

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021622\
 Data File : VL038363.D
 Acq On : 16 Feb 2022 11:04
 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: Feb 17 06:03:42 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 02/17/2022
 Supervised By :Mahesh Dadoda 02/21/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.62	49	718935	10.00	ppbv	-0.05
33) 1,4-Difluorobenzene	7.12	114	2243965	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.02	117	2179527m	10.00	ppbv	-0.06

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.35	95	1730524	10.46	ppbv	-0.06
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1340323	8.76	ppbv	99
3) Chlorodifluoromethane	2.96	51	1540622	10.76	ppbv	99
4) Chloromethane	3.11	50	532986	10.82	ppbv	99
5) Vinyl Chloride	3.23	62	547281	11.14	ppbv	99
6) Bromomethane	3.44	94	298603	11.24	ppbv	98
7) Chloroethane	3.53	64	186245	11.22	ppbv	95
8) Dichlorotetrafluoroethane	3.16	85	1300741	10.98	ppbv	99
9) Propene	2.98	41	529556	11.37	ppbv	99
10) Heptane	8.07	43	1301981	10.86	ppbv	100
11) Trichlorofluoromethane	3.92	101	1331120	11.16	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	985945	10.94	ppbv	98
13) Ethanol	3.58	45	48098m	9.62	ppbv	
14) Bromoethene	3.71	108	398446	11.31	ppbv	98
15) Acetone	3.81	43	624651	9.86	ppbv	99
16) 1,3-Butadiene	3.30	39	503804	11.08	ppbv	99
17) tert-Butyl alcohol	4.25	59	865776	12.45	ppbv	97
18) 1,1-Dichloroethene	4.25	96	441537	11.27	ppbv	97
19) Isopropyl Alcohol	3.93	45	470495	11.87	ppbv #	98
20) Methylene Chloride	4.31	84	344591	9.35	ppbv	97
21) Allyl Chloride	4.37	41	646992	11.54	ppbv	96
22) trans-1,2-Dichloroethene	4.84	96	464110	11.46	ppbv	98
23) Vinyl Acetate	5.03	43	931184	10.11	ppbv	100
24) 1,1-Dichloroethane	4.97	63	916198	11.16	ppbv	100
25) Ethyl Acetate	5.63	43	1761212	9.93	ppbv	99
26) Hexane	5.64	57	838859	10.16	ppbv	95
27) Carbon Disulfide	4.51	76	1106392	11.46	ppbv	99
28) Methyl tert-Butyl Ether	4.99	73	975457	11.39	ppbv	100
29) Chloroform	5.70	83	1448114	10.75	ppbv	98
30) Cyclohexane	7.08	84	801890	11.16	ppbv	99
31) cis-1,2-Dichloroethene	5.50	61	689084	9.57	ppbv	97
32) 1,1,1-Trichloroethane	6.46	97	1517032	11.27	ppbv	99
34) 2-Butanone	5.20	43	689599	9.40	ppbv	99
35) Carbon Tetrachloride	6.97	117	1555786	9.88	ppbv	98
36) Benzene	6.84	78	1983548	9.99	ppbv	99
37) 1,2-Dichloroethane	6.26	62	1128956	9.93	ppbv	98
38) Trichloroethene	7.78	130	699977	9.47	ppbv	97
39) 1,2-Dichloropropane	7.56	63	784302	9.75	ppbv	100
40) 1,4-Dioxane	7.78	88	183956	9.50	ppbv	88
41) Tetrahydrofuran	6.00	42	500830	10.15	ppbv	99
42) Bromodichloromethane	7.74	83	1694247	10.04	ppbv	99
43) Methyl Methacrylate	7.96	69	741246	10.56	ppbv	99

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Manual Integrations
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Reviewed By : Semsettin Yesilyurt 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 06:03:42 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

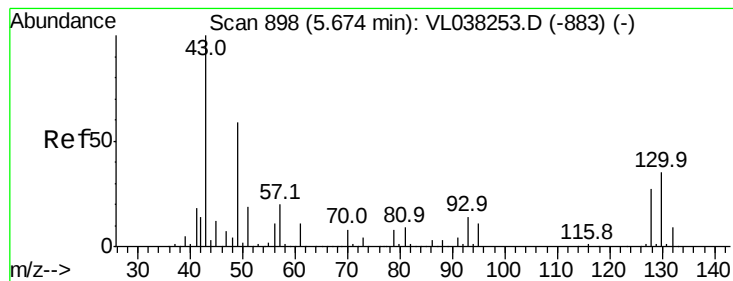
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.82	57	3325642	9.51	ppbv	100
45) t-1,3-Dichloropropene	9.22	75	579069	10.15	ppbv	100
46) cis-1,3-Dichloropropene	8.65	75	746111	9.80	ppbv	98
47) 1,1,2-Trichloroethane	9.42	97	763193	9.65	ppbv	98
48) Dibromochloromethane	10.25	129	1282797	9.64	ppbv	99
49) Bromoform	12.98	173	873192	9.10	ppbv	100
50) 4-Methyl-2-Pentanone	8.69	43	1275108	9.74	ppbv	99
51) 2-Hexanone	10.08	43	551173	9.56	ppbv #	97
52) Tetrachloroethene	11.16	164	609156	8.90	ppbv	97
53) Toluene	9.75	91	2170360	9.88	ppbv	99
54) 1,2-Dibromoethane	10.55	107	1090146	9.70	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.07	131	815526	8.55	ppbv	98
57) Chlorobenzene	12.09	112	1468629	8.42	ppbv	99
58) Ethyl Benzene	12.65	91	2786730	8.70	ppbv	98
59) m/p-Xylene	12.94	91	4537260m	16.60	ppbv	
60) o-Xylene	13.64	91	2112021	8.31	ppbv	100
61) Styrene	13.47	104	1078324	9.09	ppbv	99
62) Isopropylbenzene	14.61	105	2776563	8.19	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.62	83	1397809	7.43	ppbv	99
64) n-propylbenzene	15.50	120	678895	8.33	ppbv	96
65) tert-Butylbenzene	16.68	119	2259761	8.10	ppbv	99
66) Benzyl Chloride	16.92	91	76152	6.01	ppbv	99
67) sec-Butylbenzene	17.23	105	3147161	8.11	ppbv	100
69) p-Isopropyltoluene	17.59	119	2530036	8.52	ppbv	99
70) n-Butylbenzene	18.49	91	2640869	9.08	ppbv	100
71) 2-Chlorotoluene	15.39	91	2024835	8.07	ppbv	100
72) 4-Ethyltoluene	15.78	105	2253237	8.48	ppbv	100
73) 1,3,5-Trimethylbenzene	15.94	105	1982783	8.30	ppbv	99
74) 1,2,4-Trimethylbenzene	16.70	105	2053236	8.15	ppbv	95
75) 1,3-Dichlorobenzene	16.94	146	1098225	8.13	ppbv	99
76) 1,4-Dichlorobenzene	17.08	146	1047290	8.00	ppbv	97
77) 1,2-Dichlorobenzene	17.76	146	1038672	8.28	ppbv	99
78) Hexachloro-1,3-Butadiene	23.31	225	857863m	9.83	ppbv	
79) Naphthalene	22.12	128	1619223	13.75	ppbv	98
80) Naphthalene,2-methyl-	24.92	142	302733	23.64	ppbv	97
81) 1,2,4-Trichlorobenzene	21.85	180	872464	12.60	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.62 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Feb 2022 11:04 VSTDCCC010

Tgt Ion:

Ion Ratio

49 100

128 52.

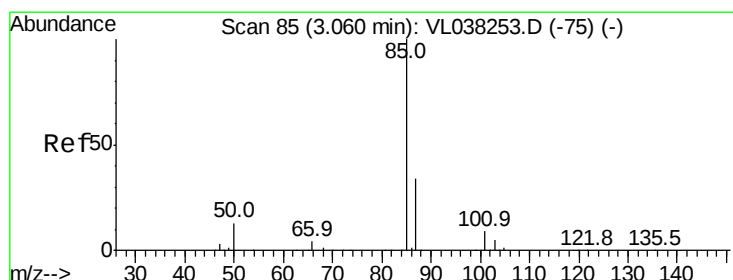
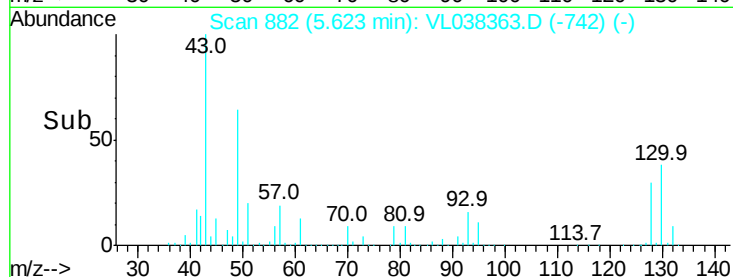
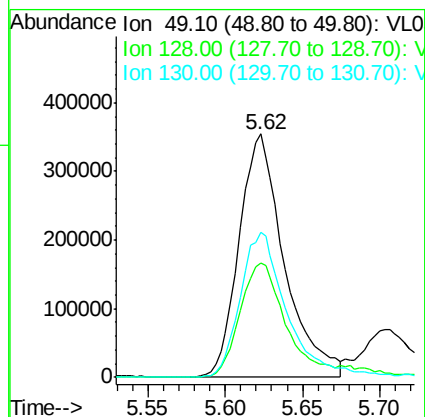
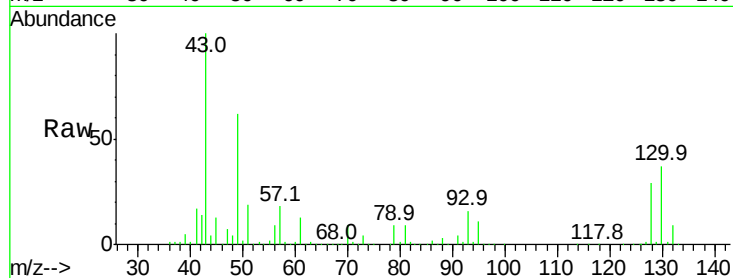
130 63.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#2

Dichlorodifluoromethane

Concen: 8.76 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.04 min

Lab File: VL038363.D

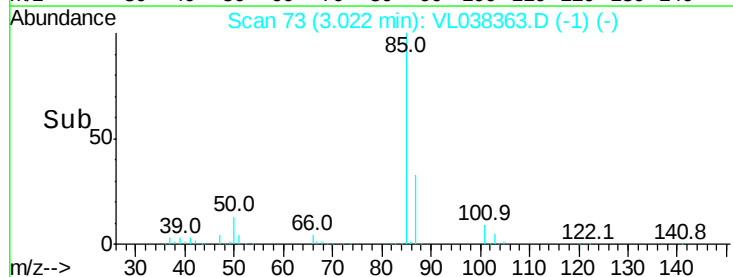
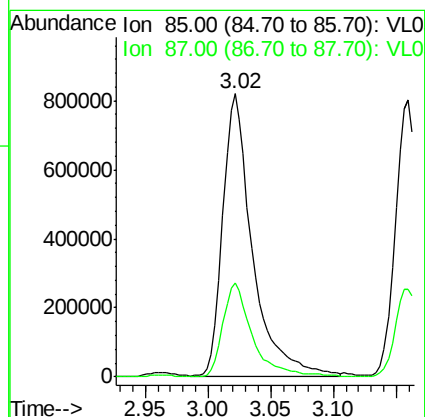
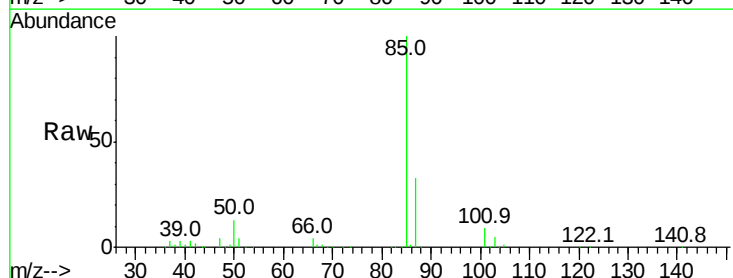
Acq: 16 Feb 2022 11:04

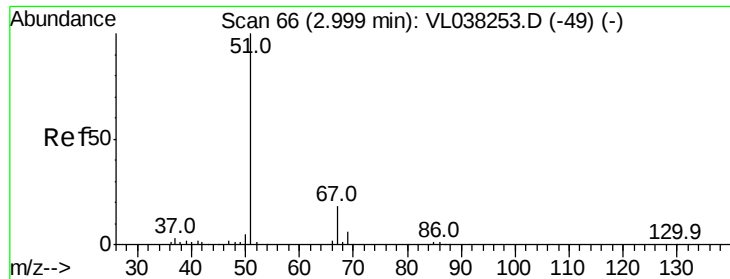
Tgt Ion: 85 Resp: 1340323

Ion Ratio Lower Upper

85 100

87 33.0 27.0 40.6





#3

Chlorodifluoromethane

Concen: 10.76 ppbv

RT: 2.96 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 16 Feb 2022 11:04

Tgt Ion:

Ion Ratio

51 100

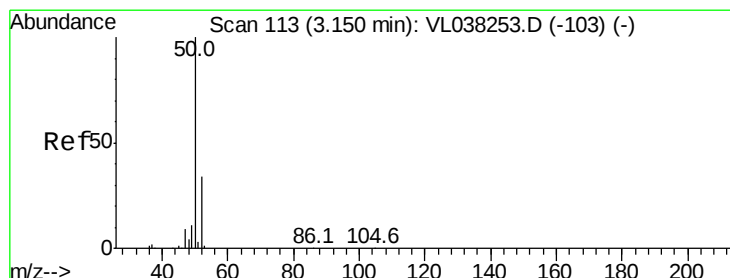
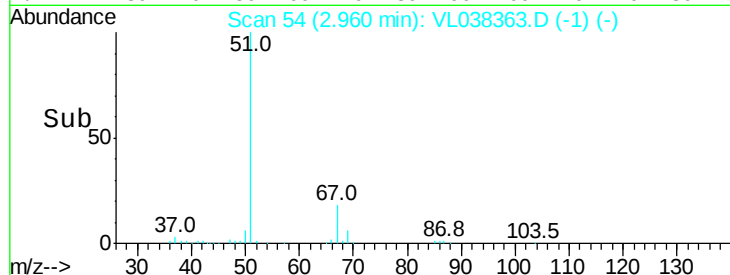
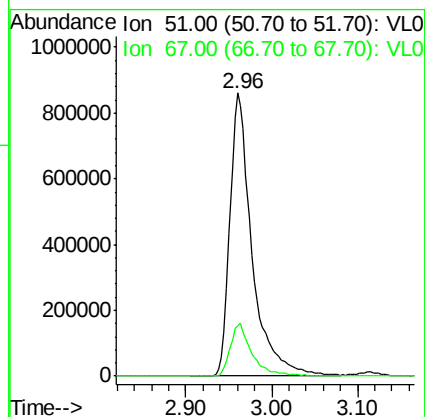
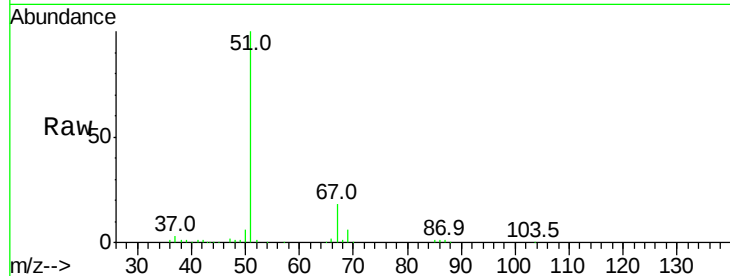
67 18.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#4

Chloromethane

Concen: 10.82 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.04 min

Lab File: VL038363.D

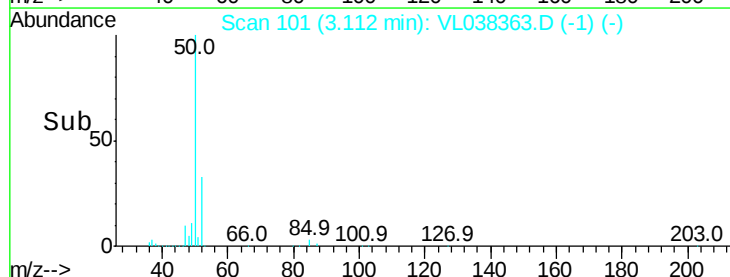
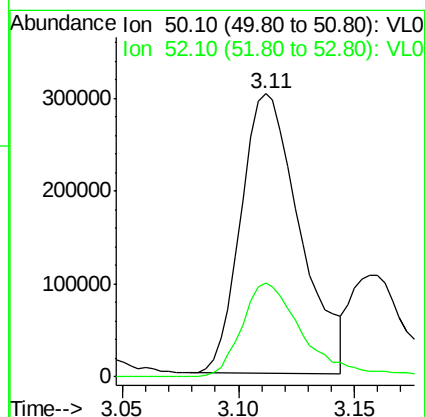
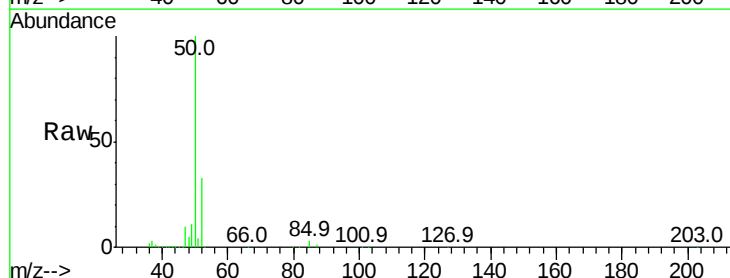
Acq: 16 Feb 2022 11:04

