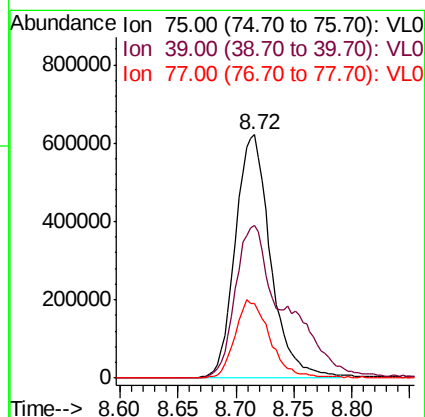
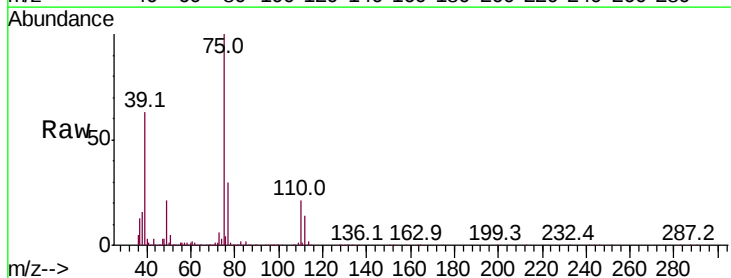
Manual Integrations
APPROVED

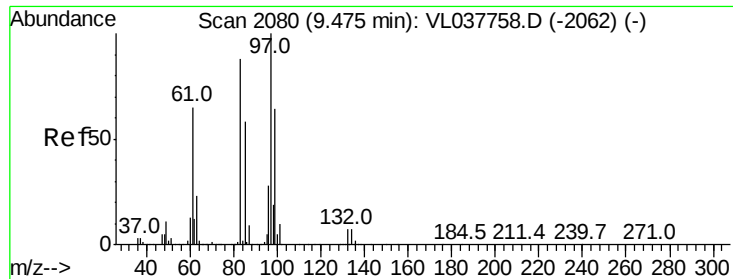
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#46
cis-1,3-Dichloropropene
Concen: 12.116 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion: 75 Resp: 1313547
Ion Ratio Lower Upper
75 100
39 62.4 49.9 74.9
77 30.4 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.184 ppbv

RT: 9.49 Instrument:

Delta R.T. MSVOA_L

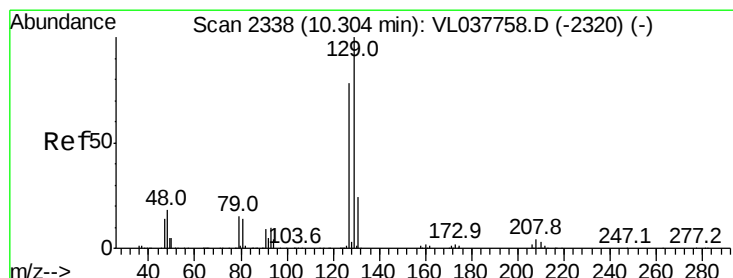
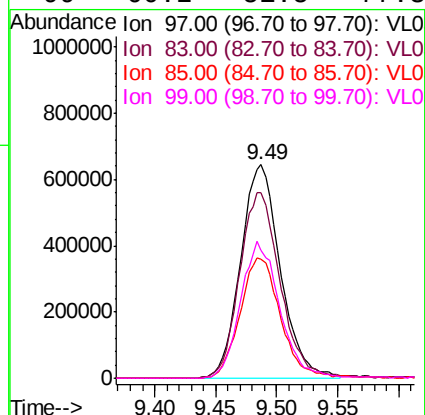
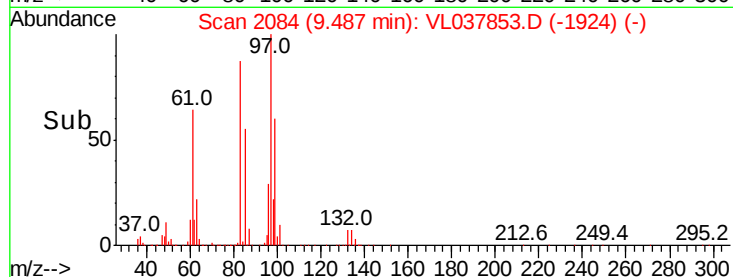
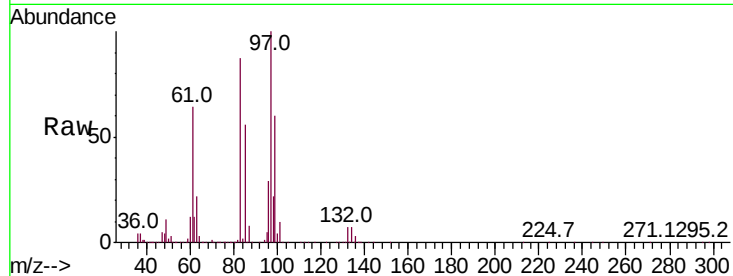
Lab File: ClientSampleId:

Acq: 18 Oct 2021 14:46 VSTDCCC010

Tot Ion:	Ion	Ratio		
97	100			
83	86.			
85	55.			
99	60.2	51.5	77.3	

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#48

Dibromochloromethane

Concen: 11.139 ppbv

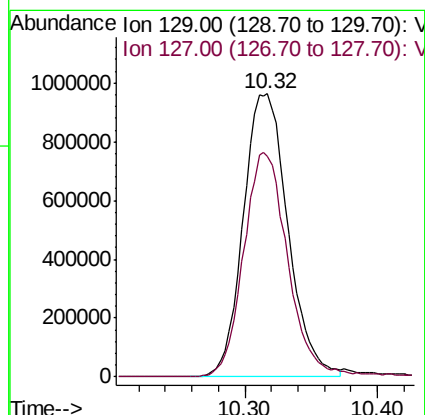
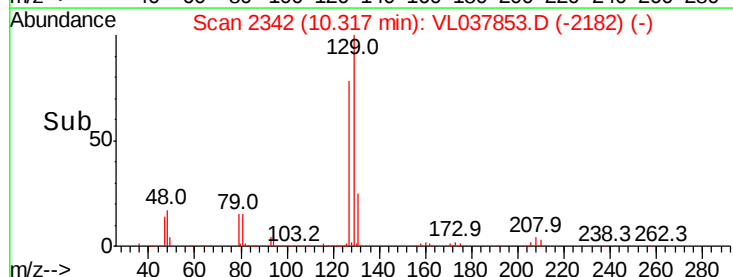
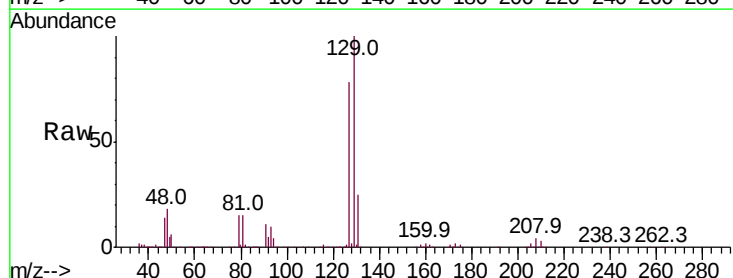
RT: 10.32 min Scan# 2342

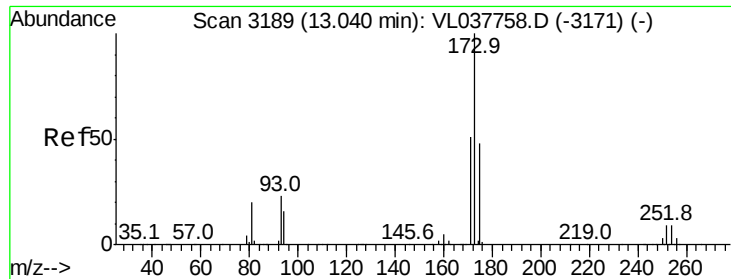
Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

Tgt Ion:	129	Resp:	2259835
Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.5	118.5





#49

Bromoform

Concen: 11.867 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 14:46

Tot Ion:1

Ion Ratio

173 100

175 52.

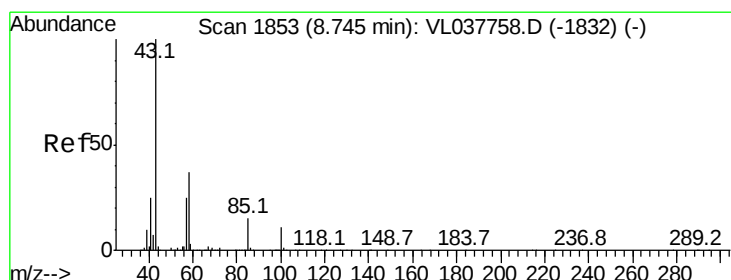
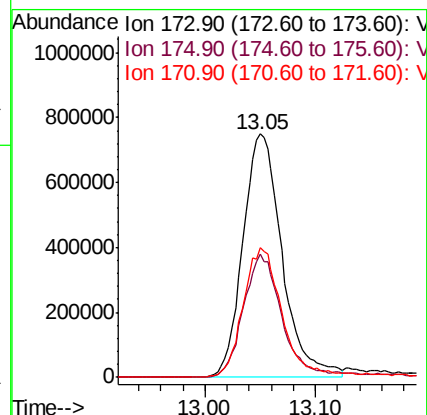
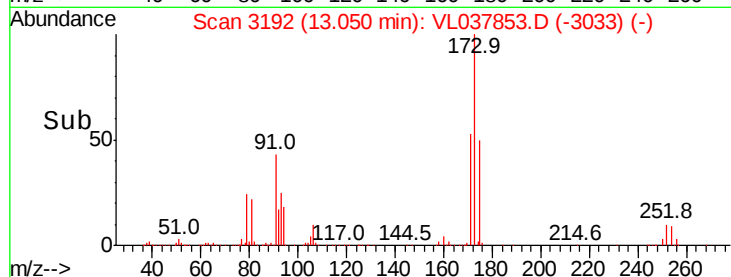
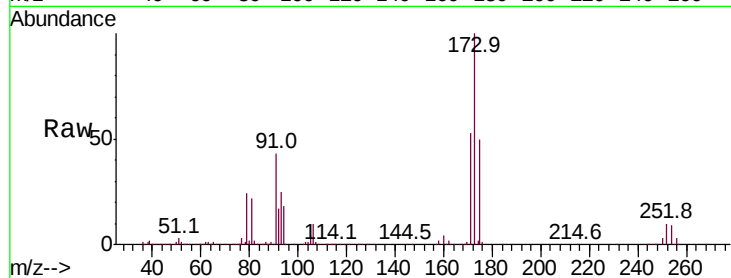
171 53.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#50

4-Methyl-2-Pentanone

Concen: 10.797 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL037853.D

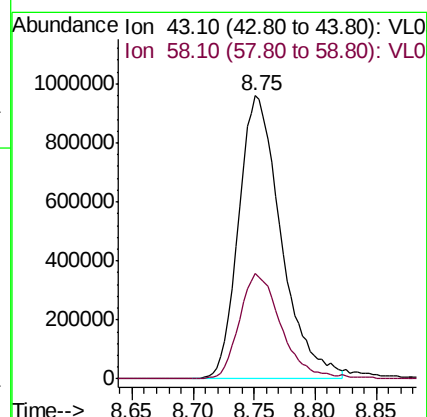
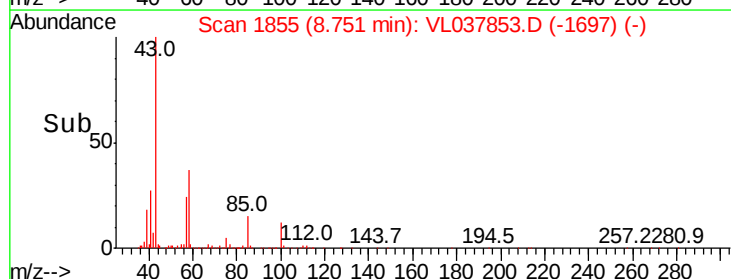
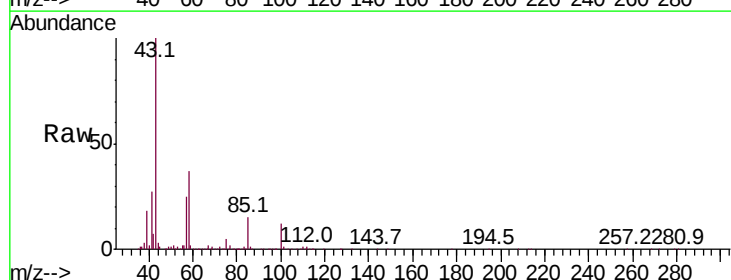
Acq: 18 Oct 2021 14:46

