

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038024.D
 Acq On : 16 Nov 2021 2:28
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Nov 16 09:47:29 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	5.66	49	901320	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3252355	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3182496	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2203193	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	349055	2.577 ppbv	97
3) Chlorodifluoromethane	2.99	51	467887	2.615 ppbv	99
4) Chloromethane	3.15	50	160769	2.386 ppbv	95
5) Vinyl Chloride	3.26	62	150772	2.352 ppbv	96
6) Bromomethane	3.48	94	84082	2.426 ppbv	95
7) Chloroethane	3.56	64	52916	2.273 ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	384317	2.500 ppbv	99
9) Propene	3.01	41	176119	2.701 ppbv	97
10) Heptane	8.12	43	444172	2.955 ppbv	99
11) Trichlorofluoromethane	3.95	101	363769	2.705 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	277827	2.646 ppbv	98
13) Ethanol	3.63	45	15082m	2.381 ppbv	
14) Bromoethene	3.74	108	115129m	2.551 ppbv	
15) Acetone	3.86	43	215760m	2.731 ppbv	
16) 1,3-Butadiene	3.33	39	161672	2.607 ppbv	99
17) tert-Butyl alcohol	4.31	59	257190	2.858 ppbv	98
18) 1,1-Dichloroethene	4.29	96	130038m	2.677 ppbv	
19) Isopropyl Alcohol	3.99	45	135068m	2.600 ppbv	
20) Methylene Chloride	4.35	84	123197m	2.842 ppbv	
21) Allyl Chloride	4.41	41	213348	2.855 ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	124118	2.539 ppbv	97
23) Vinyl Acetate	5.08	43	338009m	2.737 ppbv	
24) 1,1-Dichloroethane	5.01	63	272244	2.716 ppbv	99
25) Ethyl Acetate	5.68	43	558956	2.497 ppbv #	97
26) Hexane	5.69	57	273551	2.566 ppbv	99
27) Carbon Disulfide	4.55	76	332626	2.949 ppbv	95
28) Methyl tert-Butyl Ether	5.04	73	318242	3.161 ppbv	99
29) Chloroform	5.75	83	401717	2.458 ppbv	100
30) Cyclohexane	7.13	84	287704	2.959 ppbv	90
31) cis-1,2-Dichloroethene	5.55	61	202816	2.118 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	464485	2.845 ppbv	99
34) 2-Butanone	5.25	43	221295	1.895 ppbv	99
35) Carbon Tetrachloride	7.01	117	467498	2.346 ppbv	98
36) Benzene	6.89	78	671041	2.499 ppbv	98
37) 1,2-Dichloroethane	6.30	62	311695	2.430 ppbv	99
38) Trichloroethene	7.83	130	246651	2.243 ppbv	95
39) 1,2-Dichloropropane	7.61	63	255667	2.499 ppbv	97
40) 1,4-Dioxane	7.85	88	60060	2.282 ppbv #	100
41) Tetrahydrofuran	6.07	42	157954	2.575 ppbv	98
42) Bromodichloromethane	7.79	83	502939	2.578 ppbv	98
43) Methyl Methacrylate	8.01	69	240152	2.694 ppbv	99

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Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC002

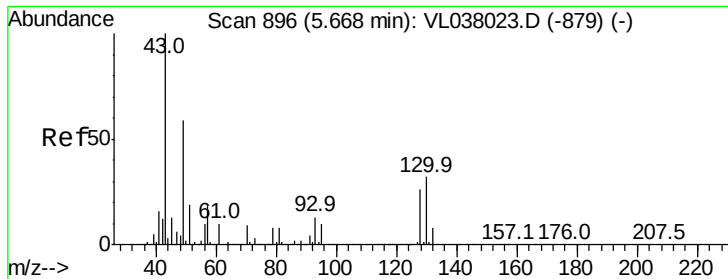
Manual Integrations
 APPROVED

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1172574	2.579	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	187435	2.770	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	263761	2.896	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	259445	2.294	ppbv	97
48) Dibromochloromethane	10.30	129	442646	2.732	ppbv	99
49) Bromoform	13.03	173	347868	2.733	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	403257	2.503	ppbv	98
51) 2-Hexanone	10.15	43	193204m	2.777	ppbv	
52) Tetrachloroethene	11.22	164	237646	2.360	ppbv	97
53) Toluene	9.80	91	779467	2.704	ppbv	99
54) 1,2-Dibromoethane	10.61	107	374657	2.553	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	302114	2.359	ppbv #	1
57) Chlorobenzene	12.14	112	567767	2.257	ppbv	96
58) Ethyl Benzene	12.70	91	1046632	2.677	ppbv	97
59) m/p-Xylene	12.99	91	1755624m	5.116	ppbv	
60) o-Xylene	13.68	91	813901	2.520	ppbv	100
61) Styrene	13.52	104	446330	2.933	ppbv	98
62) Isopropylbenzene	14.66	105	1164388	2.522	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	572182	2.059	ppbv	100
64) n-propylbenzene	15.55	120	305513	2.602	ppbv	97
65) tert-Butylbenzene	16.73	119	1050164	2.592	ppbv	100
66) Benzyl Chloride	16.98	91	75149m	3.410	ppbv	
67) sec-Butylbenzene	17.28	105	1467623	2.629	ppbv	99
69) p-Isopropyltoluene	17.64	119	1173676	2.626	ppbv	99
70) n-Butylbenzene	18.54	91	1101726	2.685	ppbv	99
71) 2-Chlorotoluene	15.44	91	838649	2.604	ppbv	98
72) 4-Ethyltoluene	15.83	105	977234	2.613	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	881727	2.539	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	918375	2.537	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	489815	2.182	ppbv	96
76) 1,4-Dichlorobenzene	17.13	146	516046m	2.370	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	473034	2.246	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	323429	1.859	ppbv	99
79) Naphthalene	22.18	128	530783m	2.662	ppbv	
80) Naphthalene,2-methyl-	24.97	142	113748	3.314	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	286658	2.211	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

Acq: 16 Nov 2021 2:28

Tot Ion:

Ion Ratio

49 100

128 48.

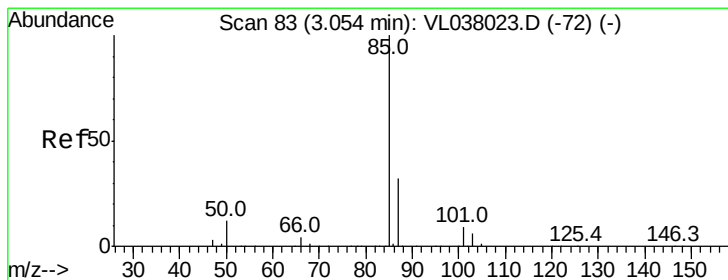
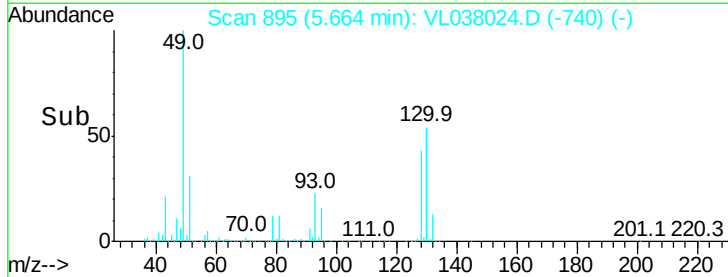
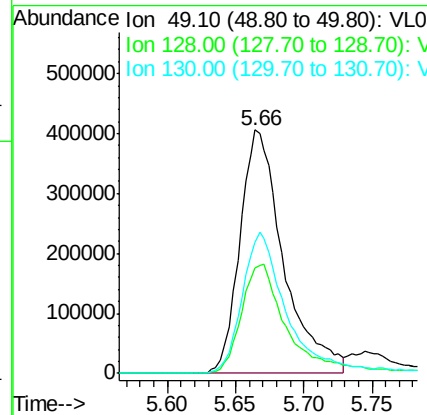
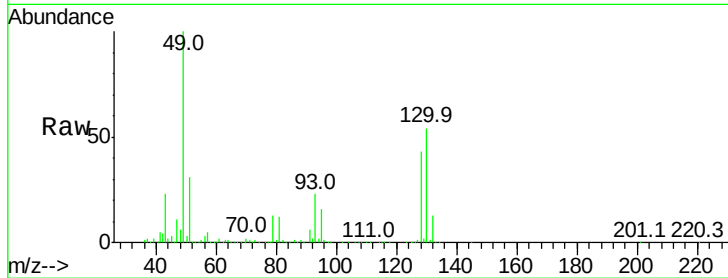
130 62.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#2

Dichlorodifluoromethane

Concen: 2.577 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038024.D

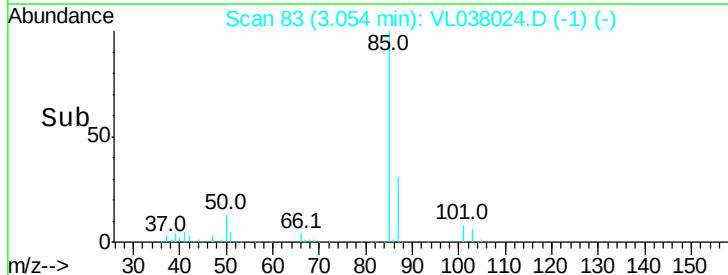
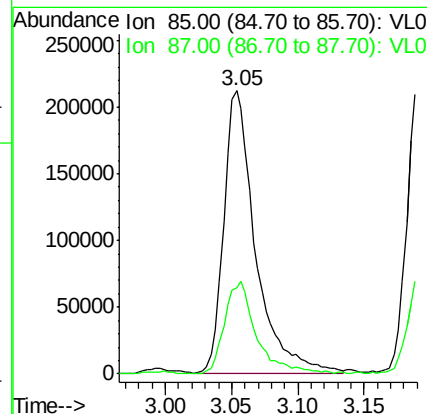
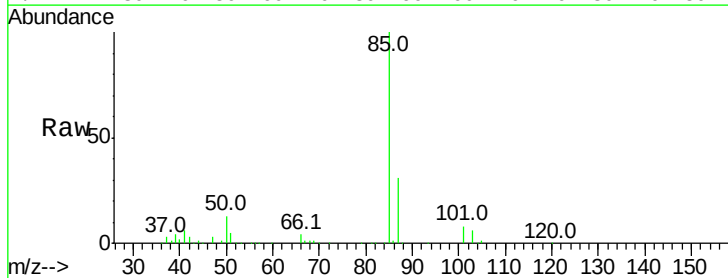
Acq: 16 Nov 2021 2:28

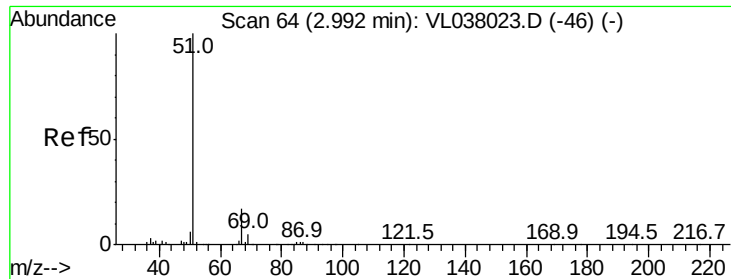
Tgt Ion: 85 Resp: 349055

Ion Ratio Lower Upper

85 100

87 30.6 25.9 38.9





#3

Chlorodifluoromethane

Concen: 2.615 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

Acq: 16 Nov 2021 2:28

Tot Ion:

Ion Ratio

51 100

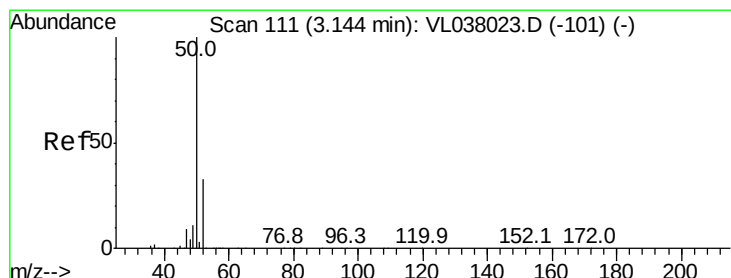
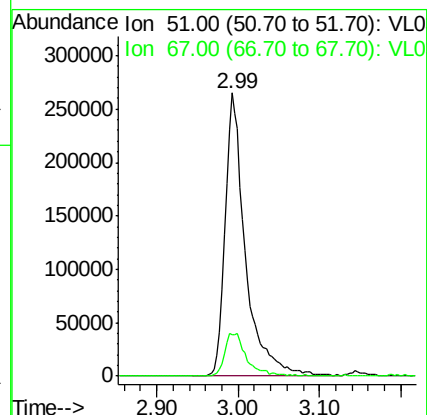
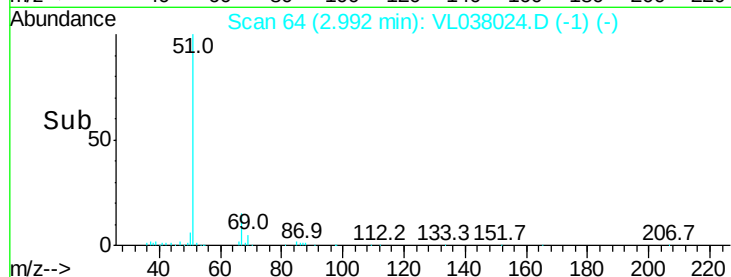
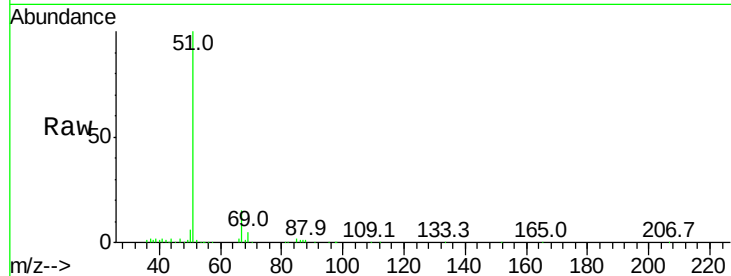
67 16.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#4

Chloromethane

Concen: 2.386 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL038024.D

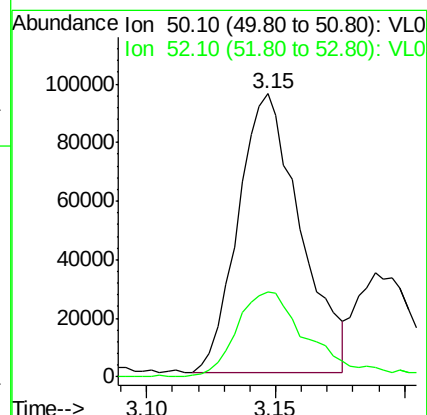
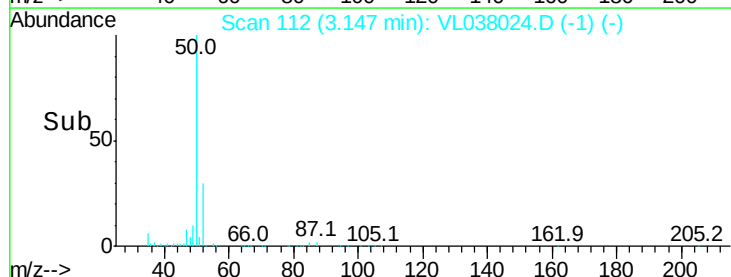
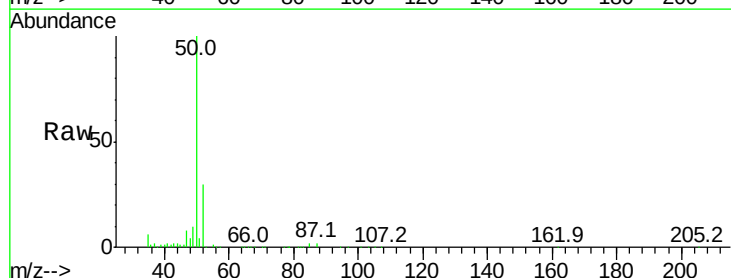
Acq: 16 Nov 2021 2:28

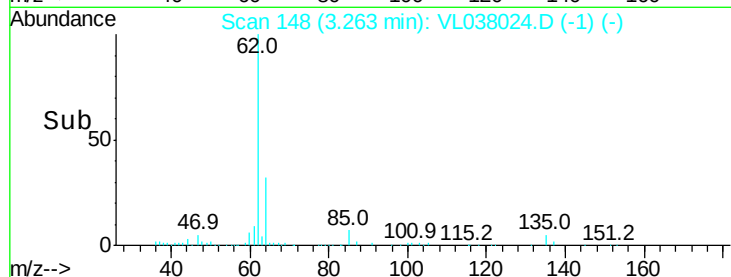
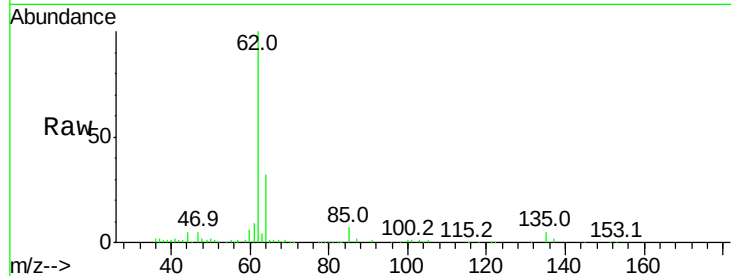
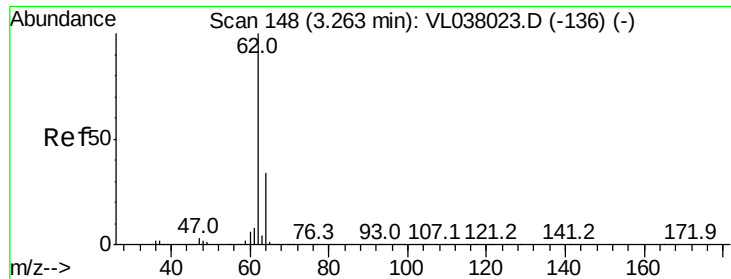
Tgt Ion: 50 Resp: 160769

Ion Ratio Lower Upper

50 100

52 30.0 26.4 39.6





#5

Vinyl Chloride

Concen: 2.352 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Nov 2021 VSTDIC002

2:28

Tot Ion:

Ion Ratio

62 100

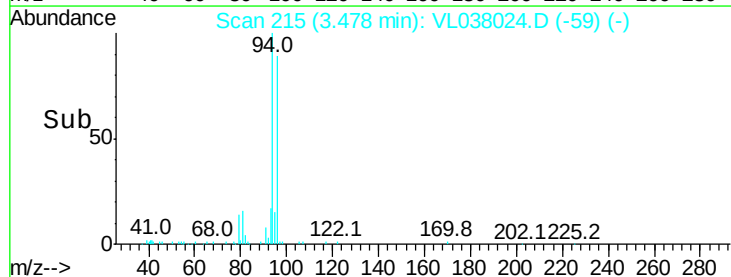
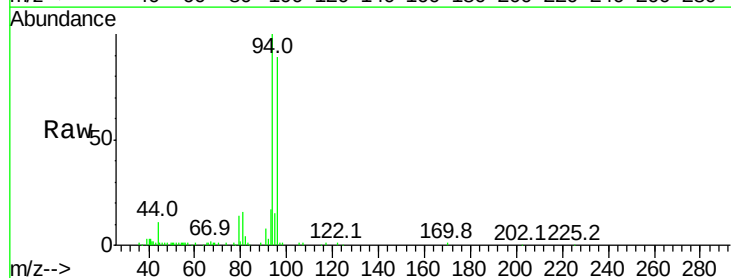
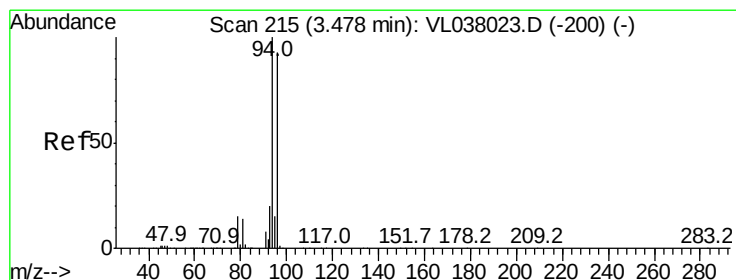
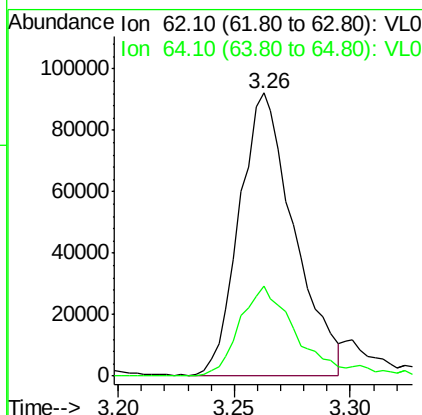
64 31.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#6

Bromomethane

Concen: 2.426 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL038024.D

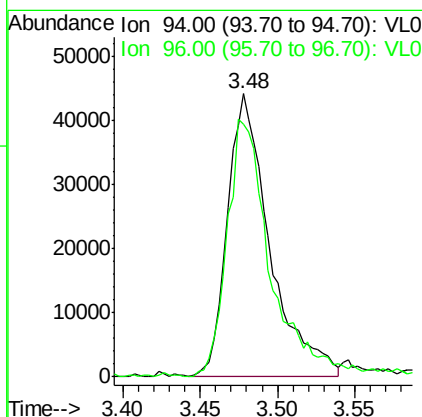
Acq: 16 Nov 2021 2:28

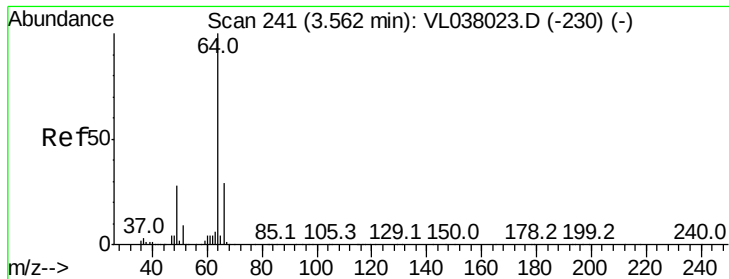
Tgt Ion: 94 Resp: 84082

Ion Ratio Lower Upper

94 100

96 89.1 74.8 112.2





#7

Chloroethane

Concen: 2.273 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

Acq: 16 Nov 2021 2:28

Tot Ion:

Ion Ratio

64 100

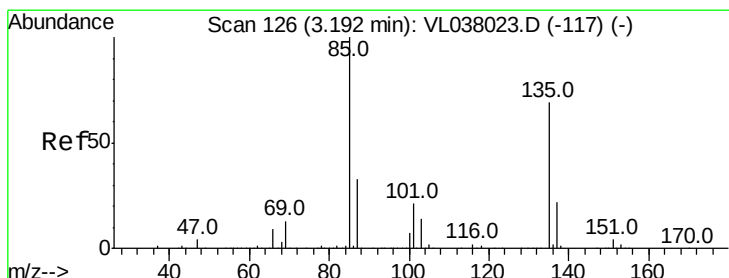
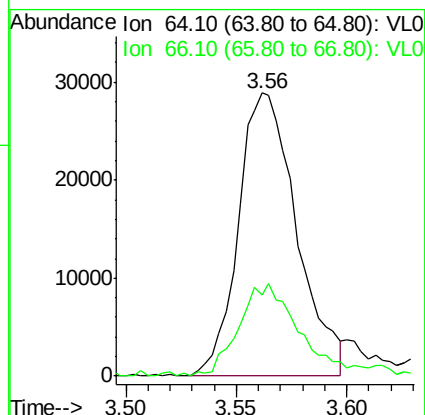
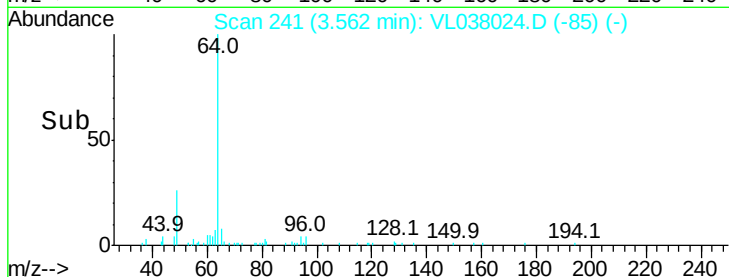
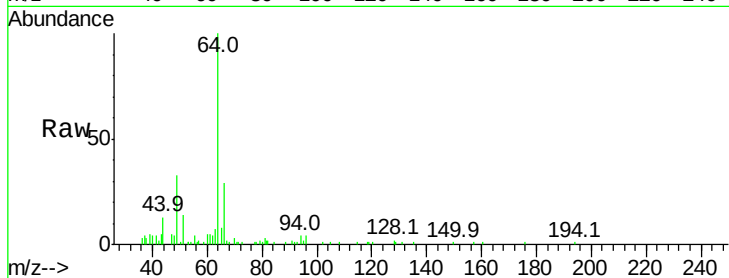
66 28.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#8

Dichlorotetrafluoroethane

Concen: 2.500 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038024.D

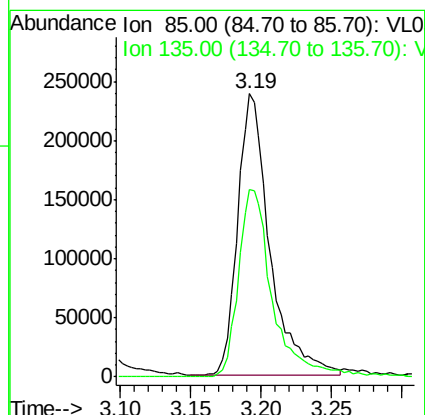
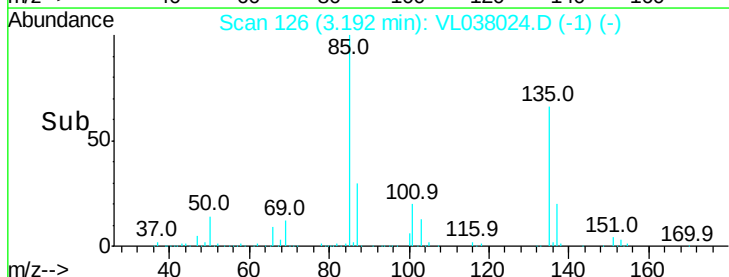
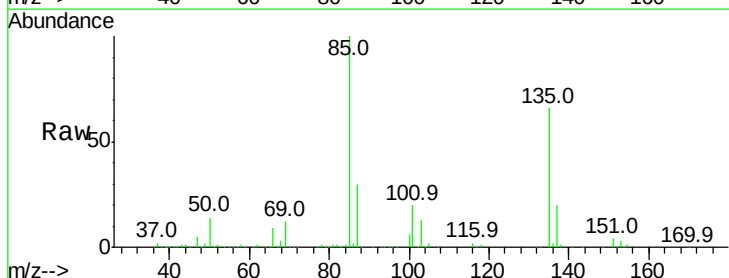
Acq: 16 Nov 2021 2:28

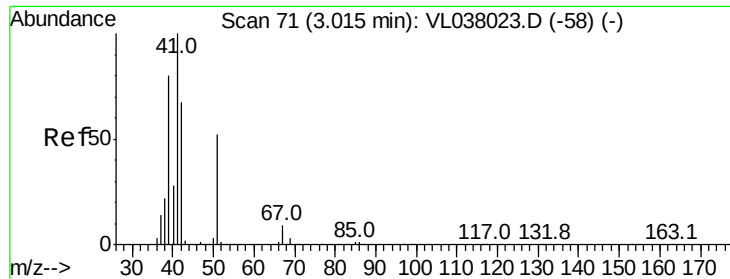
Tgt Ion: 85 Resp: 384317

Ion Ratio Lower Upper

85 100

135 70.9 57.0 85.6



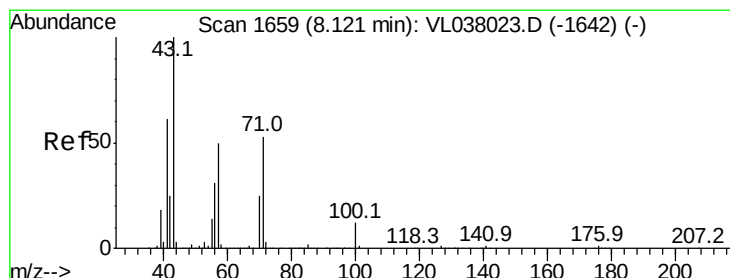
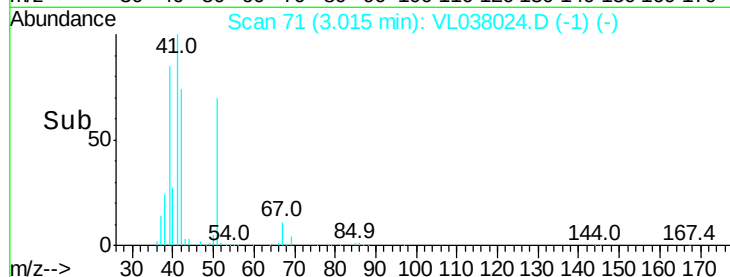
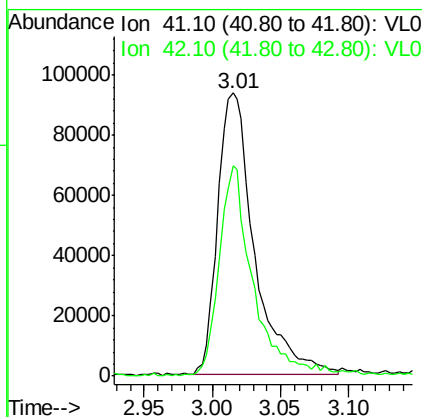
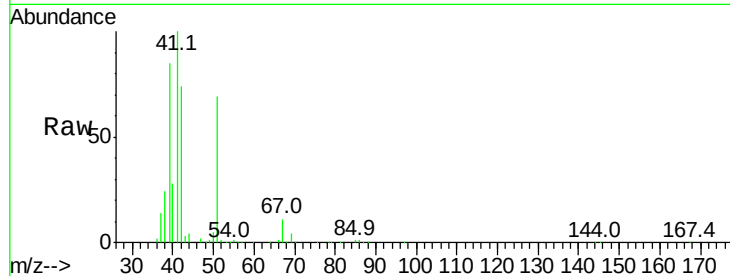


#9
 Propene
 Concen: 2.701 ppbv
 RT: 3.01 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

Tot Ion:
 Ion Ratio
 41 100
 42 71.