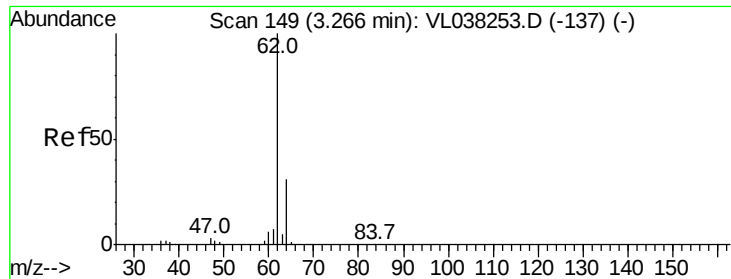
Tgt Ion: 50 Resp: 532986

Ion Ratio Lower Upper

50 100

52 33.5 27.1 40.7





#5

Vinyl Chloride

Concen: 11.14 ppbv

RT: 3.23 Instrument: MSVOA_1

Delta R.T. -0.04

Lab File: ClientSampleId: VSTDCCC010

Acq: 16 Feb 2022 11:04

Tgt Ion: 62

Ion Ratio: 100

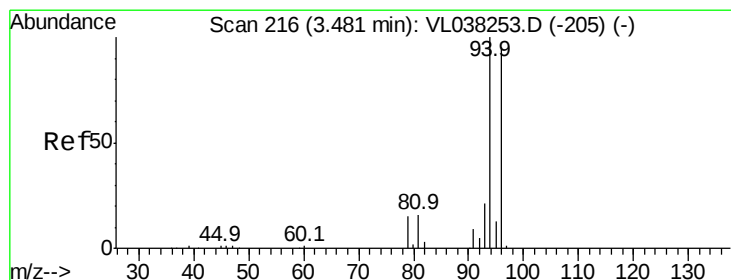
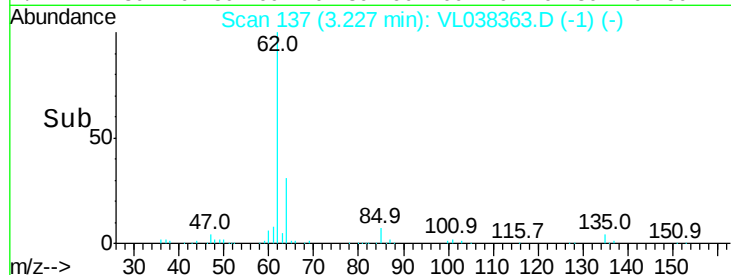
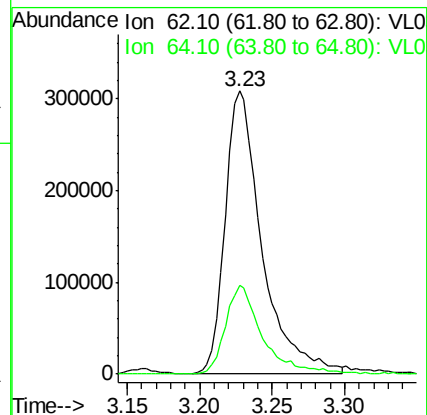
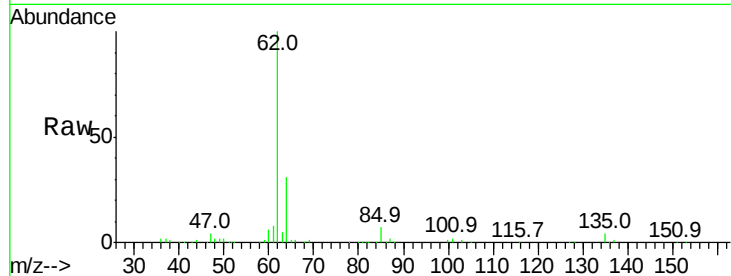
64 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#6

Bromomethane

Concen: 11.24 ppbv

RT: 3.44 min Scan# 204

Delta R.T. -0.04 min

Lab File: VL038363.D

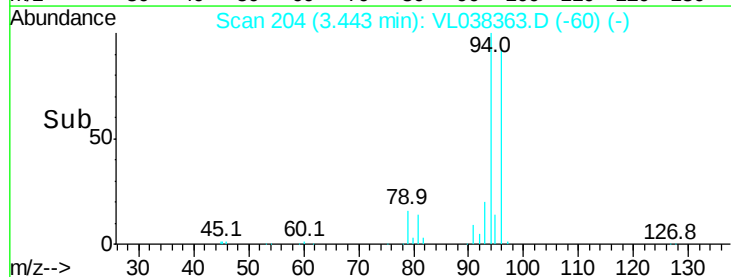
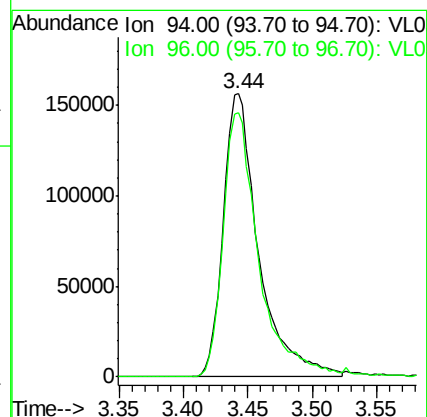
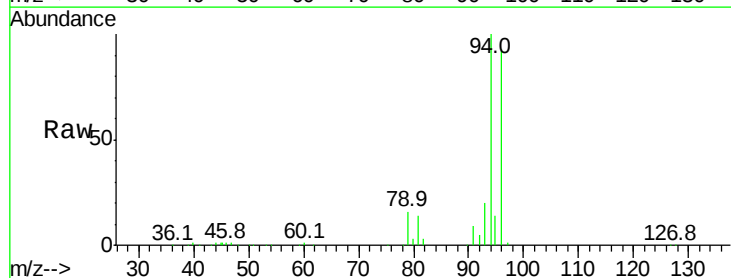
Acq: 16 Feb 2022 11:04

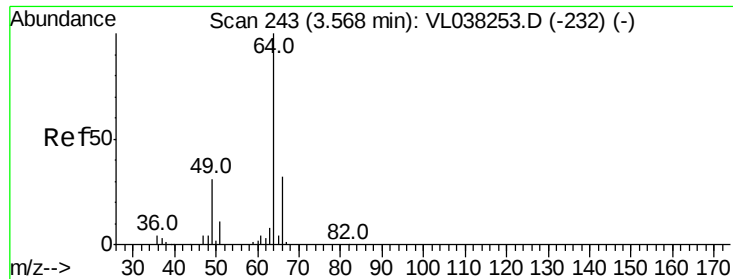
Tgt Ion: 94 Resp: 298603

Ion Ratio Lower Upper

94 100

96 93.2 76.0 114.0





#7

Chloroethane

Concen: 11.22 ppbv

RT: 3.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Feb 2022 11:04 VSTDCCC010

Tgt Ion:

Ion Ratio

64 100

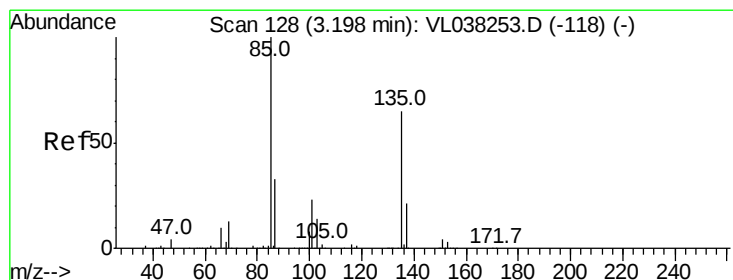
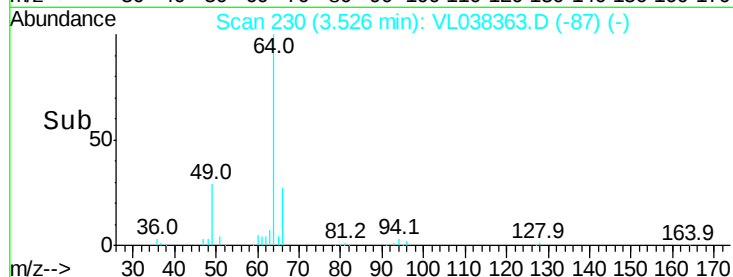
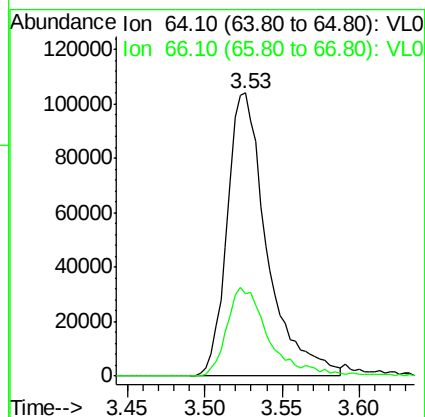
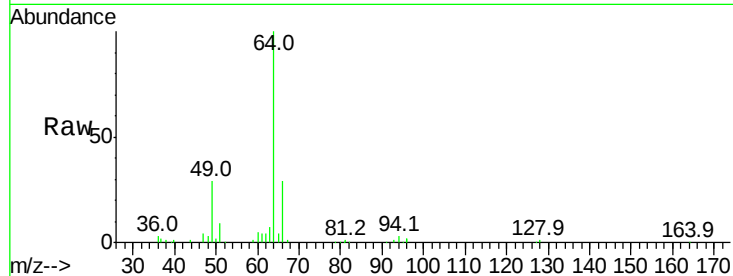
66 29.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#8

Dichlorotetrafluoroethane

Concen: 10.98 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.04 min

Lab File: VL038363.D

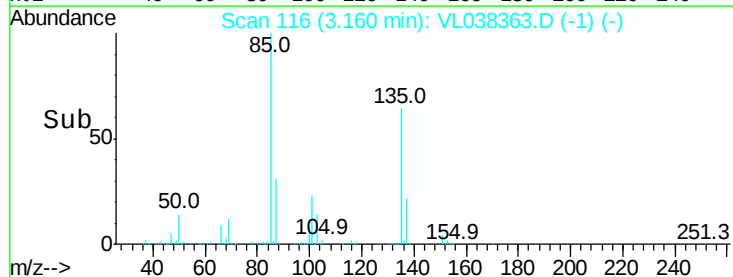
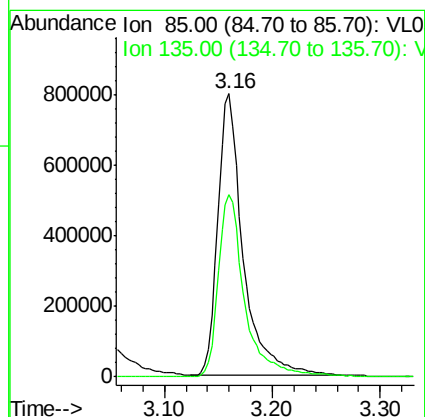
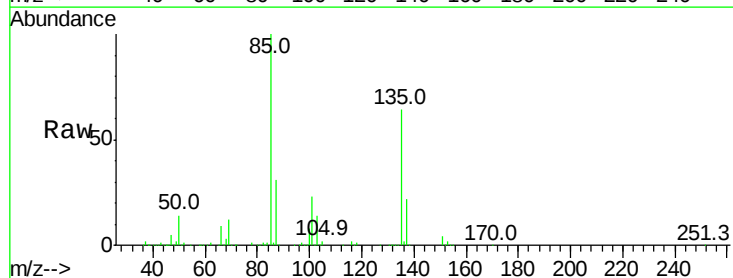
Acq: 16 Feb 2022 11:04

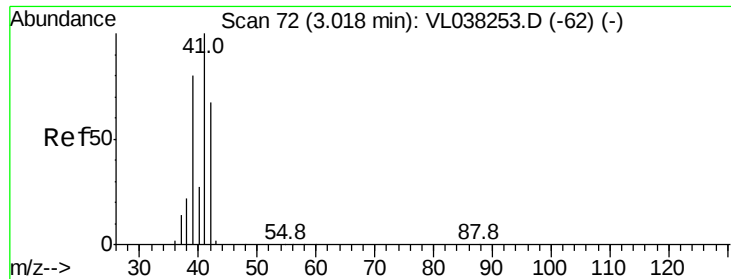
Tgt Ion: 85 Resp: 1300741

Ion Ratio Lower Upper

85 100

135 68.3 53.7 80.5





#9

Propene

Concen: 11.37 ppbv

RT: 2.98 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04 VSTDCCC010

Tgt Ion:

Ion Ratio

41 100

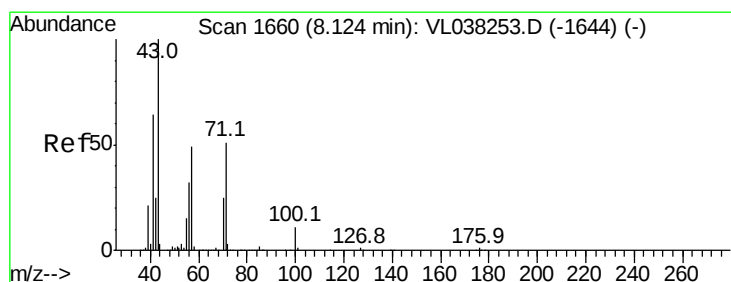
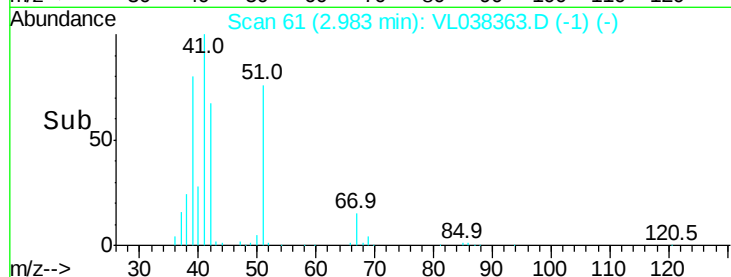
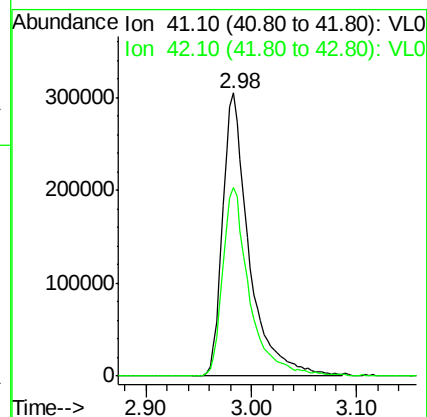
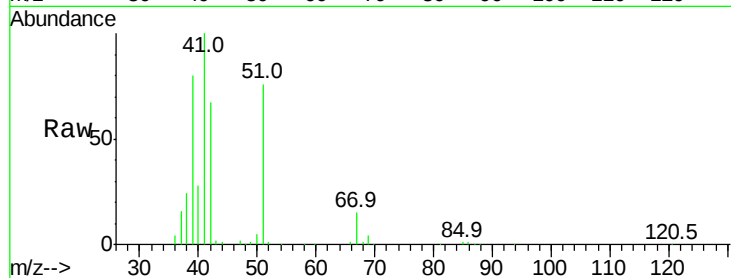
42 68.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#10

Heptane

Concen: 10.86 ppbv

RT: 8.07 min Scan# 1644

Delta R.T. -0.05 min

Lab File: VL038363.D

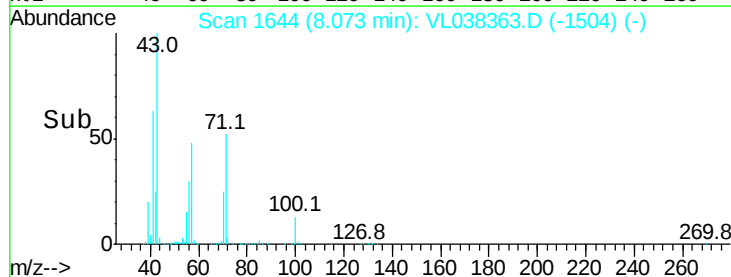
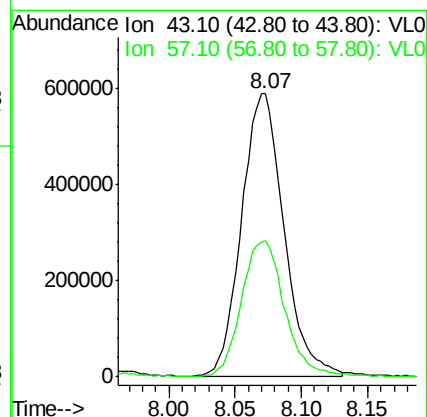
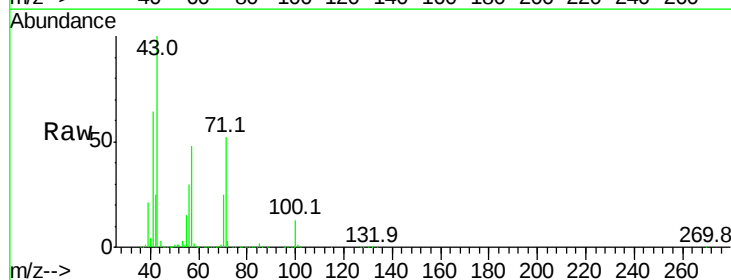
Acq: 16 Feb 2022 11:04