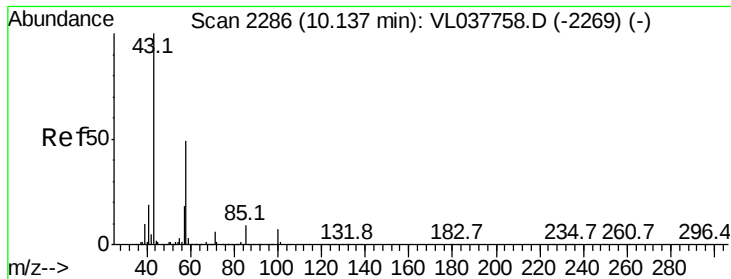
Tgt Ion: 43 Resp: 2311917

Ion Ratio Lower Upper

43 100

58 37.4 29.4 44.0



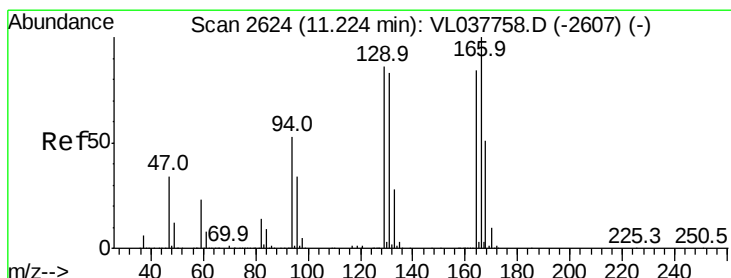
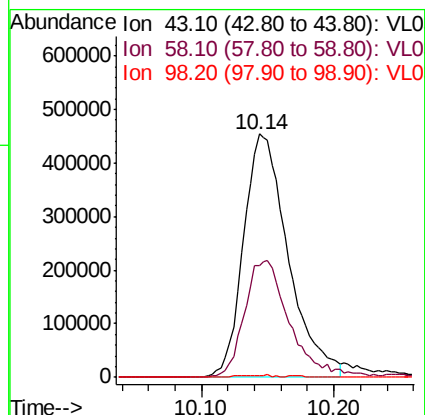
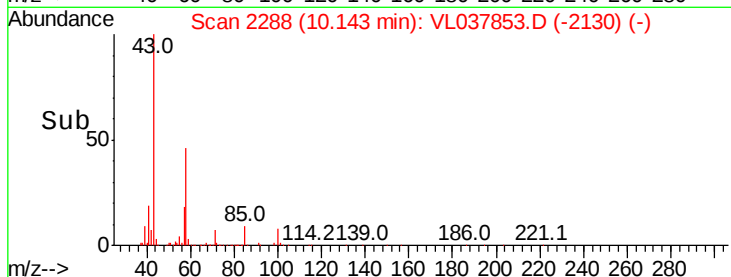
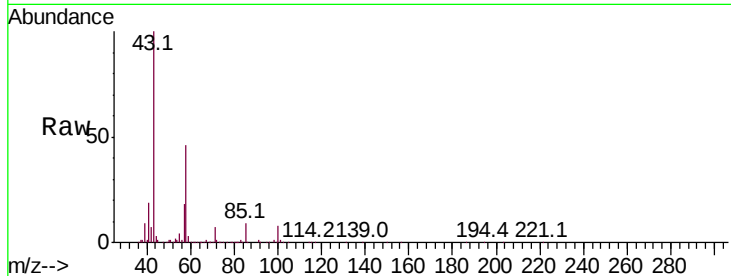


#51
2-Hexanone
Concen: 11.108 ppbv
RT: 10.14 min
Delta R.T.: 0.01 min
Lab File: VSTDCCC010
Acq: 18 Oct 2021 14:46

Tot Ion:
Ion Ratio
43 100
58 50.1
98 1.1

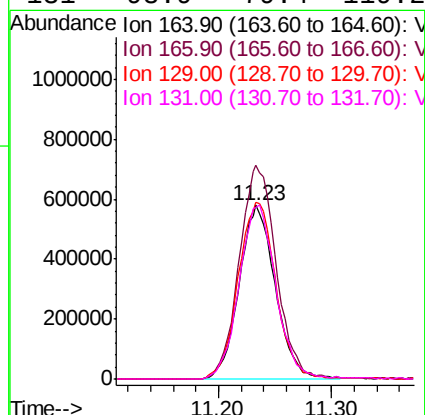
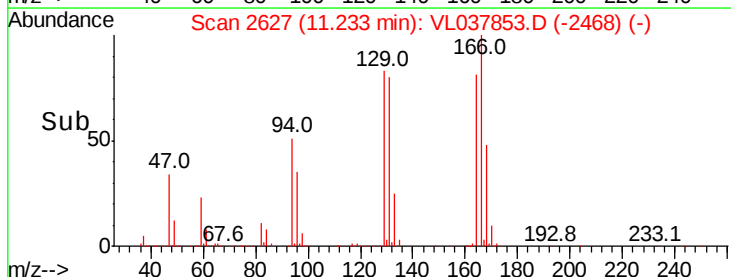
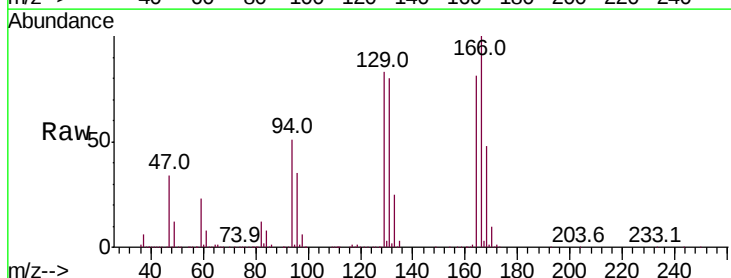
Manual Integrations
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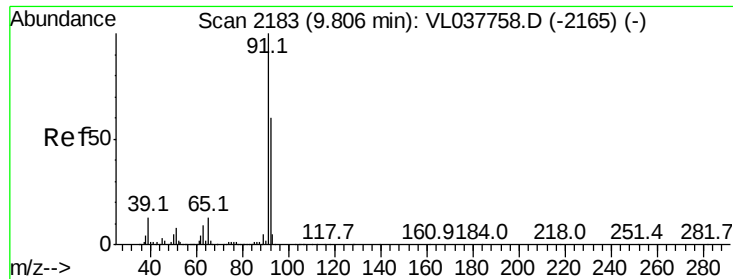
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#52
Tetrachloroethene
Concen: 9.480 ppbv
RT: 11.23 min Scan# 2627
Delta R.T.: 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion:164 Resp: 1283549
Ion Ratio Lower Upper
164 100
166 123.1 95.4 143.2
129 102.1 82.2 123.4
131 98.9 79.4 119.2





#53

Toluene

Concen: 10.684 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 14:46 VSTDCCC010

Tot Ion:

Ion Ratio

91 100

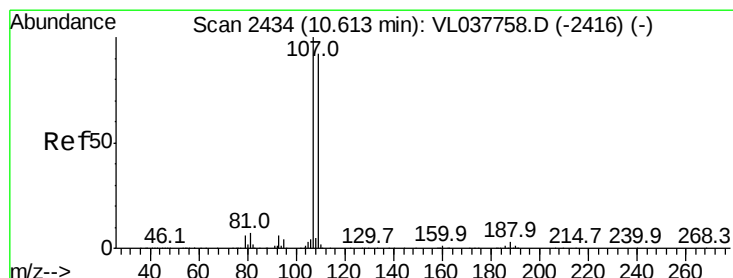
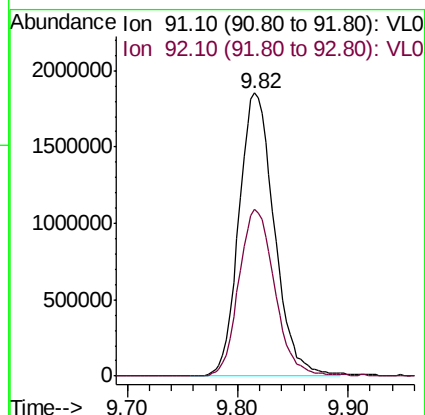
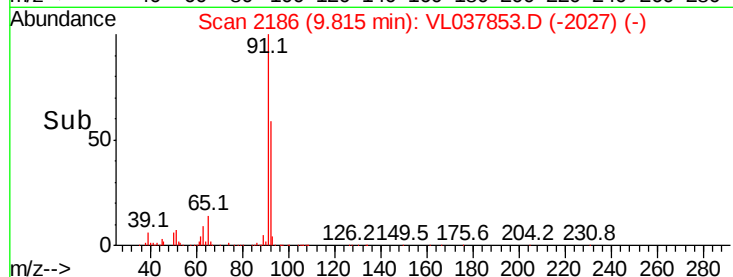
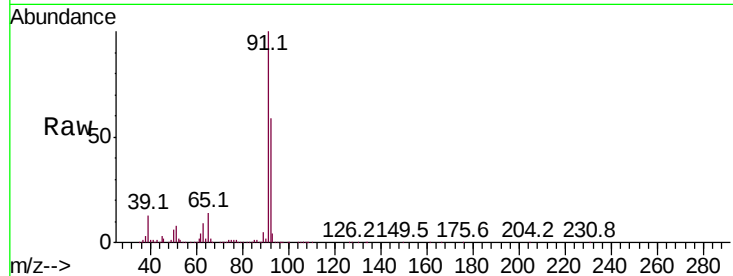
92 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#54

1,2-Dibromoethane

Concen: 10.461 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.01 min

Lab File: VL037853.D

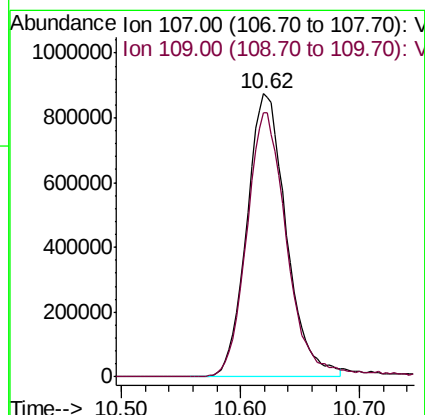
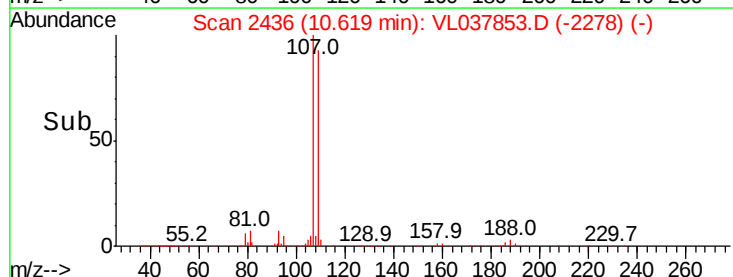
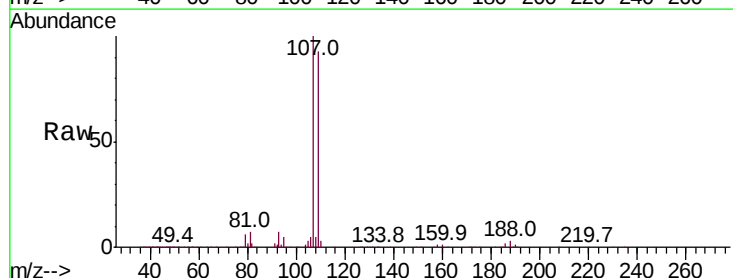
Acq: 18 Oct 2021 14:46