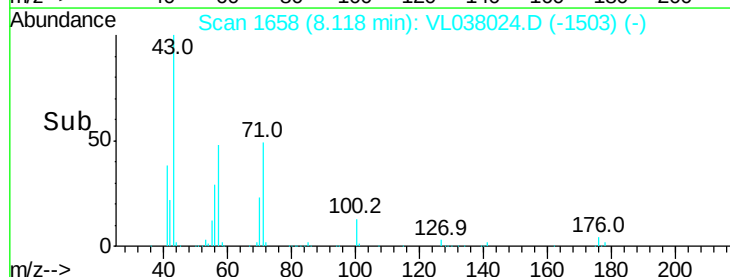
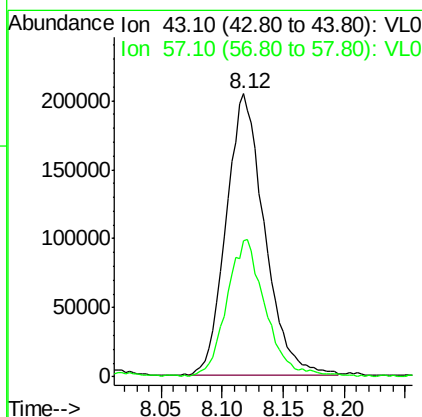
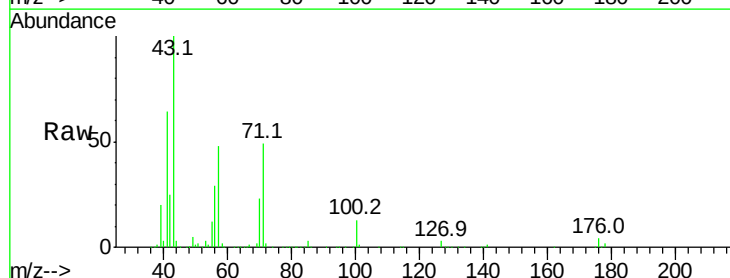
Manual Integrations
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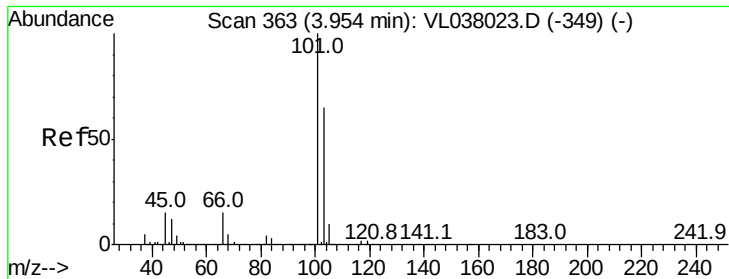
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#10
 Heptane
 Concen: 2.955 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T.: -0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion: 43 Resp: 444172
 Ion Ratio Lower Upper
 43 100
 57 48.9 39.9 59.9



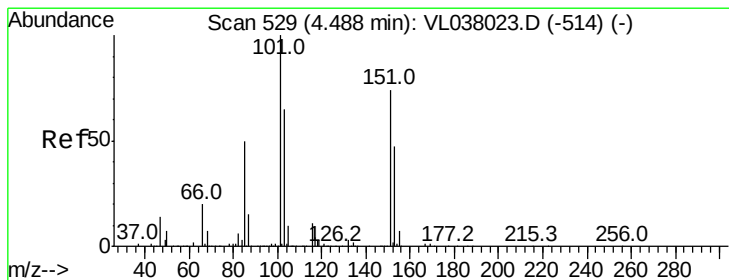
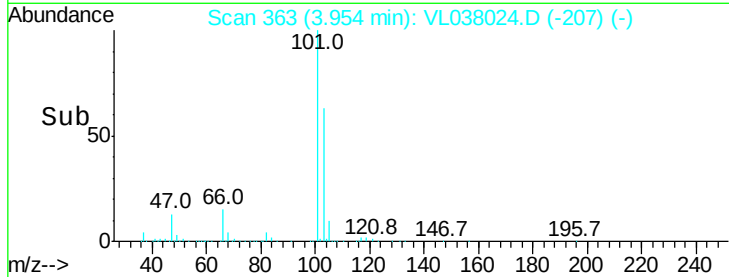
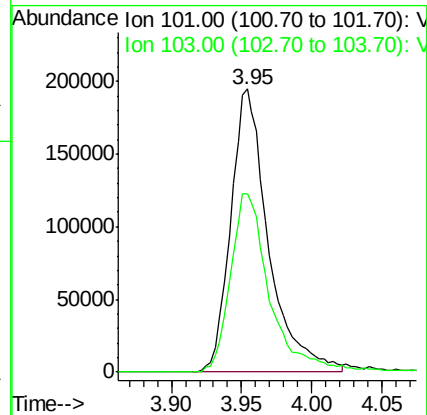
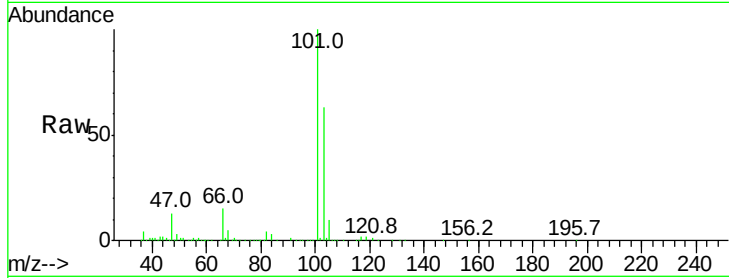


#11
 Trichlorofluoromethane
 Concen: 2.705 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC002
 Acq: 16 Nov 2021 2:28

Tot Ion:1
 Ion Rati
 101 100
 103 62.

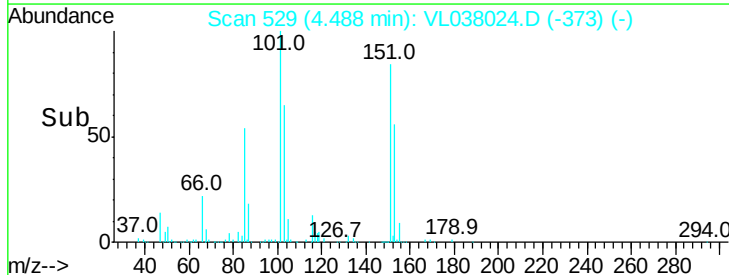
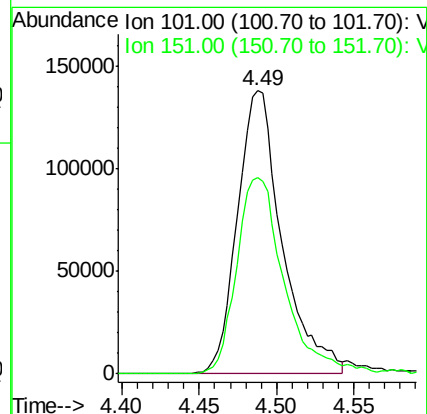
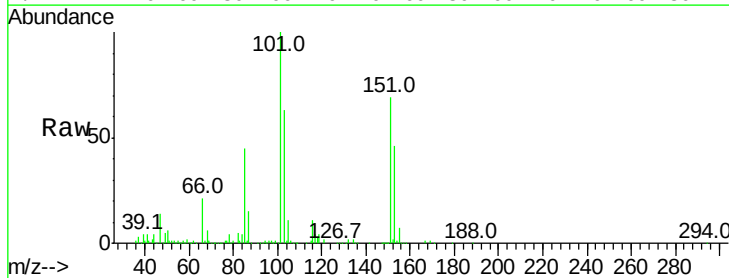
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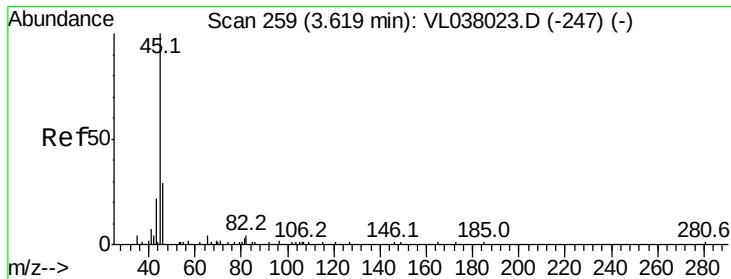
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.646 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion:101 Resp: 277827
 Ion Ratio Lower Upper
 101 100
 151 74.5 57.9 86.9



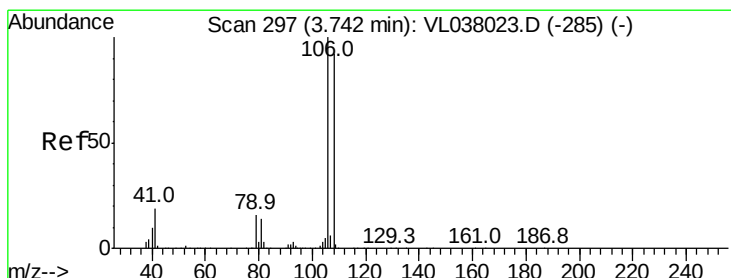
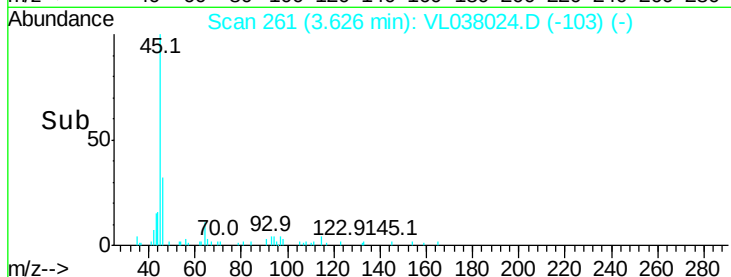
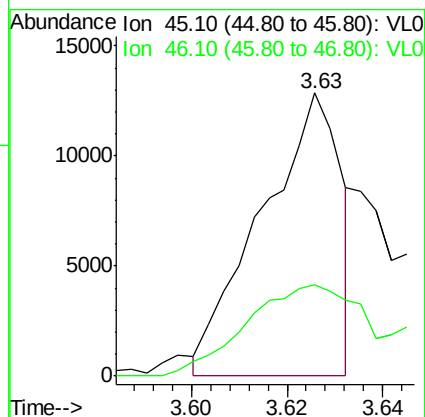
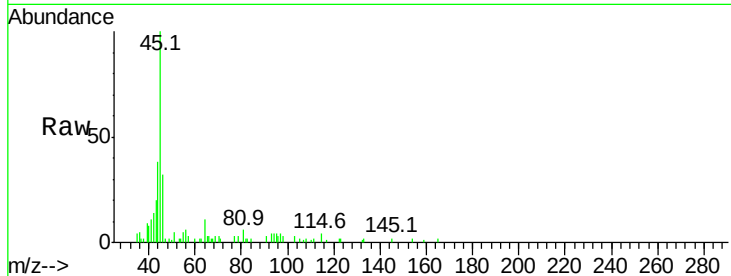


#13
Ethanol
Concen: 2.381 ppbv m
RT: 3.63
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 2:28

Tot Ion:
Ion Ratio
45 100
46 77.

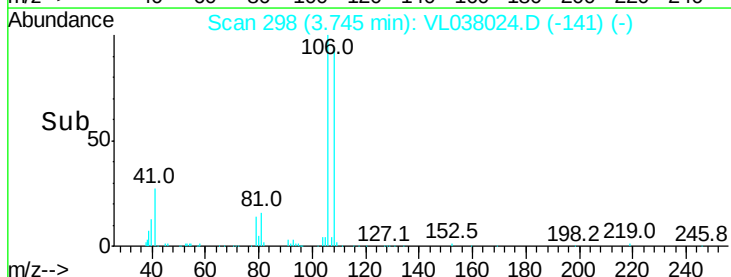
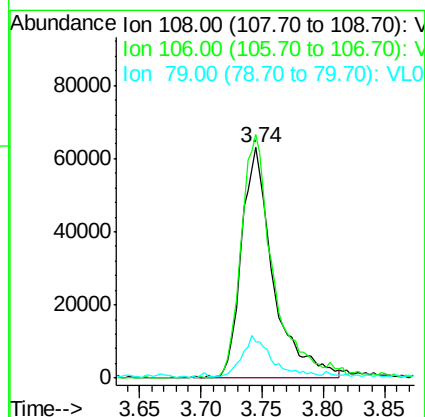
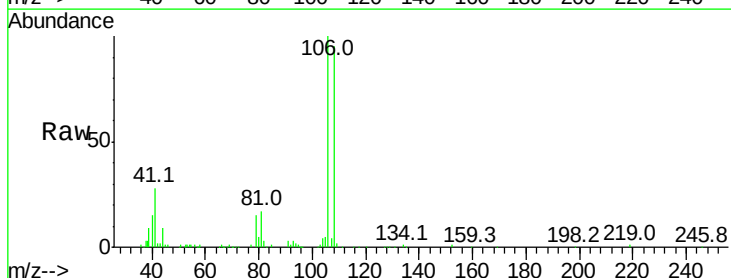
Manual Integrations
APPROVED

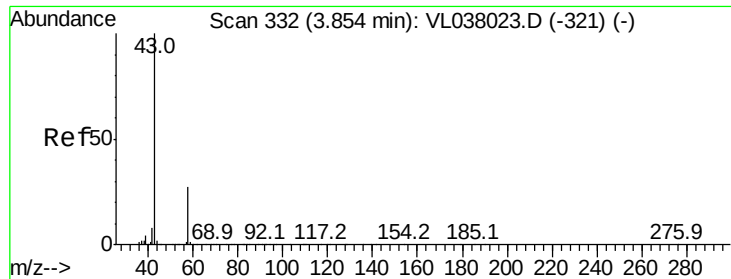
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#14
Bromoethene
Concen: 2.551 ppbv m
RT: 3.74 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion:108 Resp: 115129
Ion Ratio Lower Upper
108 100
106 110.6 90.4 135.6
79 18.2 14.1 21.1





#15

Acetone

Concen: 2.731 ppbv m

RT: 3.86

Delta R.T.

Lab File:

Acq: 16 Nov 2021

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

2.28

Tot Ion:

Ion Ratio

43 100

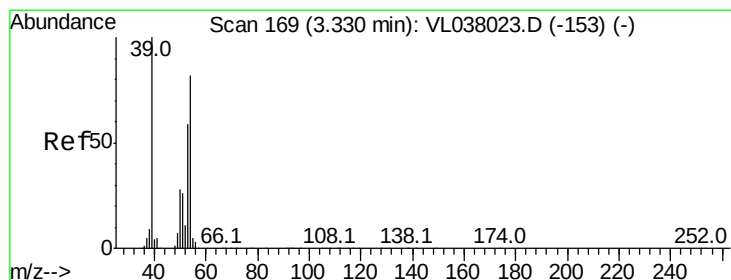
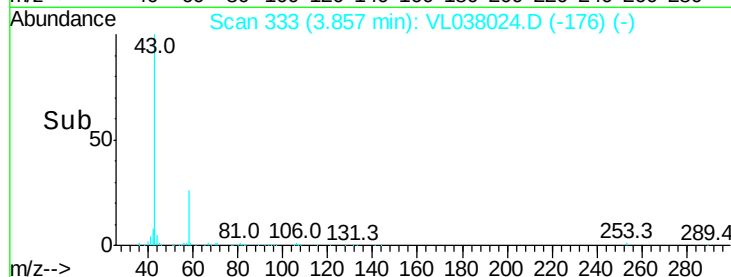
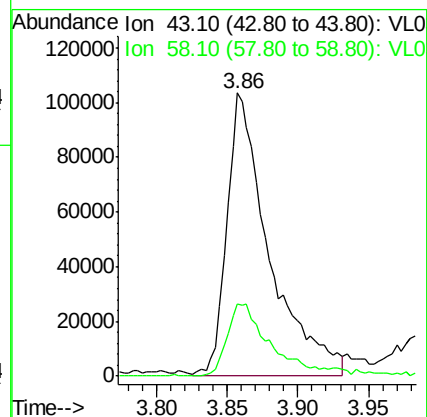
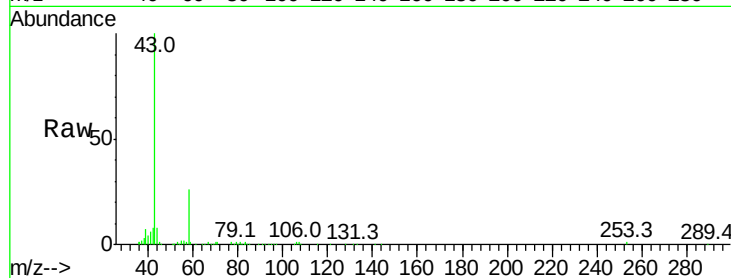
58 28.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#16

1,3-Butadiene

Concen: 2.607 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL038024.D

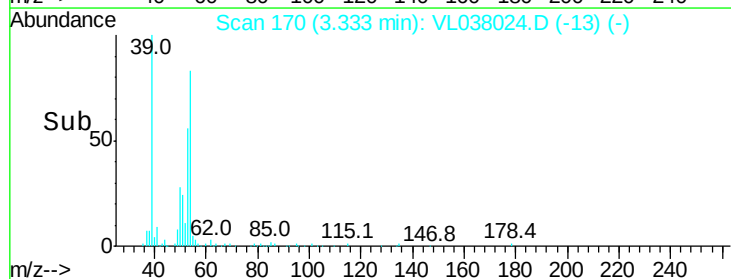
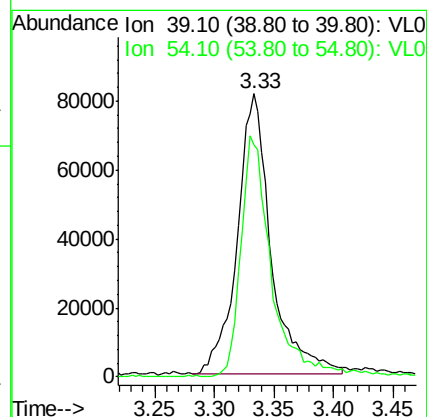
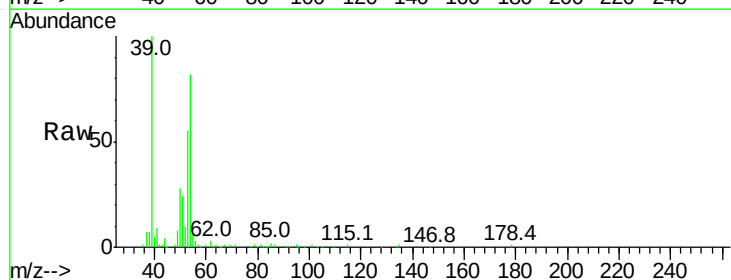
Acq: 16 Nov 2021 2:28

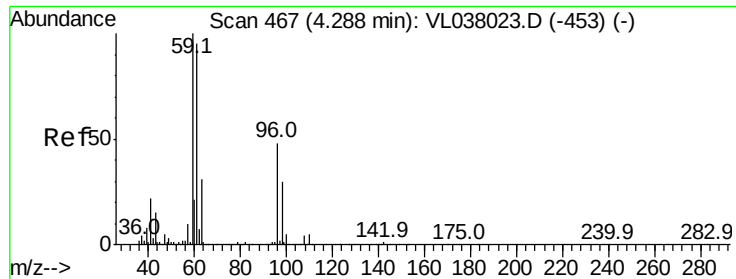
Tgt Ion: 39 Resp: 161672

Ion Ratio Lower Upper

39 100

54 78.7 63.8 95.8





#17

tert-Butyl alcohol

Concen: 2.858 ppbv

RT: 4.31 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC002

Acq: 16 Nov 2021 2:28

Tot Ion:

Ion Ratio

59 100

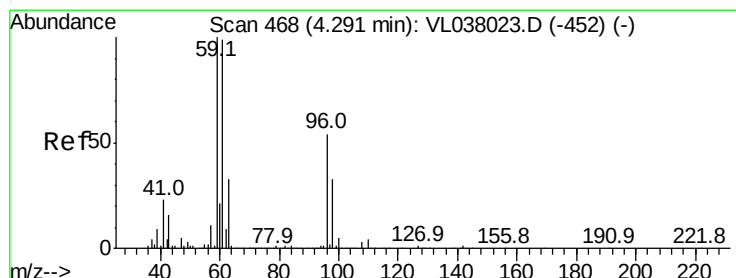
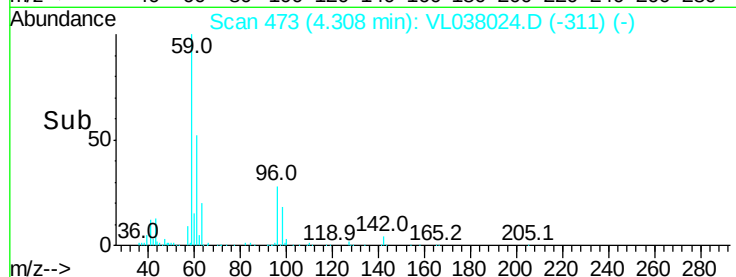
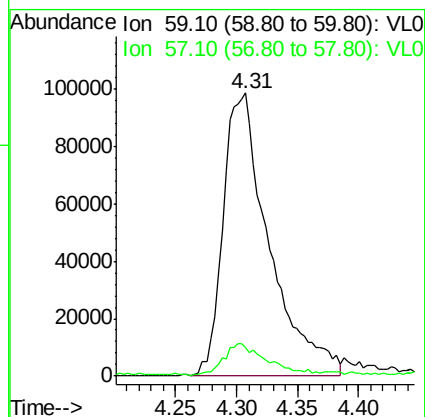
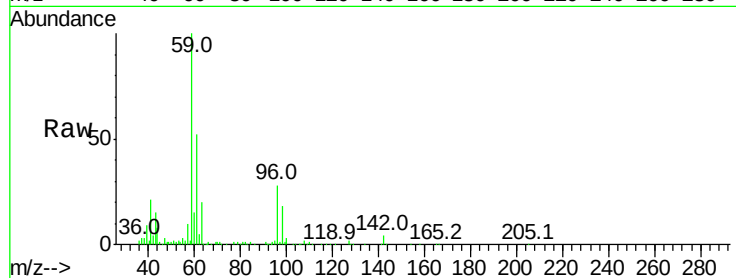
57 10.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#18

1,1-Dichloroethene

Concen: 2.677 ppbv m

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

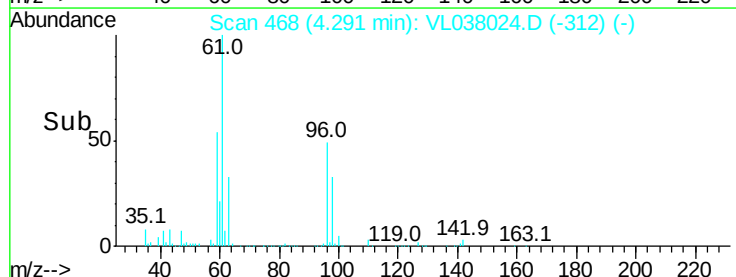
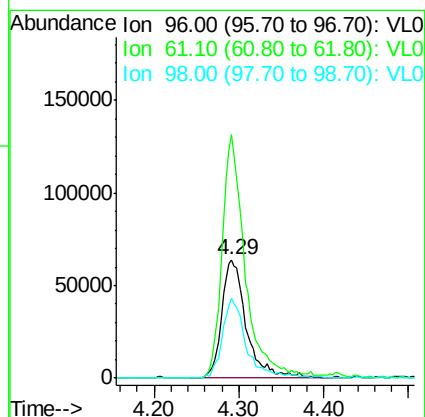
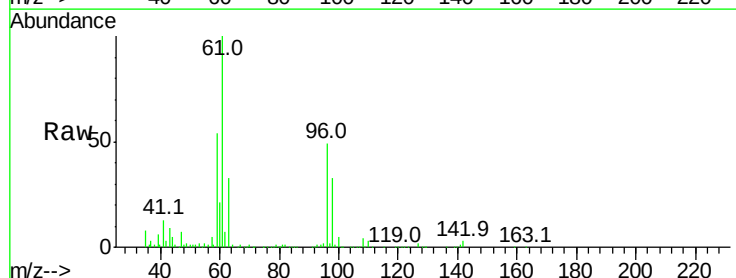
Tgt Ion: 96 Resp: 130038

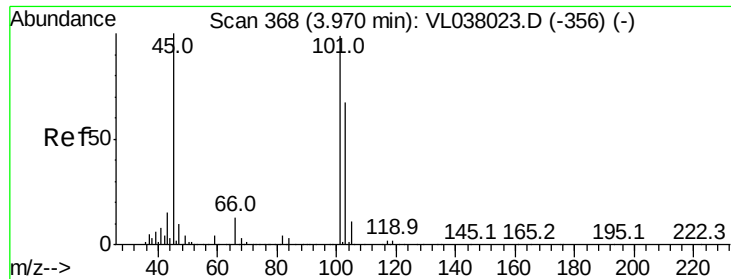
Ion Ratio Lower Upper

96 100

61 205.4 145.2 217.8

98 67.8 48.8 73.2



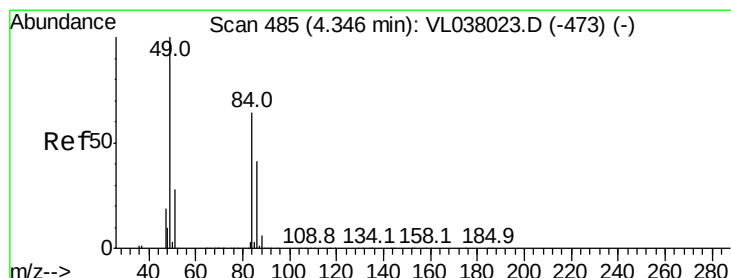
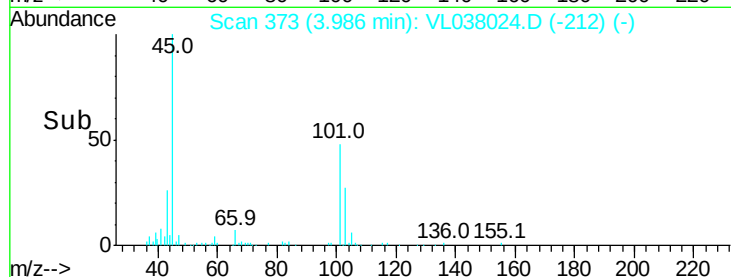
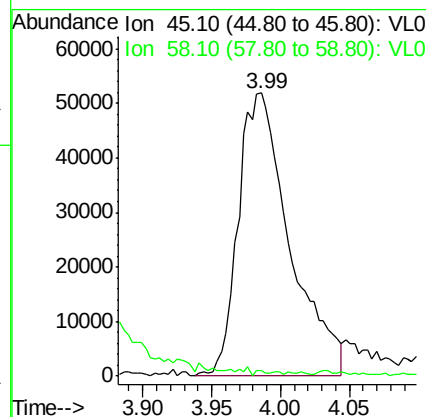
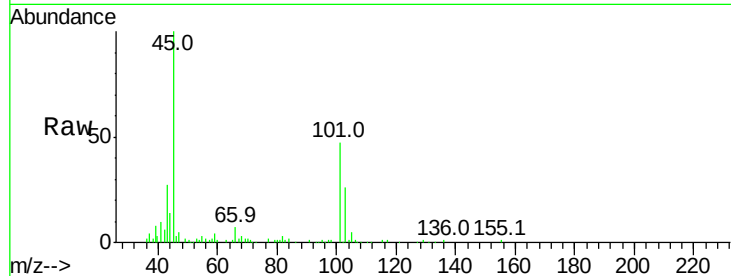


#19
Isopropyl Alcohol
Concen: 2.600 ppbv m
RT: 3.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Nov 2021 2:28

Tot Ion:
Ion Ratio
45 100
58 0.