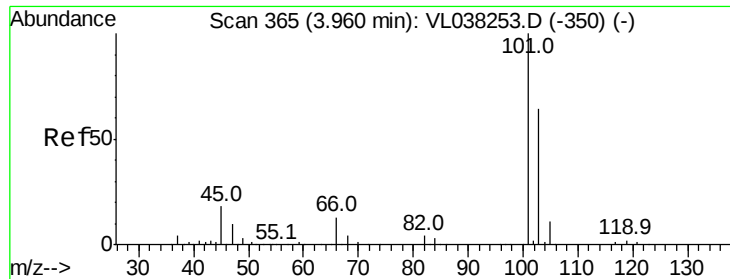
Tgt Ion: 43 Resp: 1301981

Ion Ratio Lower Upper

43 100

57 49.1 39.5 59.3



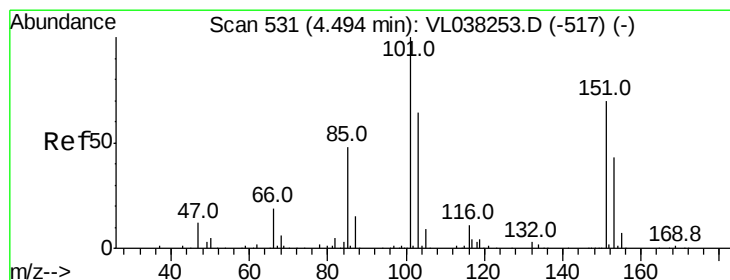
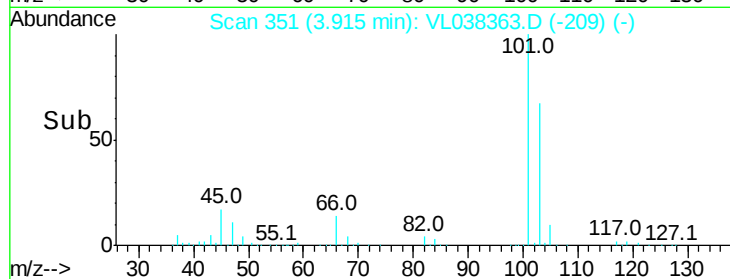
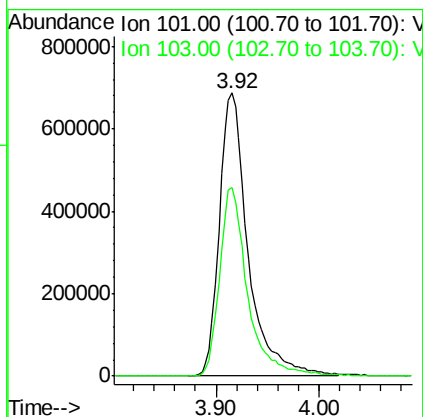
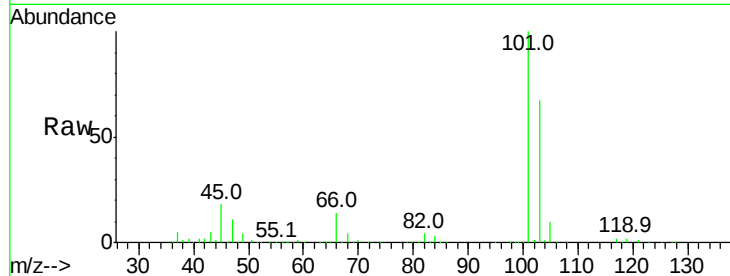


#11
 Trichlorofluoromethane
 Concen: 11.16 ppbv
 RT: 3.92
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 16 Feb 2022 11:04

Tgt Ion:1
 Ion Ratio
 101 100
 103 66.

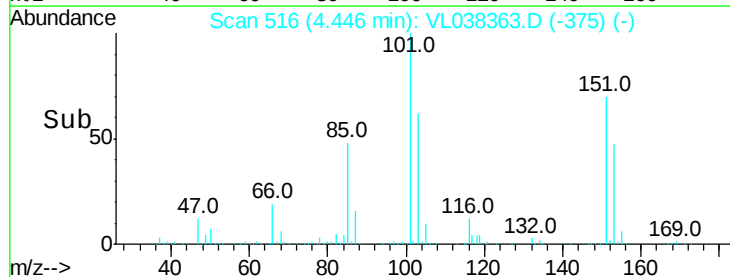
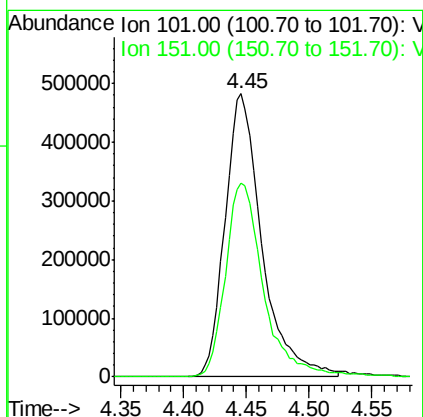
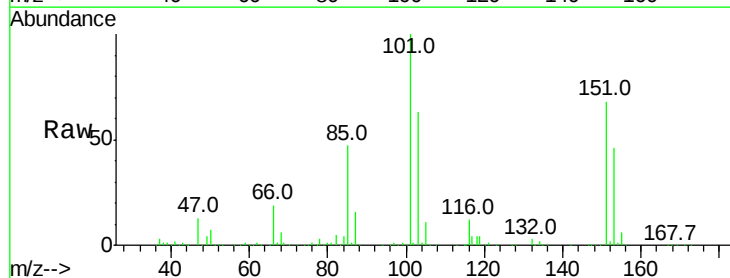
Manual Integrations
 APPROVED

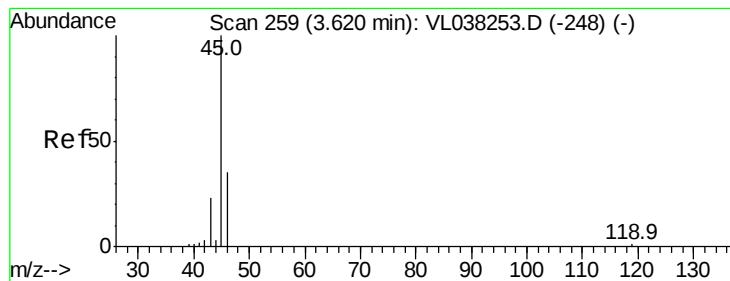
Reviewed By :Semsettin Yesilyurt 02/17/2022
 Supervised By :Mahesh Dadoda 02/21/2022



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.94 ppbv
 RT: 4.45 min Scan# 516
 Delta R.T. -0.05 min
 Lab File: VL038363.D
 Acq: 16 Feb 2022 11:04

Tgt Ion:101 Resp: 985945
 Ion Ratio Lower Upper
 101 100
 151 71.1 55.3 82.9





#13

Ethanol

Concen: 9.62 ppbv m

RT: 3.58 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Feb 2022 11:04 VSTDCCC010

Tgt Ion:

Ion Ratio

45 100

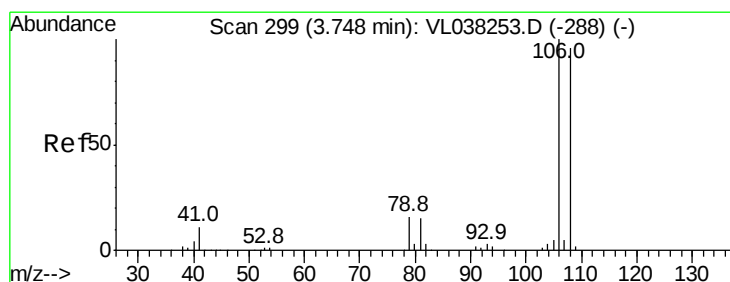
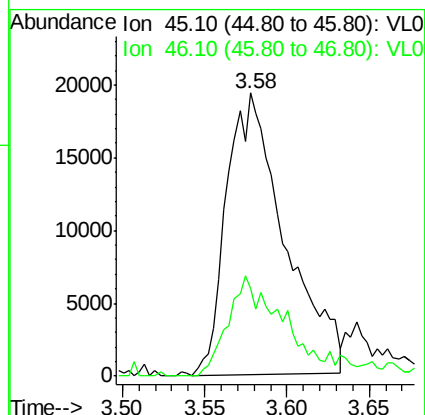
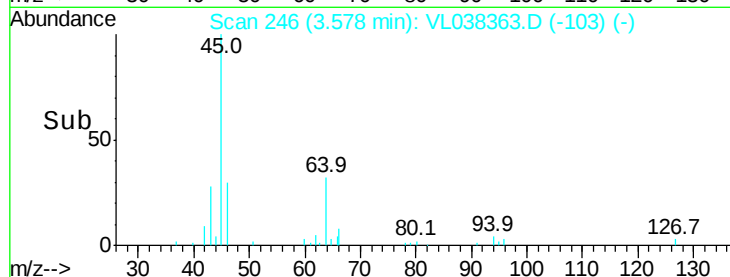
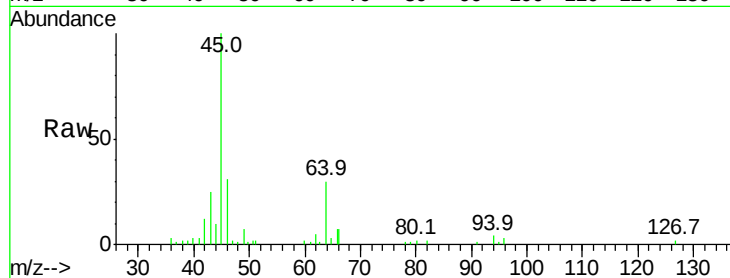
46 37.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#14

Bromoethene

Concen: 11.31 ppbv

RT: 3.71 min Scan# 286

Delta R.T. -0.04 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

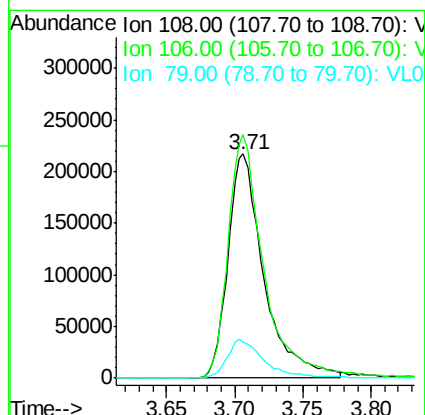
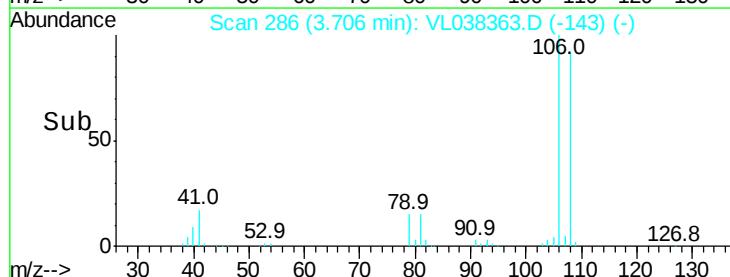
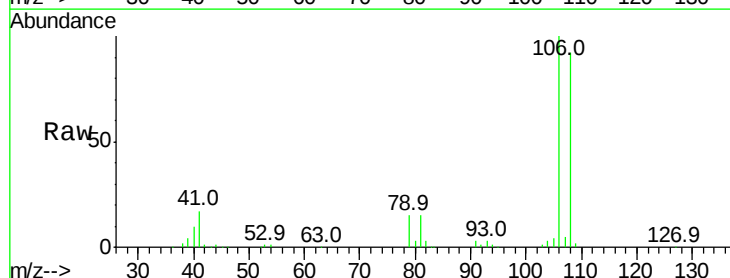
Tgt Ion:108 Resp: 398446

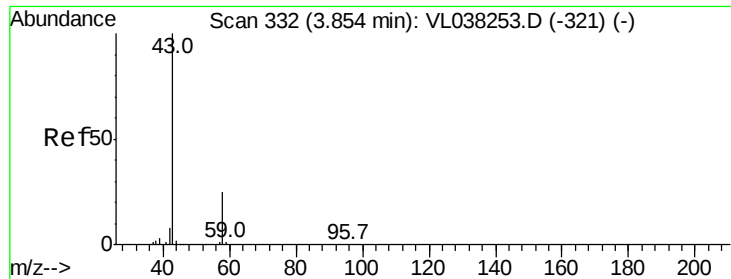
Ion Ratio Lower Upper

108 100

106 109.7 86.4 129.6

79 18.3 14.1 21.1





#15

Acetone

Concen: 9.86 ppbv

RT: 3.81 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 16 Feb 2022 11:04

Tgt Ion:

Ion Ratio

43 100

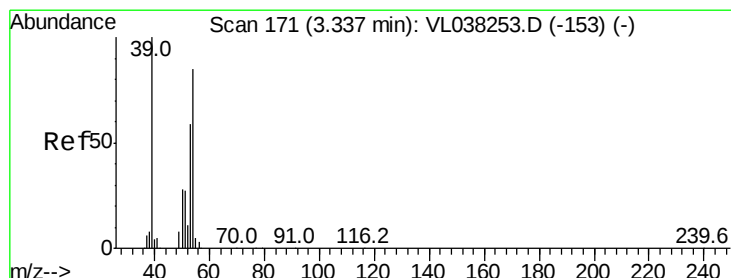
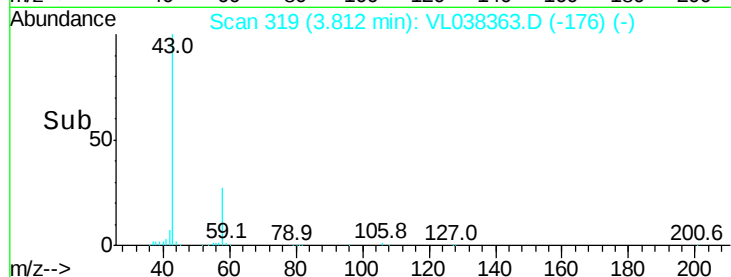
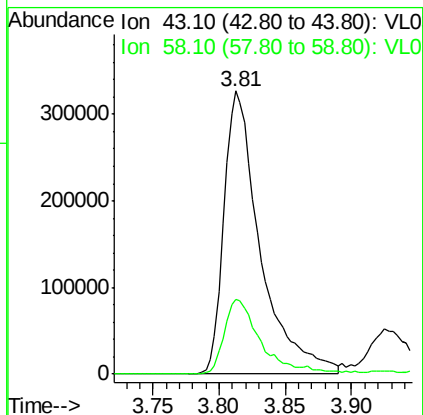
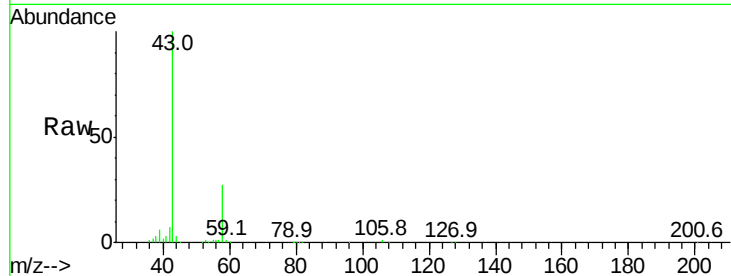
58 27.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#16

1,3-Butadiene

Concen: 11.08 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.04 min

Lab File: VL038363.D

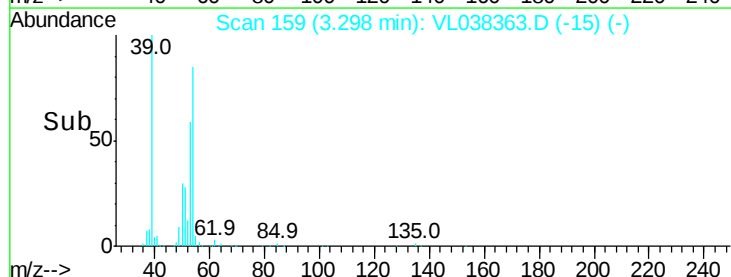
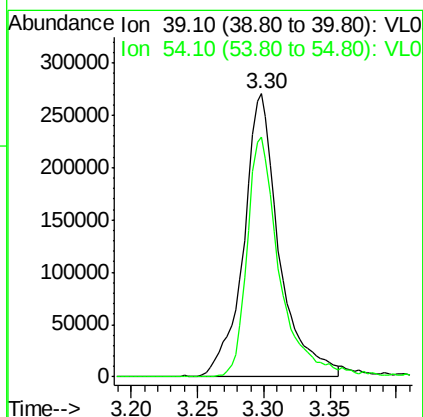
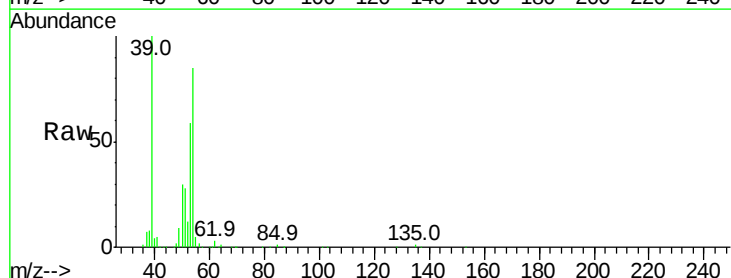
Acq: 16 Feb 2022 11:04

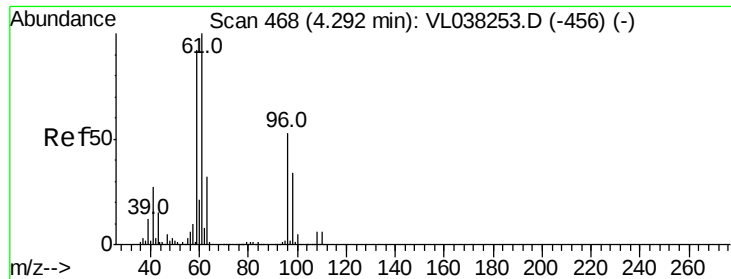
Tgt Ion: 39 Resp: 503804

Ion Ratio Lower Upper

39 100

54 79.3 62.6 94.0





#17

tert-Butyl alcohol

Concen: 12.45 ppbv

RT: 4.25 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Feb 2022 11:04 VSTDCCC010