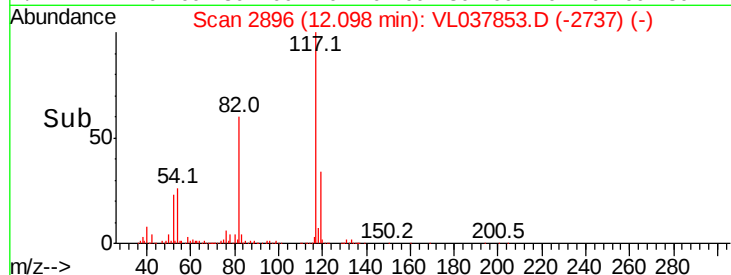
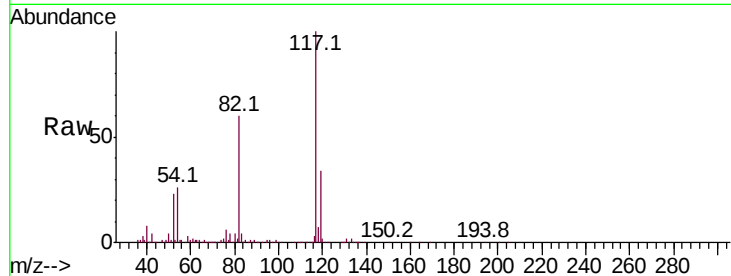
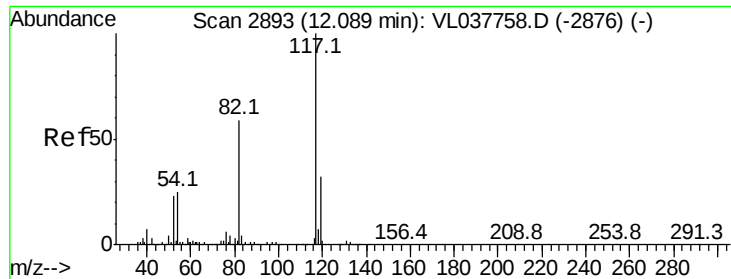
Tgt Ion:107 Resp: 2010880

Ion Ratio Lower Upper

107 100

109 93.2 73.8 110.6



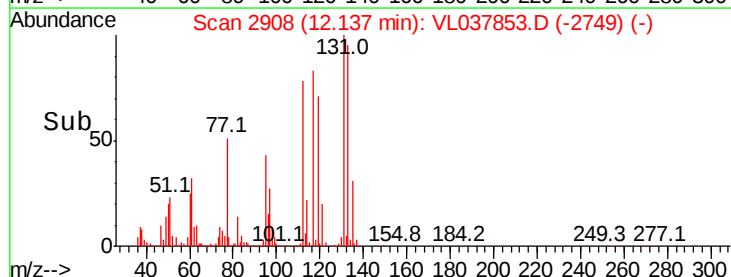
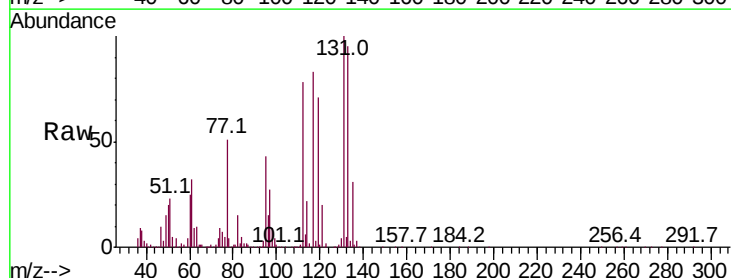
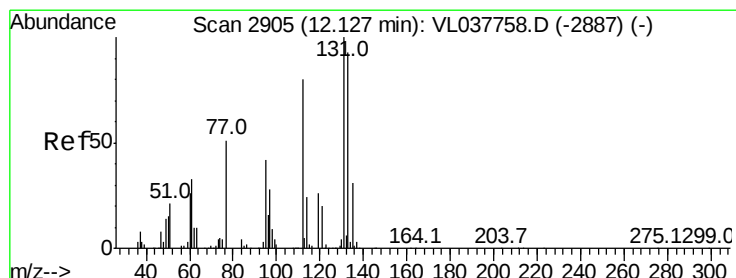
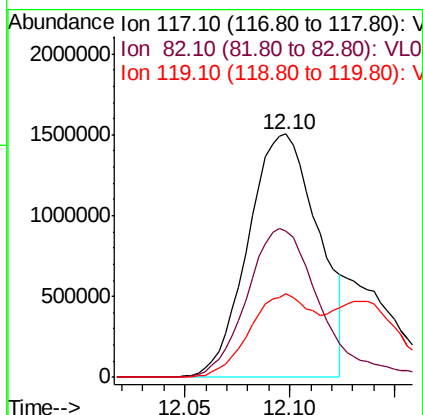


#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 18 Oct 2021 14:40

Tot Ion:1
Ion Rati
117 100
82 66.
119 30.

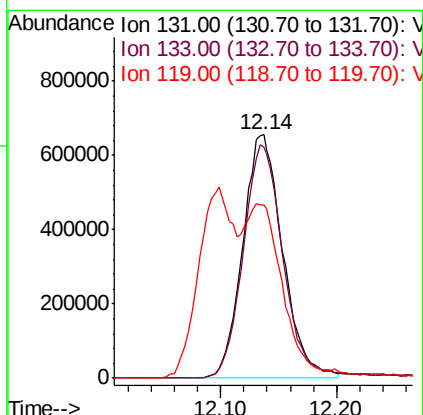
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APPROVED

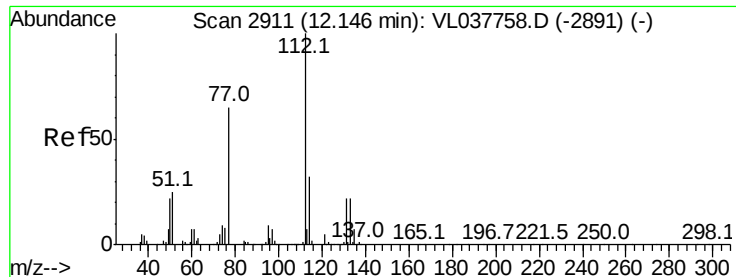
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 10.789 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion:131 Resp: 1566979
Ion Ratio Lower Upper
131 100
133 98.5 78.5 117.7
119 69.0 51.7 77.5





#57

Chlorobenzene

Concen: 10.422 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 14:46

Tot Ion:1

Ion Rati

112 100

77 62.

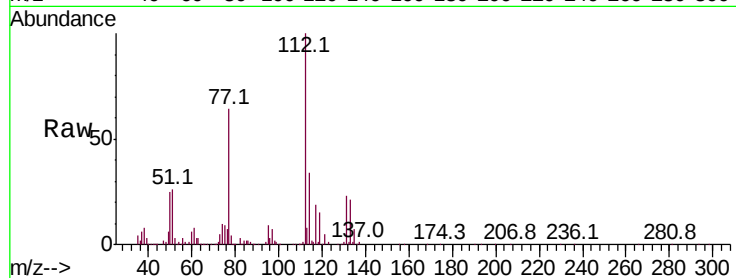
114 33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

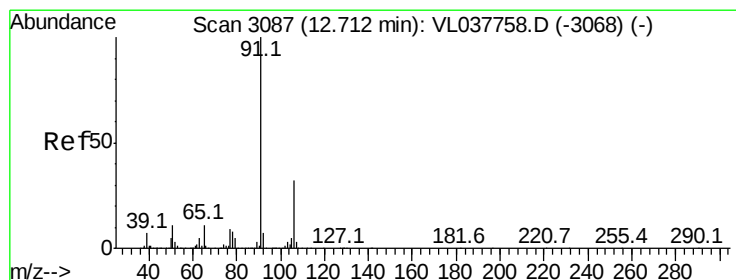
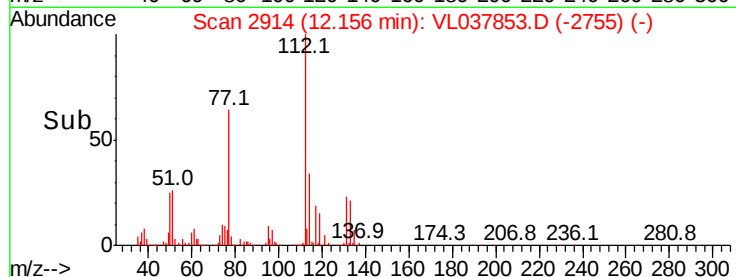
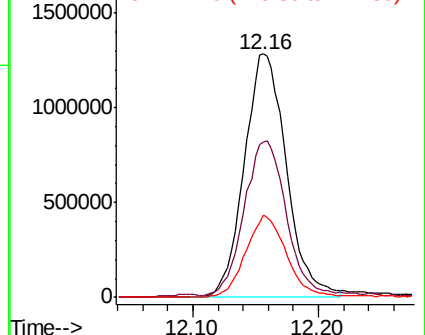
Supervised By :Mahesh Dadoda 10/27/2021



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.138 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.01 min

Lab File: VL037853.D

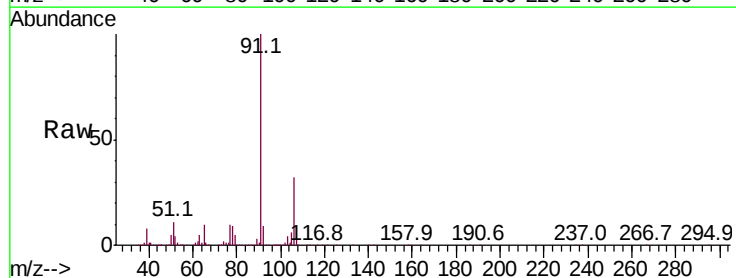
Acq: 18 Oct 2021 14:46

Tgt Ion: 91 Resp: 5247105

Ion Ratio Lower Upper

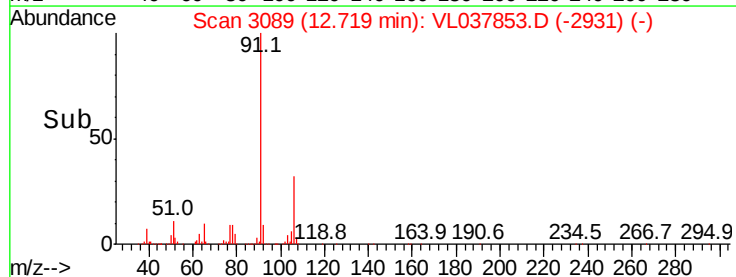
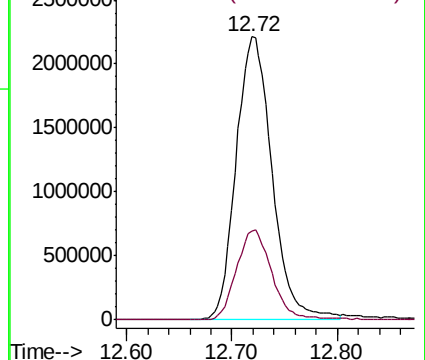
91 100

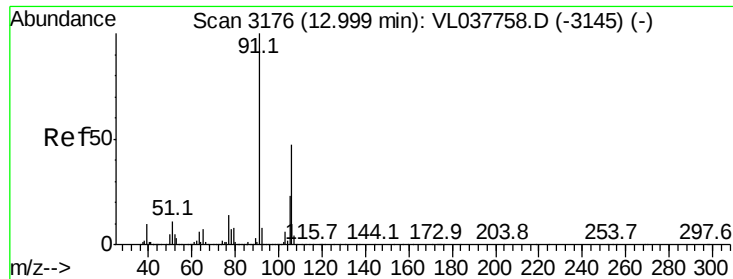
106 31.6 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



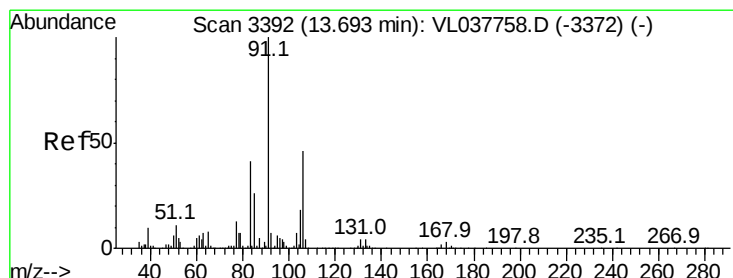
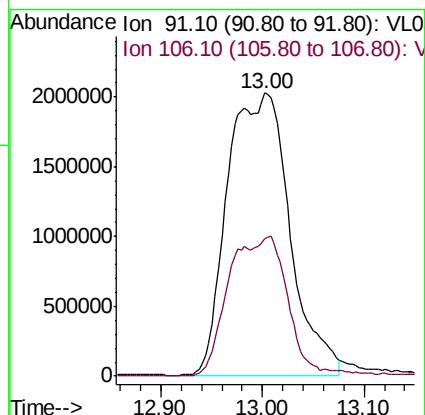
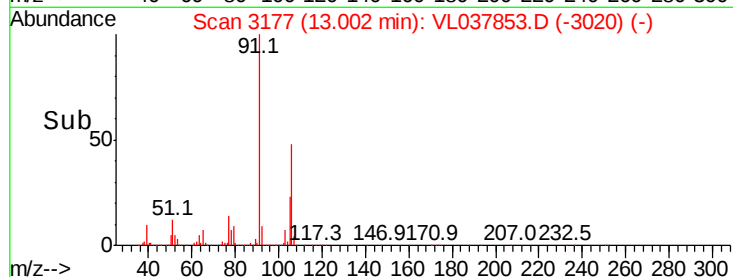
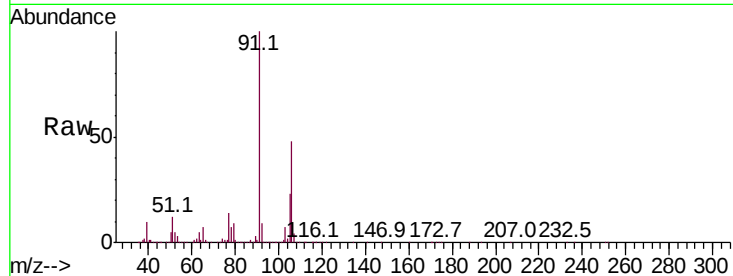


#59
m/p-Xylene
Concen: 21.455 ppbv m
RT: 13.00
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 18 Oct 2021 14:40

Tot Ion:
Ion Ratio
91 100
106 47.