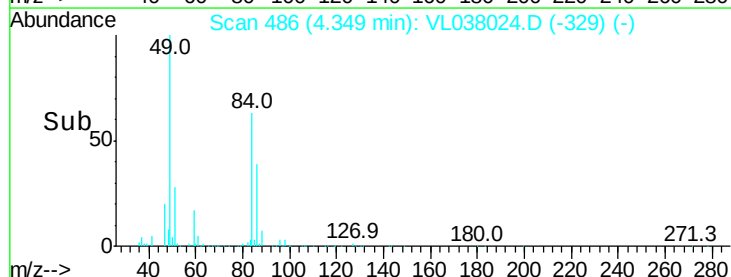
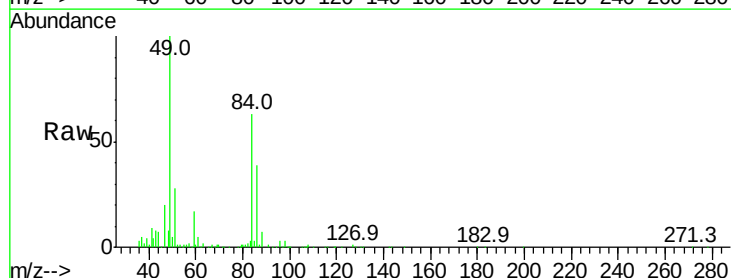
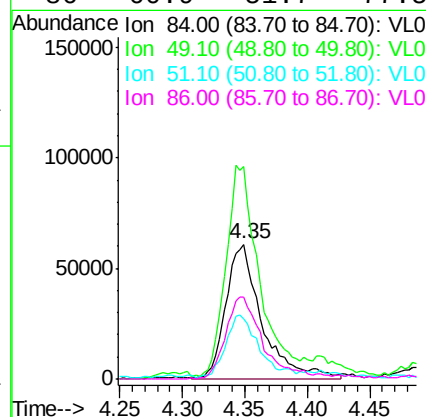
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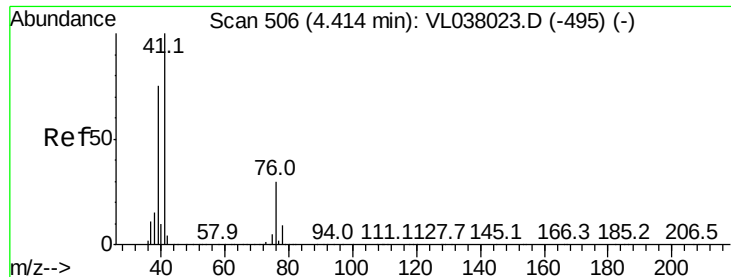
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#20
Methylene Chloride
Concen: 2.842 ppbv m
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 84 Resp: 123197
Ion Ratio Lower Upper
84 100
49 157.9 125.1 187.7
51 44.4 35.3 52.9
86 60.9 51.7 77.5



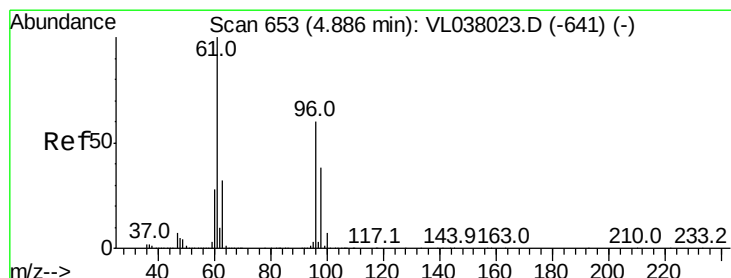
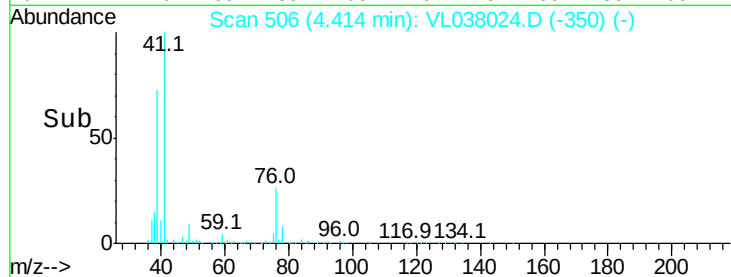
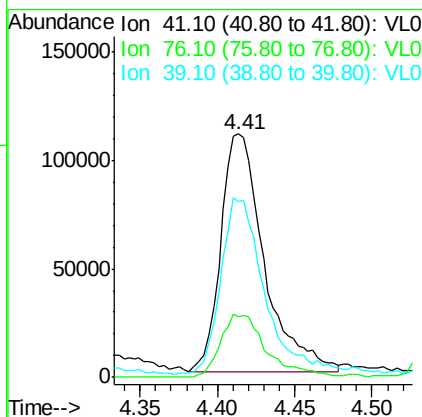
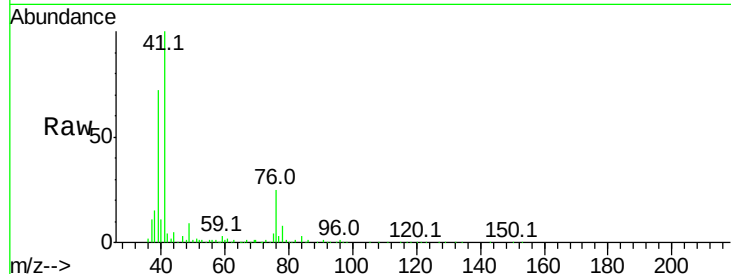


#21
 Allvl Chloride
 Concen: 2.855 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

Tot Ion:
 Ion Ratio
 41 100
 76 28.
 39 77.

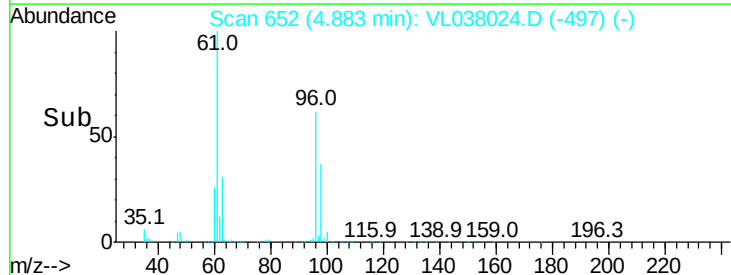
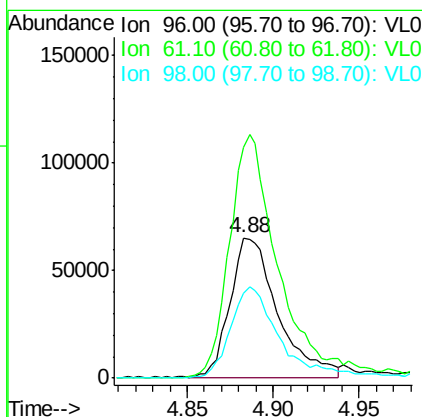
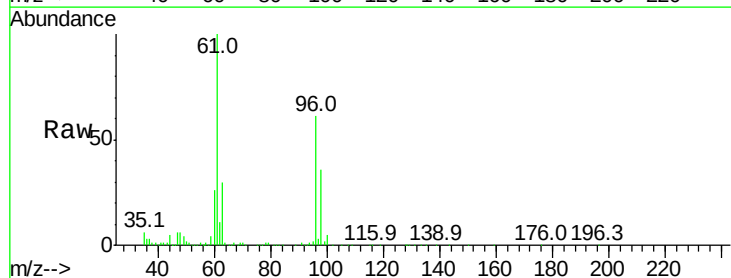
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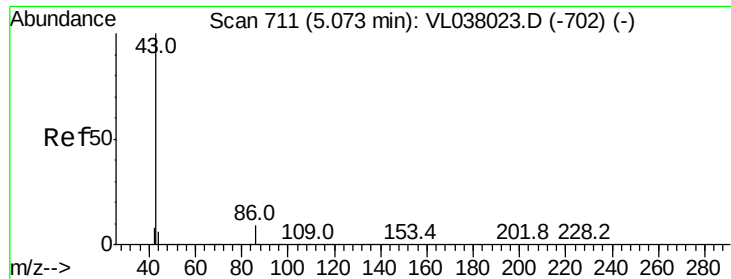
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#22
 trans-1,2-Dichloroethene
 Concen: 2.539 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion: 96 Resp: 124118
 Ion Ratio Lower Upper
 96 100
 61 165.0 134.2 201.4
 98 60.0 51.3 76.9



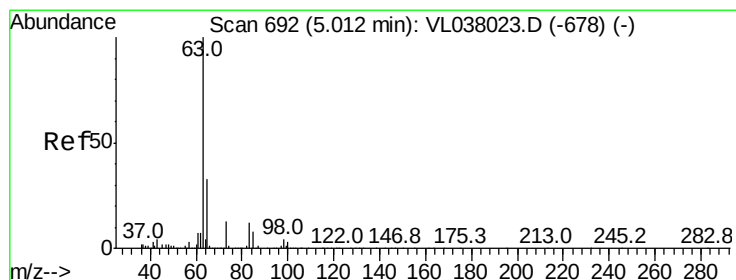
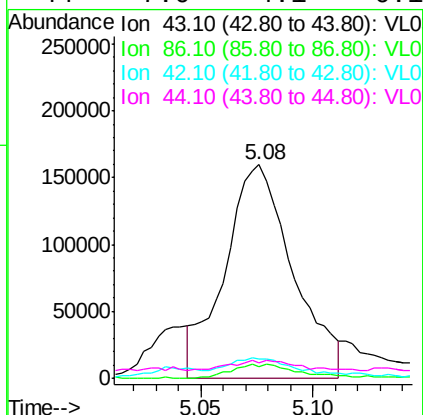
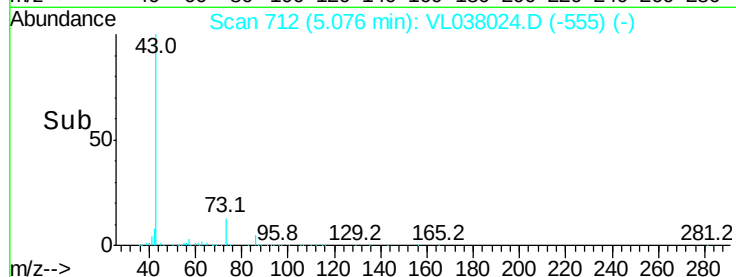
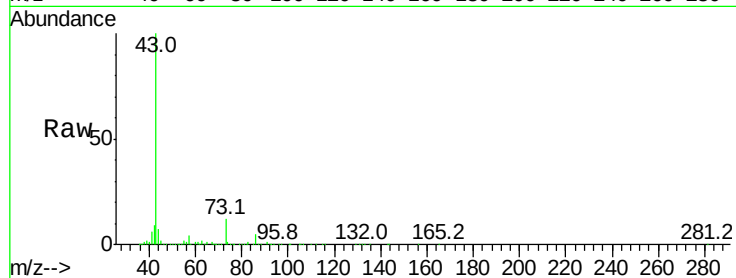


#23
 Vinyl Acetate
 Concen: 2.737 ppbv m
 RT: 5.08
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC002
 Acq: 16 Nov 2021 2:28

Tot Ion:
 Ion Ratio
 43 100
 86 5.
 42 8.
 44 7.0 4.1 6.1#

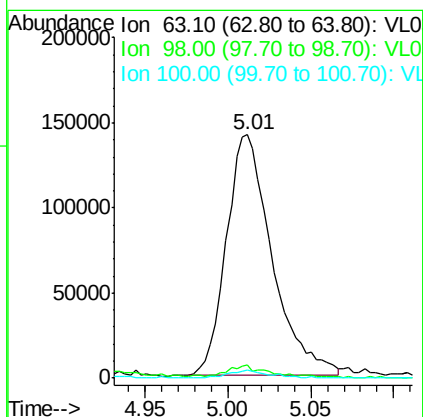
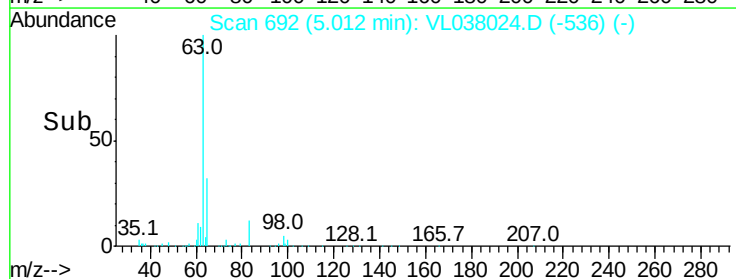
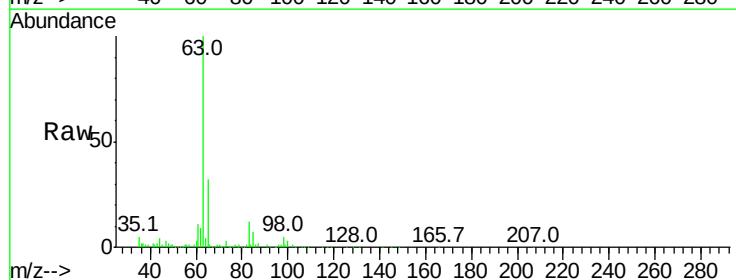
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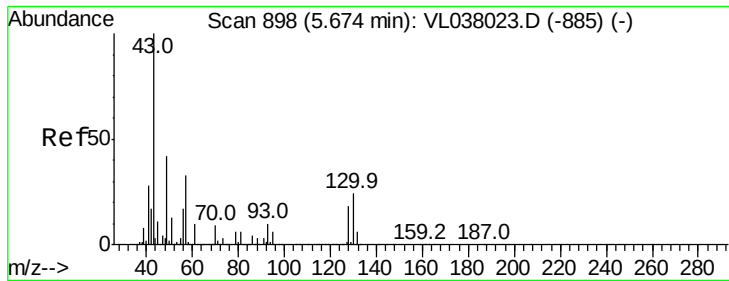
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#24
 1,1-Dichloroethane
 Concen: 2.716 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion: 63 Resp: 272244
 Ion Ratio Lower Upper
 63 100
 98 4.8 2.3 6.9
 100 3.1 1.5 4.4



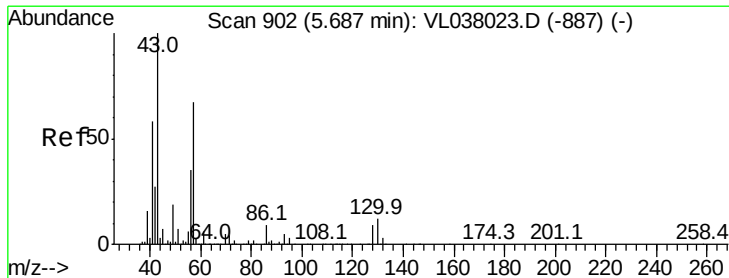
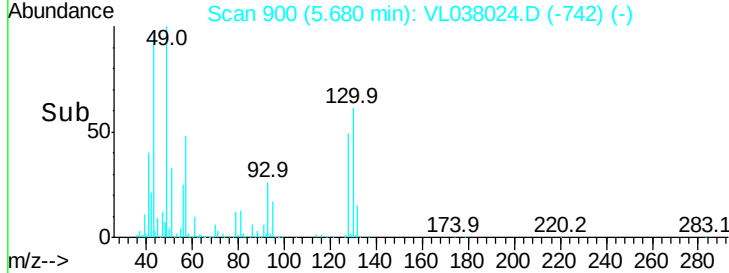
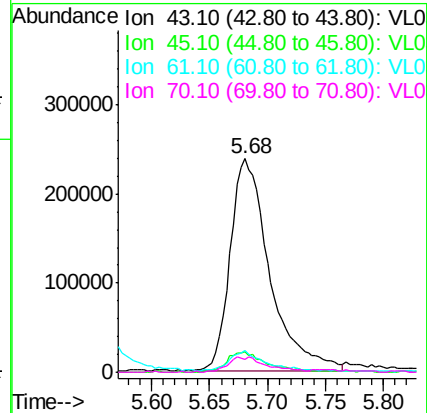
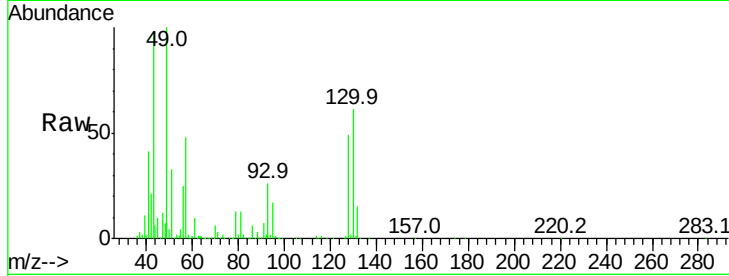


#25
Ethyl Acetate
Concen: 2.497 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 16 Nov 2021 2:28

Tot Ion:
Ion Ratio
43 100
45 10.
61 11.
70 7.0 5.5 8.3

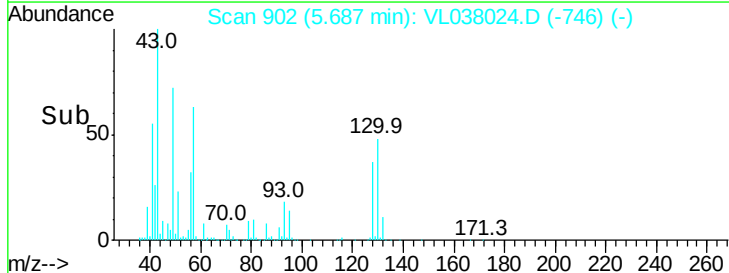
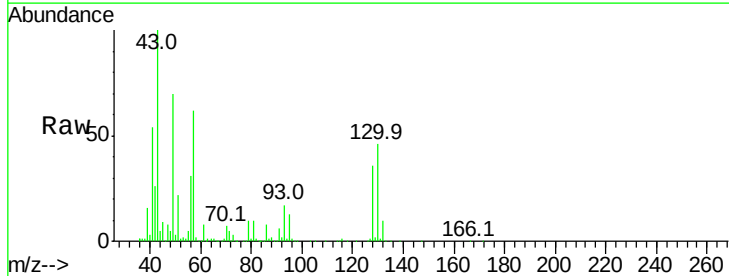
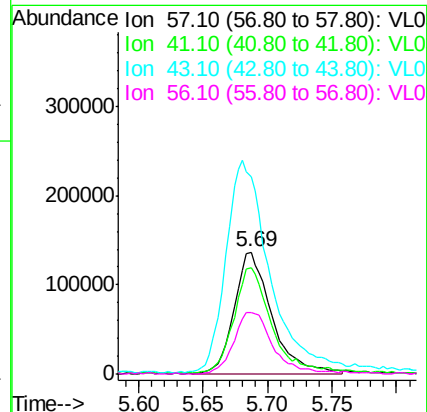
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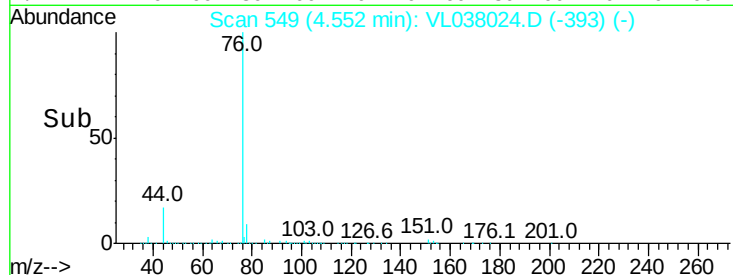
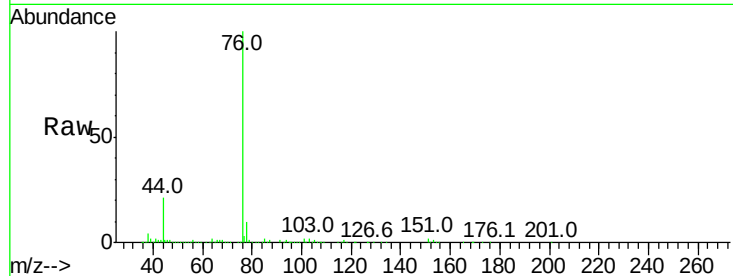
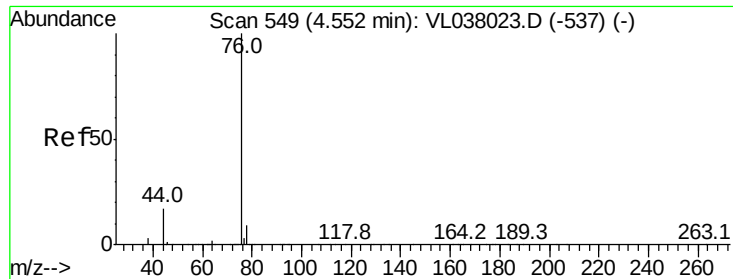
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#26
Hexane
Concen: 2.566 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 57 Resp: 273551
Ion Ratio Lower Upper
57 100
41 88.9 70.8 106.2
43 212.6 169.4 254.0
56 53.4 41.8 62.8





#27

Carbon Disulfide

Concen: 2.949 ppbv

RT: 4.55

Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId : VSTDIC002

Acq: 16 Nov 2021 2:28

Tot Ion:

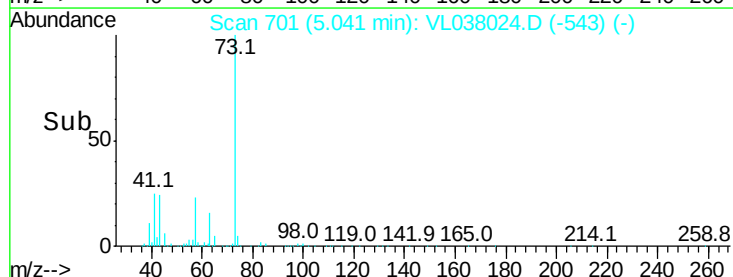
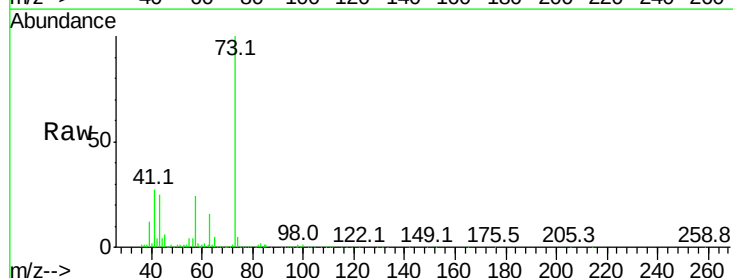
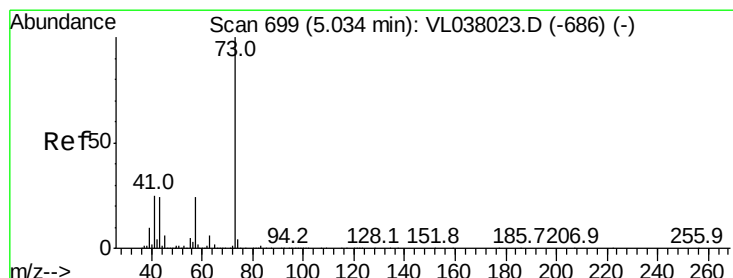
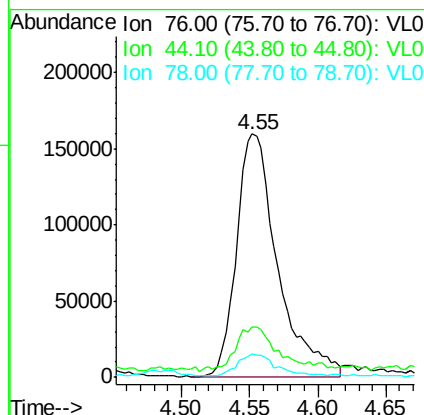
Ion	Ratio
76	100
44	21.
78	11.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#28

Methyl tert-Butyl Ether

Concen: 3.161 ppbv

RT: 5.04 min Scan# 701

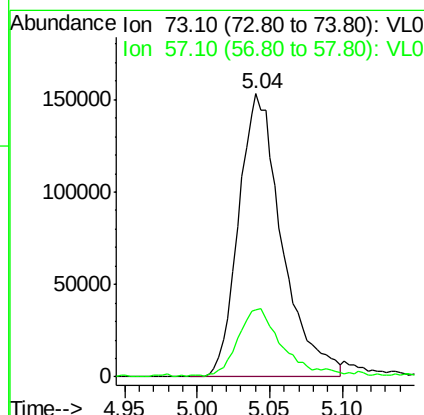
Delta R.T. 0.01 min

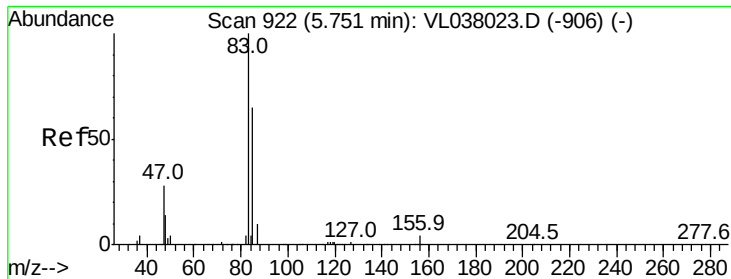
Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion: 73 Resp: 318242

Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.1	28.7



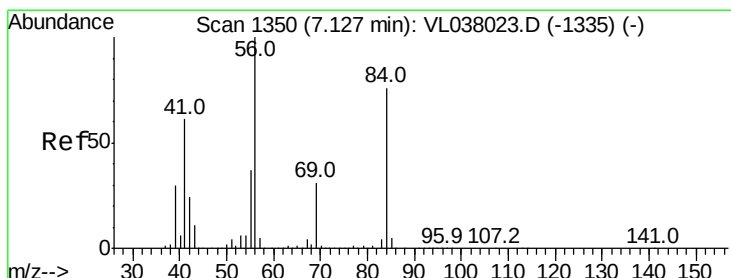
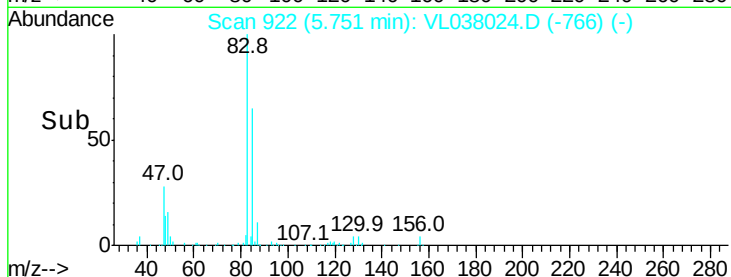
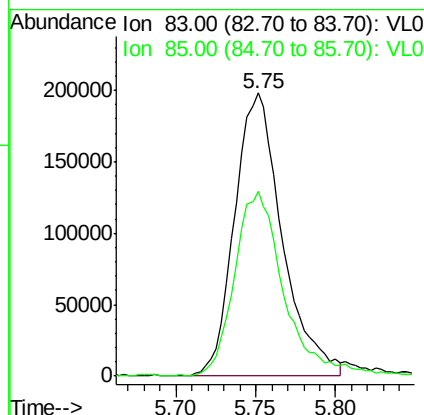
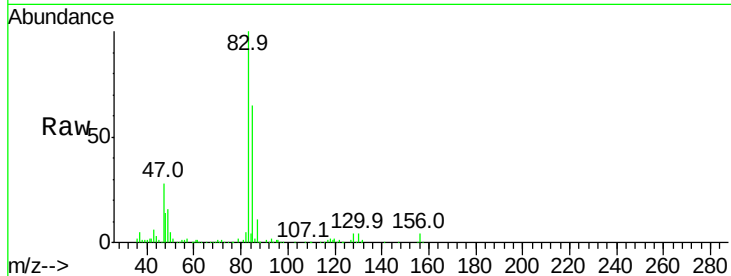


#29
Chloroform
Concen: 2.458 ppbv
RT: 5.75
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 16 Nov 2021 2:28

Tot Ion:
Ion Ratio
83 100
85 65.