Tgt Ion:

Ion Ratio

59 100

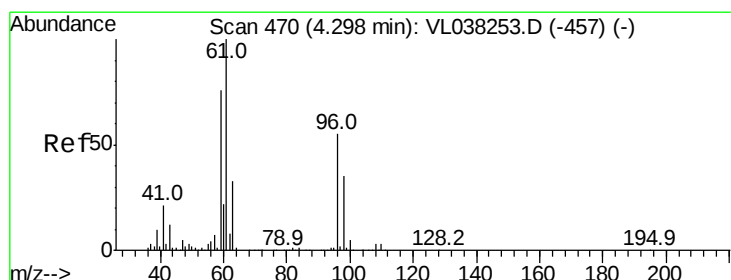
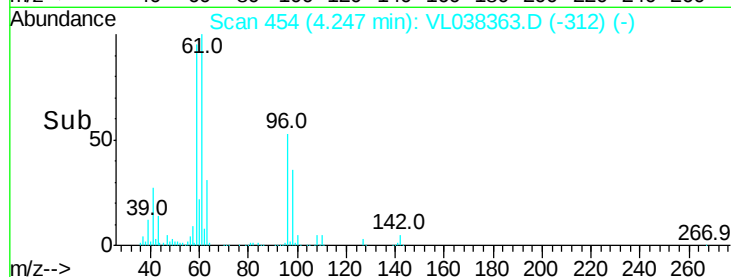
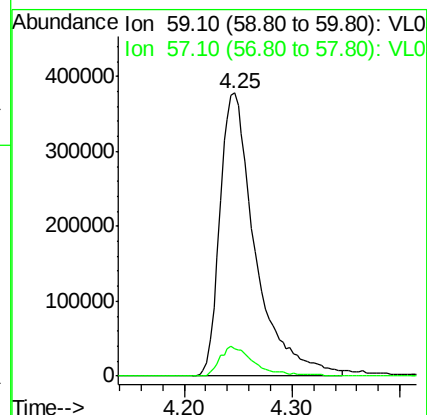
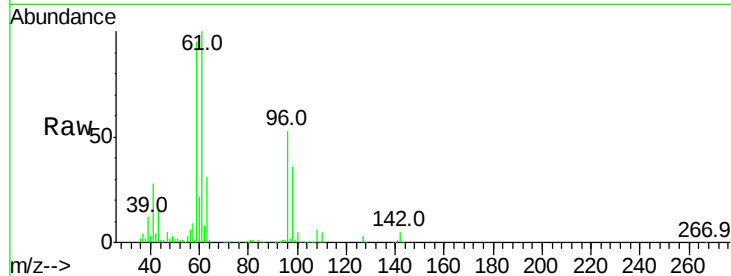
57 10.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#18

1,1-Dichloroethene

Concen: 11.27 ppbv

RT: 4.25 min Scan# 455

Delta R.T. -0.05 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

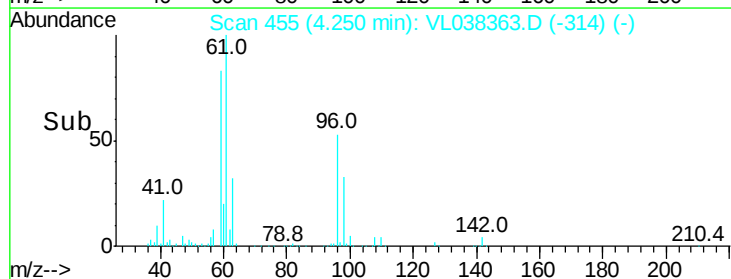
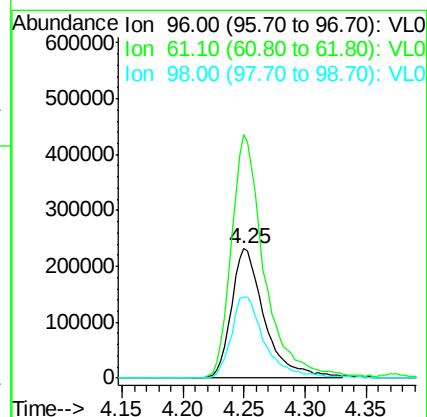
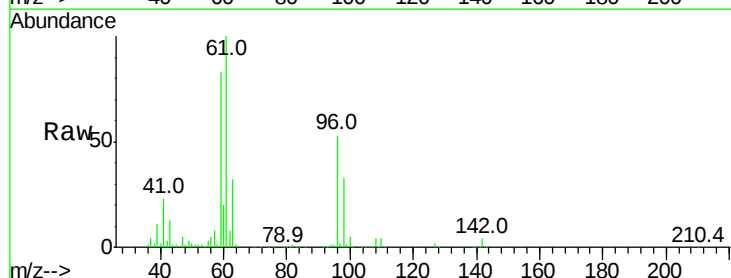
Tgt Ion: 96 Resp: 441537

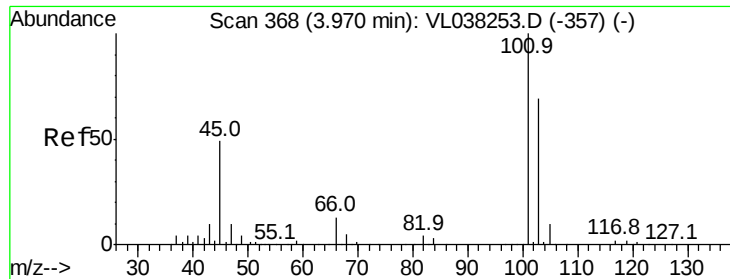
Ion Ratio Lower Upper

96 100

61 188.3 146.5 219.7

98 62.5 51.9 77.9





#19

Isopropyl Alcohol

Concen: 11.87 ppbv

RT: 3.93

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04

Tgt Ion:

Ion Ratio

45 100

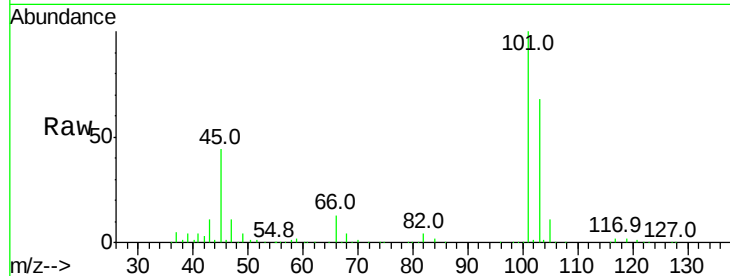
58 2.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

200000

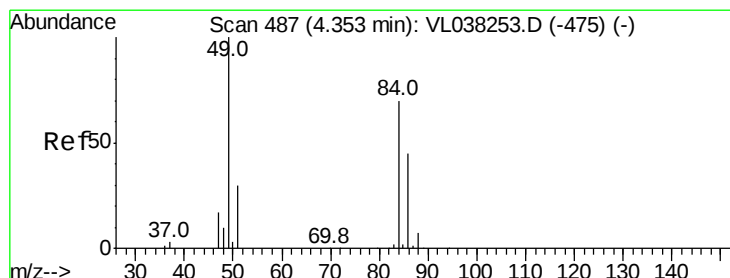
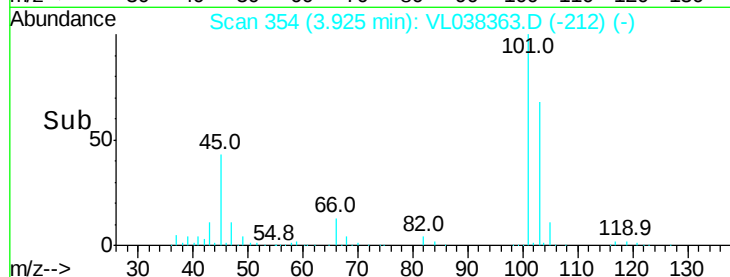
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 9.35 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.04 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

Tgt Ion: 84 Resp: 344591

Ion Ratio Lower Upper

84 100

49 138.4 115.0 172.6

51 43.2 35.0 52.6

86 63.1 51.4 77.0

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

400000

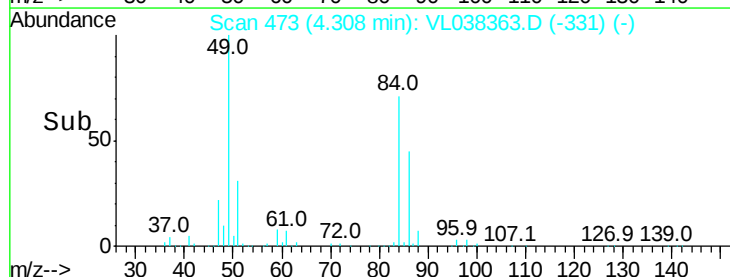
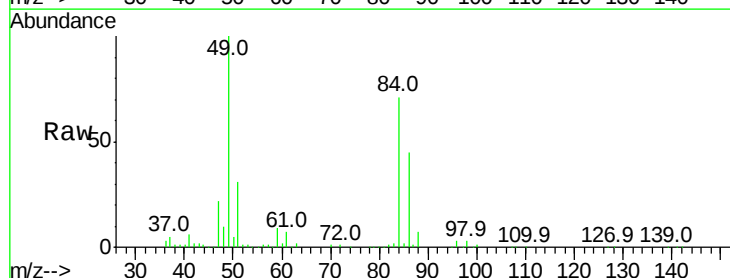
300000

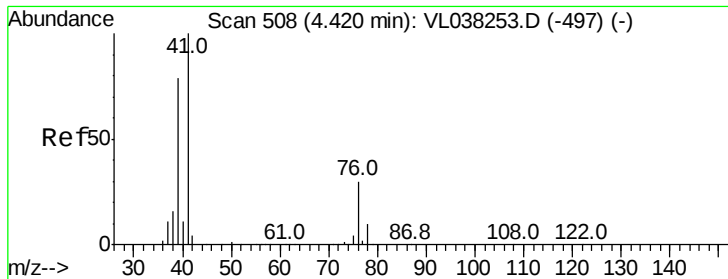
200000

100000

0

Time-->





#21

Allyl Chloride

Concen: 11.54 ppbv

RT: 4.37 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Feb 2022 11:04 VSTDCCC010

Tgt Ion:

Ion Ratio

41 100

76 31.

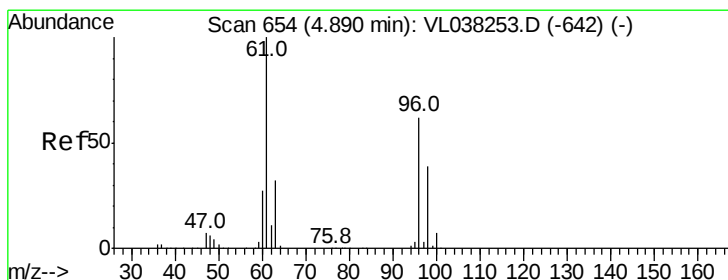
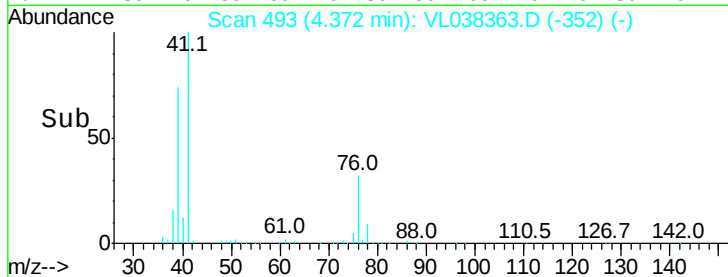
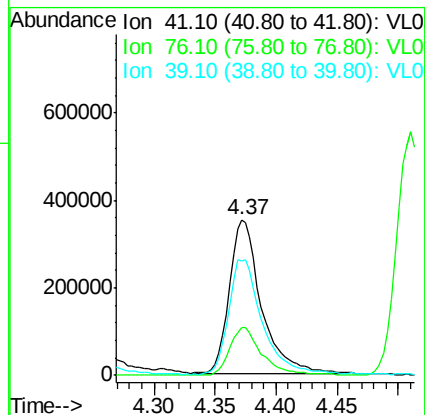
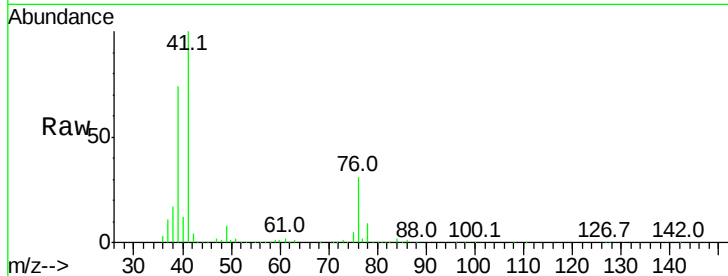
39 82.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#22

trans-1,2-Dichloroethene

Concen: 11.46 ppbv

RT: 4.84 min Scan# 639

Delta R.T. -0.05 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

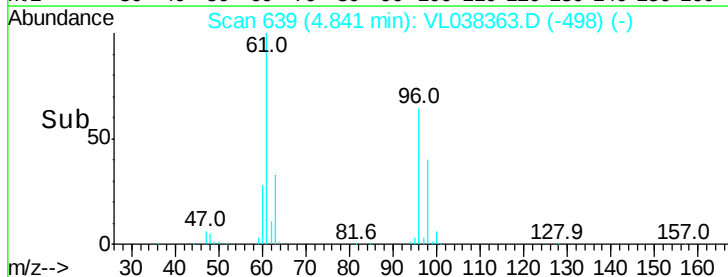
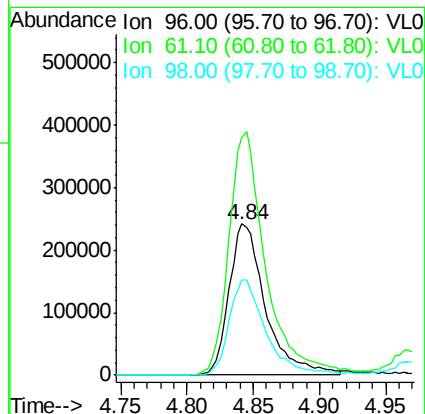
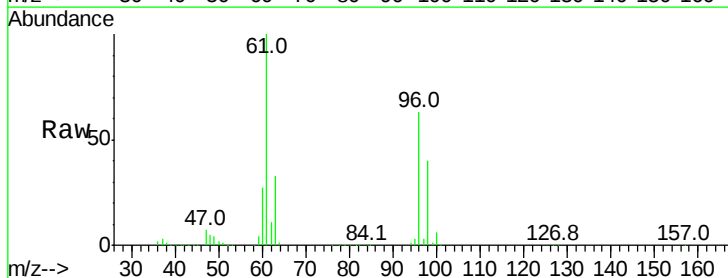
Tgt Ion: 96 Resp: 464110

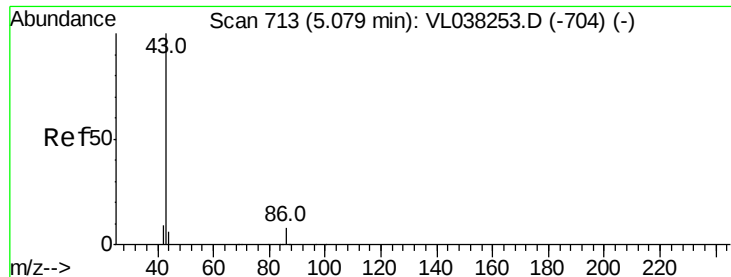
Ion Ratio Lower Upper

96 100

61 157.6 128.8 193.2

98 63.5 49.8 74.8





#23

Vinyl Acetate

Concen: 10.11 ppbv

RT: 5.03 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDCCC010

Acq: 16 Feb 2022 11:04

Tgt Ion:

Ion Ratio

43 100

86 7.

42 9.