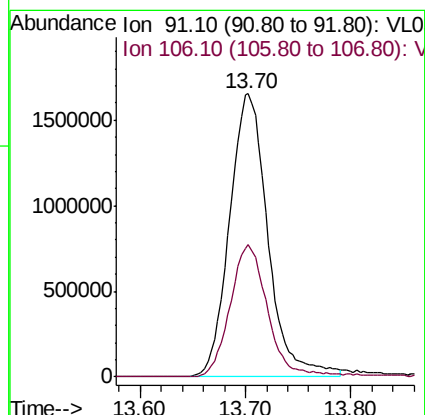
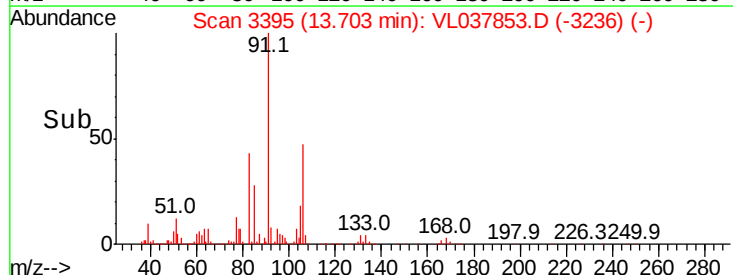
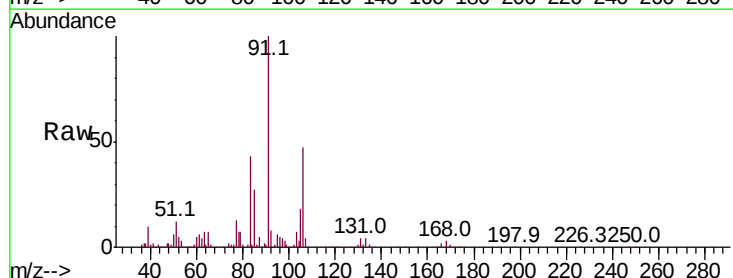
Manual Integrations
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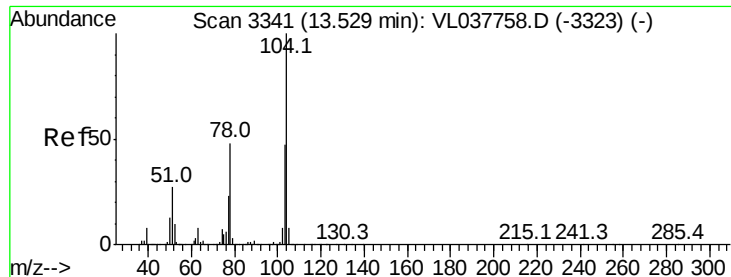
Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#60
o-Xylene
Concen: 10.719 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion: 91 Resp: 4153918
Ion Ratio Lower Upper
91 100
106 47.2 23.5 70.5



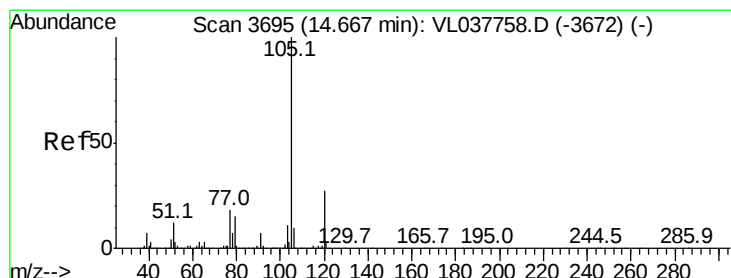
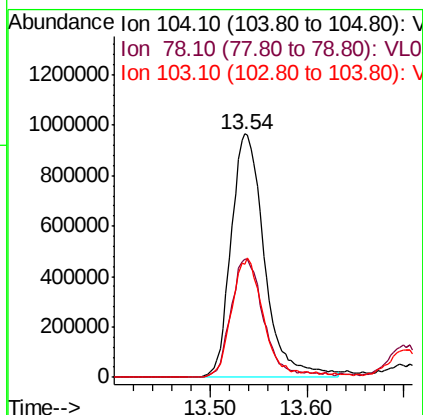
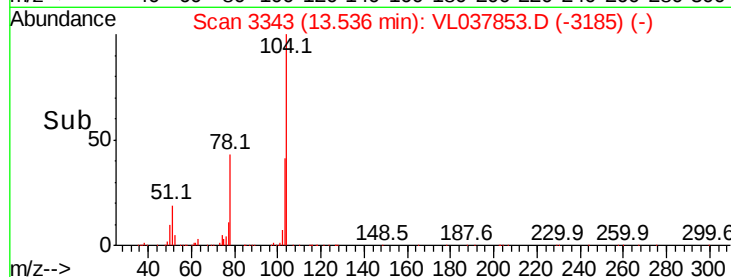
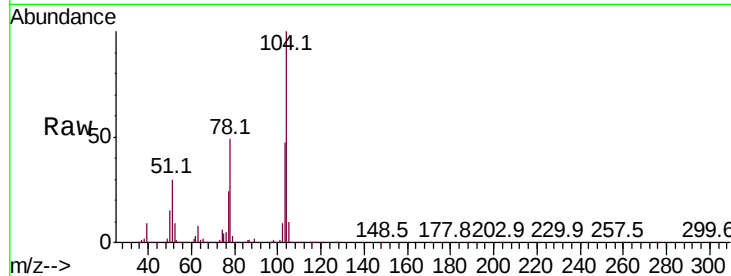


#61
Stvrene
Concen: 12.387 ppbv
RT: 13.54 min
Delta R.T. 0.01 min
Lab File: VSTDCCC010
Acq: 18 Oct 2021 14:46

Tot Ion: 1
Ion Ratio
104 100
78 48.
103 48.

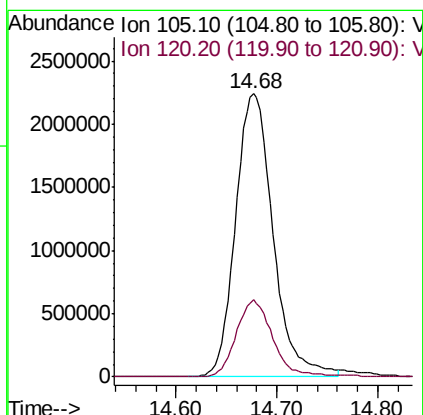
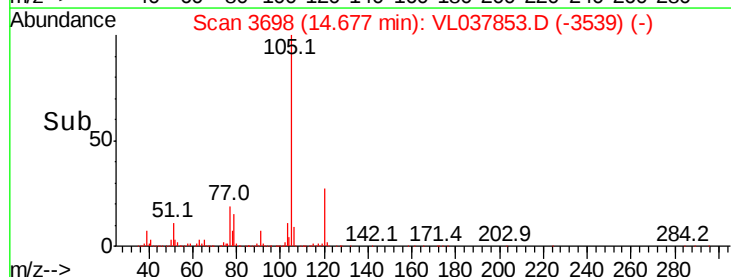
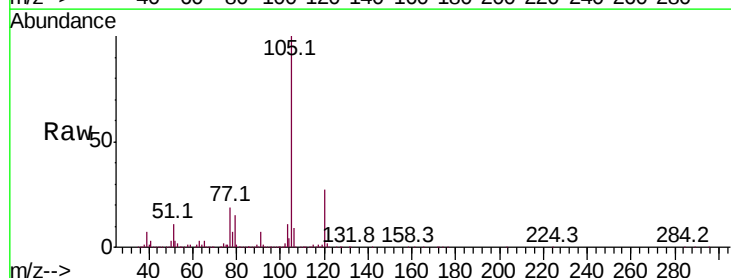
Manual Integrations
APPROVED

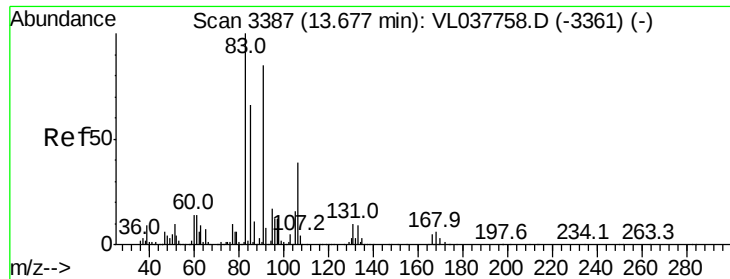
Reviewed By : Semsettin Yesilyurt 10/25/2021
Supervised By : Mahesh Dadoda 10/27/2021



#62
Isopropylbenzene
Concen: 10.706 ppbv
RT: 14.68 min Scan# 3698
Delta R.T. 0.01 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion: 105 Resp: 5787128
Ion Ratio Lower Upper
105 100
120 26.8 21.3 31.9



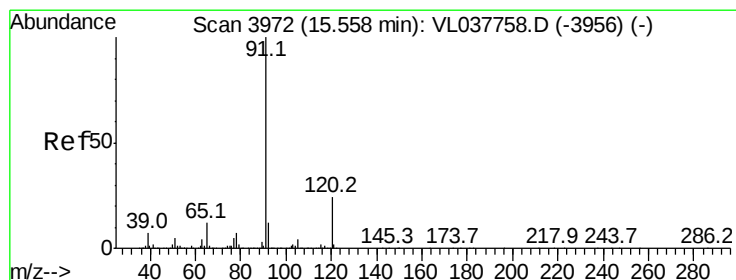
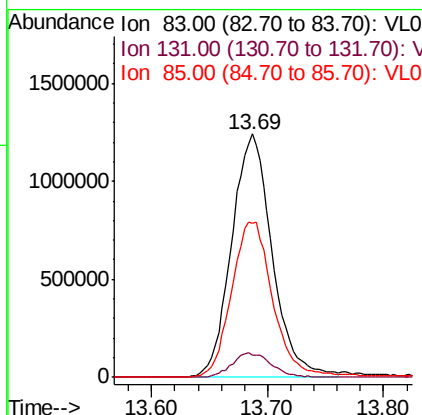
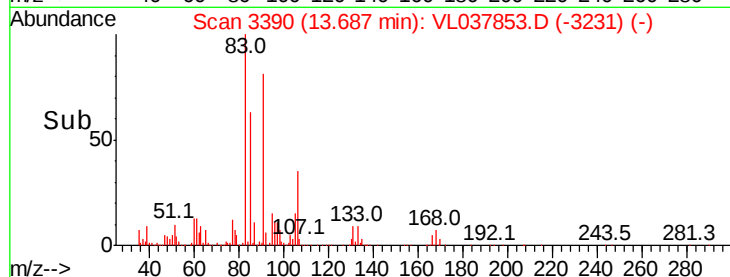
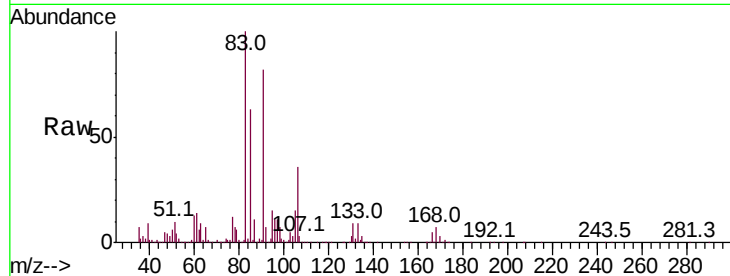


#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.986 ppbv
 RT: 13.69 min
 Delta R.T.: 0.01 min
 Lab File: VSTDCCC010
 Acq: 18 Oct 2021 14:48

Tot Ion:
 Ion Ratio
 83 100
 131 9.
 85 67.