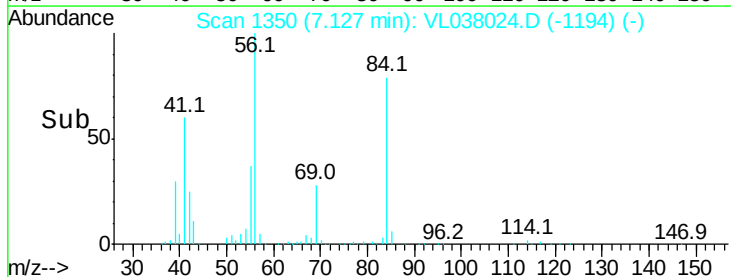
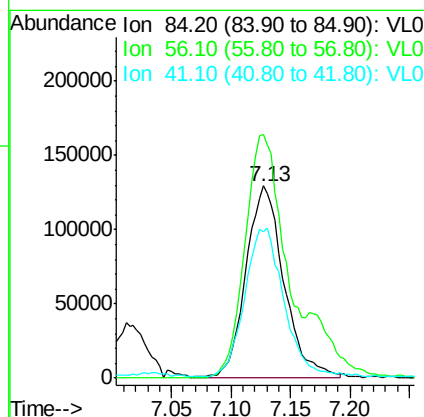
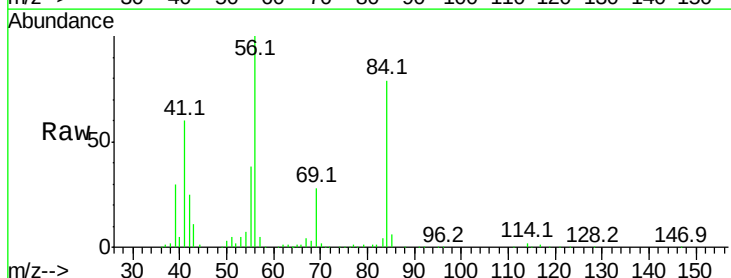
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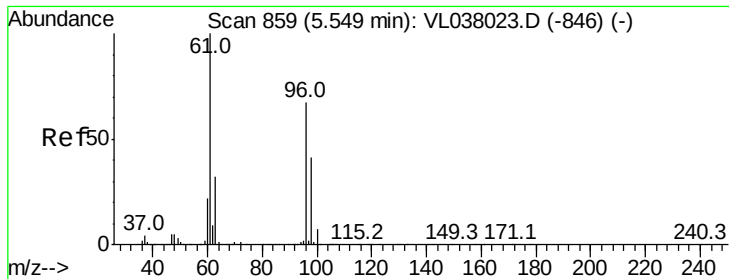
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#30
Cyclohexane
Concen: 2.959 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 84 Resp: 287704
Ion Ratio Lower Upper
84 100
56 154.1 109.4 164.2
41 79.6 65.8 98.6



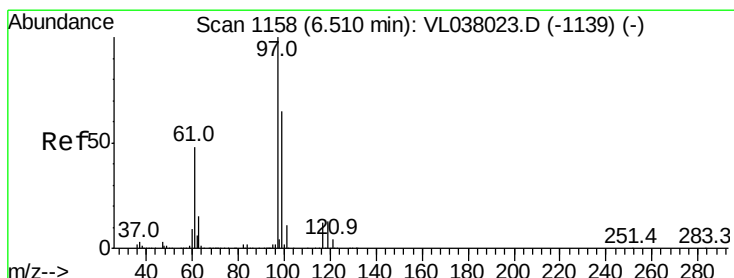
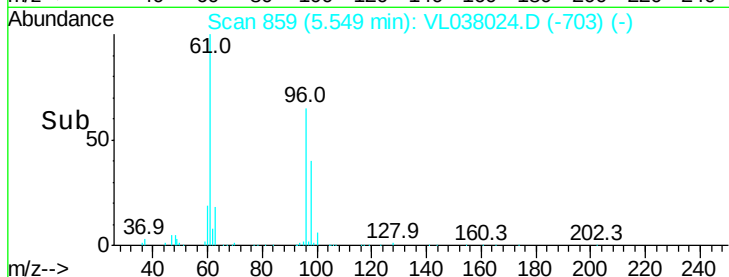
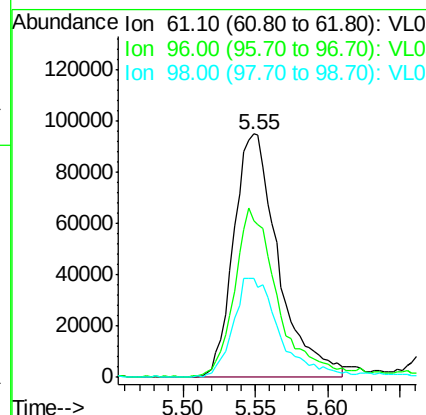
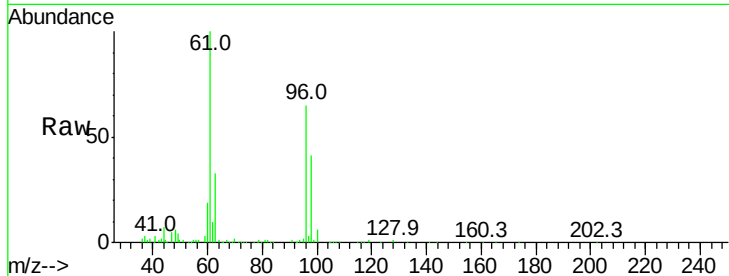


#31
 cis-1,2-Dichloroethene
 Concen: 2.118 ppbv
 RT: 5.55
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 2:28

Tot Ion:
 Ion Ratio
 61 100
 96 64.
 98 40.

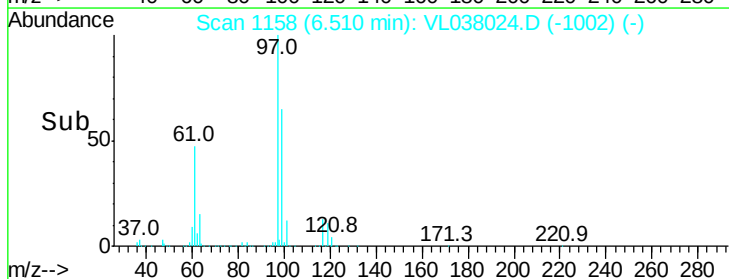
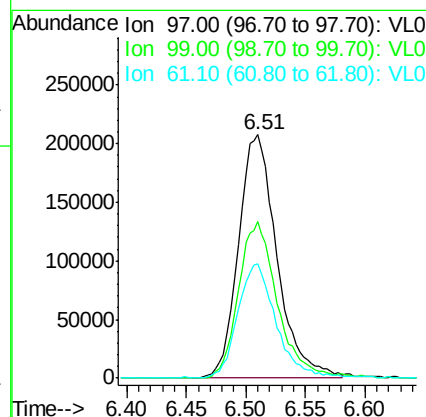
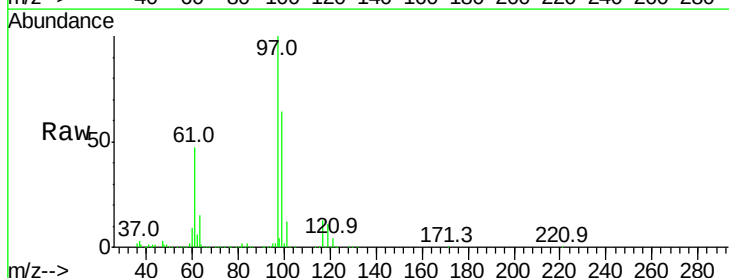
Manual Integrations
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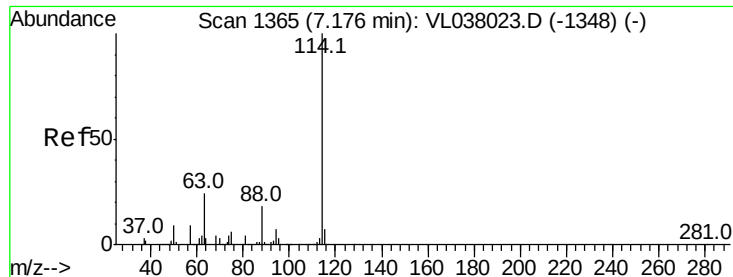
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#32
 1,1,1-Trichloroethane
 Concen: 2.845 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion: 97 Resp: 464485
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.9 77.9
 61 47.6 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 2:28

Tot Ion:1

Ion Rati

114 100

63 24.

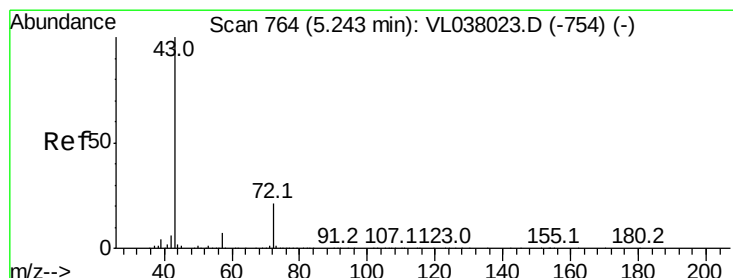
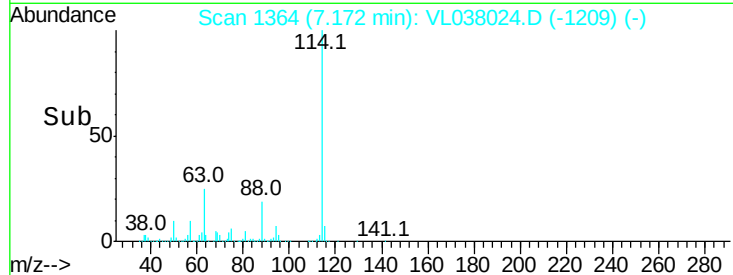
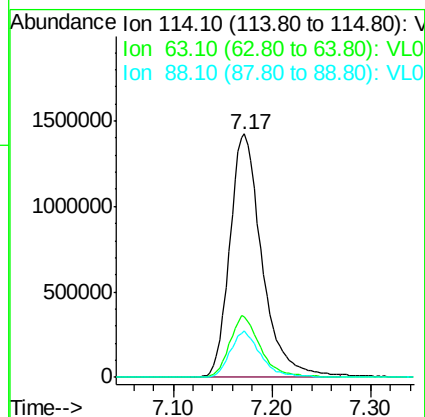
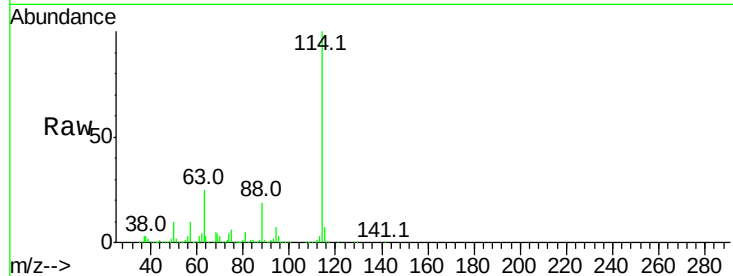
88 18.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#34

2-Butanone

Concen: 1.895 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.00 min

Lab File: VL038024.D

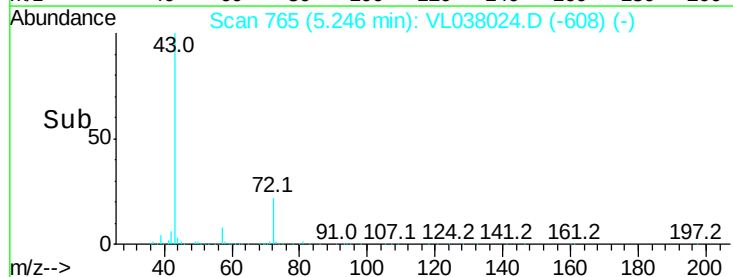
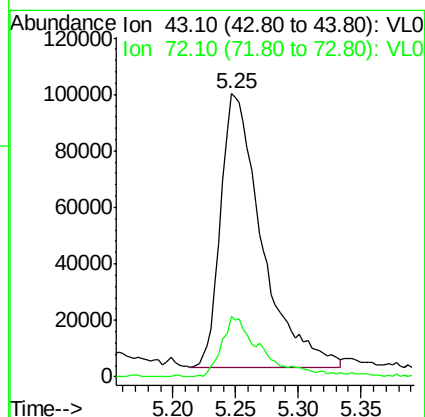
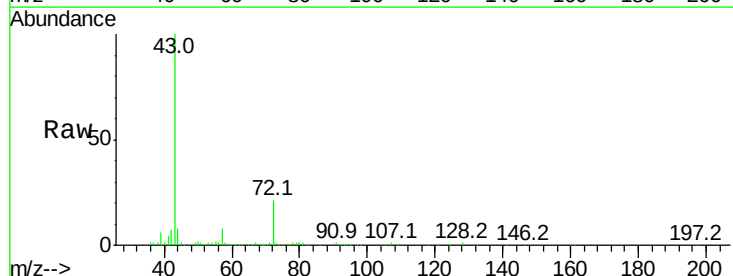
Acq: 16 Nov 2021 2:28

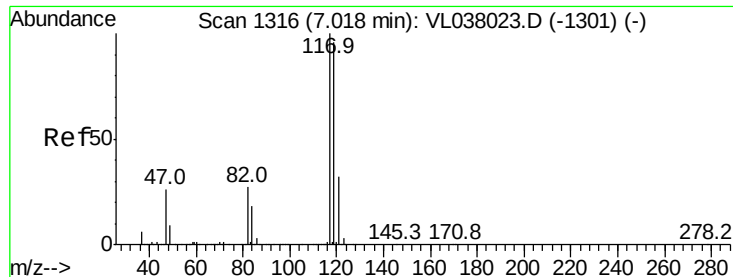
Tgt Ion: 43 Resp: 221295

Ion Ratio Lower Upper

43 100

72 22.4 18.2 27.4





#35

Carbon Tetrachloride

Concen: 2.346 ppbv

RT: 7.01

Delta R.T. MSVOA_L

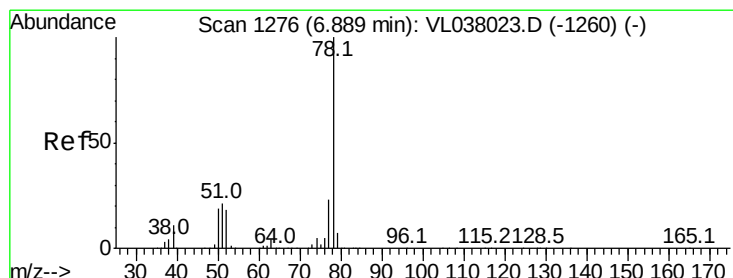
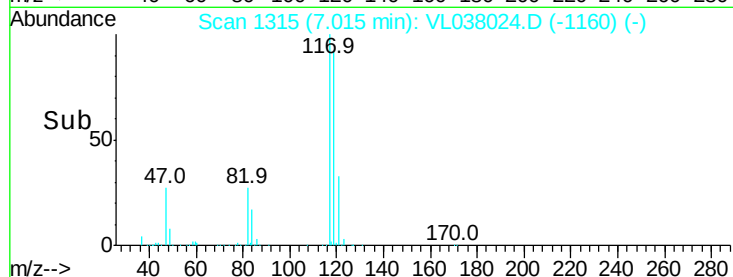
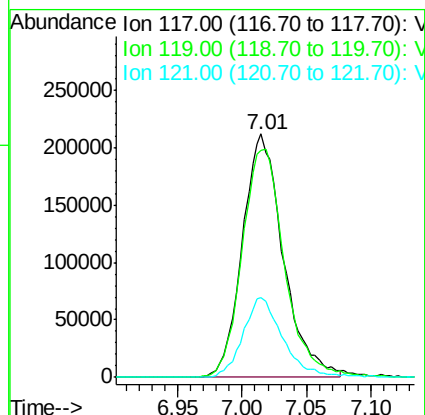
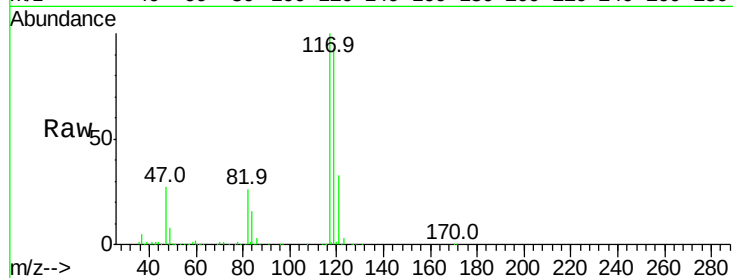
Lab File: ClientSampleId :

Acq: 16 Nov 2021 2:28

Tot Ion:1
Ion Rati
117 100
119 93.
121 32.

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



#36

Benzene

Concen: 2.499 ppbv

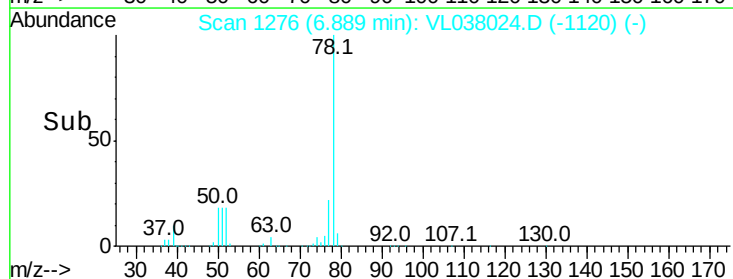
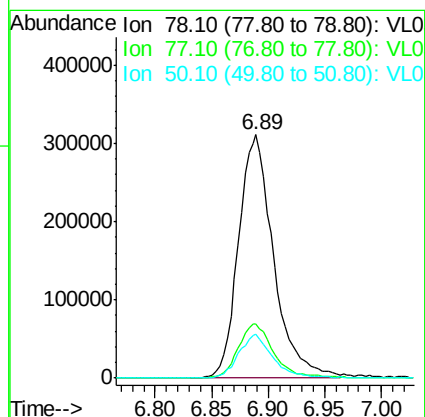
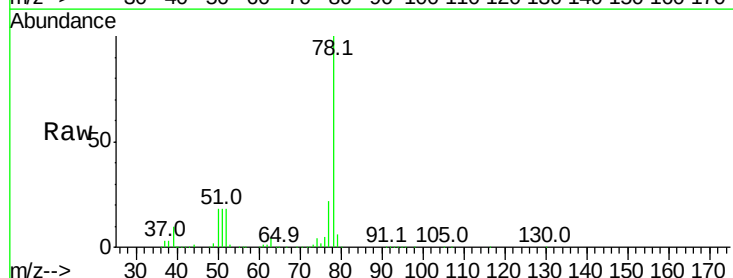
RT: 6.89 min Scan# 1276

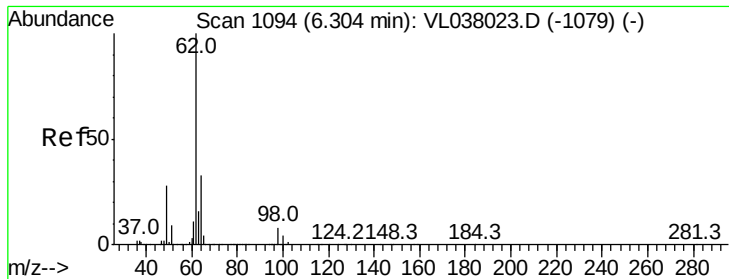
Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion: 78 Resp: 671041
Ion Ratio Lower Upper
78 100
77 22.0 18.8 28.2
50 18.0 14.9 22.3



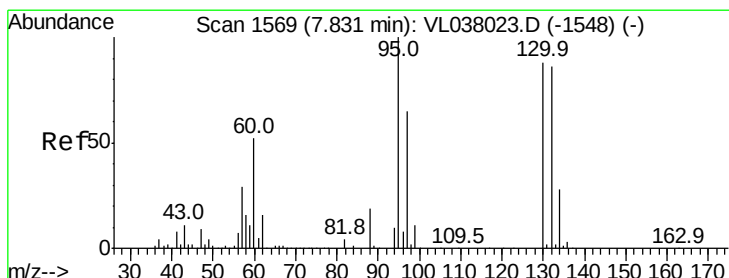
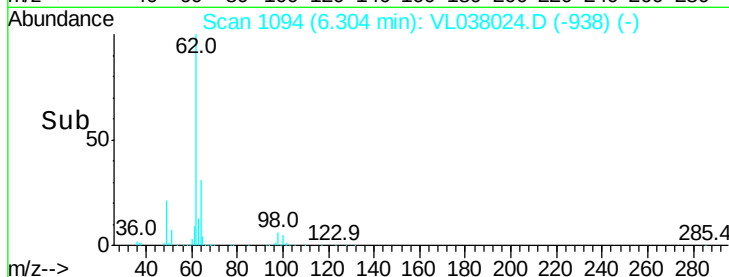
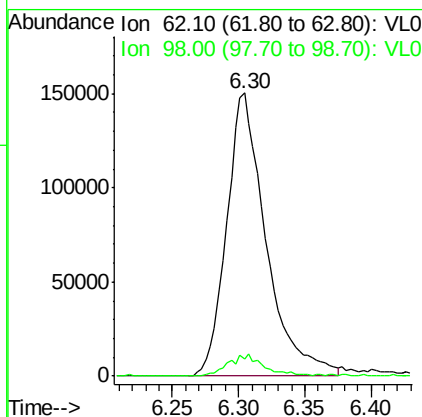
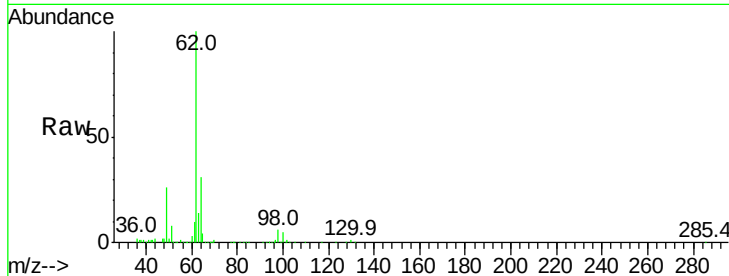


#37
 1,2-Dichloroethane
 Concen: 2.430 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 16 Nov 2021 2:28

Tot Ion:
 Ion Ratio
 62 100
 98 7.

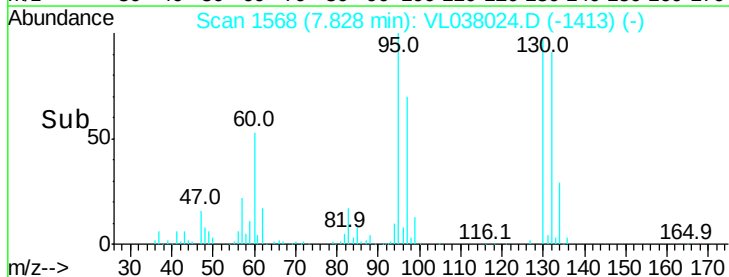
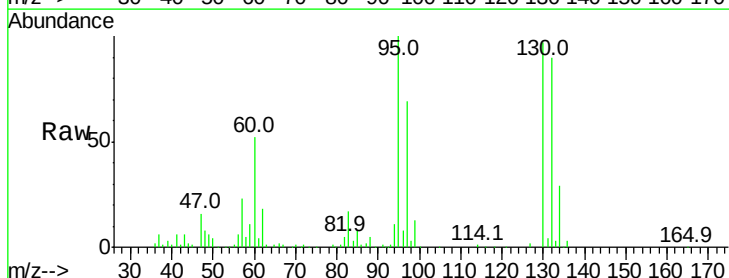
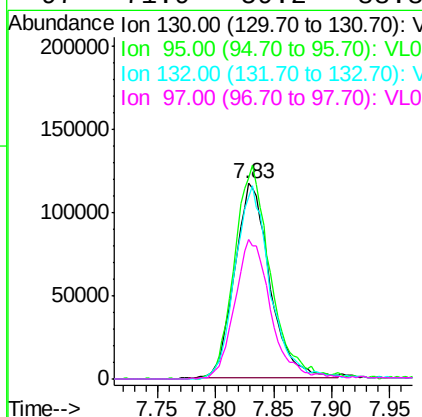
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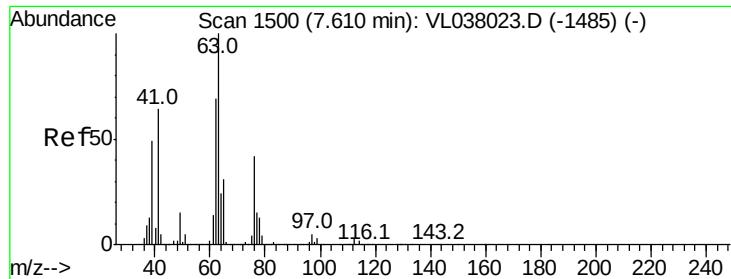
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#38
 Trichloroethene
 Concen: 2.243 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion:130 Resp: 246651
 Ion Ratio Lower Upper
 130 100
 95 103.6 90.5 135.7
 132 93.7 77.4 116.0
 97 71.9 59.2 88.8



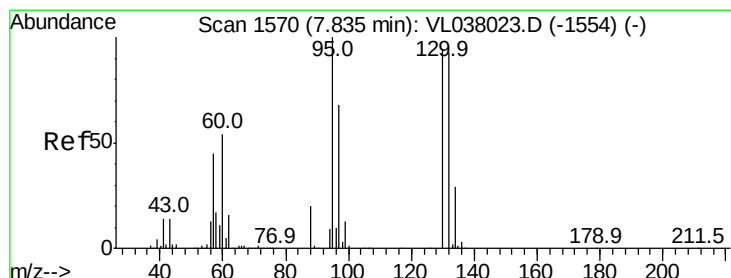
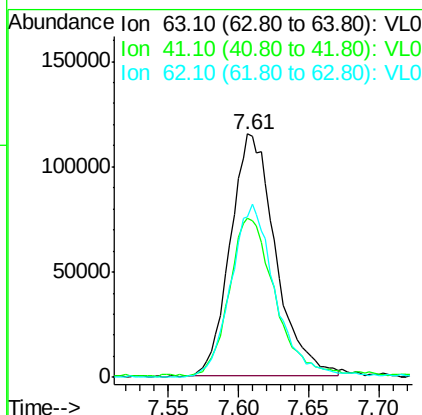
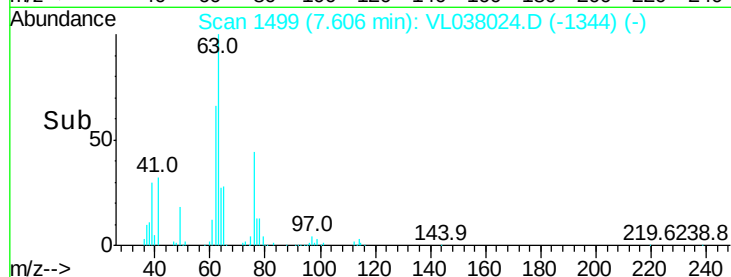
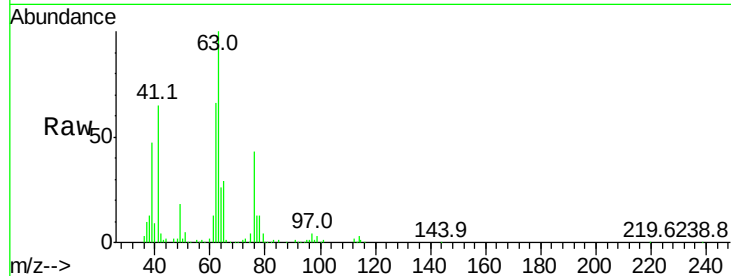


#39
 1,2-Dichloropropane
 Concen: 2.499 ppbv
 RT: 7.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

Tot Ion:
 Ion Ratio
 63 100
 41 65.
 62 66.