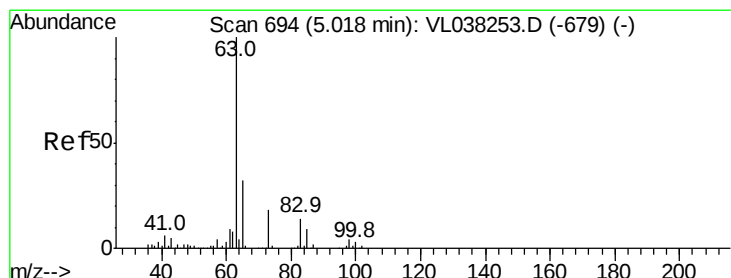
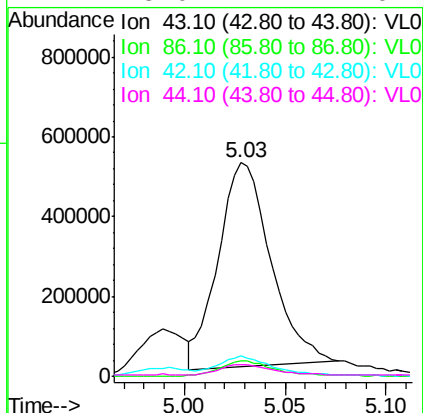
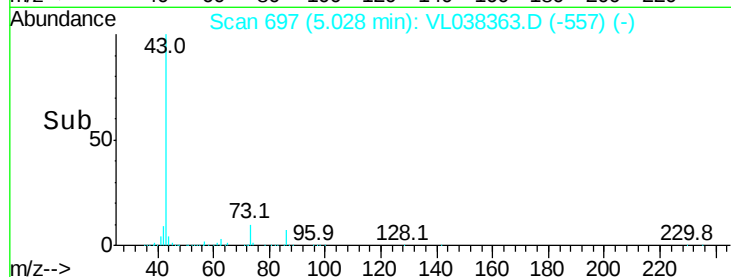
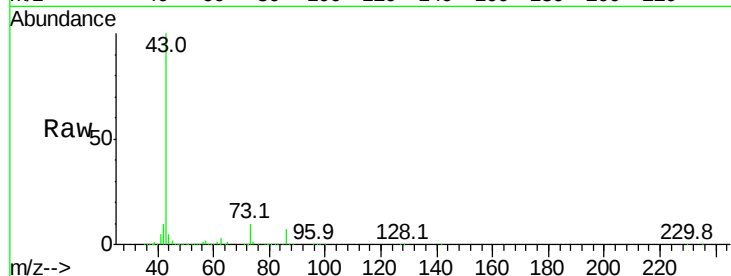
44 5.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#24

1,1-Dichloroethane

Concen: 11.16 ppbv

RT: 4.97 min Scan# 678

Delta R.T. -0.05 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

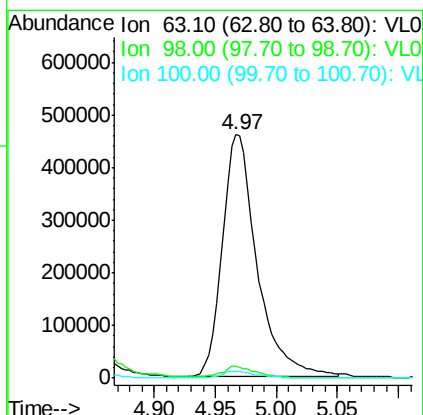
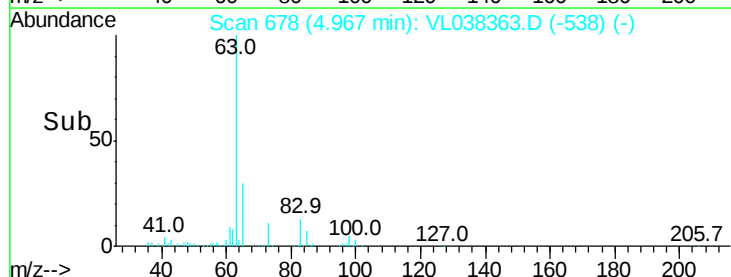
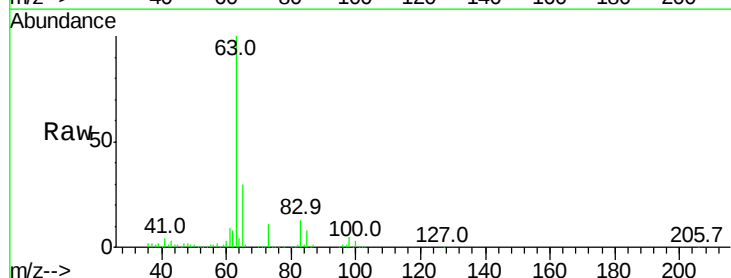
Tgt Ion: 63 Resp: 916198

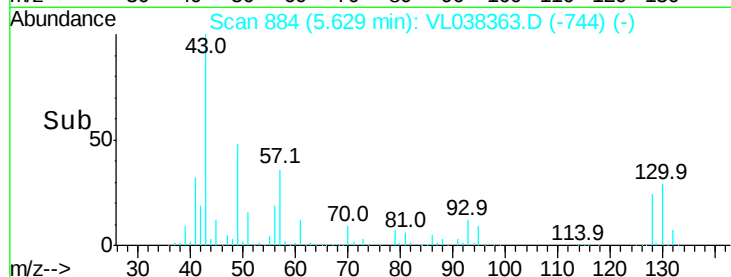
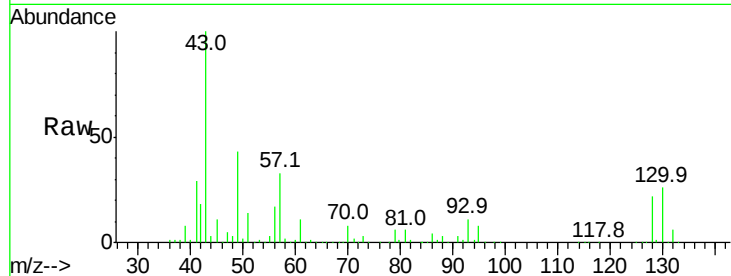
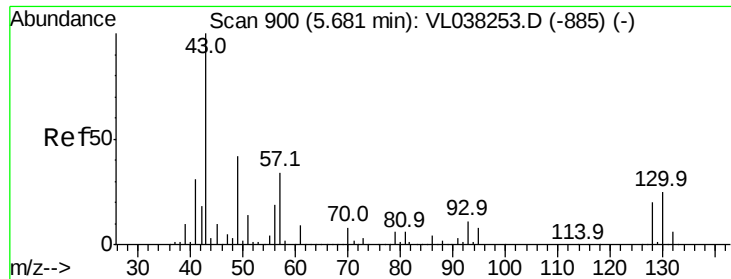
Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

100 3.0 1.3 3.9



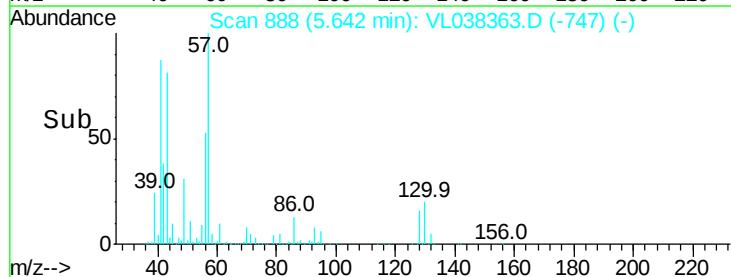
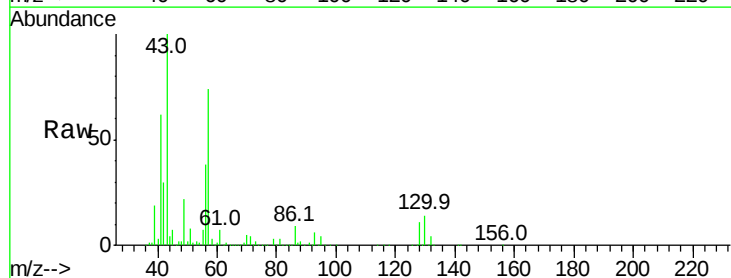
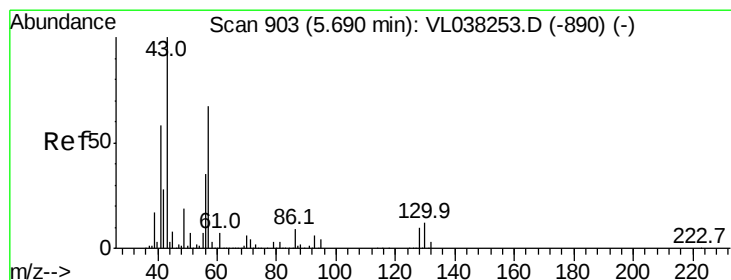
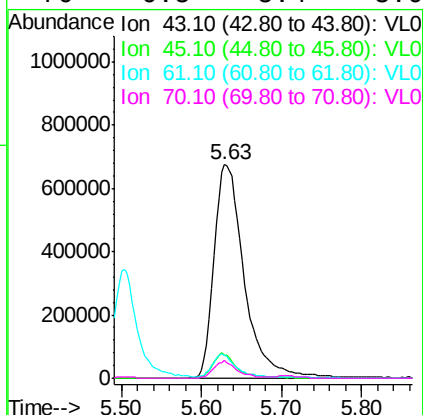


#25
Ethyl Acetate
Concen: 9.93 ppbv
RT: 5.63
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 16 Feb 2022 11:04

Tgt Ion:
Ion Ratio
43 100
45 9.
61 9.
70 6.5 5.4 8.0

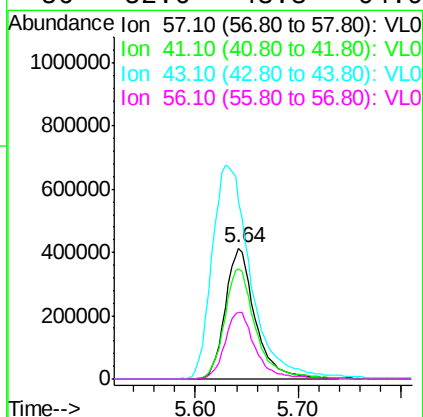
Manual Integrations
APPROVED

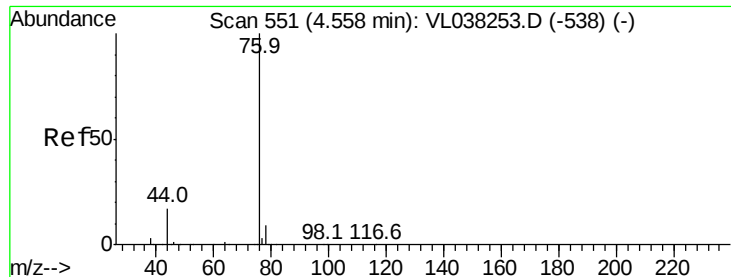
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#26
Hexane
Concen: 10.16 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.05 min
Lab File: VL038363.D
Acq: 16 Feb 2022 11:04

Tgt Ion: 57 Resp: 838859
Ion Ratio Lower Upper
57 100
41 88.4 72.8 109.2
43 211.3 177.0 265.6
56 52.6 43.3 64.9





#27

Carbon Disulfide

Concen: 11.46 ppbv

RT: 4.51 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Feb 2022 11:04 VSTDCCC010

Tgt Ion:

Ion Ratio

76 100

44 17.

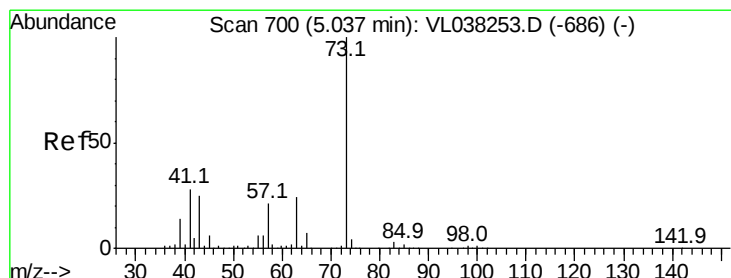
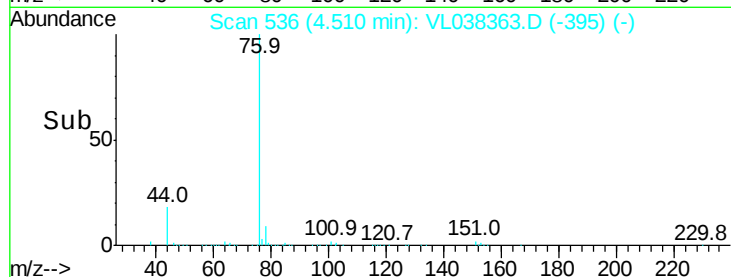
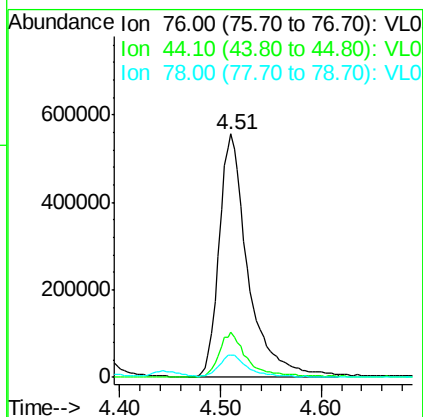
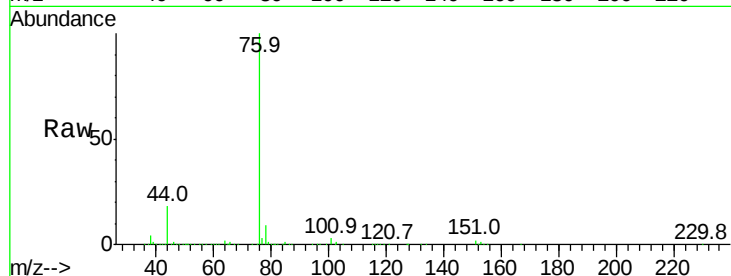
78 9.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#28

Methyl tert-Butyl Ether

Concen: 11.39 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.05 min

Lab File: VL038363.D

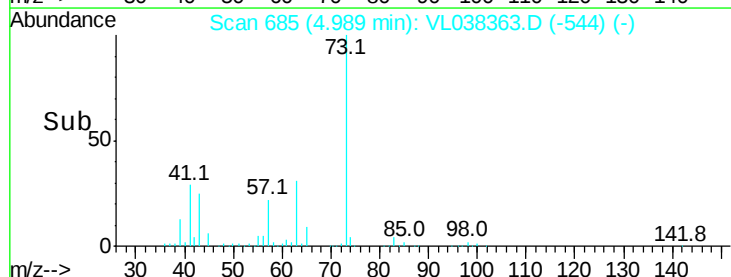
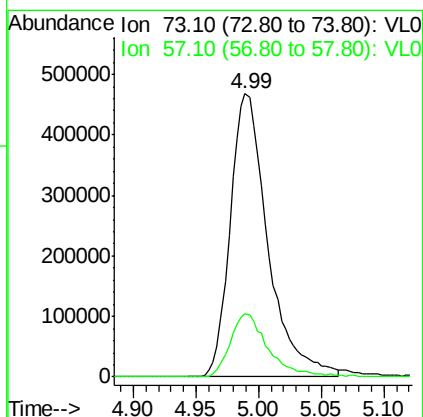
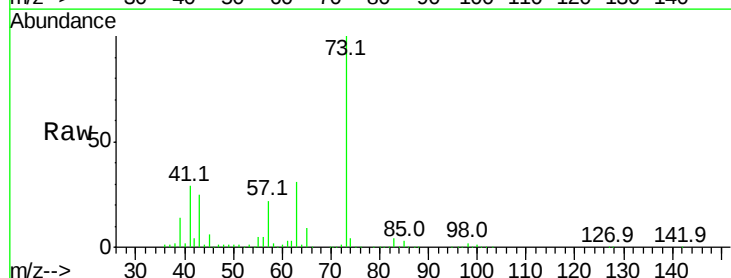
Acq: 16 Feb 2022 11:04

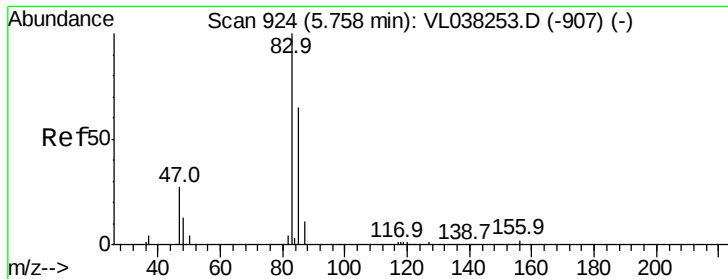
Tgt Ion: 73 Resp: 975457

Ion Ratio Lower Upper

73 100

57 23.0 18.2 27.4



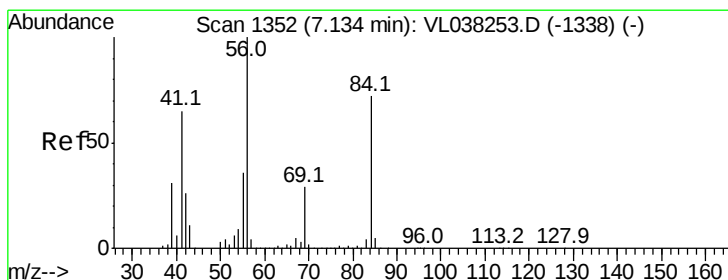
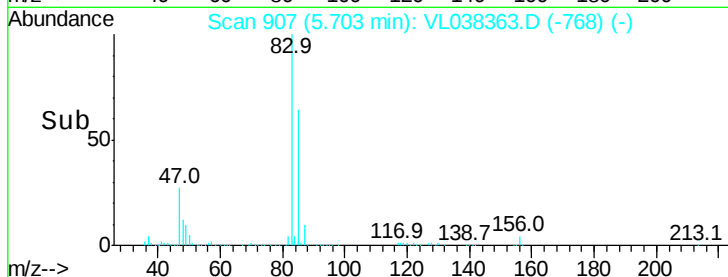
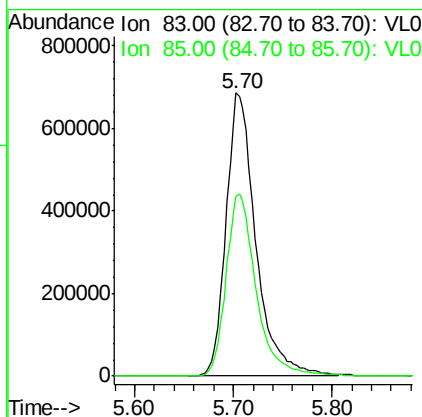
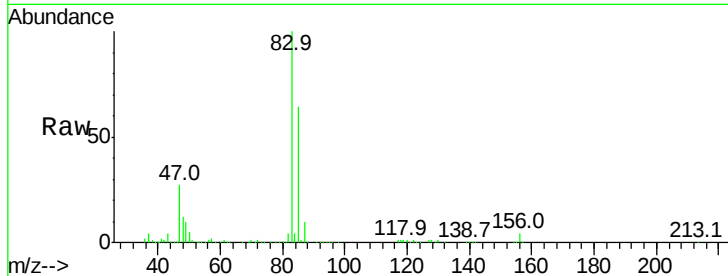


#29
Chloroform
Concen: 10.75 ppbv
RT: 5.70
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 16 Feb 2022 11:04

Tgt Ion:
Ion Ratio
83 100
85 63.