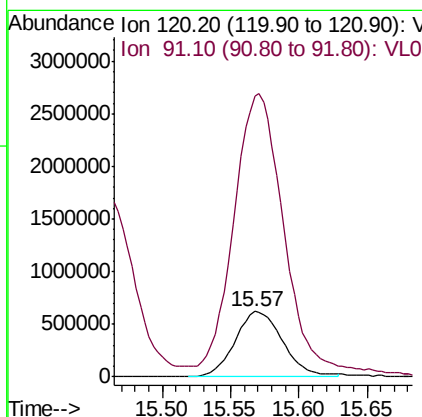
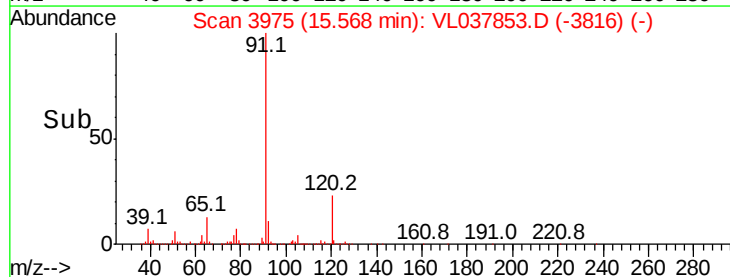
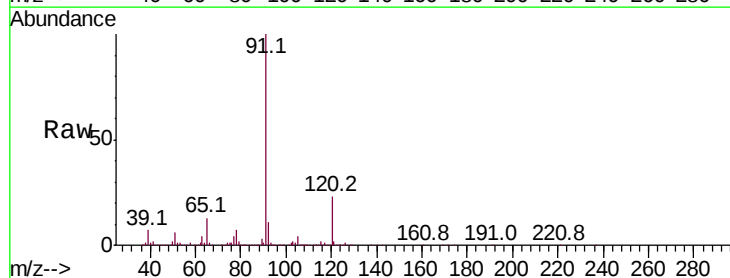
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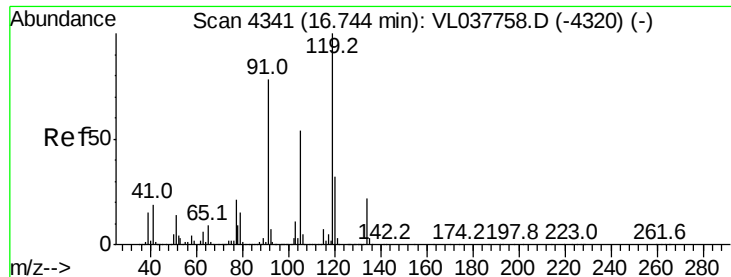
Reviewed By :Semsettin Yesilyurt 10/25/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#64
 n-propylbenzene
 Concen: 11.249 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T.: 0.01 min
 Lab File: VL037853.D
 Acq: 18 Oct 2021 14:46

Tgt Ion:120 Resp: 1516320
 Ion Ratio Lower Upper
 120 100
 91 468.7 375.0 562.6





#65

tert-Butylbenzene

Concen: 10.587 ppbv

RT: 16.75

Delta R.T. MSVOA_1

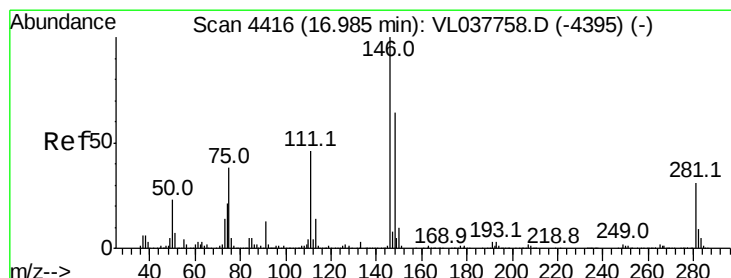
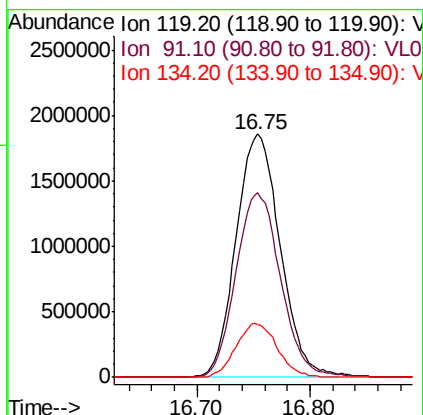
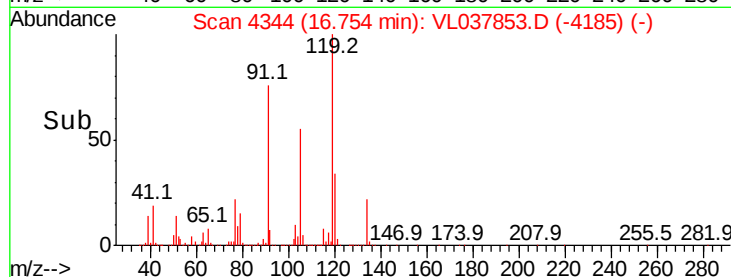
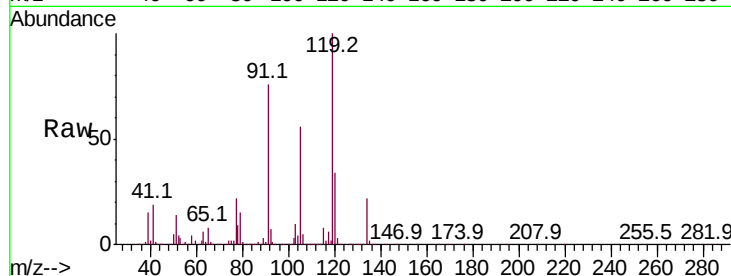
Lab File: ClientSampleId:

Acq: 18 Oct 2021 14:40

Tot Ion:1
Ion Rati
119 100
91 77.
134 20.

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Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#66

Benzyl Chloride

Concen: 11.424 ppbv

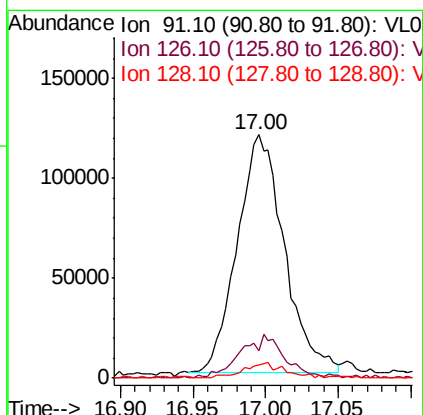
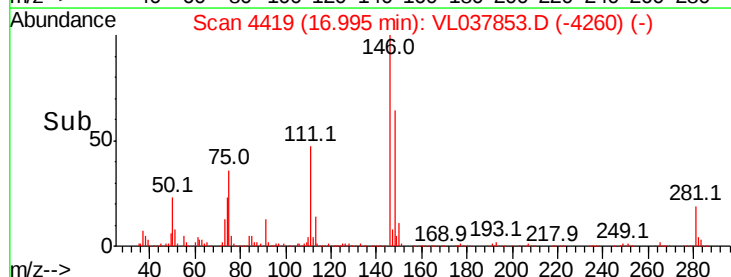
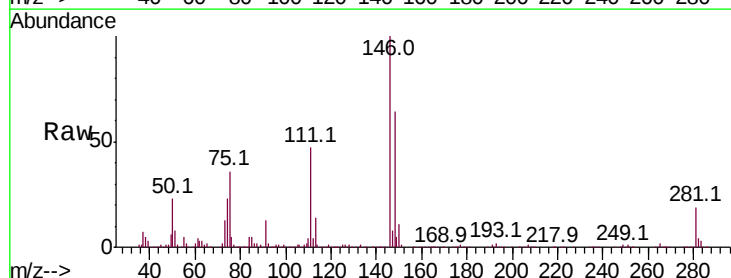
RT: 17.00 min Scan# 4419

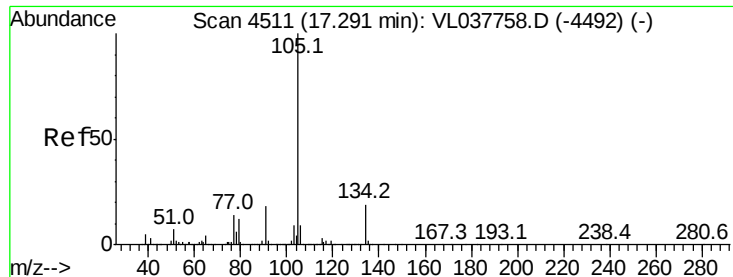
Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

Tgt Ion: 91 Resp: 268185
Ion Ratio Lower Upper
91 100
126 18.0 0.0 0.0#
128 6.1 5.3 7.9





#67

sec-Butylbenzene

Concen: 10.836 ppbv

RT: 17.30

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 18 Oct 2021 14:46

Tot Ion:1

Ion Rati

105 100

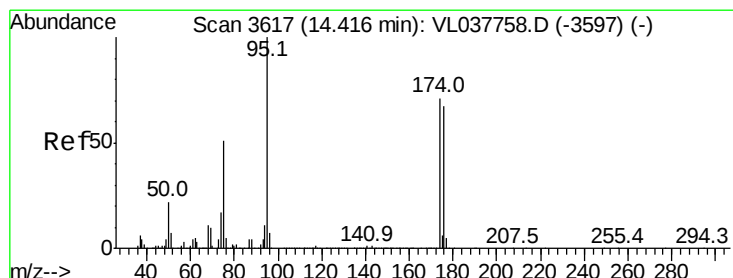
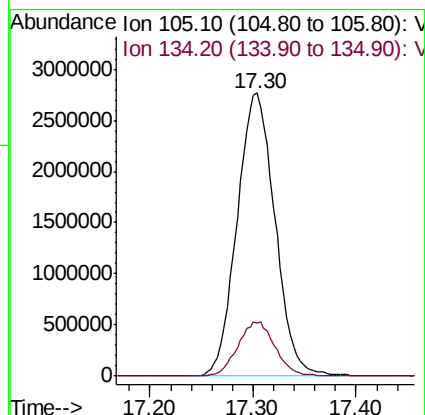
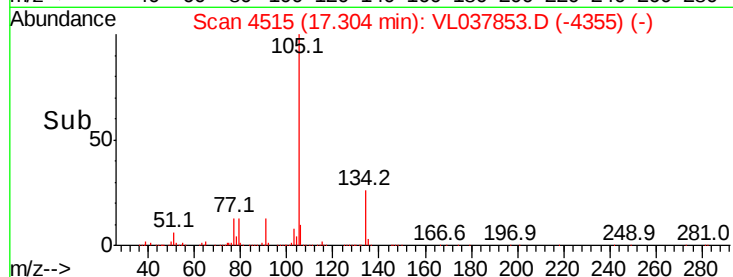
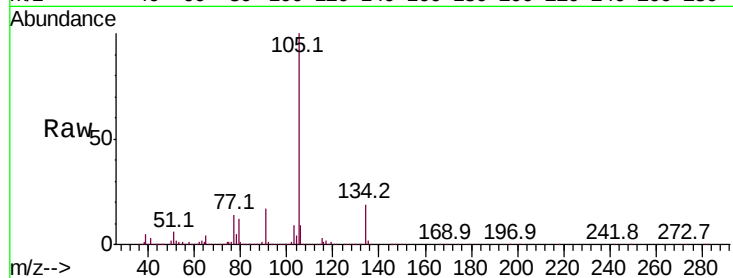
134 19.