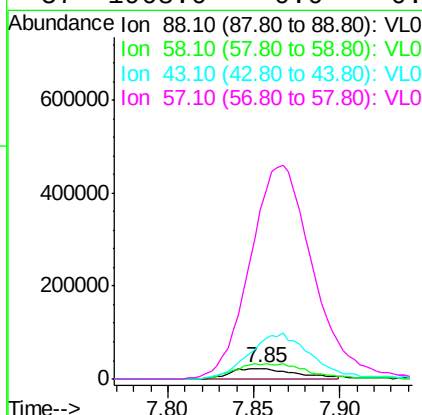
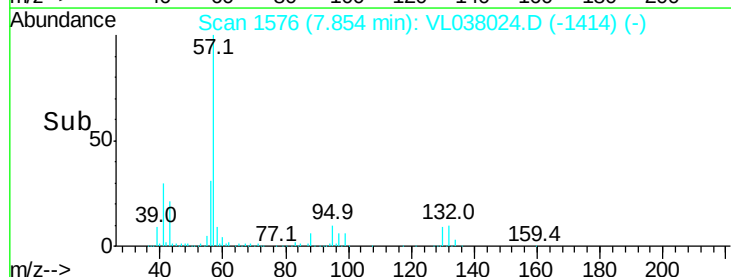
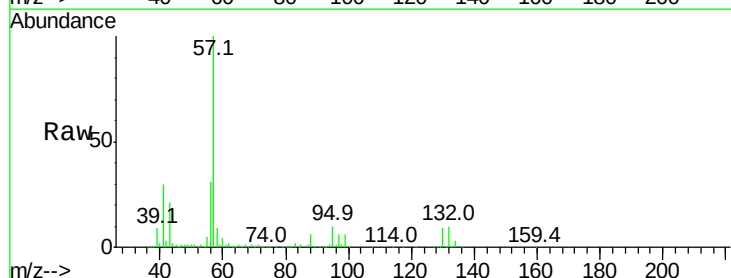
Manual Integrations
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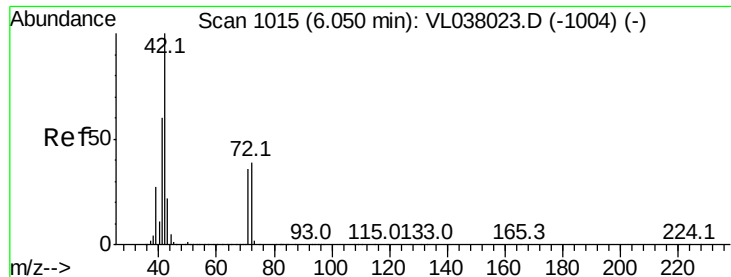
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#40
 1,4-Dioxane
 Concen: 2.282 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion: 88 Resp: 60060
 Ion Ratio Lower Upper
 88 100
 58 169.6 0.0 0.0#
 43 426.3 0.0 0.0#
 57 1968.0 0.0 0.0#



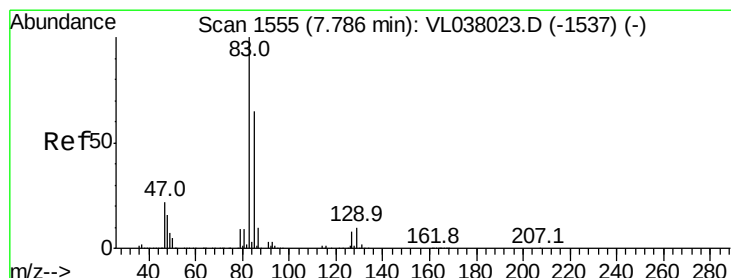
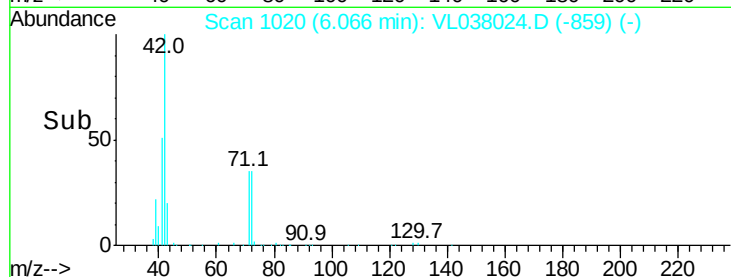
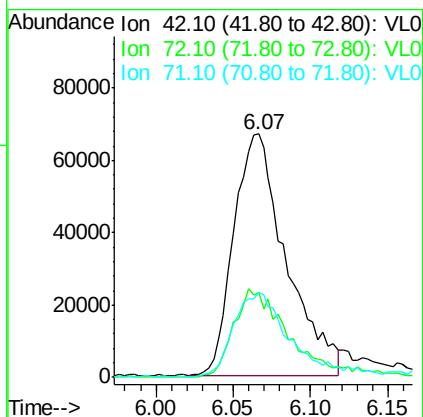
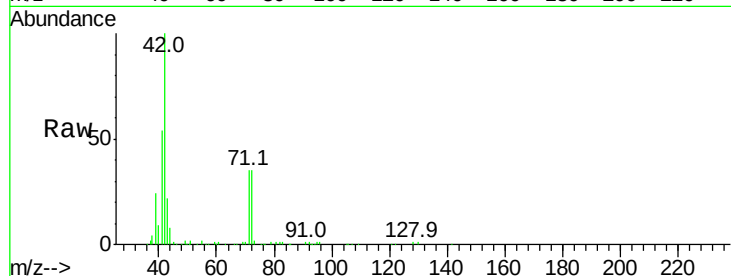


#41
Tetrahydrofuran
Concen: 2.575 ppbv
RT: 6.07
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC002
Acq: 16 Nov 2021 2:28

Tot Ion:
Ion Ratio
42 100
72 39.
71 38.

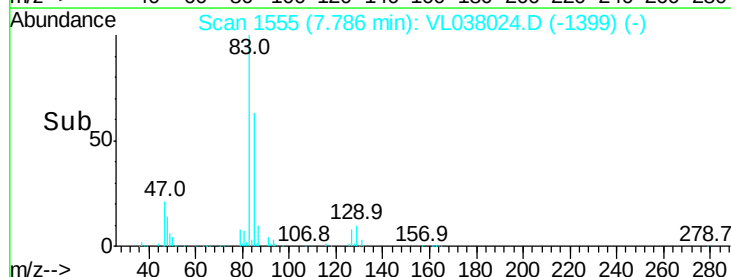
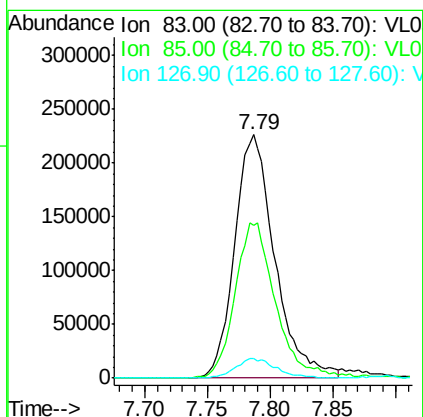
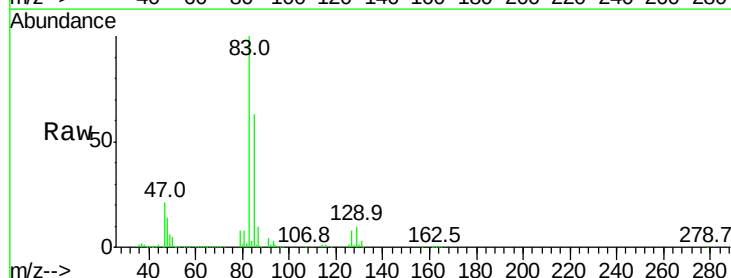
Manual Integrations
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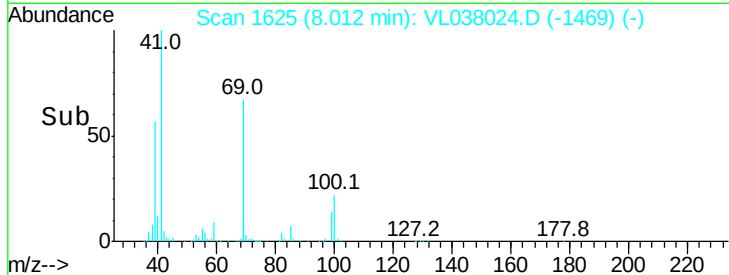
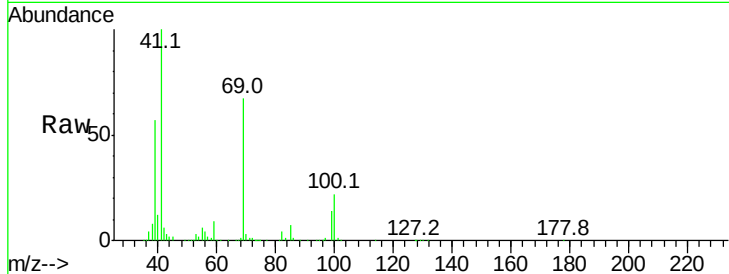
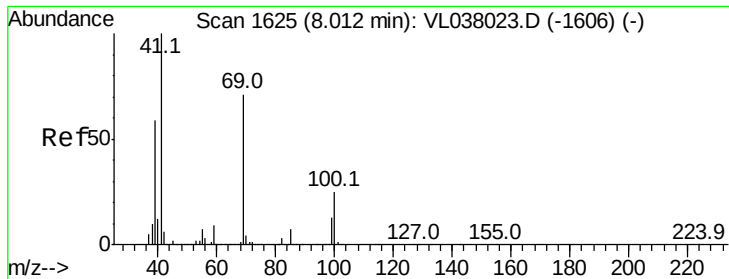
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#42
Bromodichloromethane
Concen: 2.578 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 83 Resp: 502939
Ion Ratio Lower Upper
83 100
85 62.6 51.6 77.4
127 8.1 6.6 10.0





#43

Methyl Methacrylate

Concen: 2.694 ppbv

RT: 8.01

Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId : VSTDIC002

Acq: 16 Nov 2021 2:28

Tot Ion:

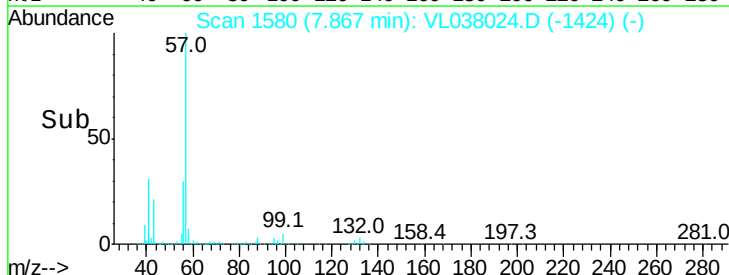
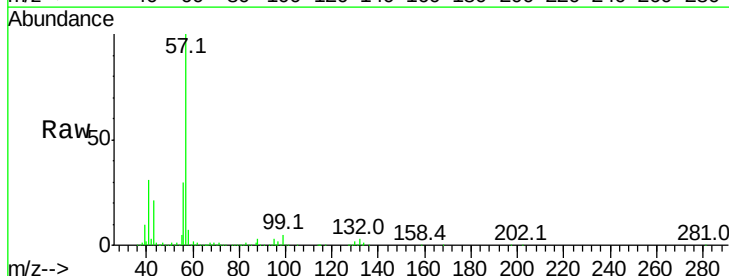
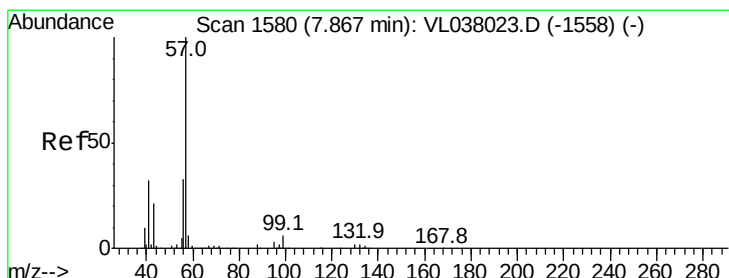
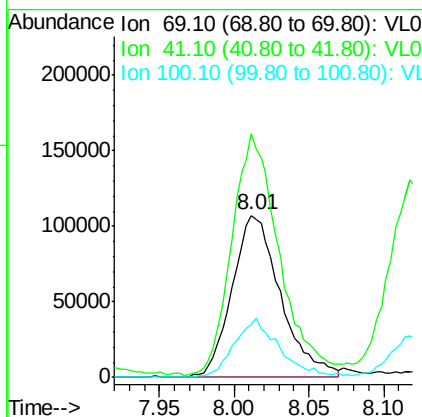
Ion	Ratio
69	100
41	147.
100	33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#44

2,2,4-Trimethylpentane

Concen: 2.579 ppbv

RT: 7.87 min Scan# 1580

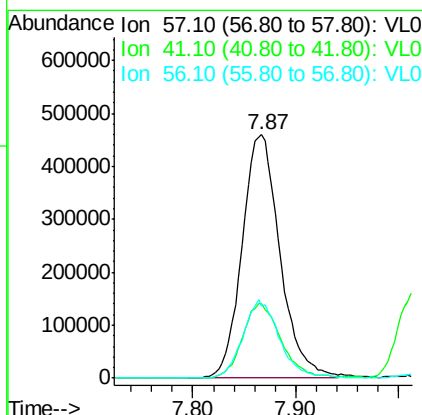
Delta R.T. 0.00 min

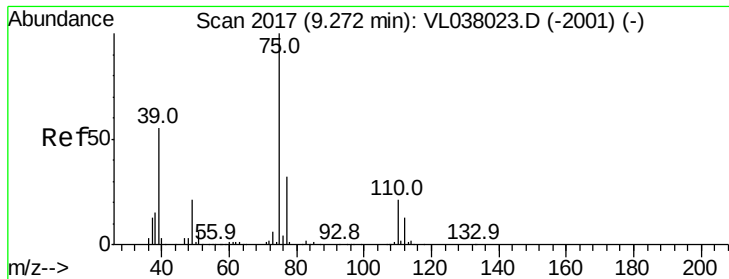
Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion: 57 Resp: 1172574

Ion	Ratio	Lower	Upper
57	100		
41	30.9	26.3	39.5
56	31.3	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 2.770 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC002

Acq: 16 Nov 2021 2:28

Tot Ion:

Ion Ratio

75 100

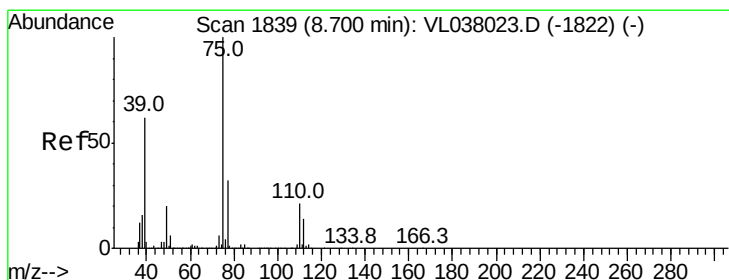
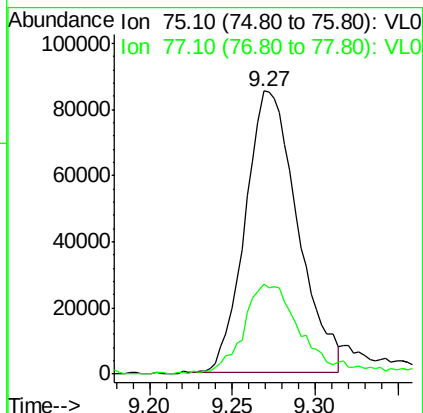
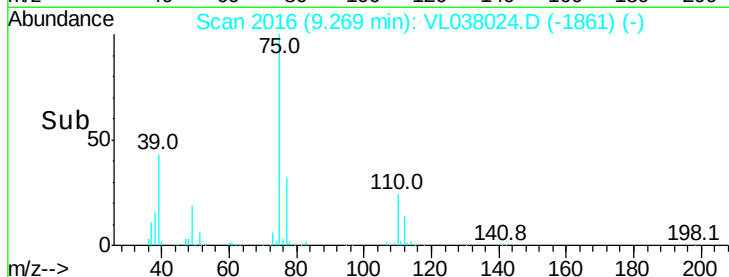
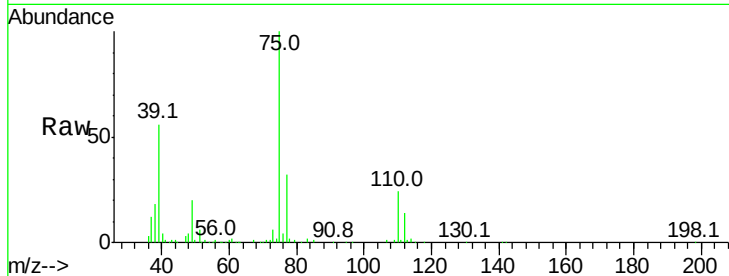
77 32.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#46

cis-1,3-Dichloropropene

Concen: 2.896 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

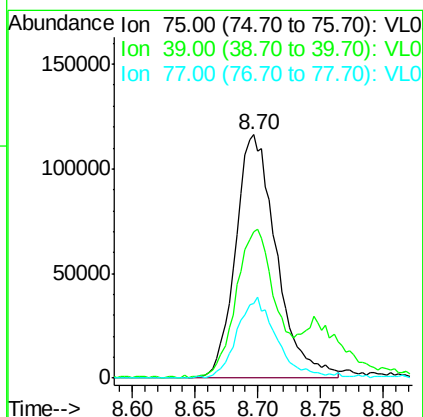
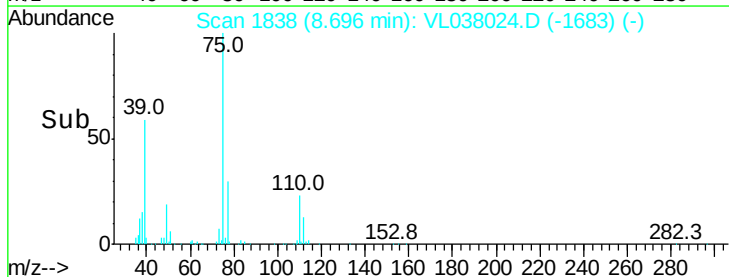
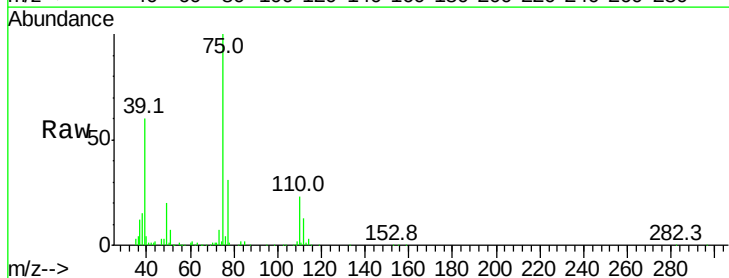
Tgt Ion: 75 Resp: 263761

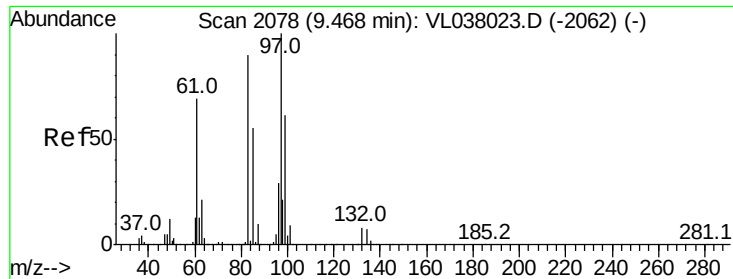
Ion Ratio Lower Upper

75 100

39 60.0 49.2 73.8

77 30.3 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 2.294 ppbv

RT: 9.46 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Nov 2021 2:28 VSTDIC002

Tot Ion:

Ion Ratio

97 100

83 87.

85 56.

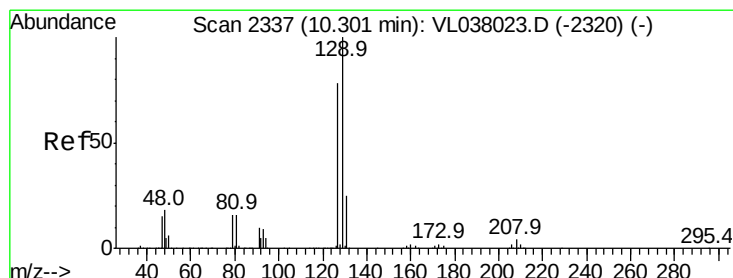
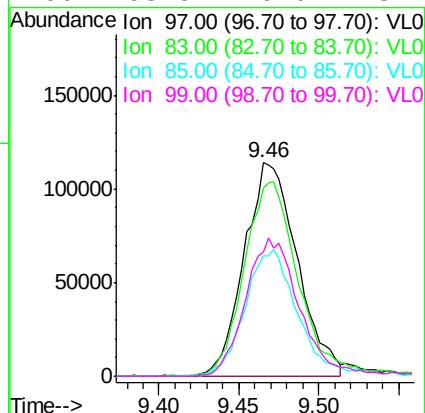
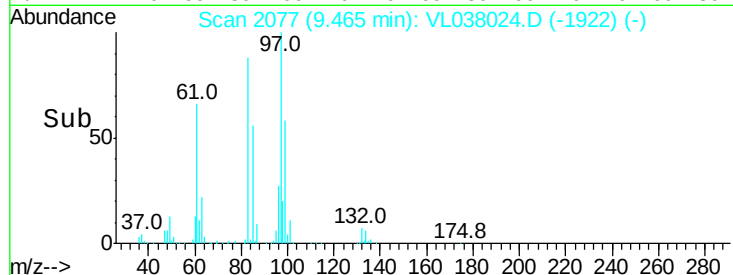
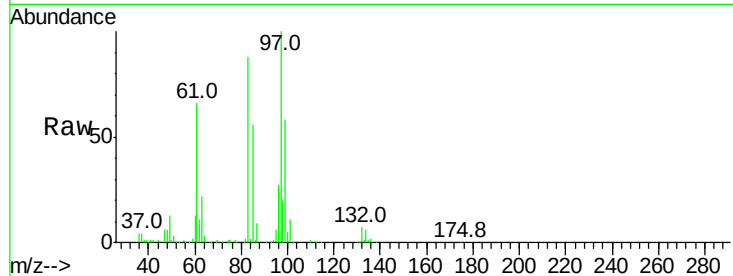
99 58.3 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#48

Dibromochloromethane

Concen: 2.732 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VL038024.D

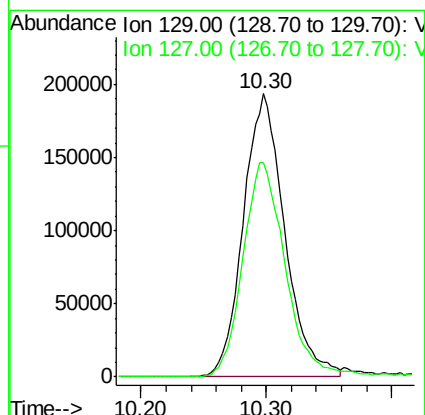
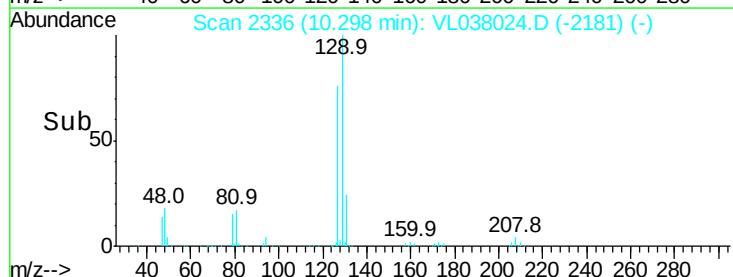
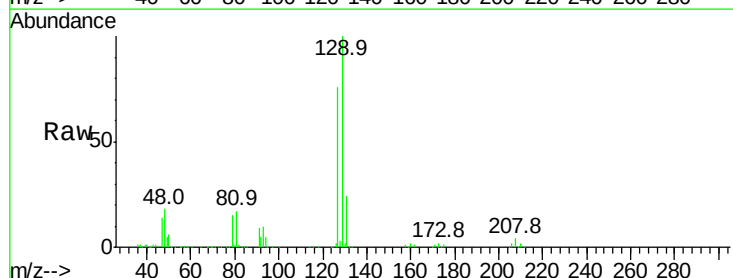
Acq: 16 Nov 2021 2:28

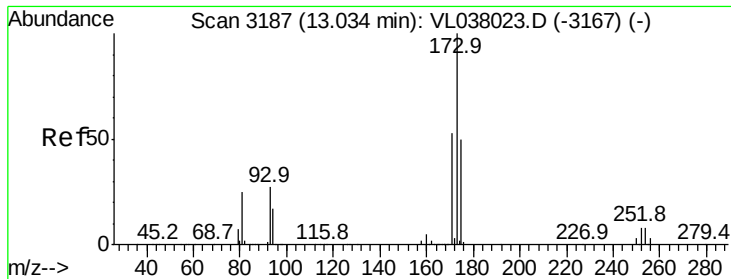
Tgt Ion:129 Resp: 442646

Ion Ratio Lower Upper

129 100

127 78.9 39.8 119.3





#49

Bromoform

Concen: 2.733 ppbv

RT: 13.03

Delta R.T.

Lab File:

Acq: 16 Nov 2021

Instrument:

MSVOA_L

ClientSampleId:

VSTDIC002

2.28

Tot Ion:1

Ion Ratio

173 100

175 49.

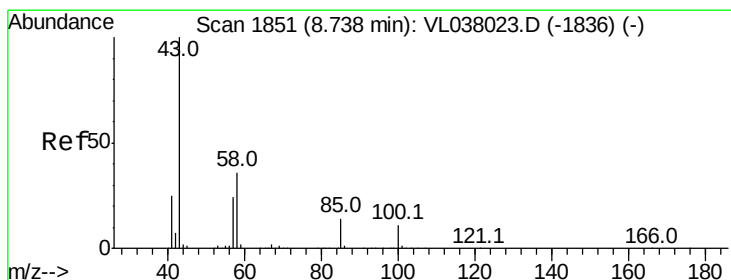
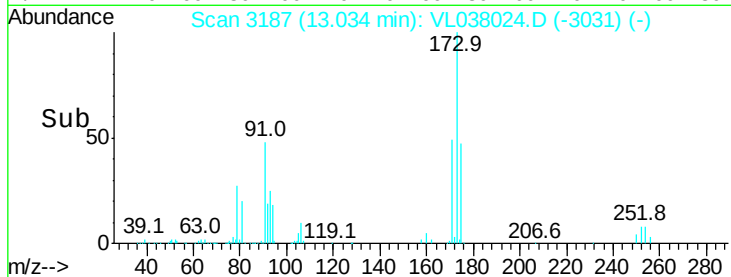
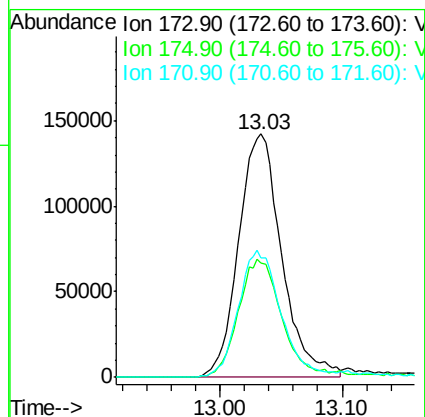
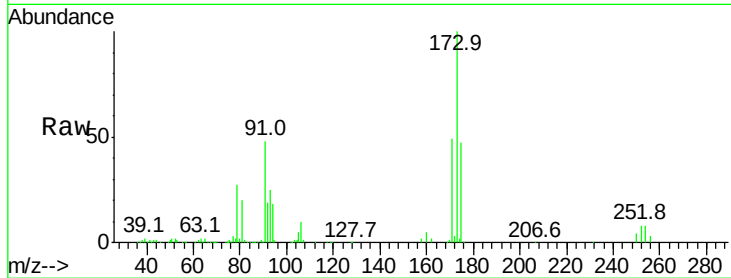
171 54.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#50

4-Methyl-2-Pentanone

Concen: 2.503 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL038024.D

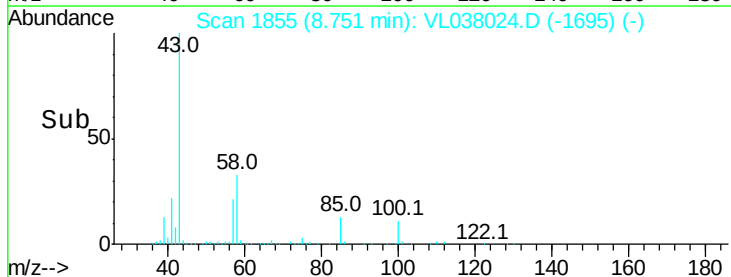
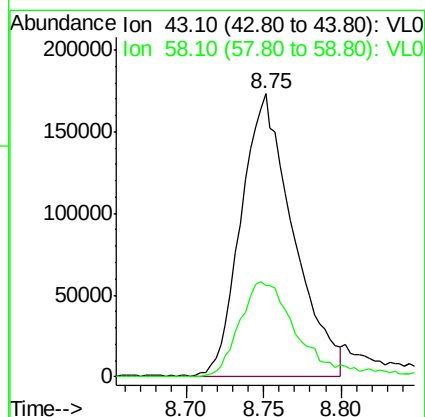
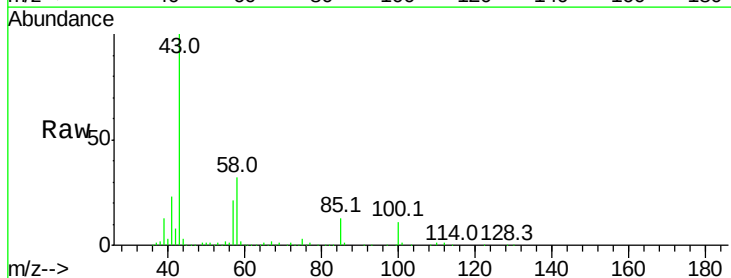
Acq: 16 Nov 2021 2:28

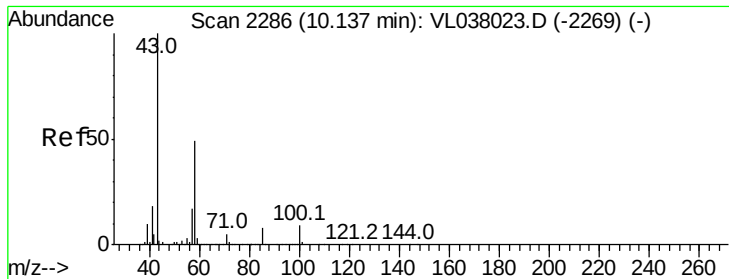
Tgt Ion: 43 Resp: 403257

Ion Ratio Lower Upper

43 100

58 38.4 29.8 44.6





#51

2-Hexanone

Concen: 2.777 ppbv m

RT: 10.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 2:28 VSTDIC002

Tot Ion:

Ion Ratio

43 100

58 52.