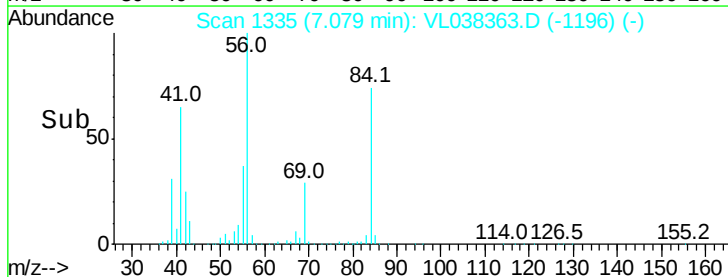
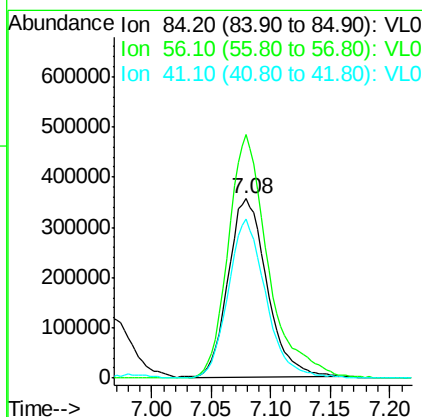
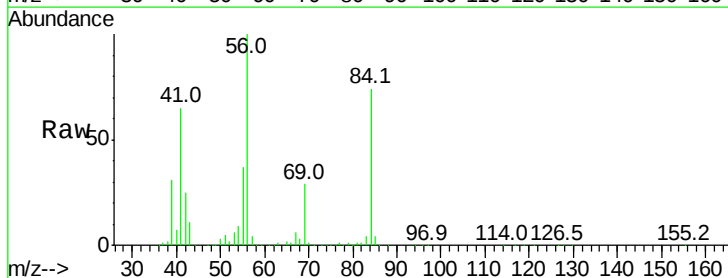
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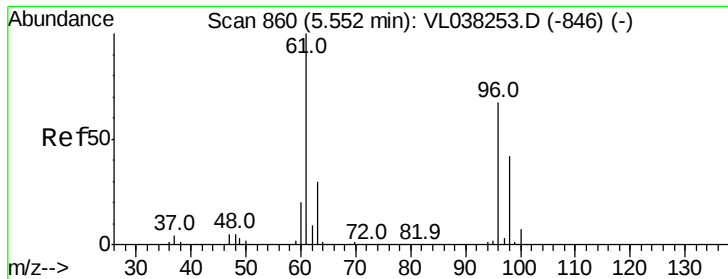
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#30
Cyclohexane
Concen: 11.16 ppbv
RT: 7.08 min Scan# 1335
Delta R.T. -0.05 min
Lab File: VL038363.D
Acq: 16 Feb 2022 11:04

Tgt Ion: 84 Resp: 801890
Ion Ratio Lower Upper
84 100
56 141.2 112.7 169.1
41 87.5 71.1 106.7





#31

cis-1,2-Dichloroethene

Concen: 9.57 ppbv

RT: 5.50 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Feb 2022 11:04 VSTDCCC010

Tgt Ion:

Ion Ratio

61 100

96 69.

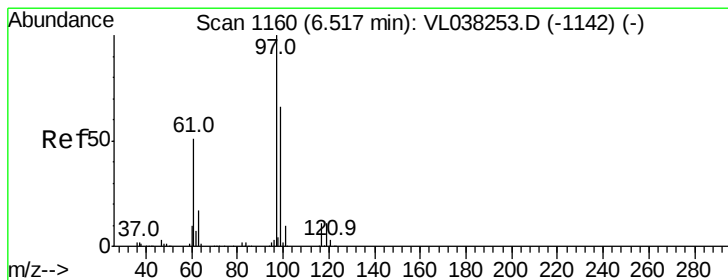
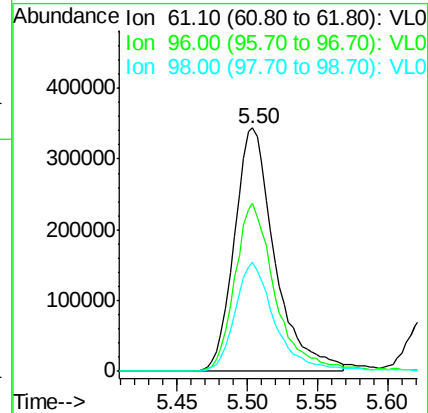
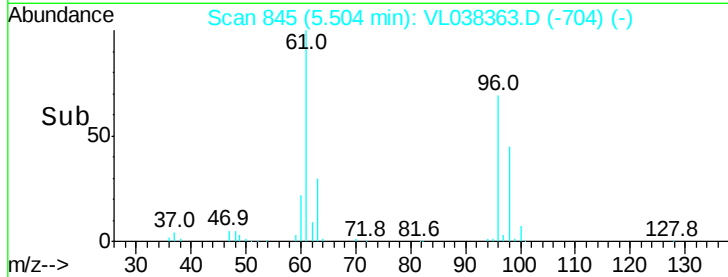
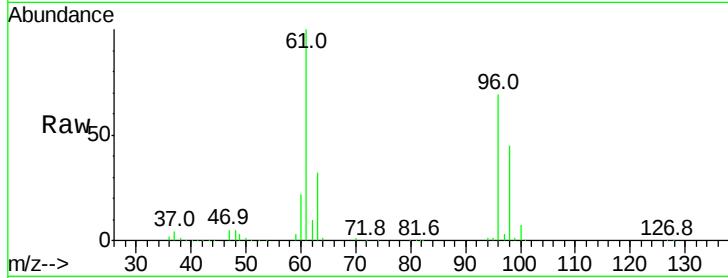
98 44.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#32

1,1,1-Trichloroethane

Concen: 11.27 ppbv

RT: 6.46 min Scan# 1143

Delta R.T. -0.05 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

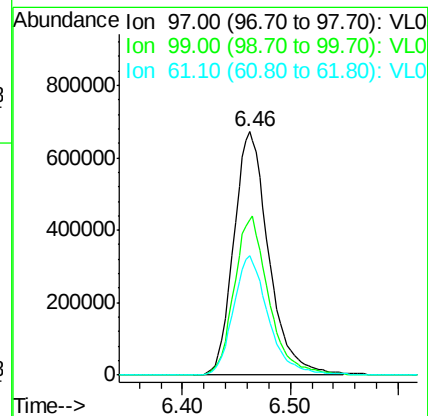
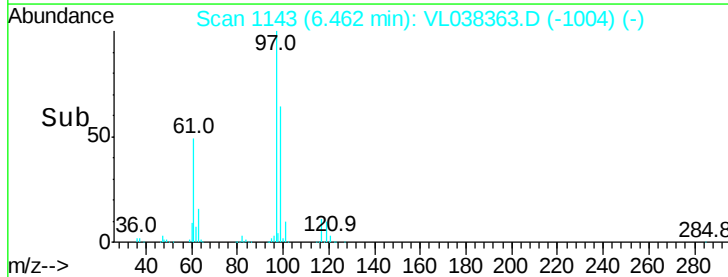
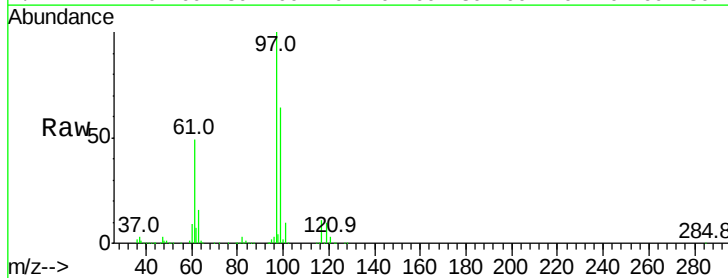
Tgt Ion: 97 Resp: 1517032

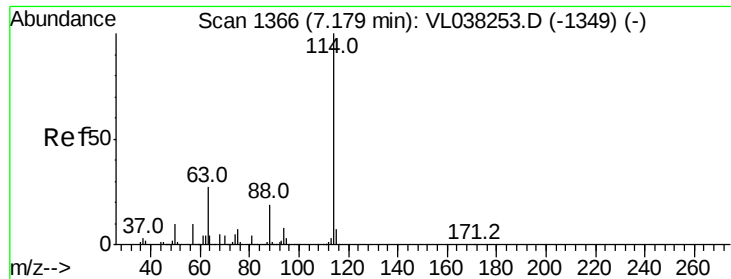
Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 49.3 40.5 60.7





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04

Tgt Ion: 1

Ion Ratio

114 100

63 27.

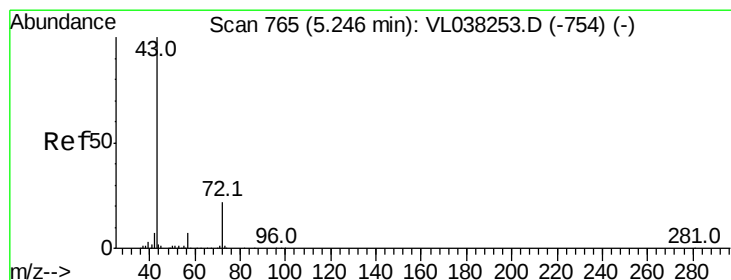
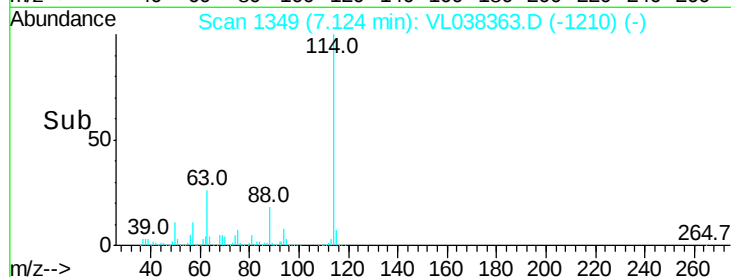
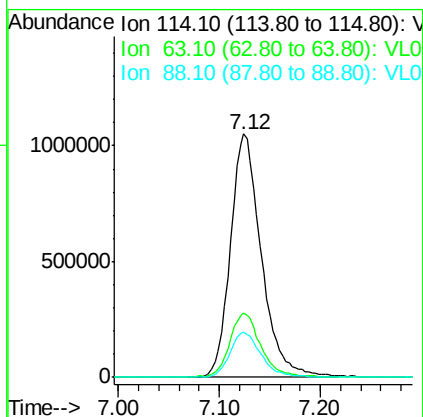
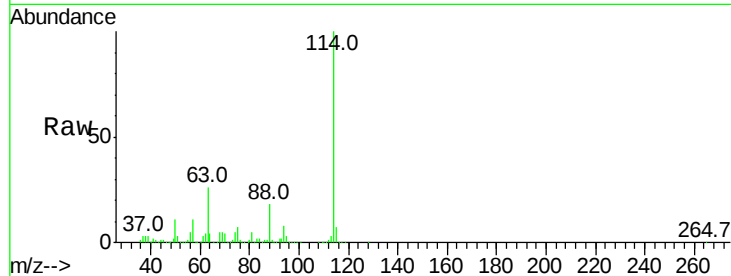
88 18.

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2022

Supervised By : Mahesh Dadoda 02/21/2022



#34

2-Butanone

Concen: 9.40 ppbv

RT: 5.20 min Scan# 750

Delta R.T. -0.05 min

Lab File: VL038363.D

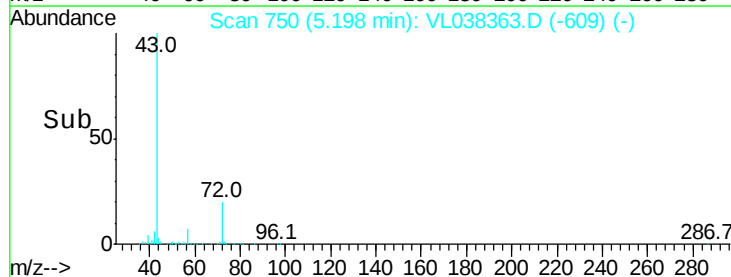
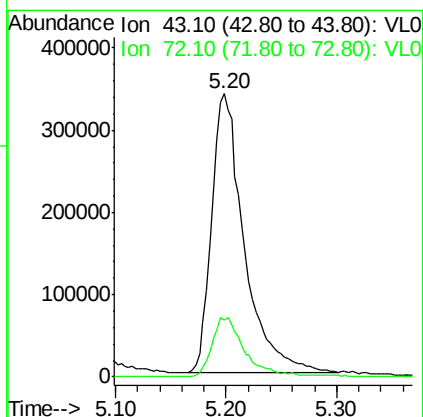
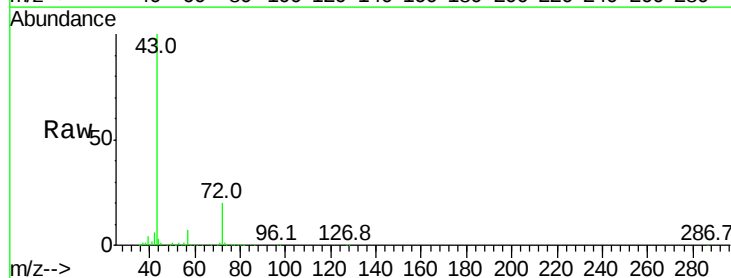
Acq: 16 Feb 2022 11:04

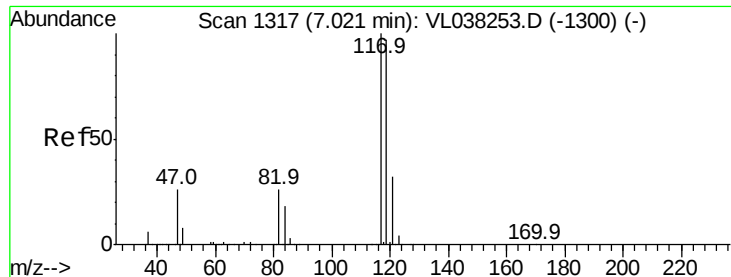
Tgt Ion: 43 Resp: 689599

Ion Ratio Lower Upper

43 100

72 22.3 18.1 27.1



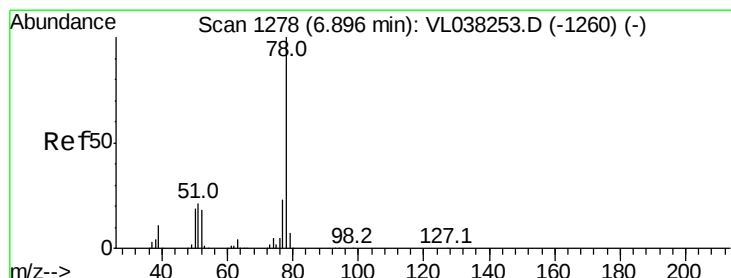
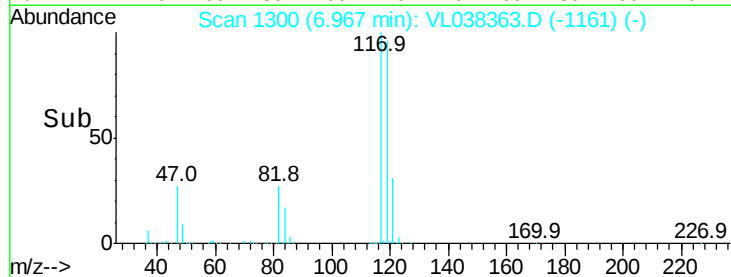
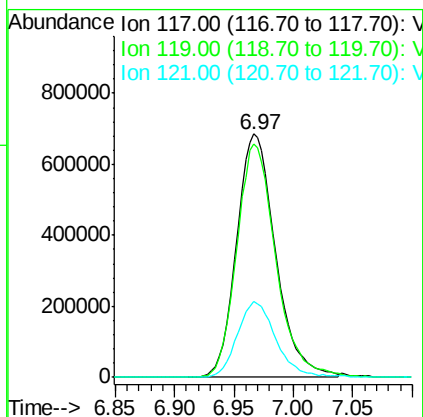
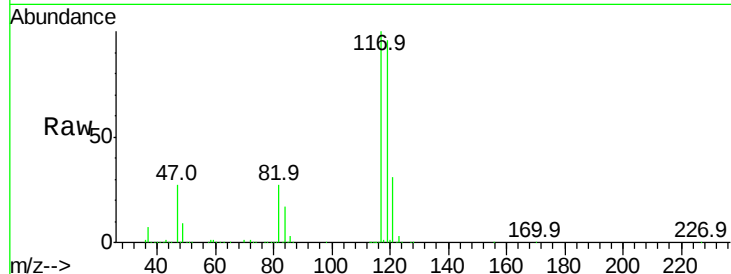


#35
Carbon Tetrachloride
Concen: 9.88 ppbv
RT: 6.97
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Feb 2022 11:04

Tgt Ion: 117
Ion Ratio: 100
117 100
119 95.
121 31.