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 11.060 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

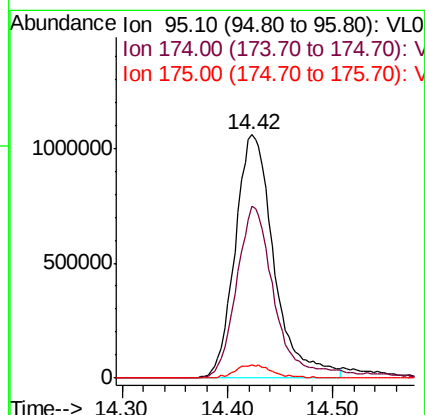
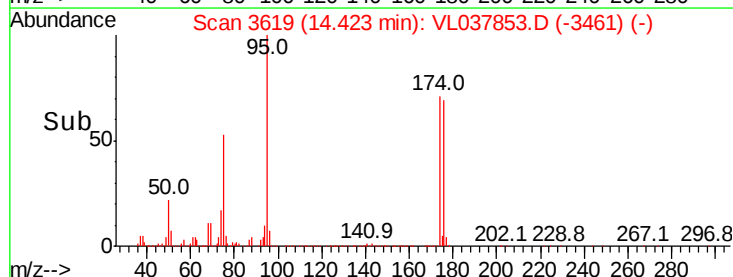
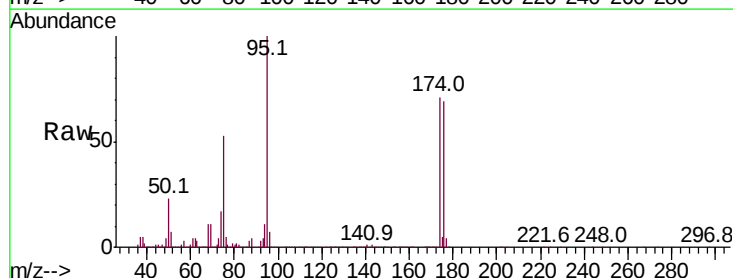
Tgt Ion: 95 Resp: 2713465

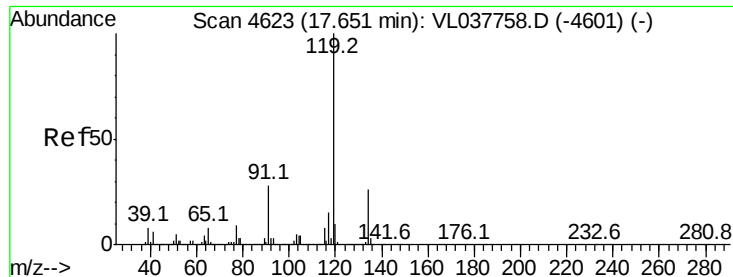
Ion Ratio Lower Upper

95 100

174 71.5 57.8 86.6

175 5.5 4.7 7.1



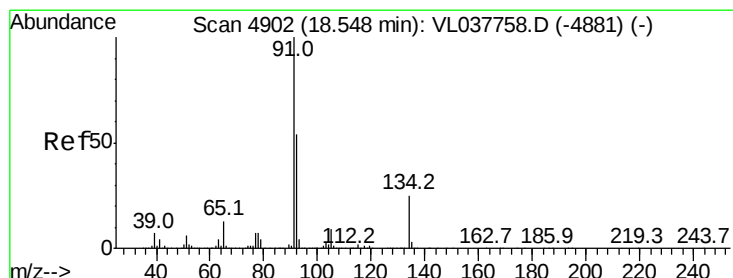
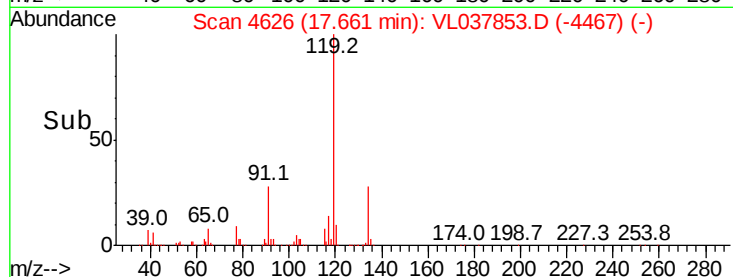
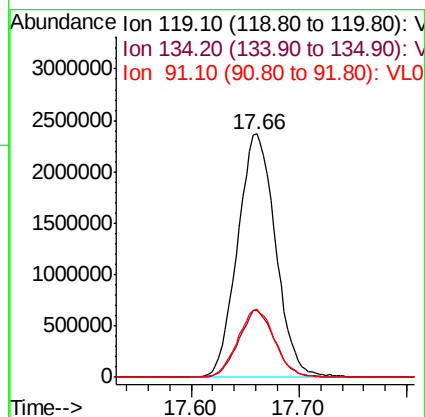
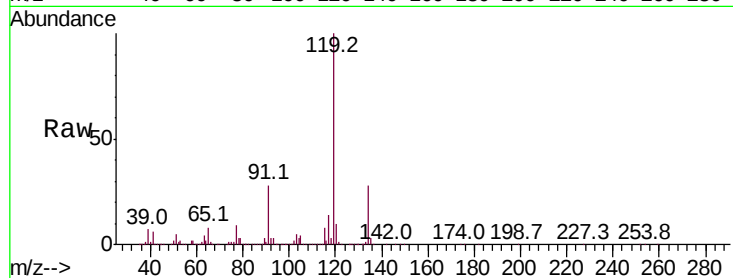


#69
 p-Isopropyltoluene
 Concen: 11.018 ppbv
 RT: 17.66 min
 Delta R.T.: 0.01 min
 Lab File: VSTDCCC010
 Acq: 18 Oct 2021 14:46

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

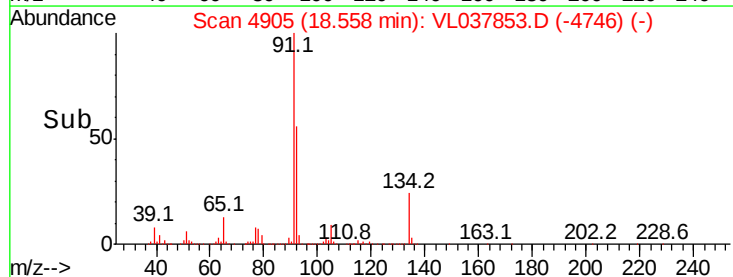
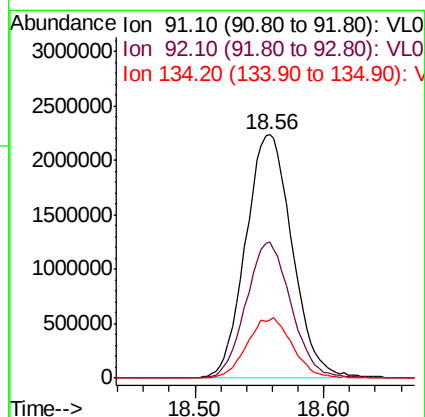
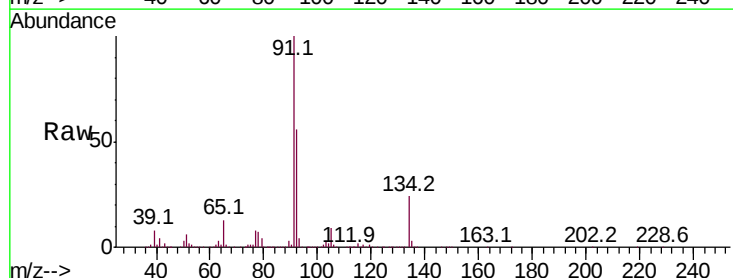
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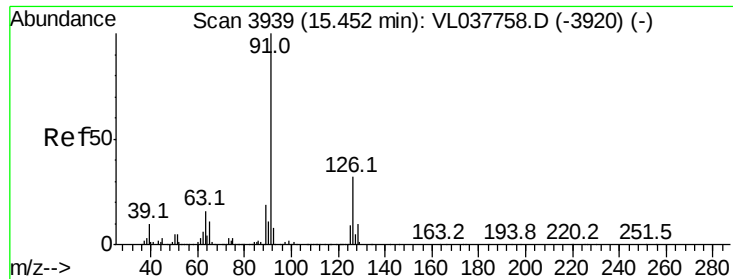
Reviewed By : Semsettin Yesilyurt 10/25/2021
 Supervised By : Mahesh Dadoda 10/27/2021



#70
 n-Butylbenzene
 Concen: 11.187 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T.: 0.01 min
 Lab File: VL037853.D
 Acq: 18 Oct 2021 14:46

Tgt Ion: 91 Resp: 5589425
 Ion Ratio Lower Upper
 91 100
 92 54.6 43.4 65.0
 134 24.4 19.8 29.6





#71

2-Chlorotoluene

Concen: 10.908 ppbv

RT: 15.46

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 14:46

Tot Ion:

Ion Ratio

91 100

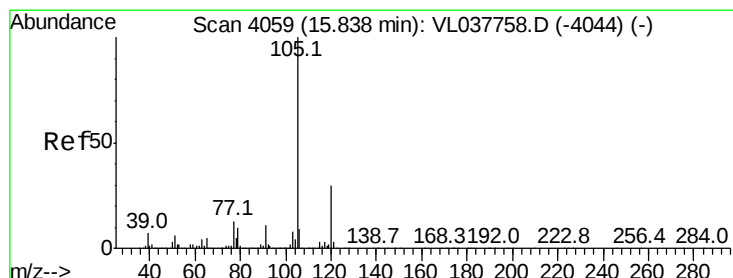
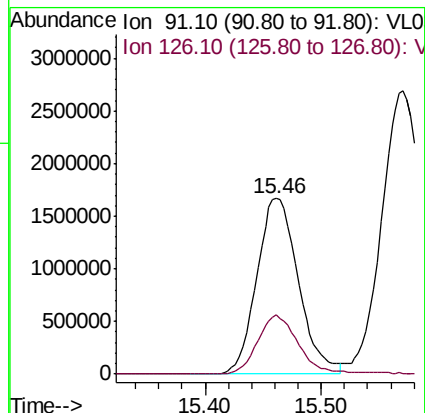
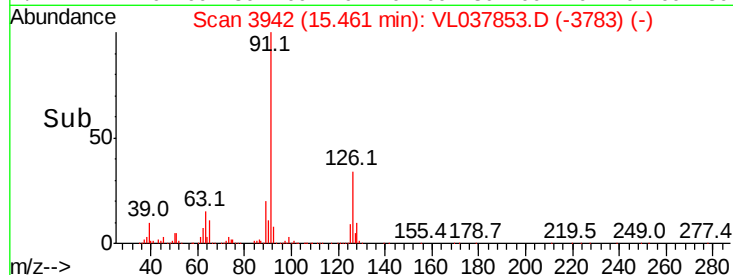
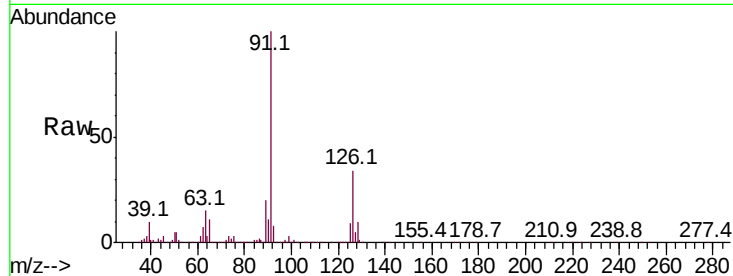
126 33.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#72

4-Ethyltoluene

Concen: 11.017 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

Tgt Ion:105 Resp: 4848040

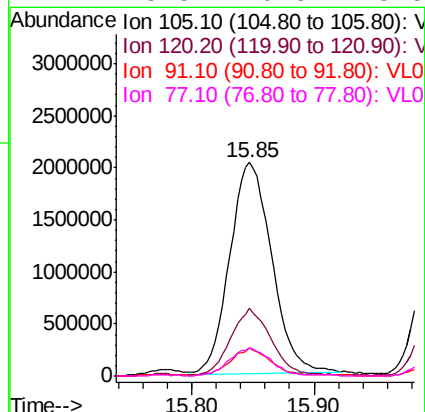
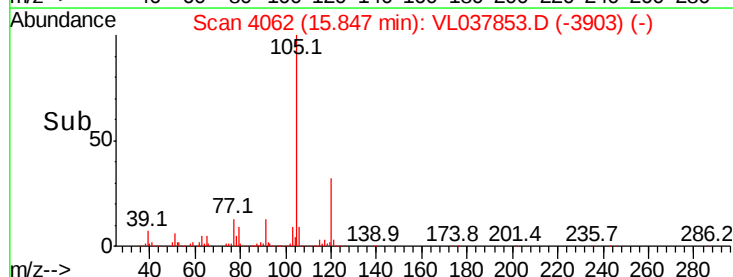
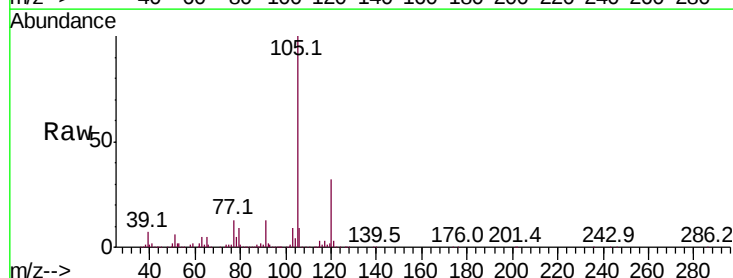
Ion Ratio Lower Upper