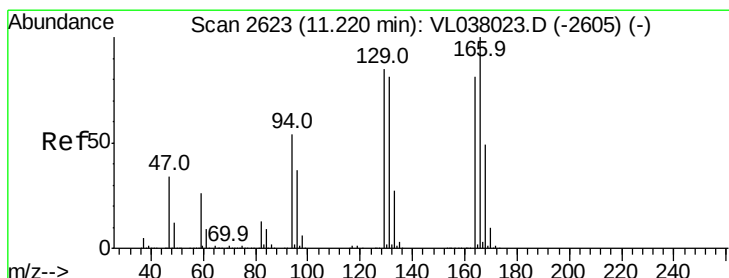
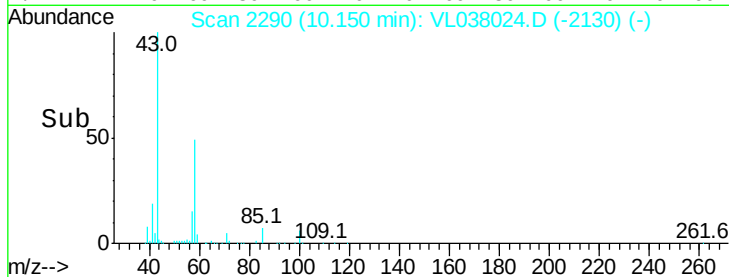
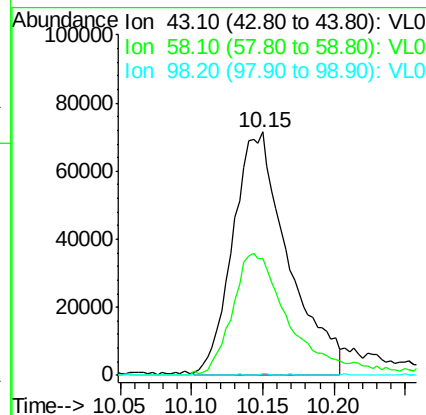
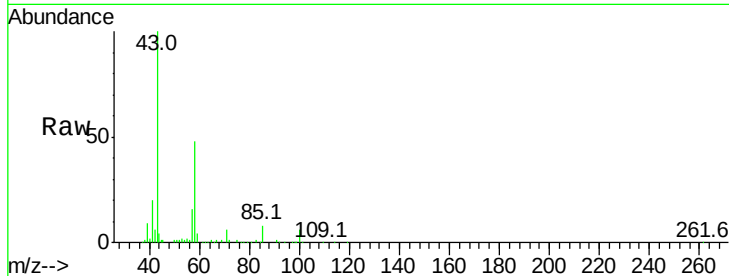
98 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#52

Tetrachloroethene

Concen: 2.360 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion:164 Resp: 237646

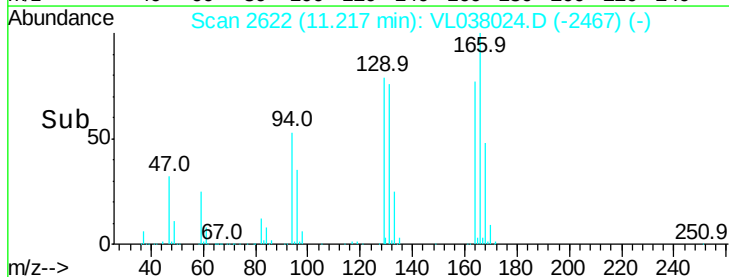
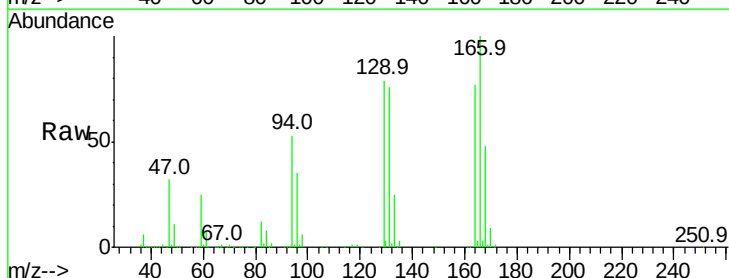
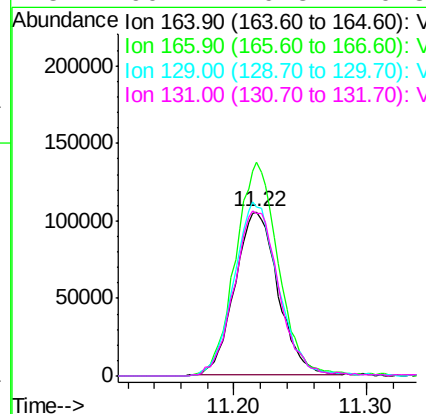
Ion Ratio Lower Upper

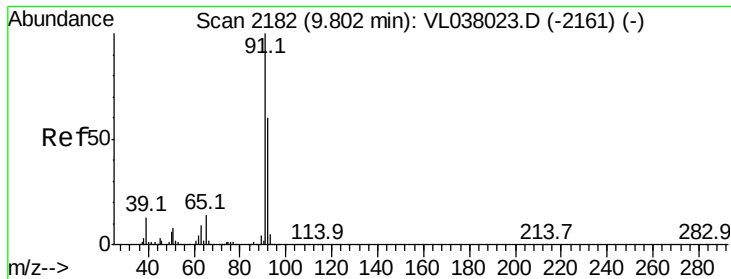
164 100

166 130.3 98.6 148.0

129 102.5 84.1 126.1

131 99.4 79.8 119.8





#53

Toluene

Concen: 2.704 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 2:28

Tot Ion:

Ion Ratio

91 100

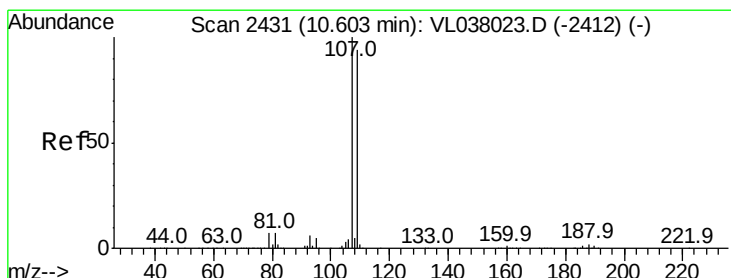
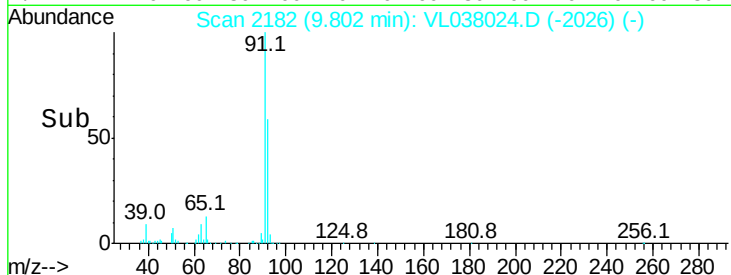
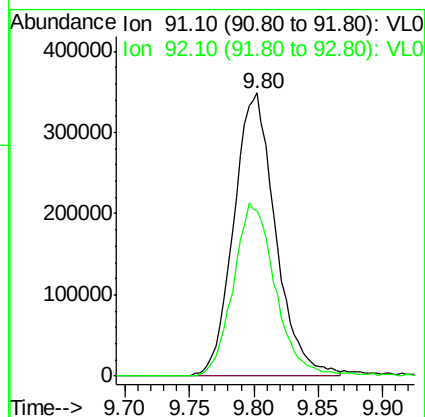
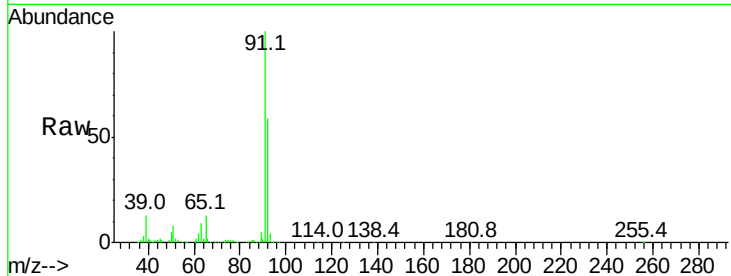
92 62.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#54

1,2-Dibromoethane

Concen: 2.553 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL038024.D

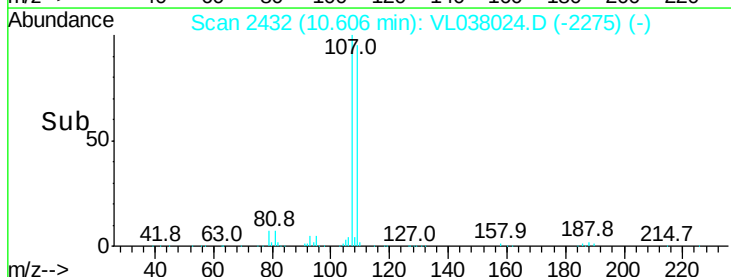
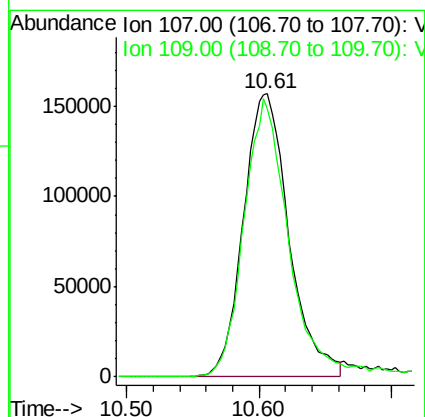
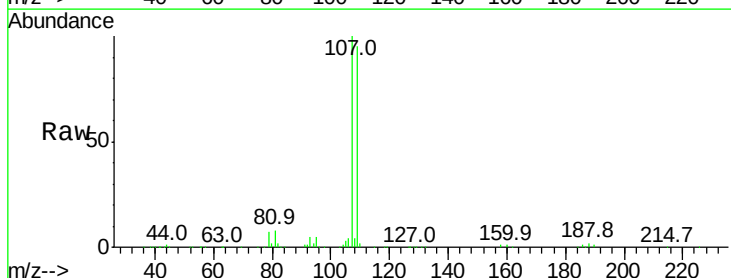
Acq: 16 Nov 2021 2:28

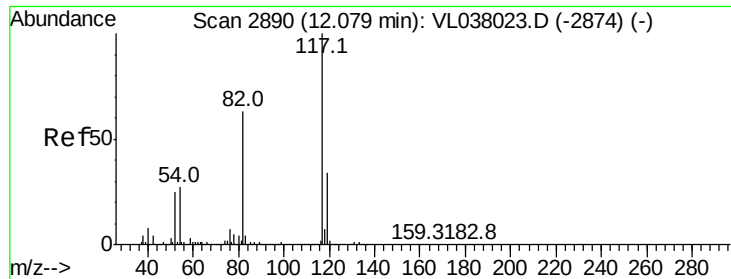
Tgt Ion:107 Resp: 374657

Ion Ratio Lower Upper

107 100

109 94.7 75.0 112.6



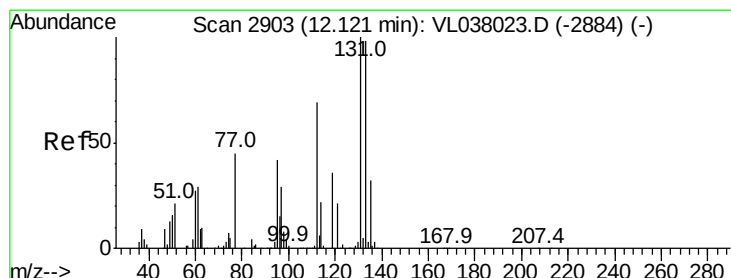
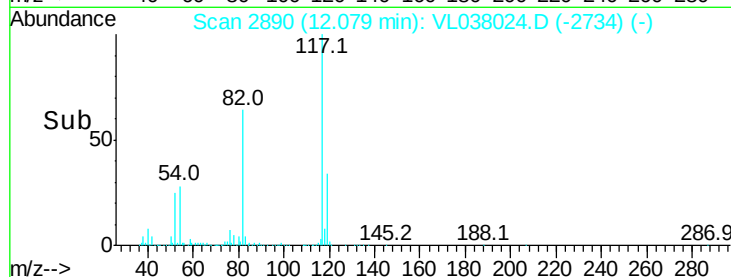
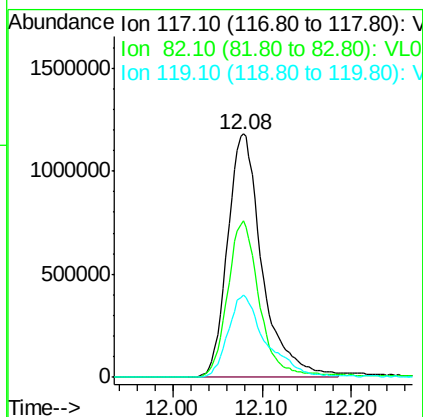
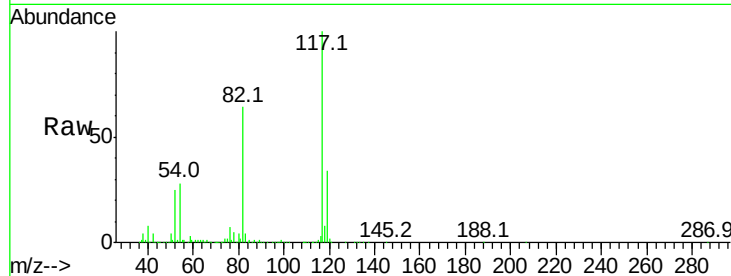


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampleId : VSTDIC002
Acq: 16 Nov 2021 2:28

Tot Ion: 1
Ion Ratio
117 100
82 61.
119 37.

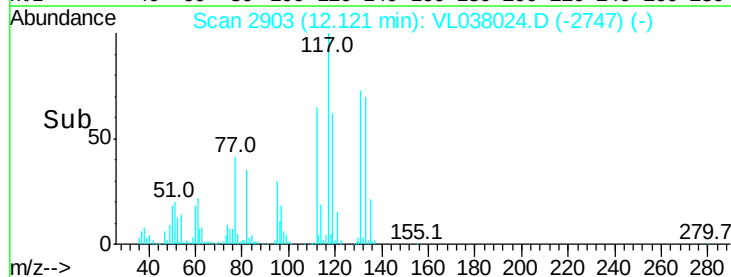
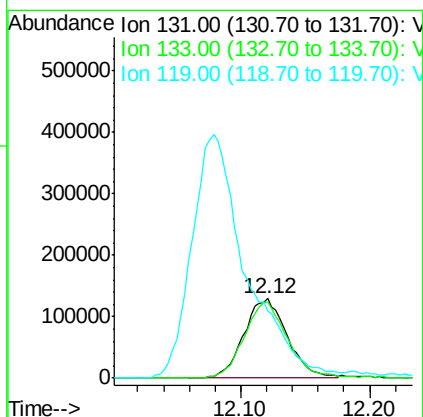
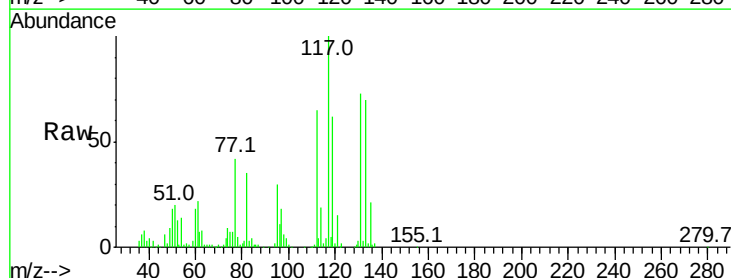
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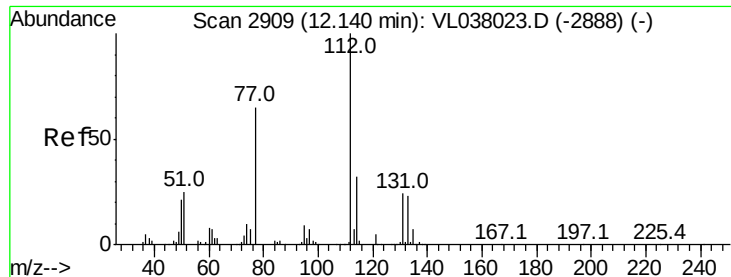
Reviewed By : Semsettin Yesilyurt 11/17/2021
Supervised By : Mahesh Dadoda 11/17/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 2.359 ppbv
RT: 12.12 min Scan# 2903
Delta R.T.: 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 131 Resp: 302114
Ion Ratio Lower Upper
131 100
133 97.8 77.8 116.8
119 395.3 121.1 181.7#



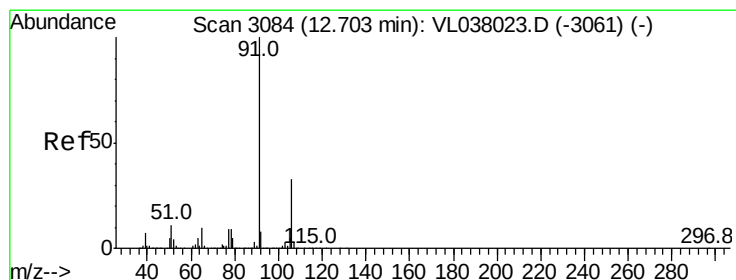
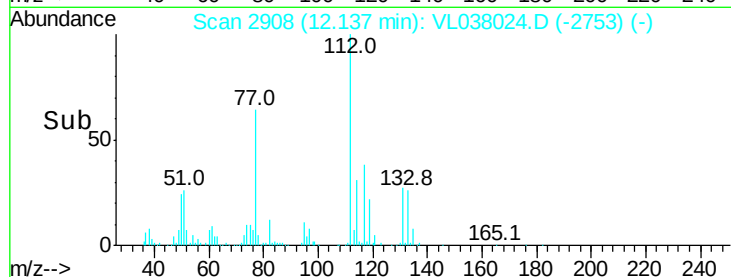
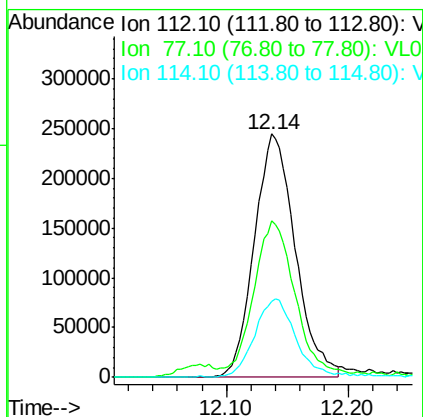
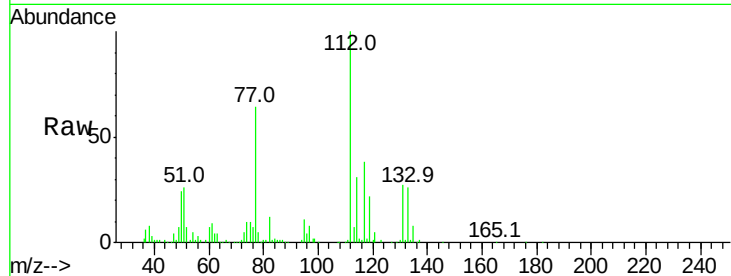


#57
Chlorobenzene
Concen: 2.257 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 16 Nov 2021 2:28

Tot Ion: 1
Ion Ratio
112 100
77 61.
114 30.

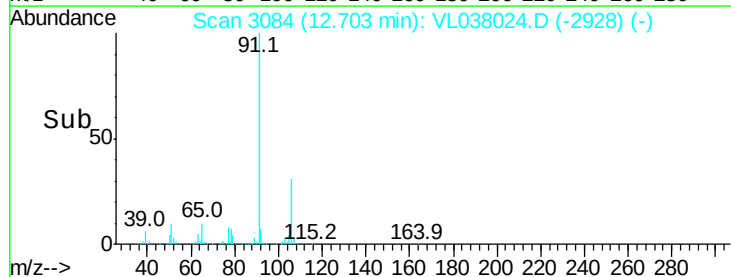
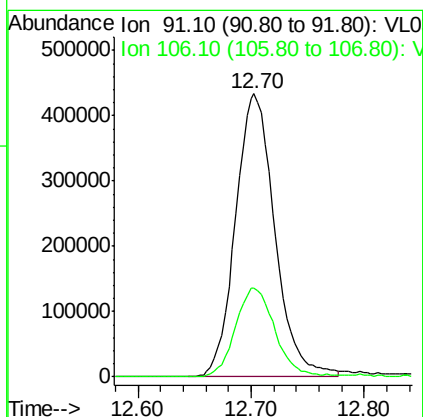
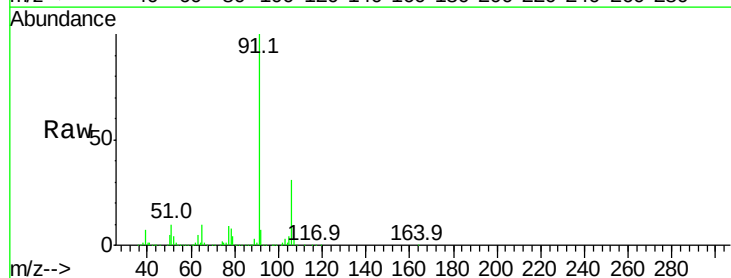
Manual Integrations
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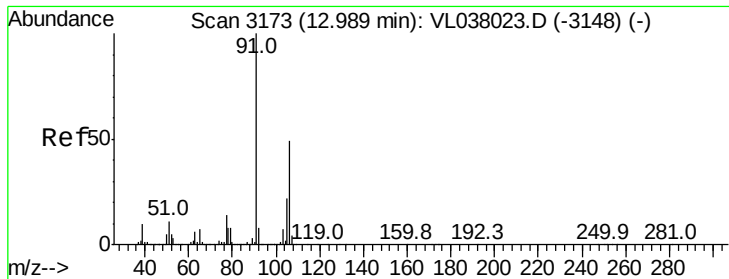
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#58
Ethyl Benzene
Concen: 2.677 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 91 Resp: 1046632
Ion Ratio Lower Upper
91 100
106 31.3 26.2 39.2





#59

m/p-Xylene

Concen: 5.116 ppbv m

RT: 12.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 2:28

Tot Ion:

Ion Ratio

91 100

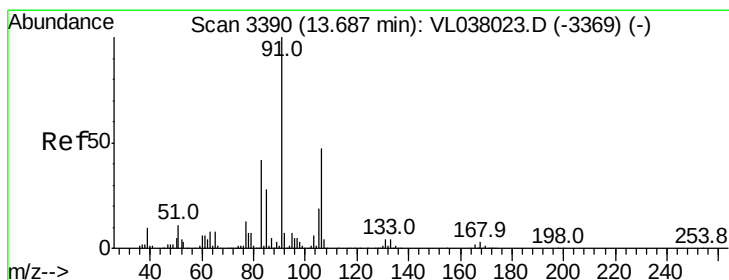
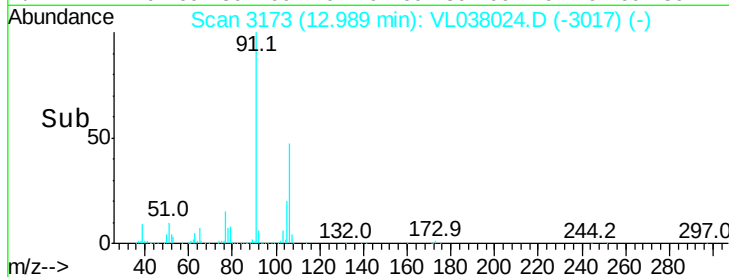
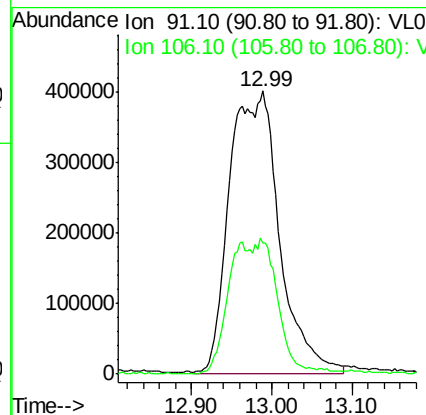
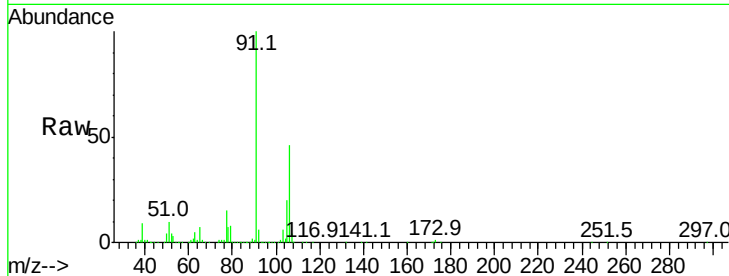
106 45.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#60

o-Xylene

Concen: 2.520 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VL038024.D

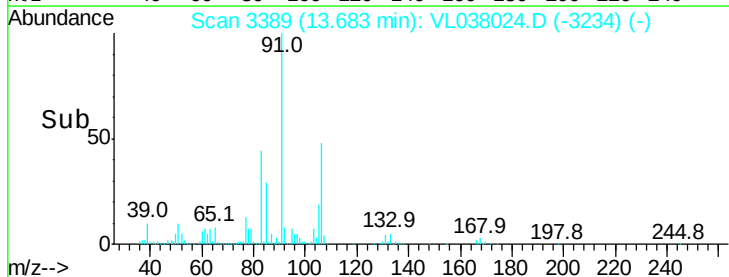
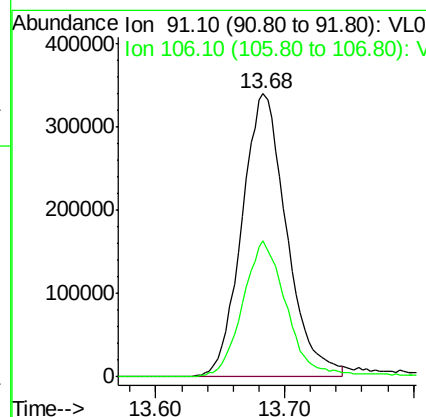
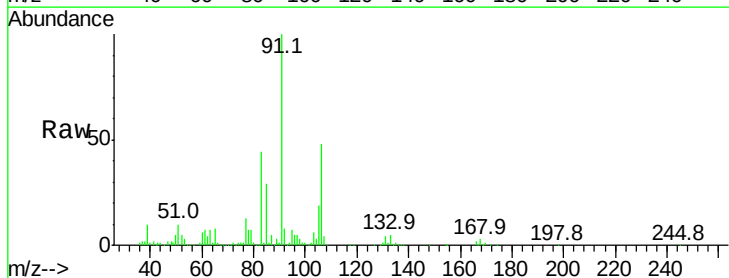
Acq: 16 Nov 2021 2:28

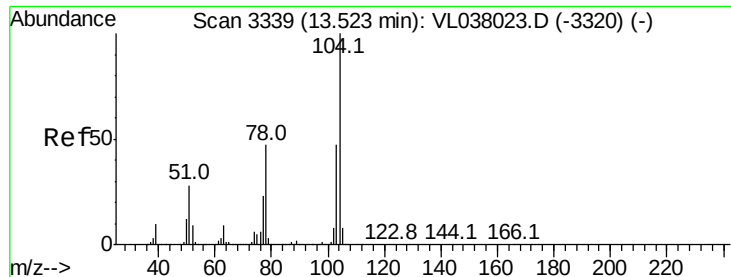
Tgt Ion: 91 Resp: 813901

Ion Ratio Lower Upper

91 100

106 48.5 24.2 72.6



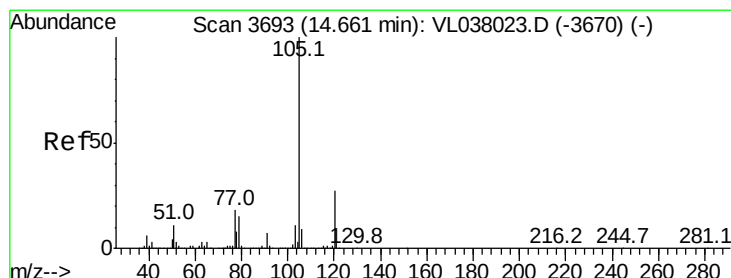
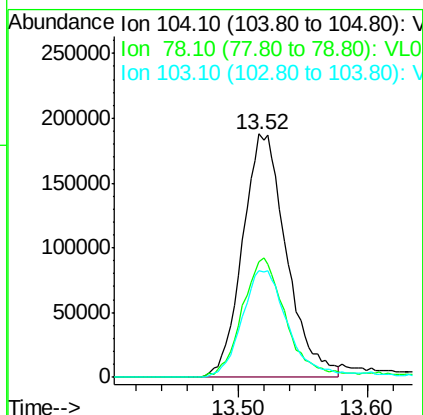
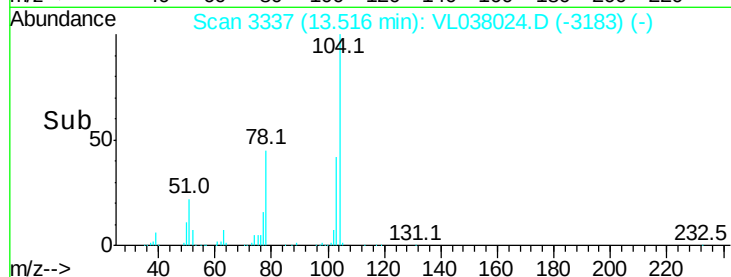
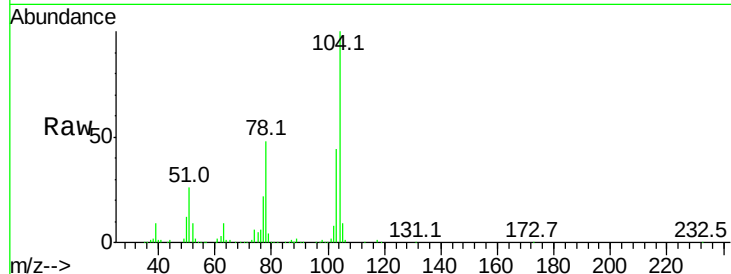


#61
Stvrene
Concen: 2.933 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 2:28

Tot Ion:1
Ion Rati
104 100
78 50.
103 47.