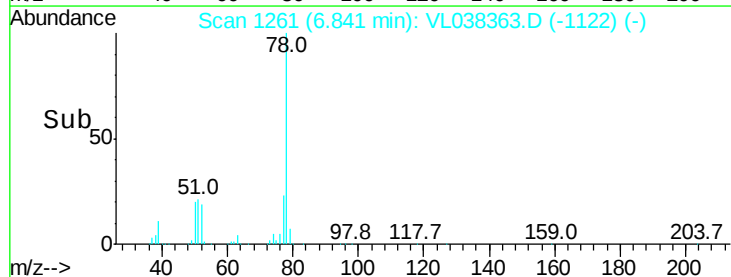
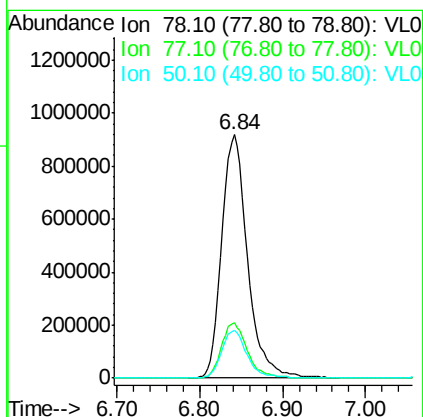
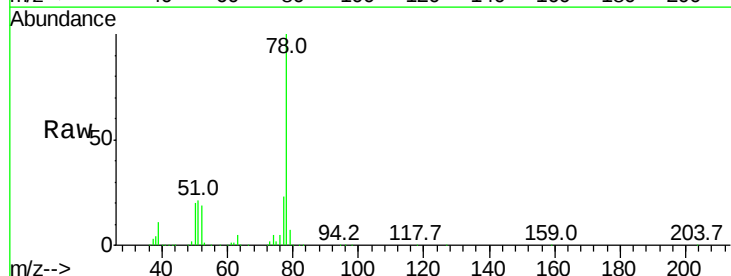
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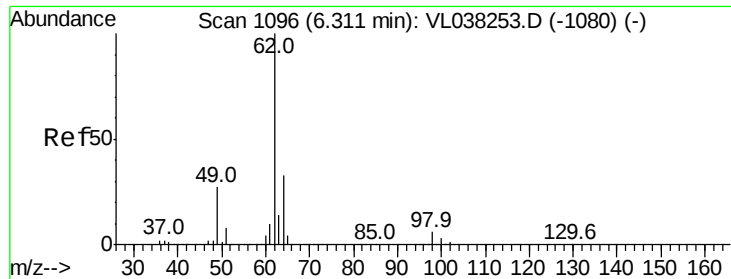
Reviewed By : Semsettin Yesilyurt 02/17/2022
Supervised By : Mahesh Dadoda 02/21/2022



#36
Benzene
Concen: 9.99 ppbv
RT: 6.84 min Scan# 1261
Delta R.T. -0.05 min
Lab File: VL038363.D
Acq: 16 Feb 2022 11:04

Tgt Ion: 78 Resp: 1983548
Ion Ratio Lower Upper
78 100
77 22.6 18.2 27.2
50 19.5 15.1 22.7



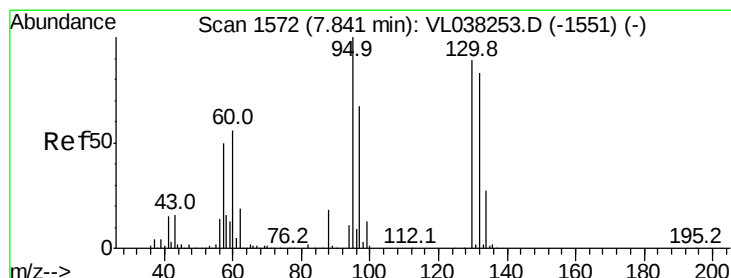
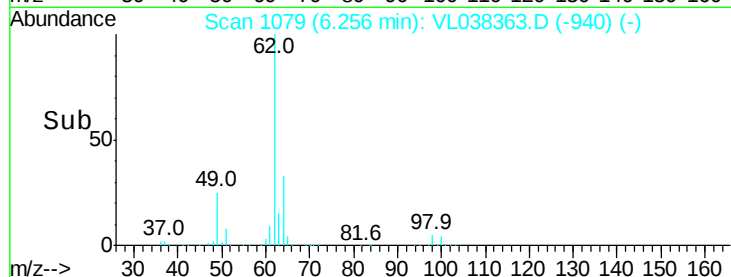
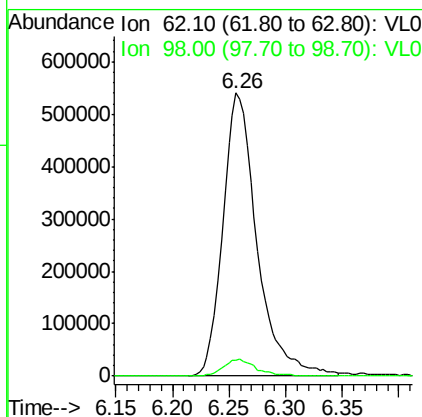
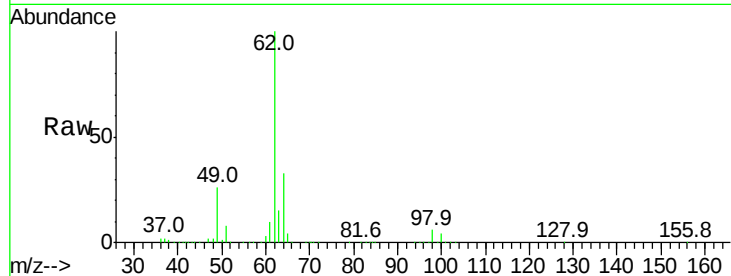


#37
 1,2-Dichloroethane
 Concen: 9.93 ppbv
 RT: 6.26
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 16 Feb 2022 11:04

Tgt Ion:
 Ion Ratio
 62 100
 98 6.

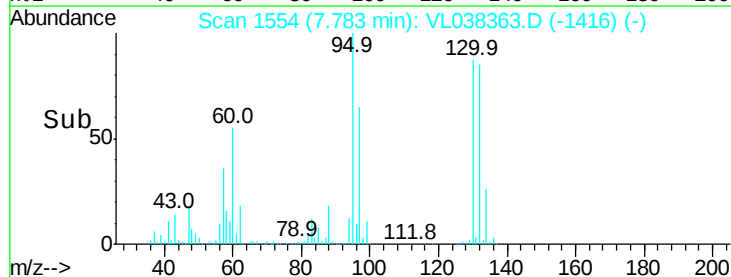
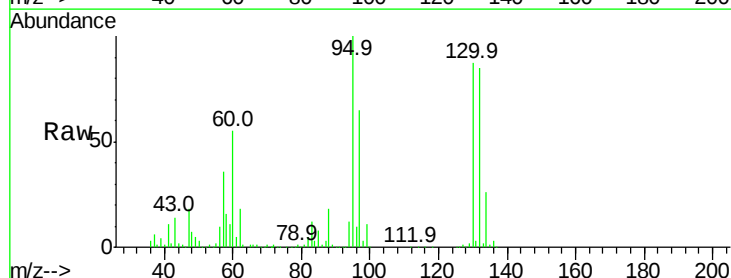
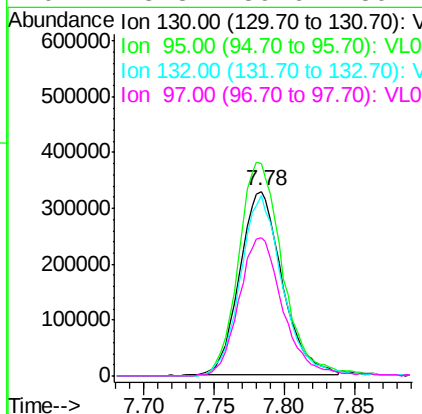
Manual Integrations
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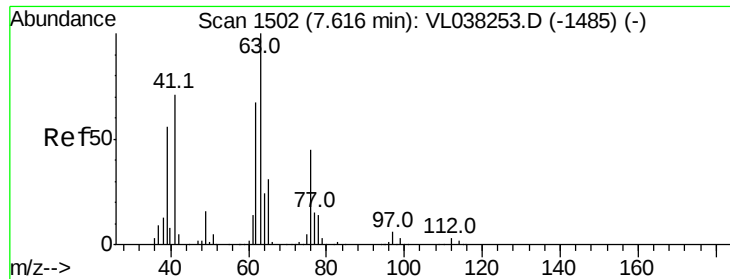
Reviewed By :Semsettin Yesilyurt 02/17/2022
 Supervised By :Mahesh Dadoda 02/21/2022



#38
 Trichloroethene
 Concen: 9.47 ppbv
 RT: 7.78 min Scan# 1554
 Delta R.T. -0.06 min
 Lab File: VL038363.D
 Acq: 16 Feb 2022 11:04

Tgt Ion:130 Resp: 699977
 Ion Ratio Lower Upper
 130 100
 95 115.1 89.4 134.2
 132 97.7 74.6 111.8
 97 75.3 59.6 89.4



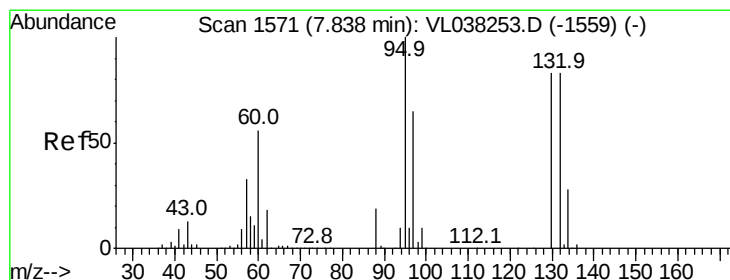
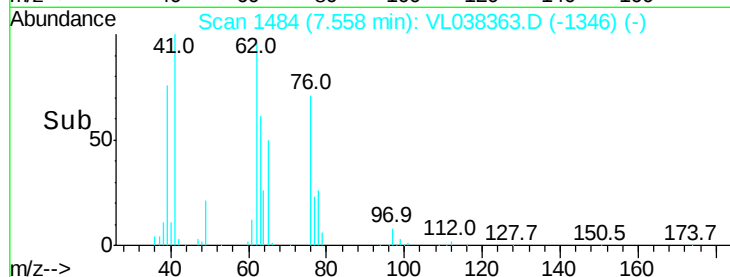
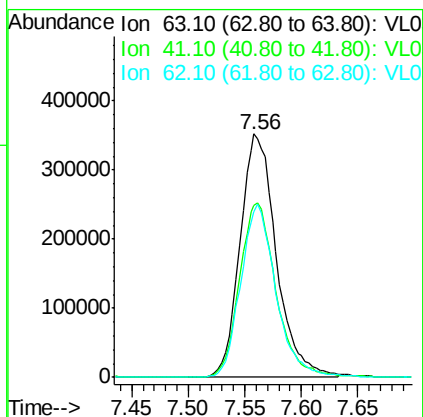
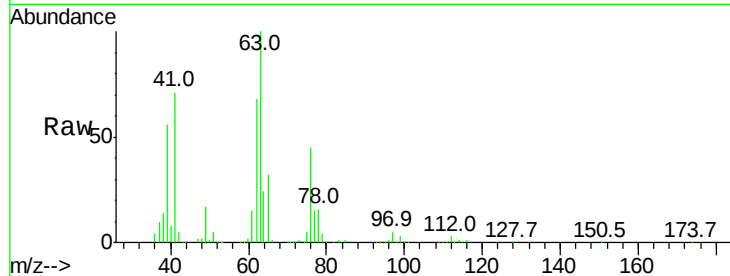


#39
 1,2-Dichloropropane
 Concen: 9.75 ppbv
 RT: 7.56
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 16 Feb 2022 11:04

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

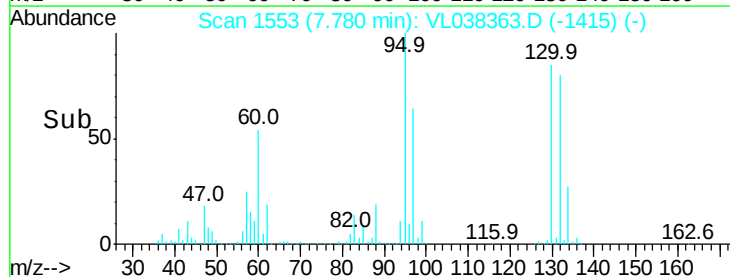
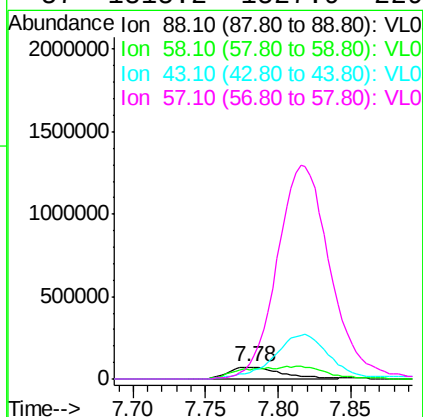
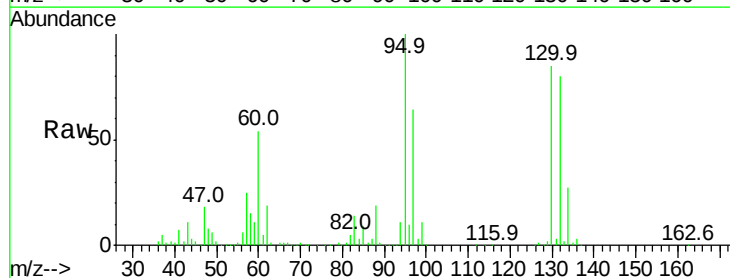
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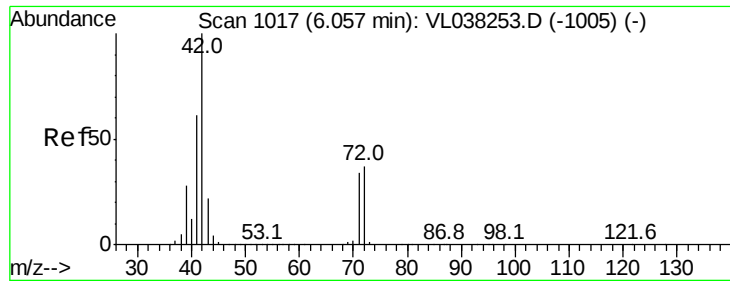
Reviewed By :Semsettin Yesilyurt 02/17/2022
 Supervised By :Mahesh Dadoda 02/21/2022



#40
 1,4-Dioxane
 Concen: 9.50 ppbv
 RT: 7.78 min Scan# 1553
 Delta R.T. -0.06 min
 Lab File: VL038363.D
 Acq: 16 Feb 2022 11:04

Tgt Ion: 88 Resp: 183956
 Ion Ratio Lower Upper
 88 100
 58 167.4 138.6 208.0
 43 407.6 346.9 520.3
 57 1815.2 1527.9 2291.9



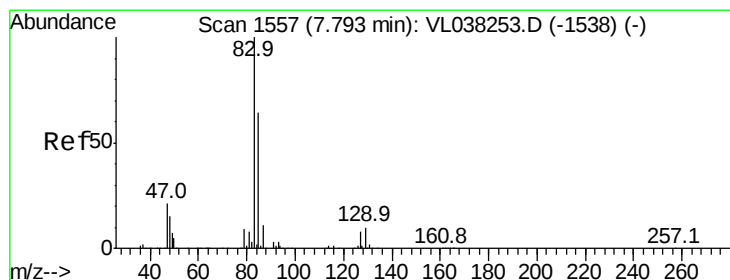
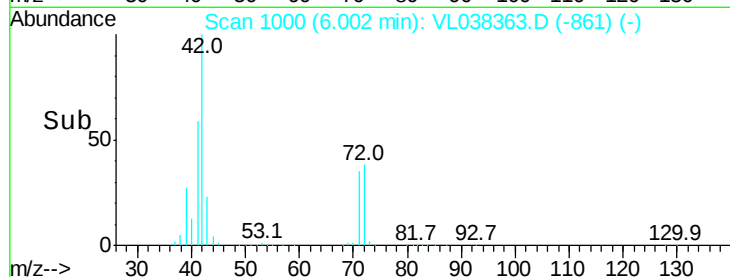
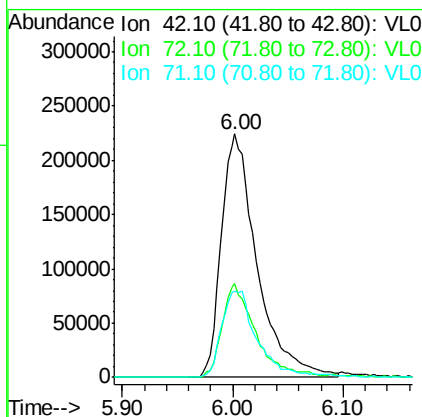
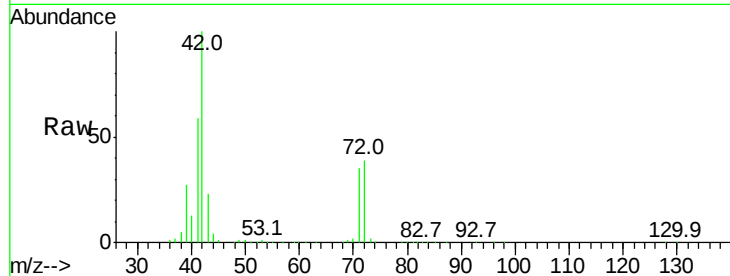


#41
Tetrahydrofuran
Concen: 10.15 ppbv
RT: 6.00
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Feb 2022 11:04

Tgt Ion:
Ion Ratio
42 100
72 37.
71 36.