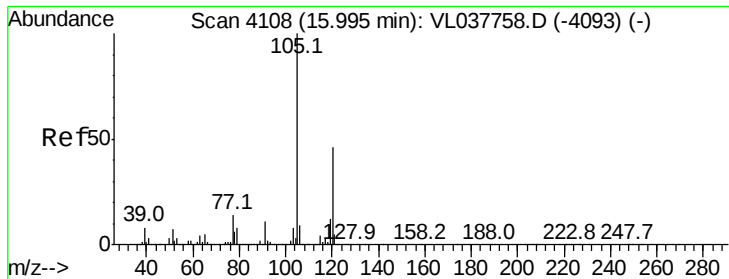
105 100

120 31.6 24.2 36.2

91 12.5 10.4 15.6

77 13.5 10.3 15.5



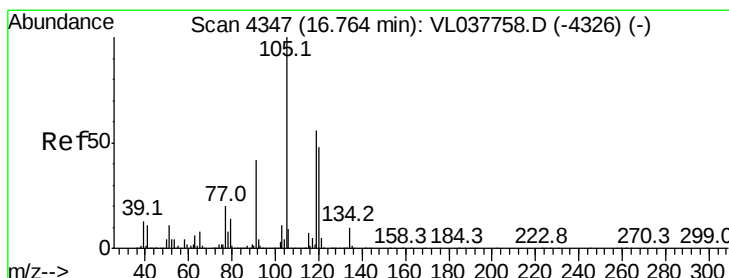
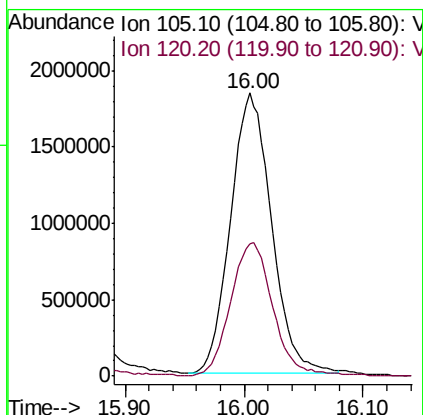
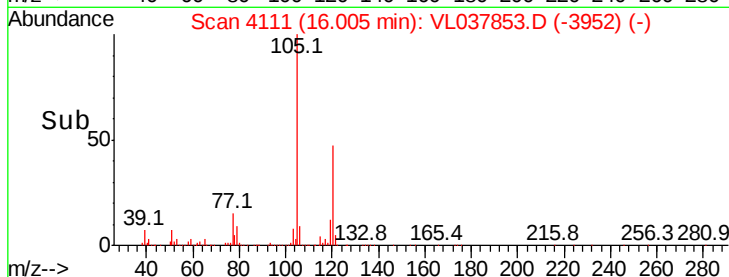
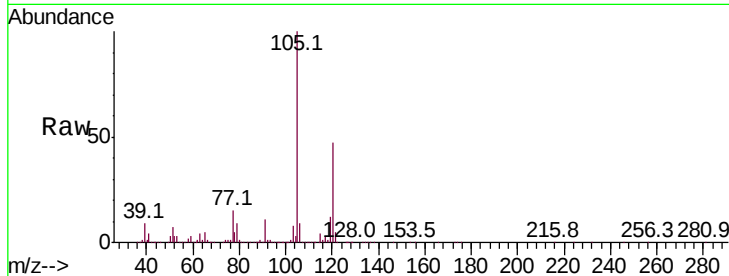


#73
 1,3,5-Trimethylbenzene
 Concen: 10.951 ppbv
 RT: 16.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 18 Oct 2021 14:46

Tot Ion:1
 Ion Rati
 105 100
 120 46.

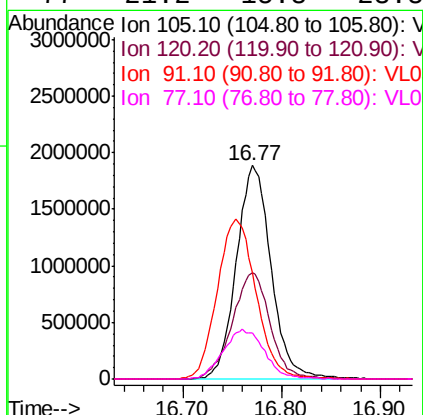
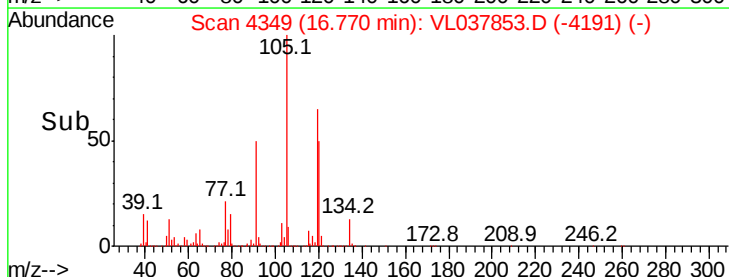
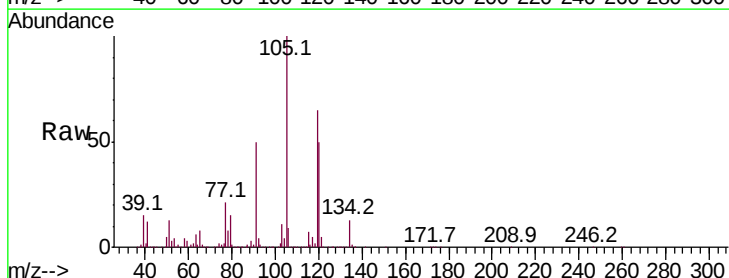
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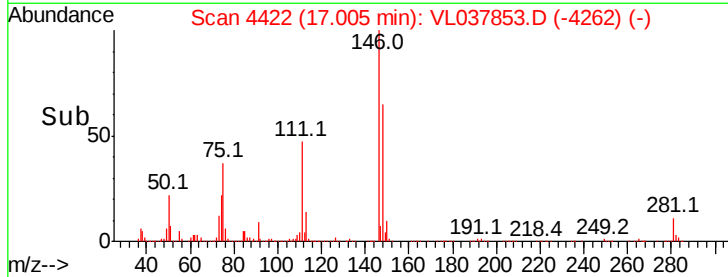
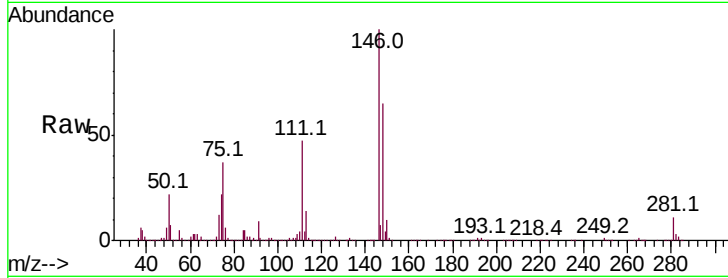
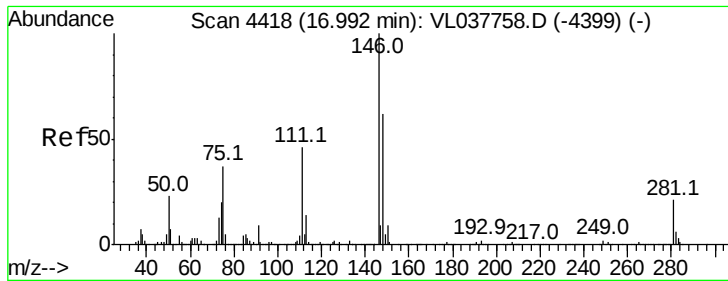
Reviewed By :Semsettin Yesilyurt 10/25/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 10.985 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.01 min
 Lab File: VL037853.D
 Acq: 18 Oct 2021 14:46

Tgt Ion:105 Resp: 4610711
 Ion Ratio Lower Upper
 105 100
 120 49.4 38.4 57.6
 91 49.5 34.2 51.2
 77 21.2 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 10.589 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 14:40

Tot Ion:1

Ion Rati

146 100

111 46.

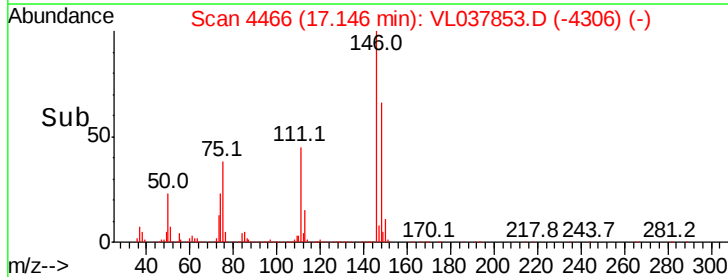
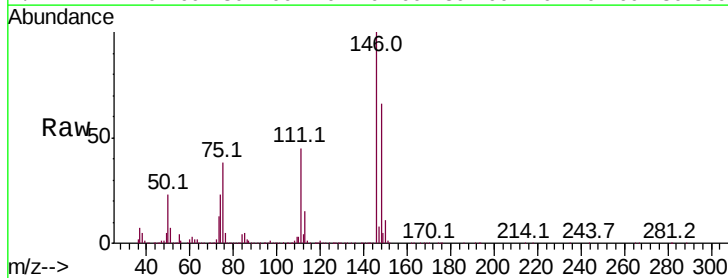
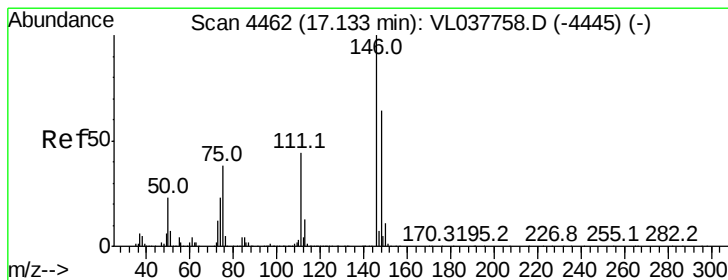
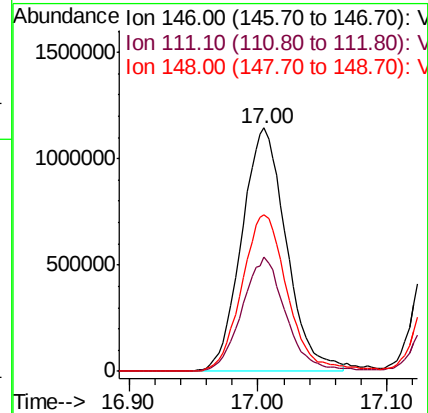
148 65.