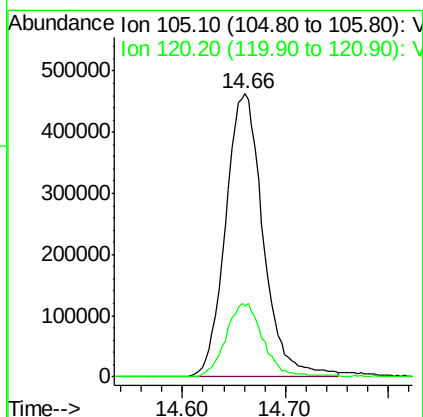
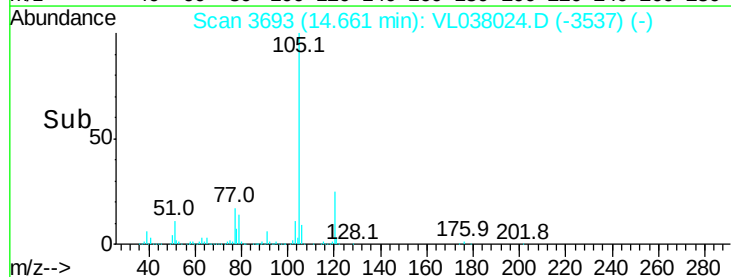
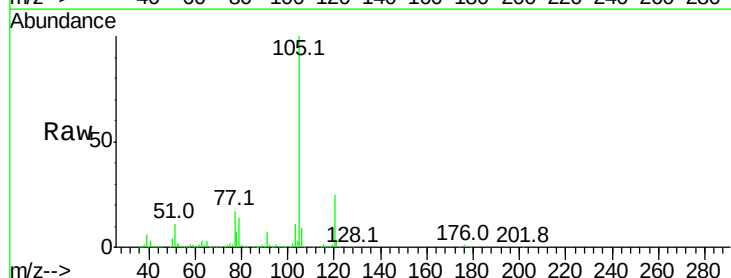
Manual Integrations
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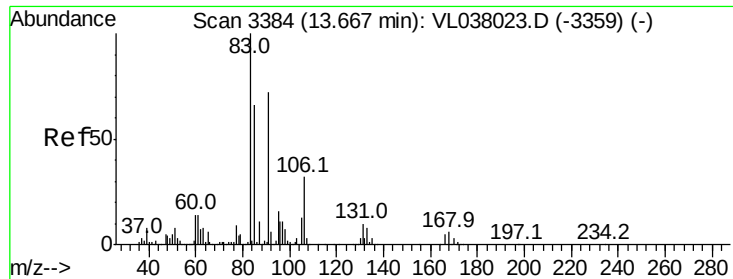
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#62
Isopropylbenzene
Concen: 2.522 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion:105 Resp: 1164388
Ion Ratio Lower Upper
105 100
120 26.5 21.7 32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 2.059 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 2:28

Tot Ion:

Ion Ratio

83 100

131 9.

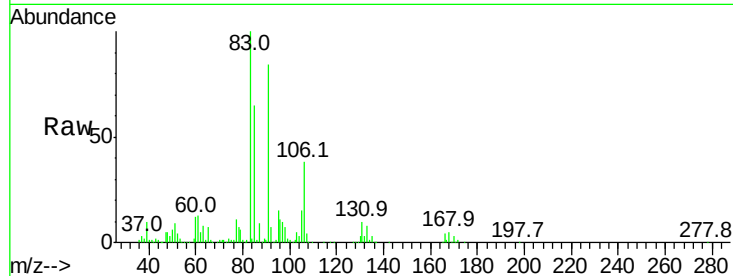
85 67.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

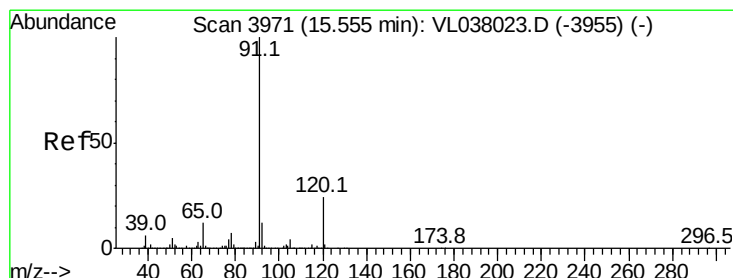
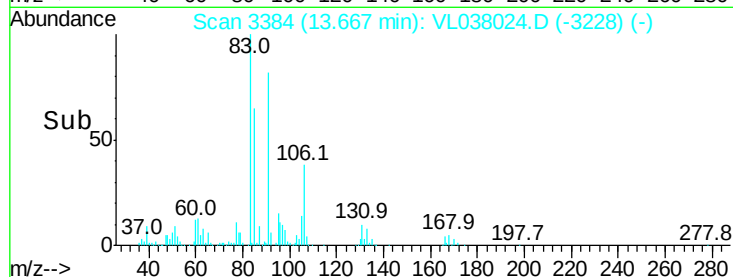
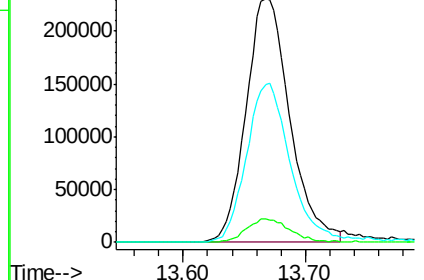
Supervised By :Mahesh Dadoda 11/17/2021



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.602 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL038024.D

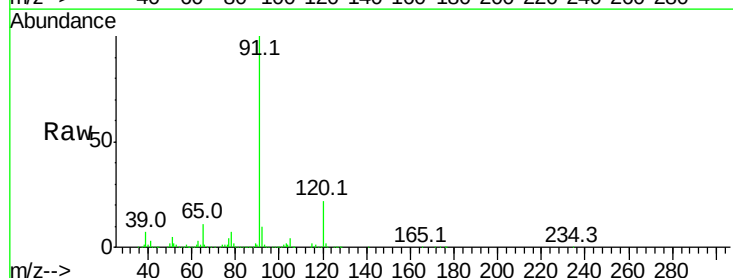
Acq: 16 Nov 2021 2:28

Tgt Ion:120 Resp: 305513

Ion Ratio Lower Upper

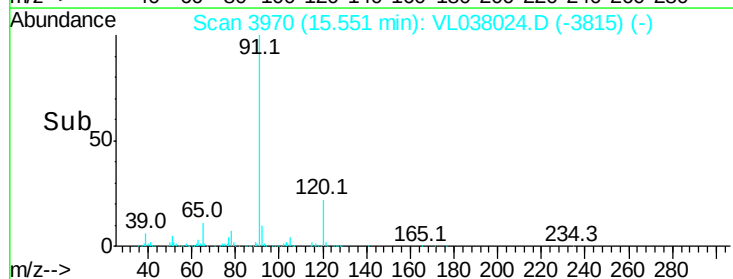
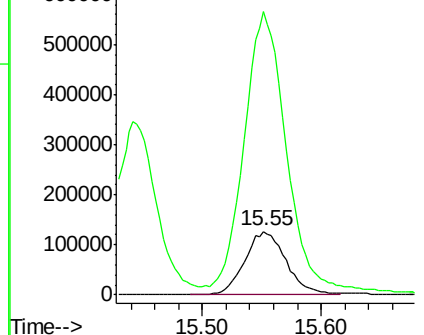
120 100

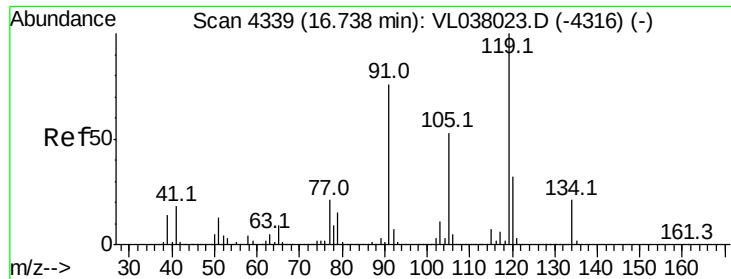
91 466.4 367.4 551.0



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



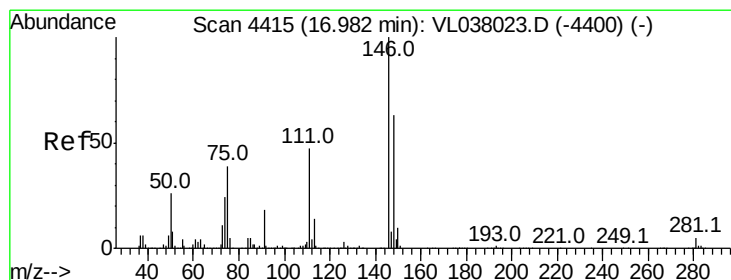
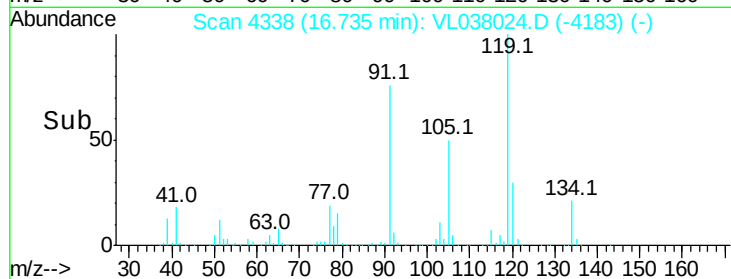
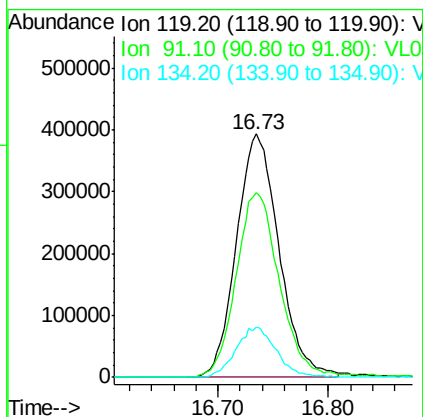
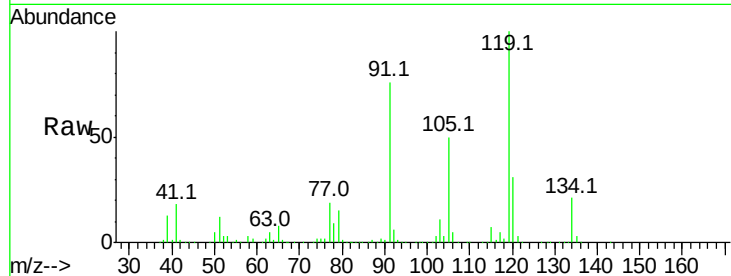


#65
tert-Butylbenzene
Concen: 2.592 ppbv
RT: 16.73 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC002
Acq: 16 Nov 2021 2:28

Tot Ion:1
Ion Rati
119 100
91 77.
134 19.

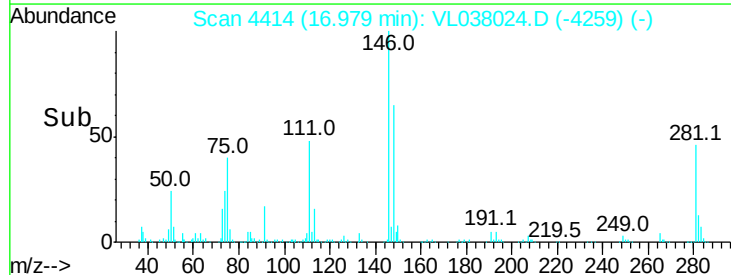
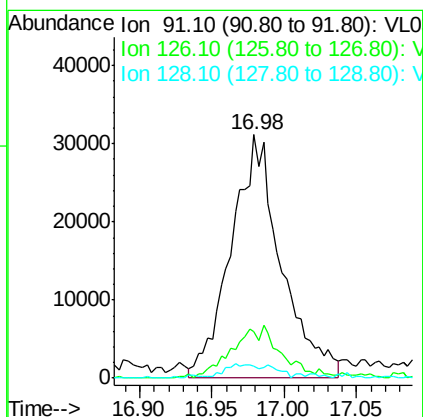
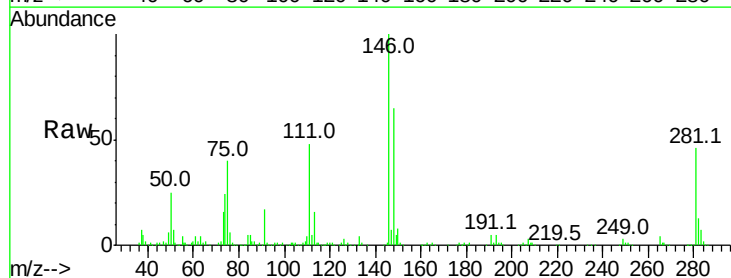
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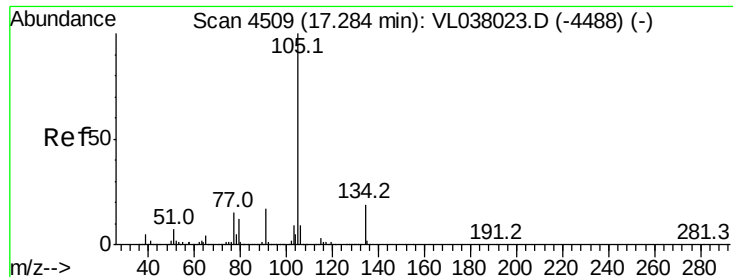
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#66
Benzyl Chloride
Concen: 3.410 ppbv m
RT: 16.98 min Scan# 4414
Delta R.T. -0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 91 Resp: 75149
Ion Ratio Lower Upper
91 100
126 22.3 16.4 24.6
128 0.0 5.6 8.4#





#67

sec-Butylbenzene

Concen: 2.629 ppbv

RT: 17.28

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Nov 2021 2:28

Tot Ion:1

Ion Ratio

105 100

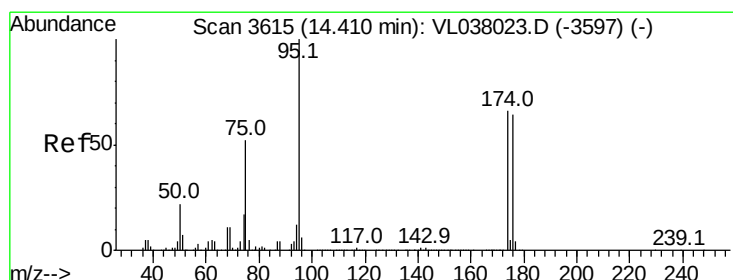
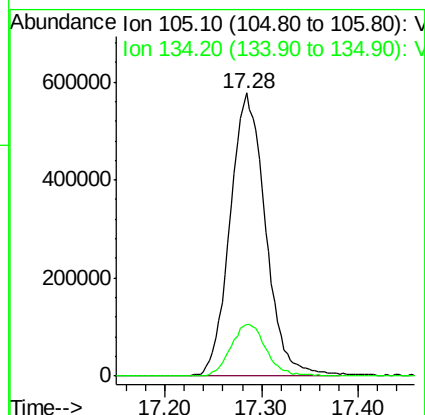
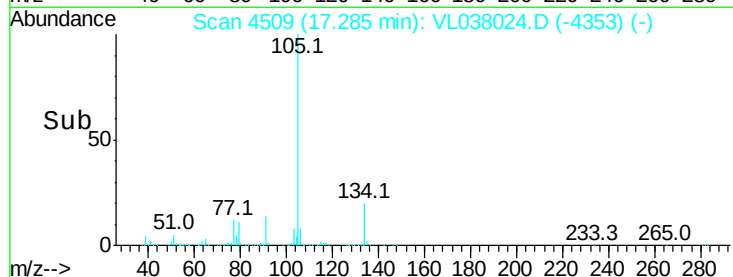
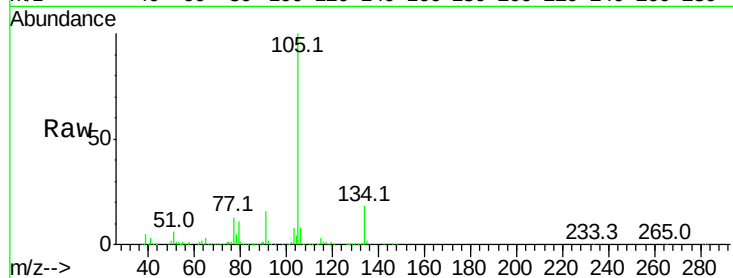
134 18.

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 9.636 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

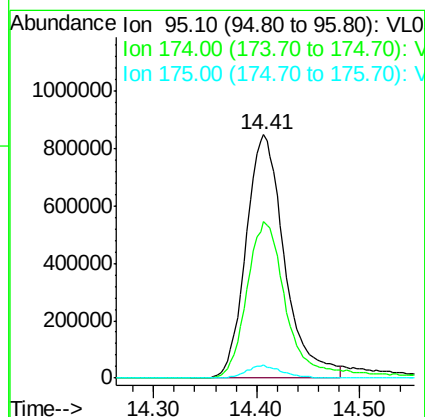
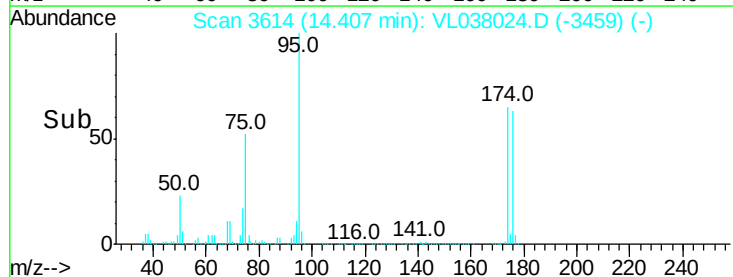
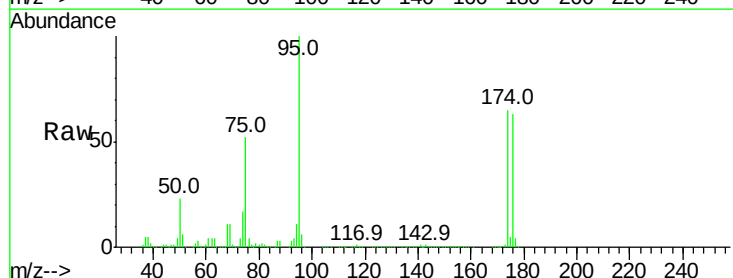
Tgt Ion: 95 Resp: 2203193

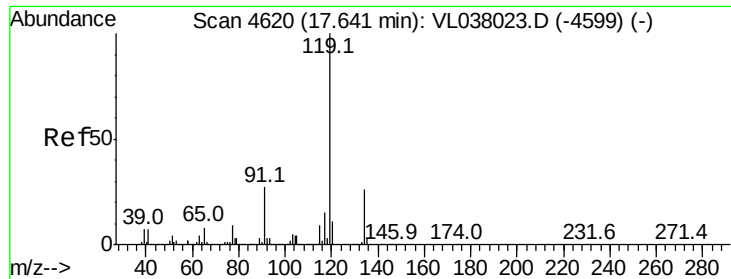
Ion Ratio Lower Upper

95 100

174 68.1 54.9 82.3

175 4.8 4.0 6.0



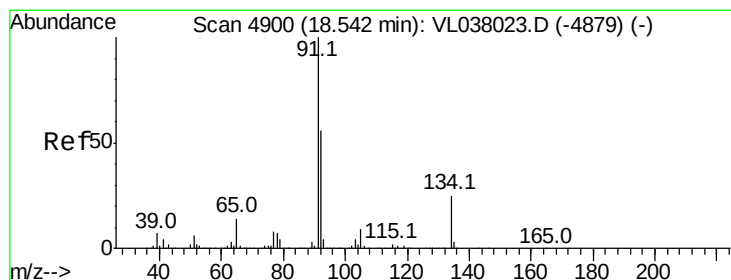
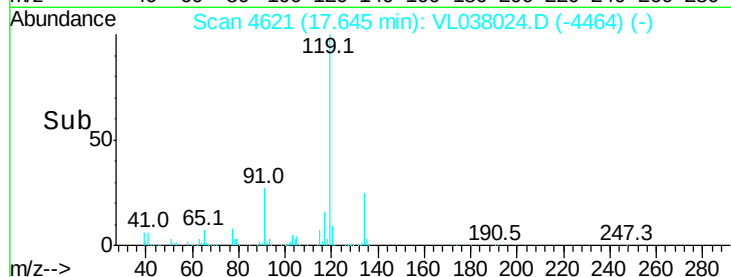
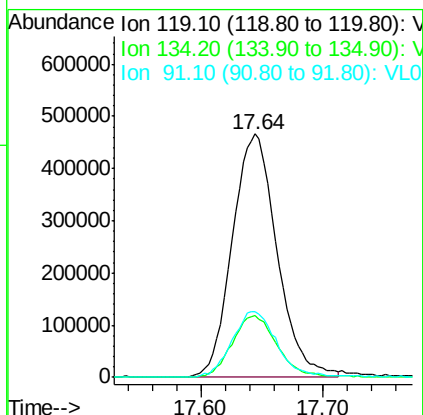
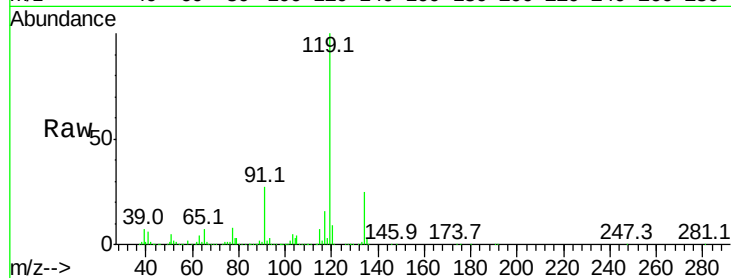


#69
 p-Isopropyltoluene
 Concen: 2.626 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

Tot Ion: 1
 Ion Ratio
 119 100
 134 26.1
 91 28.8

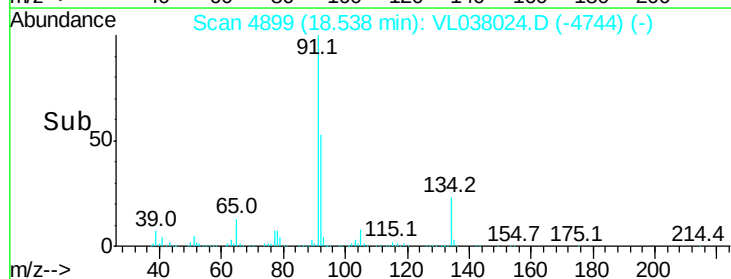
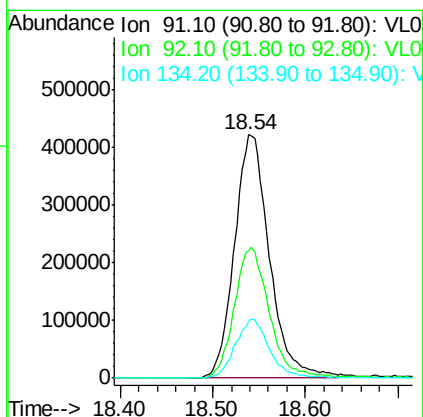
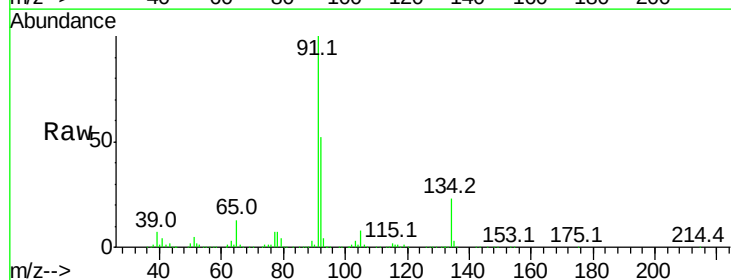
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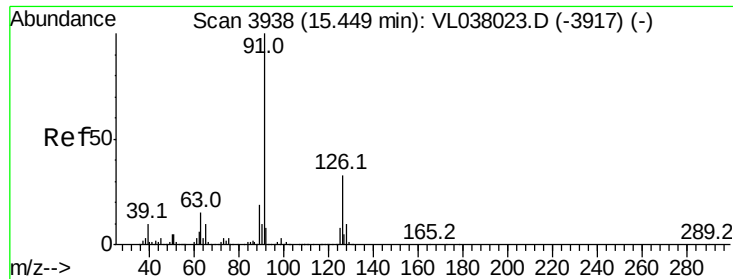
Reviewed By : Semsettin Yesilyurt 11/17/2021
 Supervised By : Mahesh Dadoda 11/17/2021



#70
 n-Butylbenzene
 Concen: 2.685 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T.: -0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion: 91 Resp: 1101726
 Ion Ratio Lower Upper
 91 100
 92 54.4 44.2 66.2
 134 24.0 19.7 29.5





#71

2-Chlorotoluene

Concen: 2.604 ppbv

RT: 15.44

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 2:28

Tot Ion:

Ion Ratio

91 100

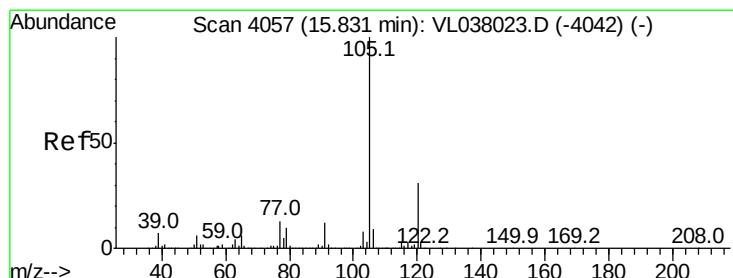
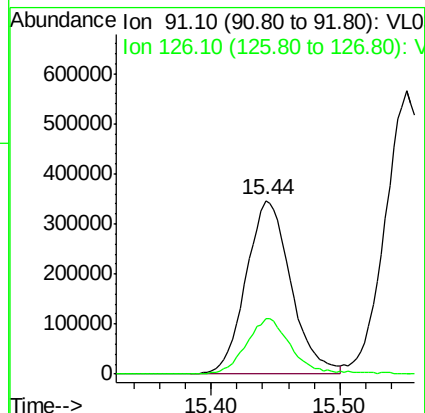
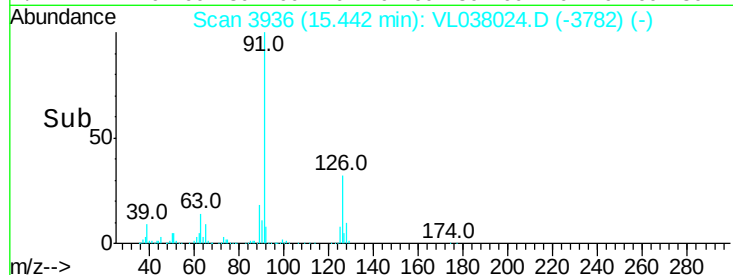
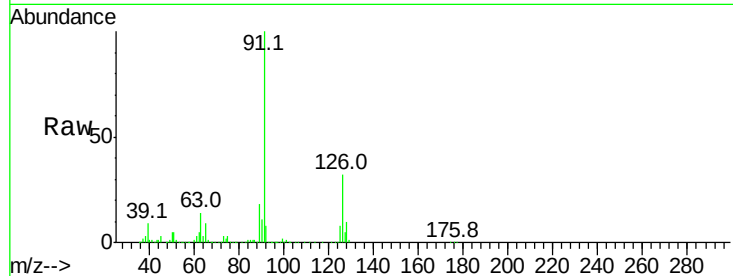
126 32.