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#76

1,4-Dichlorobenzene

Concen: 10.608 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

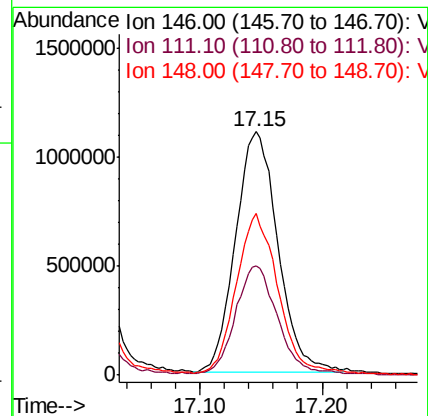
Tgt Ion:146 Resp: 2631587

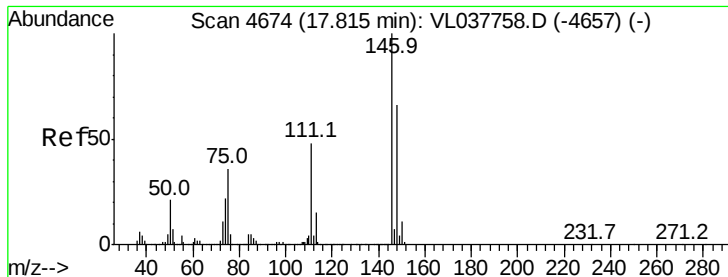
Ion Ratio Lower Upper

146 100

111 46.4 22.4 67.3

148 67.9 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 10.655 ppbv

RT: 17.82

Delta R.T. MSVOA_1

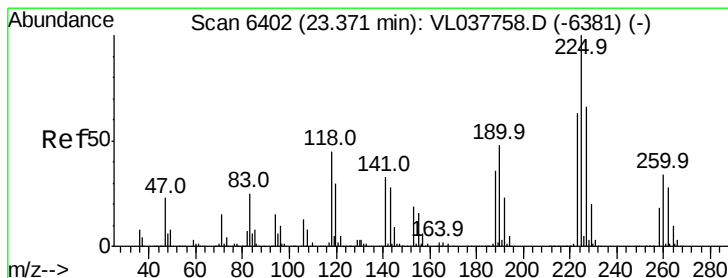
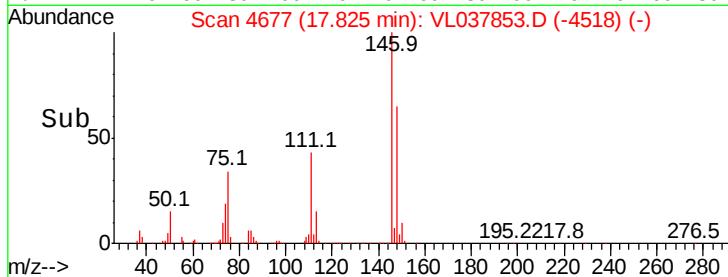
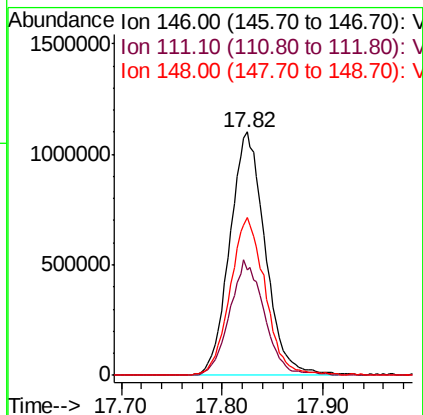
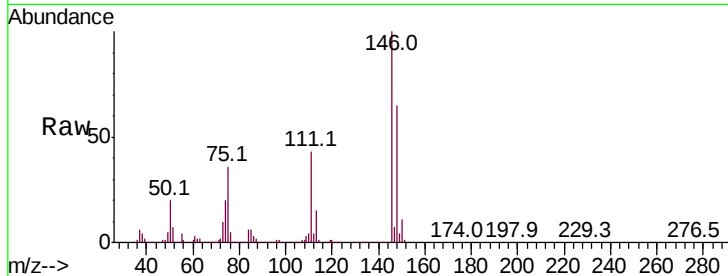
Lab File: ClientSampleId :

Acq: 18 Oct 2021 14:46

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

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Reviewed By :Semsettin Yesilyurt 10/25/2021
Supervised By :Mahesh Dadoda 10/27/2021



#78

Hexachloro-1,3-Butadiene

Concen: 8.935 ppbv

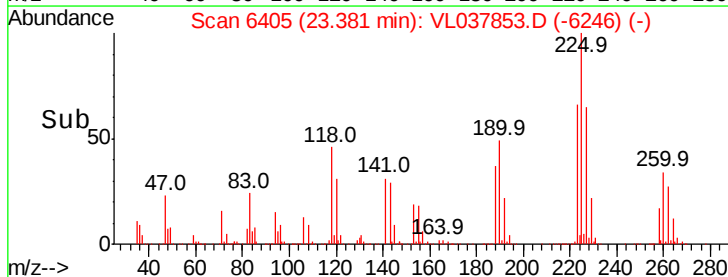
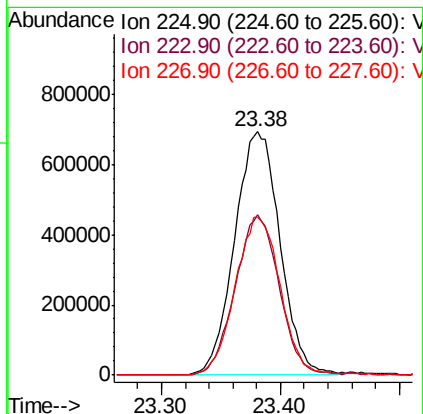
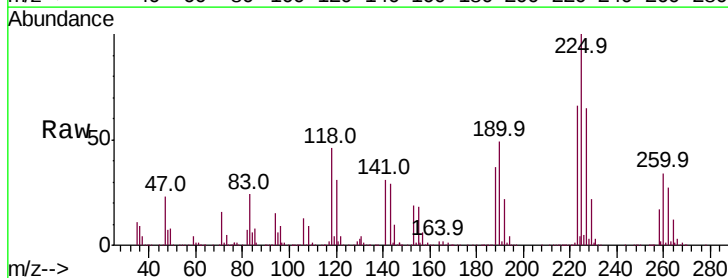
RT: 23.38 min Scan# 6405

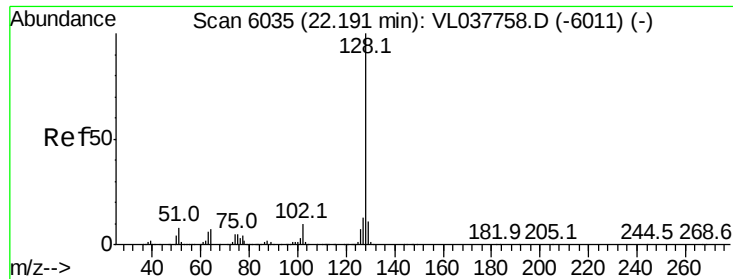
Delta R.T. 0.01 min

Lab File: VL037853.D

Acq: 18 Oct 2021 14:46

Tgt Ion:225 Resp: 1822466
Ion Ratio Lower Upper
225 100
223 64.6 51.2 76.8
227 65.3 51.1 76.7



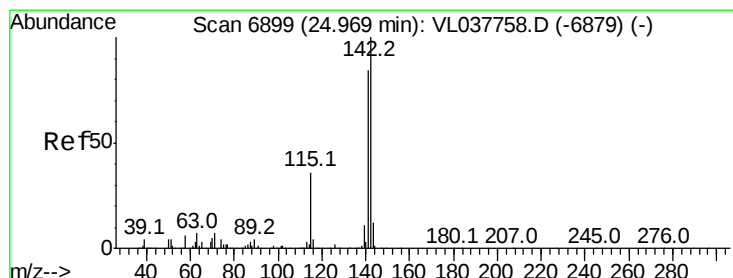
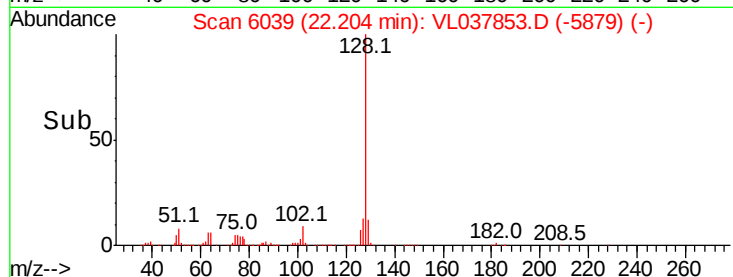
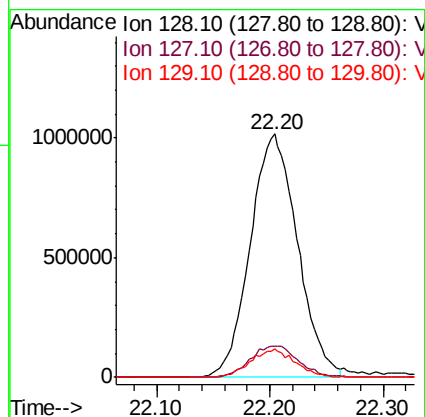
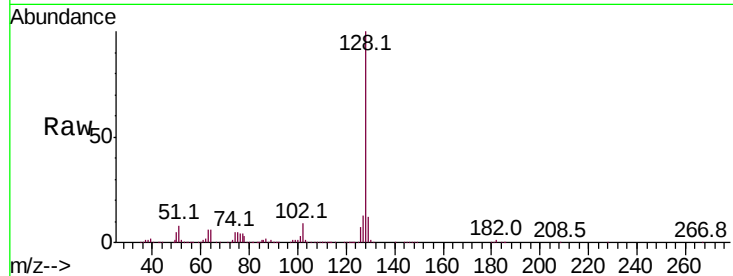


#79
Naphthalene
Concen: 11.432 ppbv
RT: 22.20
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: VSTDCCC010
Acq: 18 Oct 2021 14:46

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

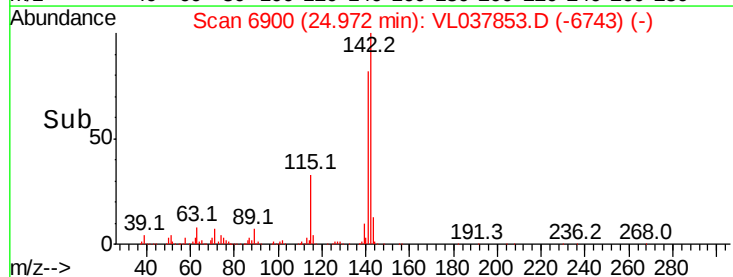
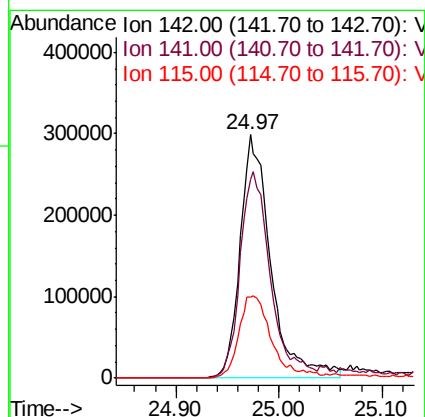
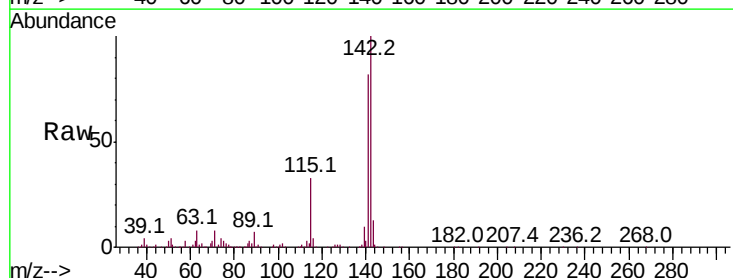
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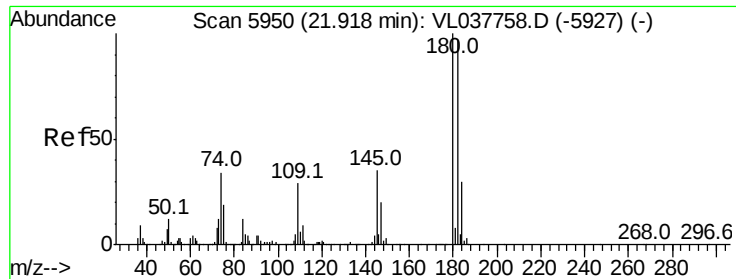
Reviewed By : Semsettin Yesilyurt 10/25/2021
Supervised By : Mahesh Dadoda 10/27/2021



#80
Naphthalene, 2-methyl-
Concen: 9.007 ppbv
RT: 24.97 min Scan# 6900
Delta R.T.: 0.00 min
Lab File: VL037853.D
Acq: 18 Oct 2021 14:46

Tgt Ion: 142 Resp: 621718
Ion Ratio Lower Upper
142 100
141 88.0 68.6 102.8
115 36.7 29.0 43.6





#81
 1,2,4-Trichlorobenzene
 Concen: 10.979 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 18 Oct 2021 14:48

Tot Ion:1
 Ion Rati
 180 100
 182 96.
 184 30.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021
 Supervised By :Mahesh Dadoda 10/27/2021