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#72

4-Ethyltoluene

Concen: 2.613 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion:105 Resp: 977234

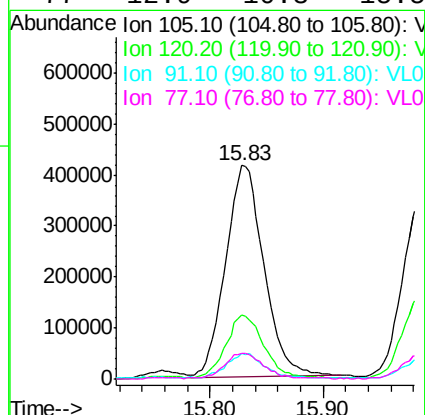
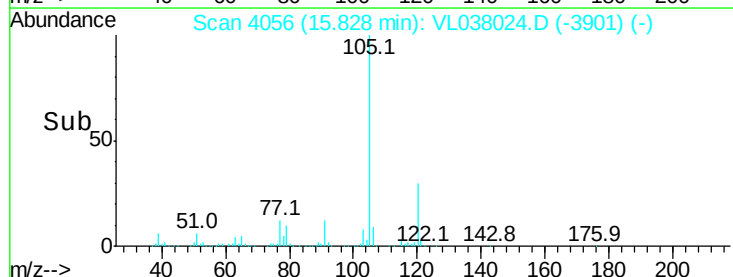
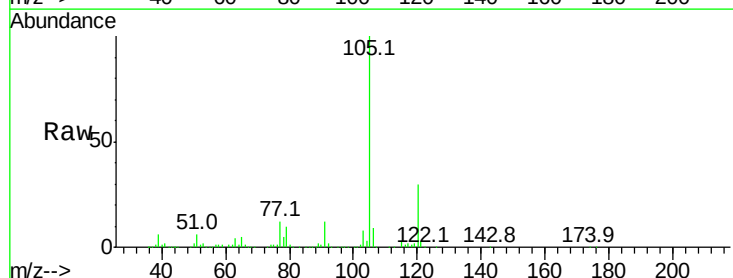
Ion Ratio Lower Upper

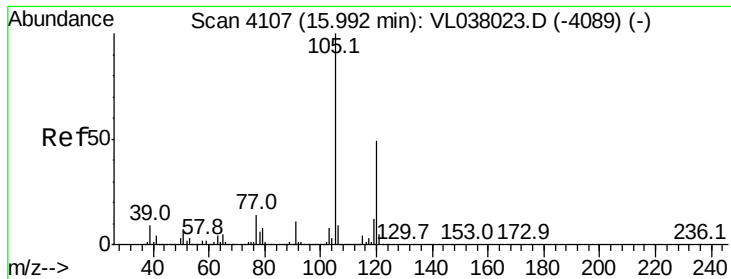
105 100

120 30.7 24.6 36.8

91 11.3 9.3 13.9

77 12.9 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 2.539 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 2:28

Tot Ion:1

Ion Rati

105 100

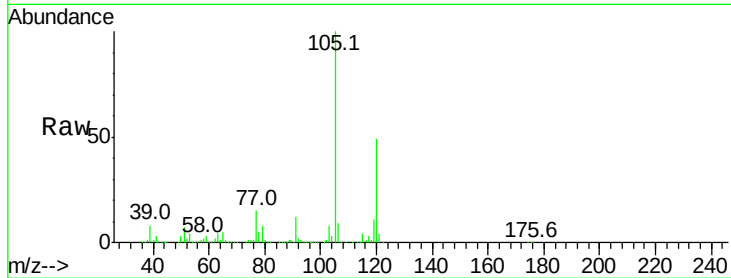
120 48.

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

400000

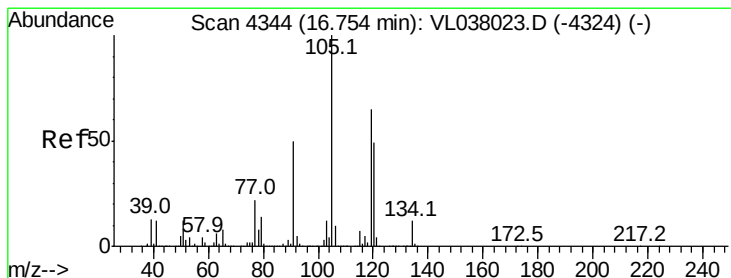
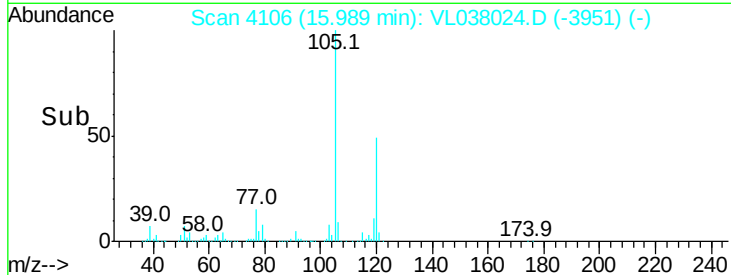
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.537 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion:105 Resp: 918375

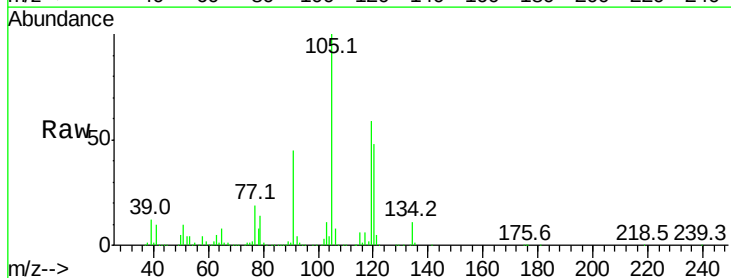
Ion Ratio Lower Upper

105 100

120 48.2 39.5 59.3

91 43.8 40.9 61.3

77 19.1 17.2 25.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

500000

400000

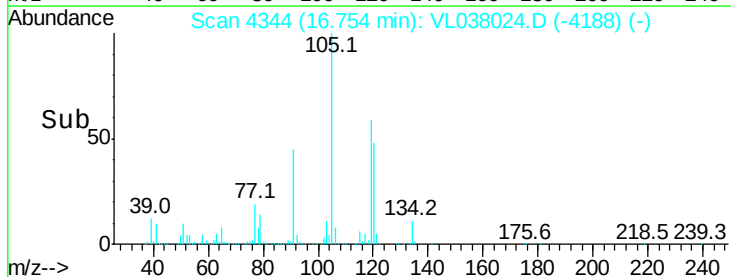
300000

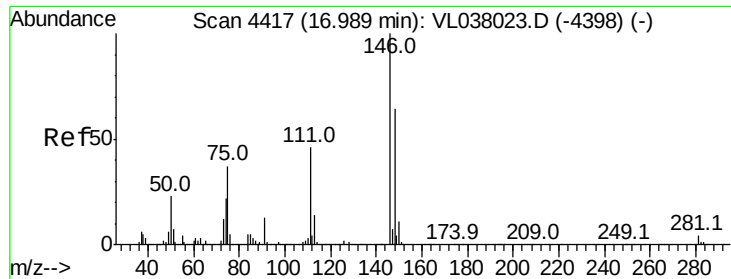
200000

100000

0

Time-->



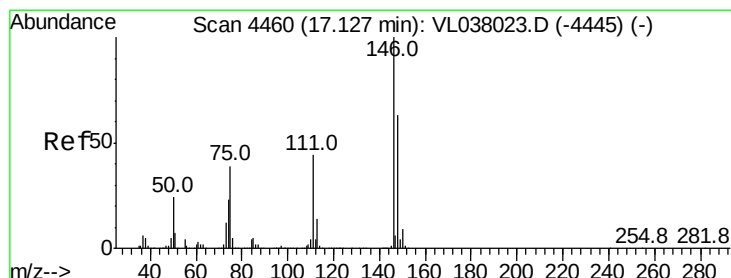
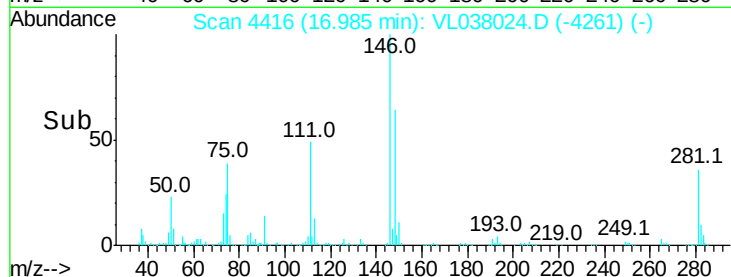
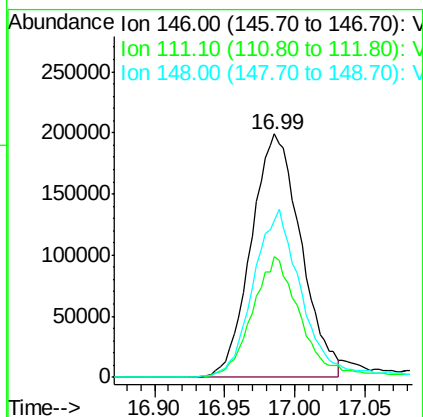
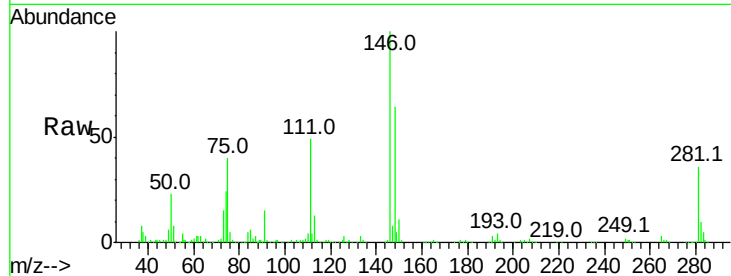


#75
 1,3-Dichlorobenzene
 Concen: 2.182 ppbv
 RT: 16.99
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 16 Nov 2021 2:28

Tot Ion:1
 Ion Rati
 146 100
 111 48.
 148 67.

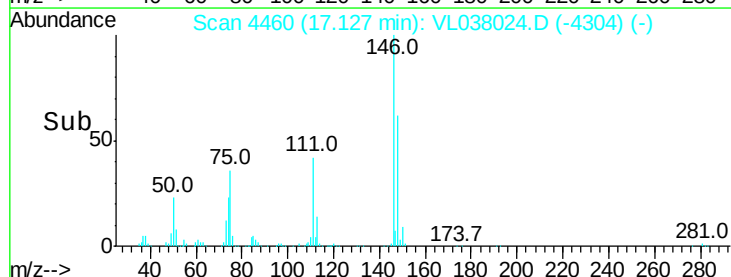
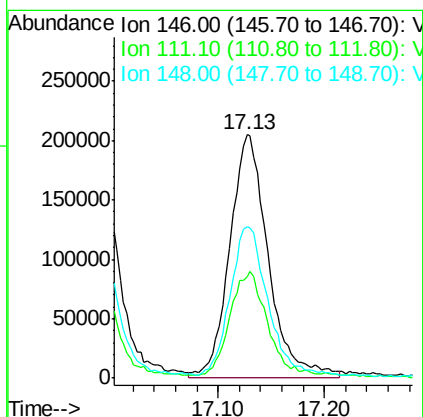
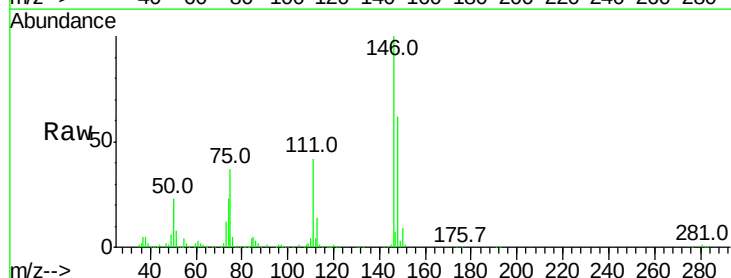
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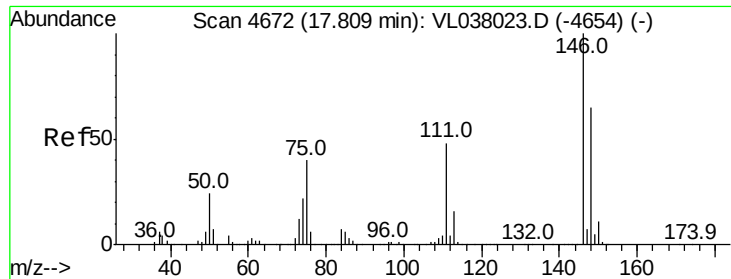
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#76
 1,4-Dichlorobenzene
 Concen: 2.370 ppbv m
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion:146 Resp: 516046
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.5 67.5
 148 62.1 32.6 98.0





#77

1,2-Dichlorobenzene

Concen: 2.246 ppbv

RT: 17.81

Delta R.T. MSVOA_1

Lab File: ClientSampled :

VSTDIC002

Acq: 16 Nov 2021 2:28

Tot Ion:1

Ion Rati

146 100

111 50.

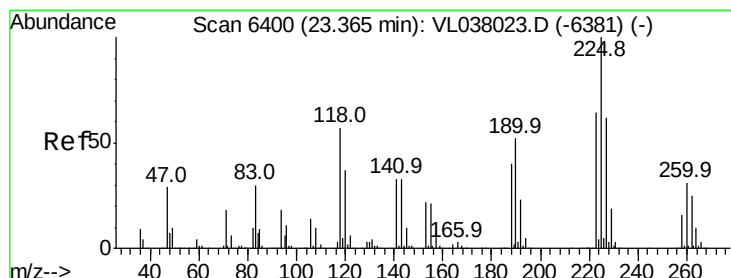
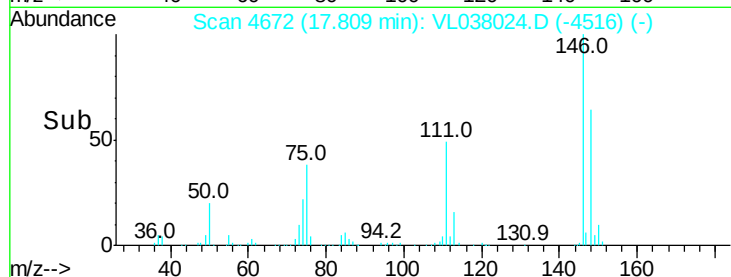
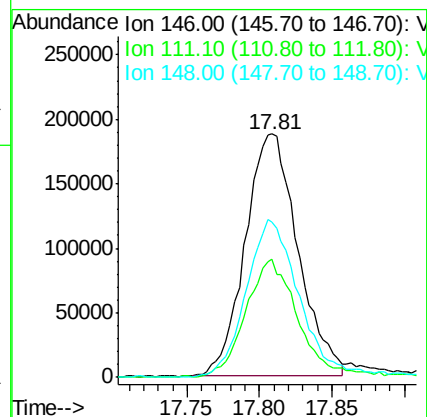
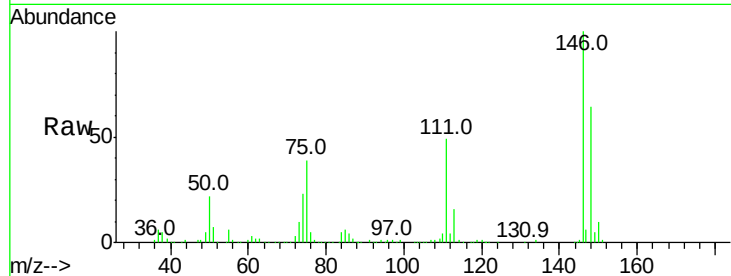
148 66.

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#78

Hexachloro-1,3-Butadiene

Concen: 1.859 ppbv

RT: 23.36 min Scan# 6400

Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

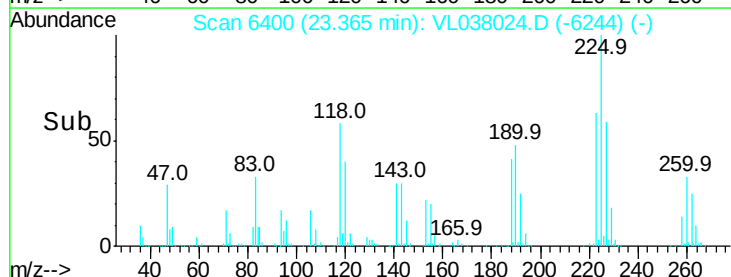
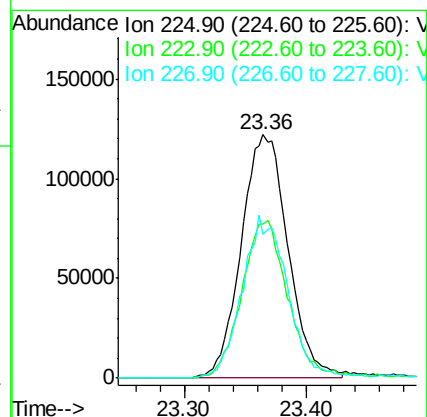
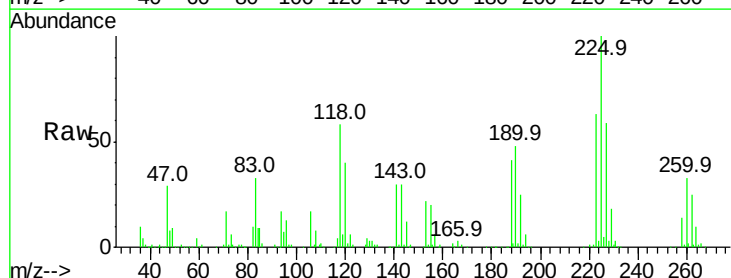
Tgt Ion:225 Resp: 323429

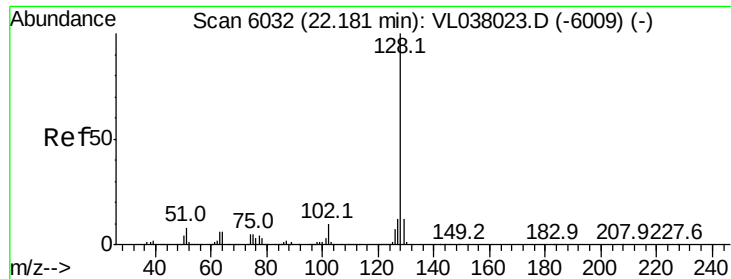
Ion Ratio Lower Upper

225 100

223 65.4 51.0 76.4

227 64.5 51.4 77.2





#79

Naphthalene

Concen: 2.662 ppbv m

RT: 22.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 2:28

Tot Ion:1

Ion Ratio

128 100

127 11.

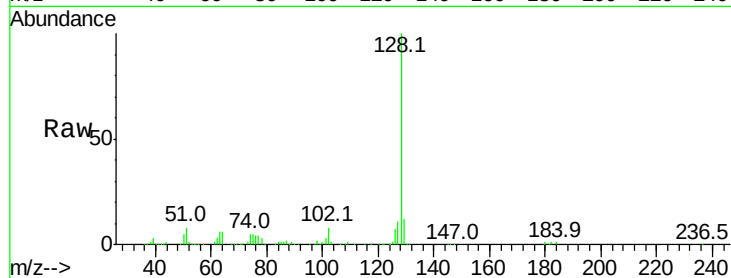
129 12.

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Reviewed By :Semsettin Yesilyurt 11/17/2021

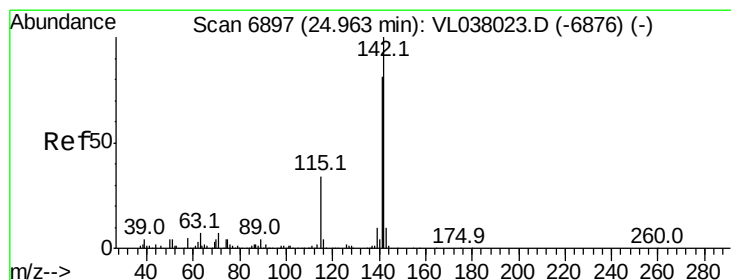
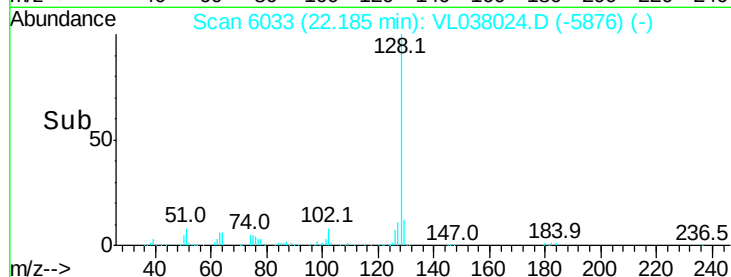
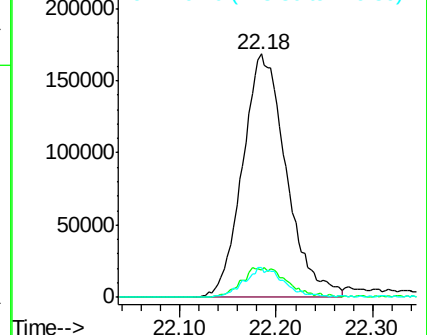
Supervised By :Mahesh Dadoda 11/17/2021



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene,2-methyl-

Concen: 3.314 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.01 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

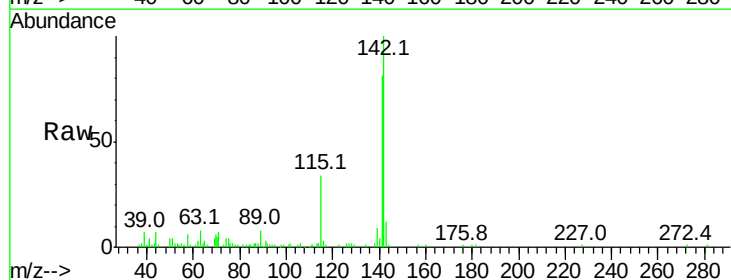
Tgt Ion:142 Resp: 113748

Ion Ratio Lower Upper

142 100

141 91.5 73.4 110.0

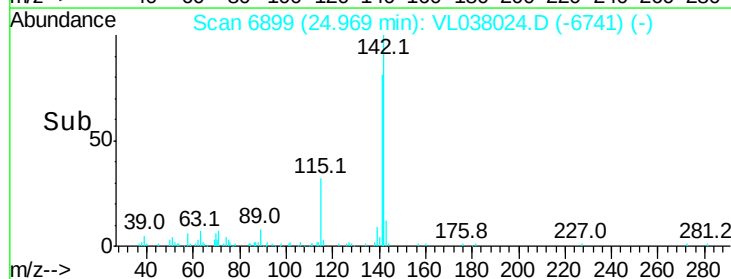
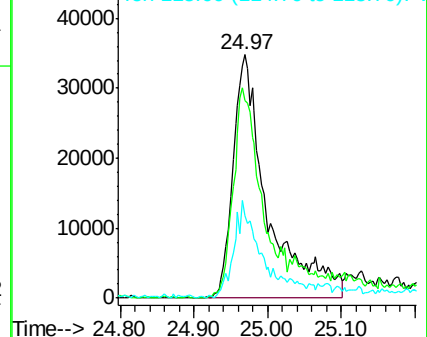
115 33.0 28.1 42.1

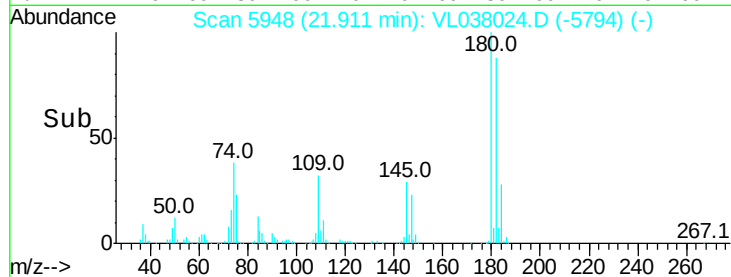
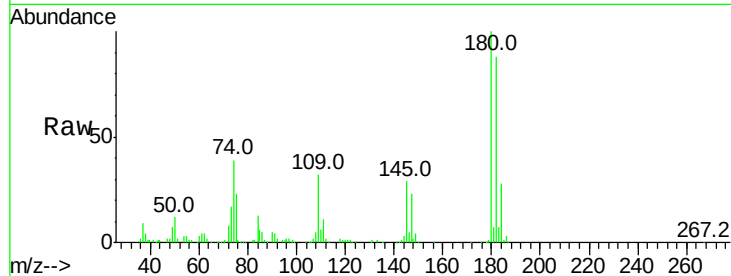
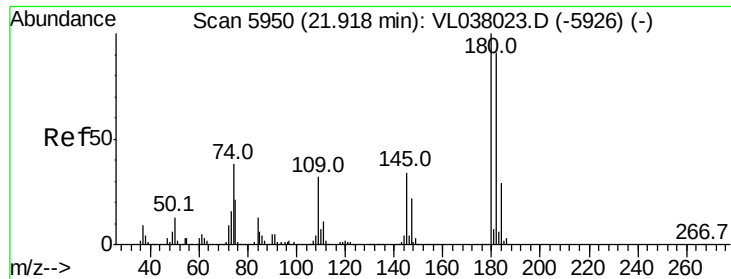


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 2.211 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC002
 Acq: 16 Nov 2021 2.28

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

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