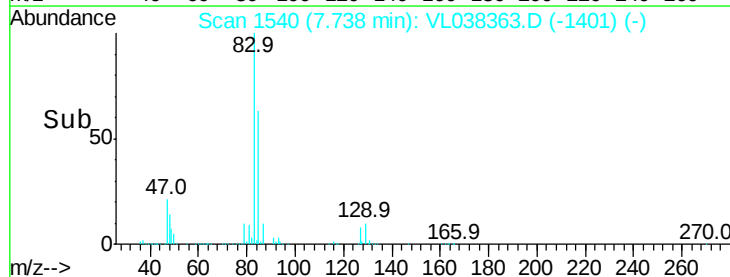
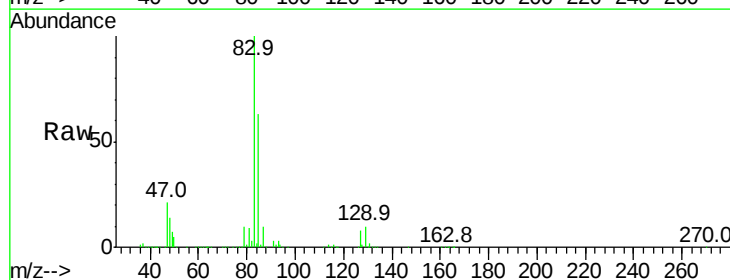
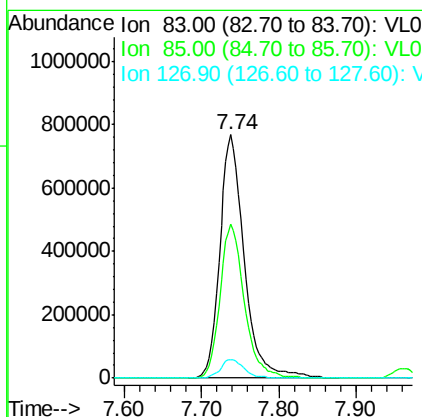
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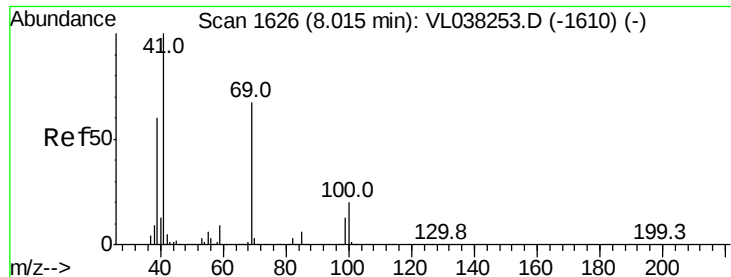
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#42
Bromodichloromethane
Concen: 10.04 ppbv
RT: 7.74 min Scan# 1540
Delta R.T. -0.05 min
Lab File: VL038363.D
Acq: 16 Feb 2022 11:04

Tgt Ion: 83 Resp: 1694247
Ion Ratio Lower Upper
83 100
85 63.2 51.5 77.3
127 7.6 6.2 9.4



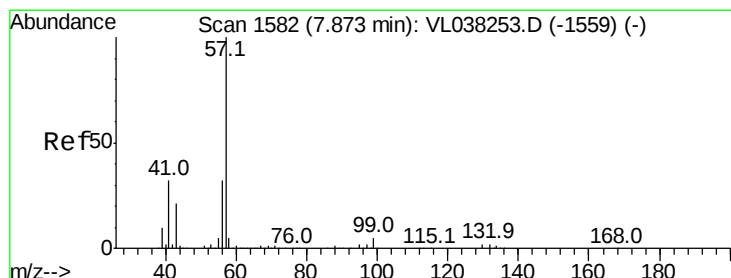
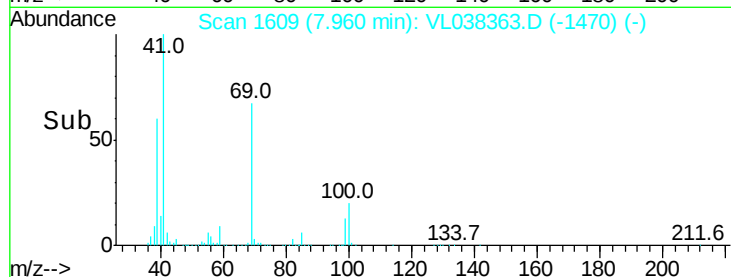
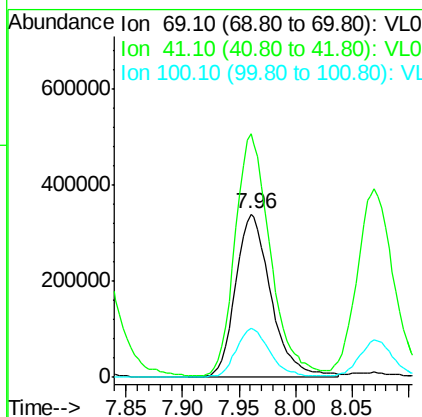
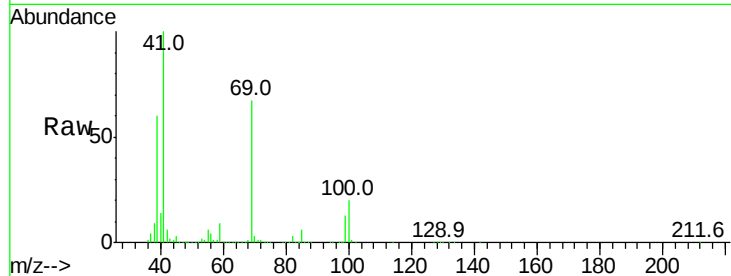


#43
Methyl Methacrylate
Concen: 10.56 ppbv
RT: 7.96
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Feb 2022 11:04

Tgt Ion:
Ion Ratio
69 100
41 149.
100 28.

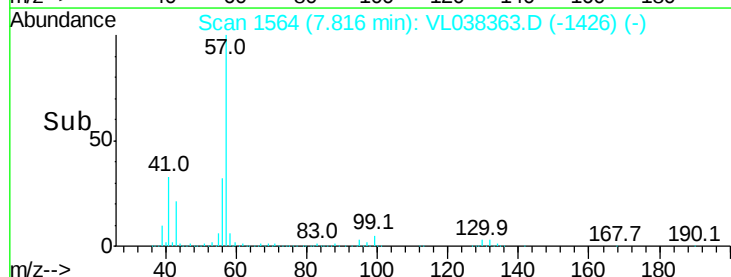
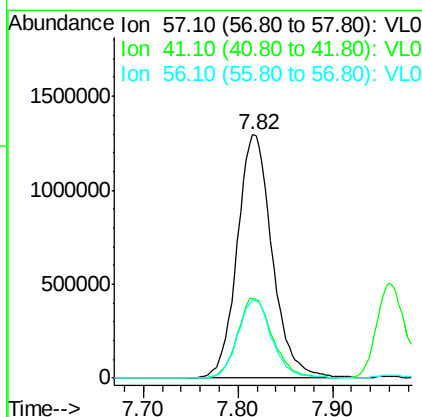
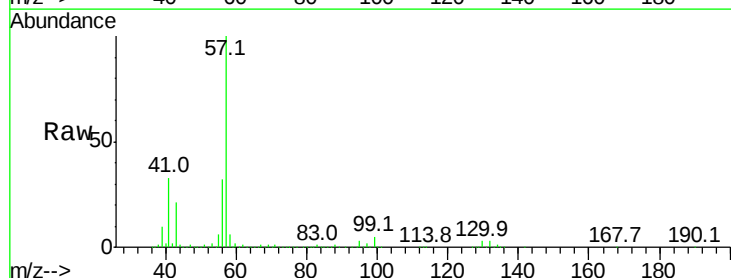
Manual Integrations
APPROVED

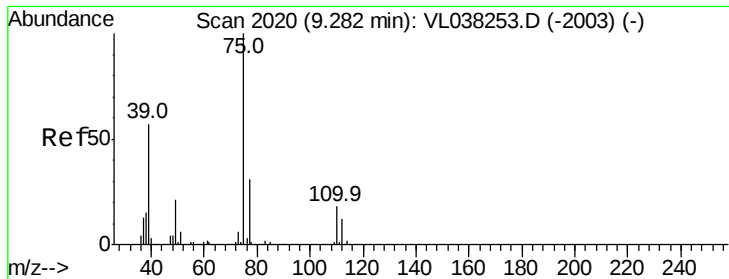
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#44
2,2,4-Trimethylpentane
Concen: 9.51 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VL038363.D
Acq: 16 Feb 2022 11:04

Tgt Ion: 57 Resp: 3325642
Ion Ratio Lower Upper
57 100
41 33.2 26.3 39.5
56 31.5 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 10.15 ppbv

RT: 9.22 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDCCC010

Acq: 16 Feb 2022 11:04

Tgt Ion:

Ion Ratio

75 100

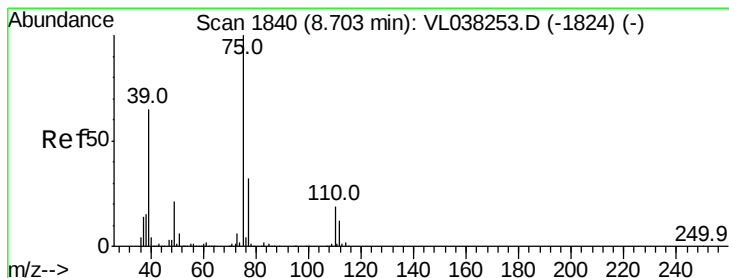
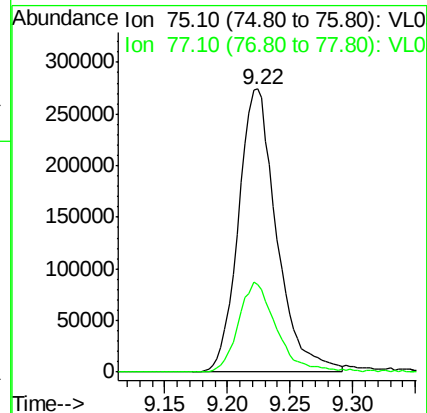
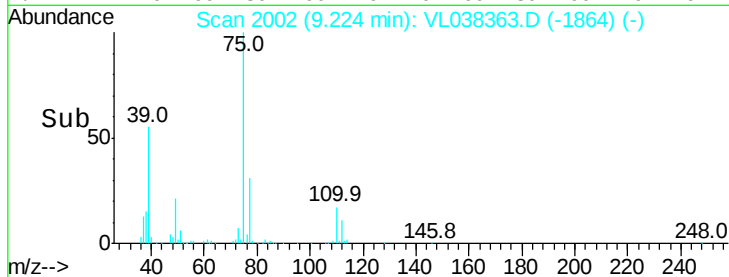
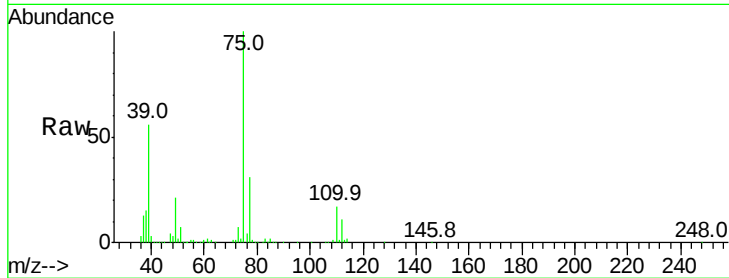
77 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#46

cis-1,3-Dichloropropene

Concen: 9.80 ppbv

RT: 8.65 min Scan# 1824

Delta R.T. -0.05 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

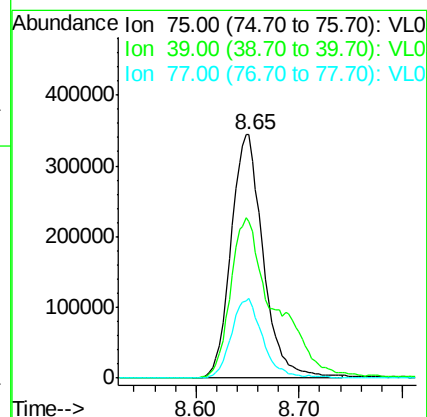
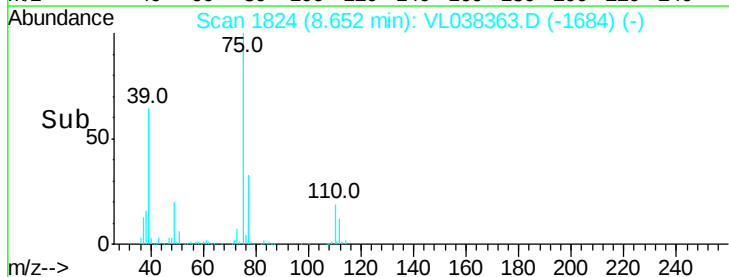
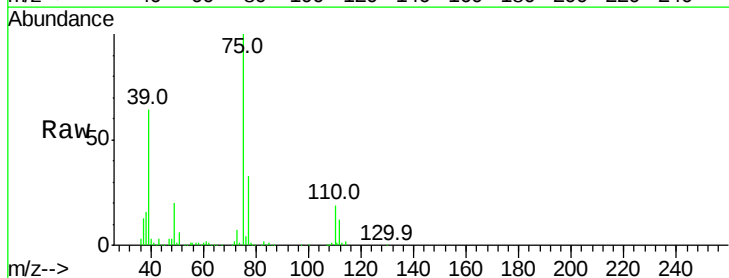
Tgt Ion: 75 Resp: 746111

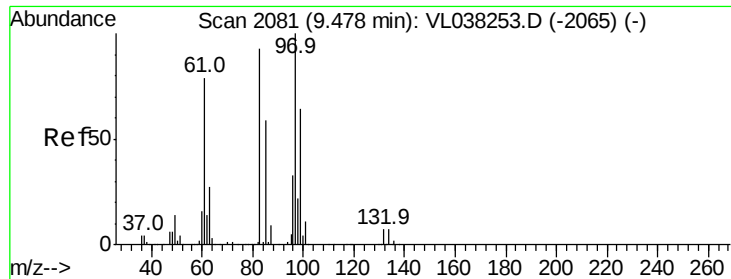
Ion Ratio Lower Upper

75 100

39 64.2 52.3 78.5

77 32.8 25.4 38.0



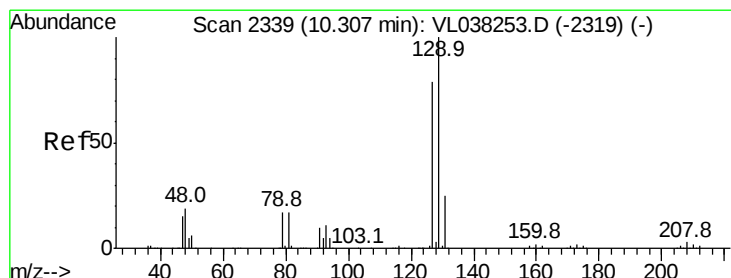
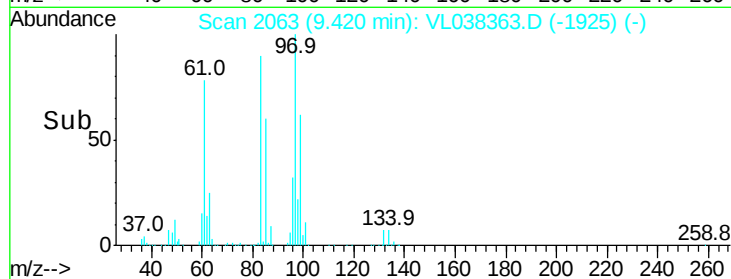
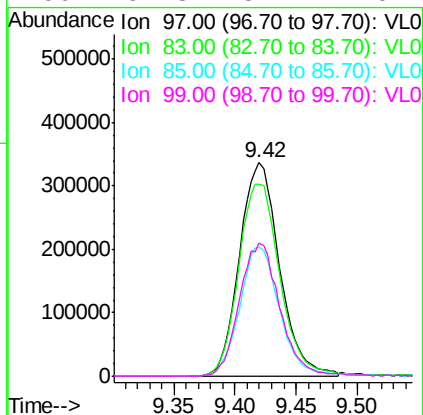
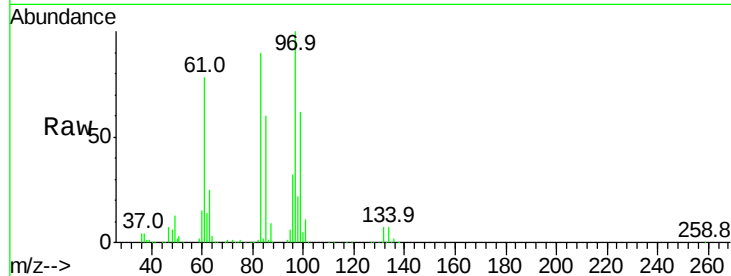


#47
 1,1,2-Trichloroethane
 Concen: 9.65 ppbv
 RT: 9.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 16 Feb 2022 11:04

Tgt Ion:
 Ion Ratio
 97 100
 83 90.
 85 60.
 99 62.3 51.1 76.7

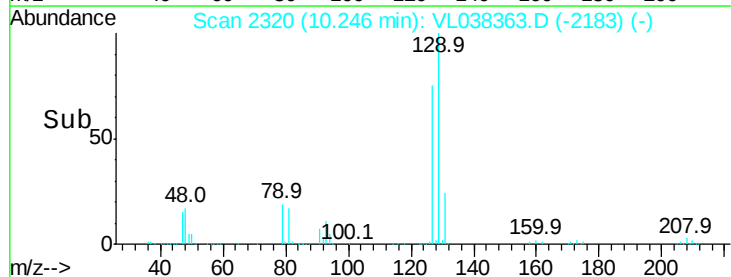
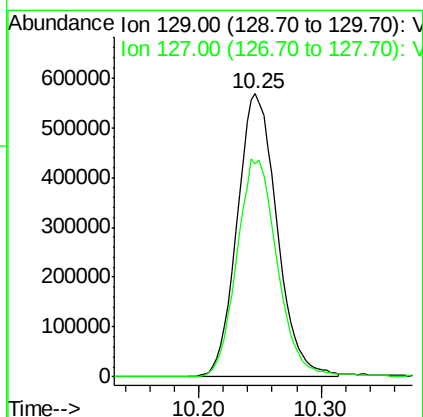
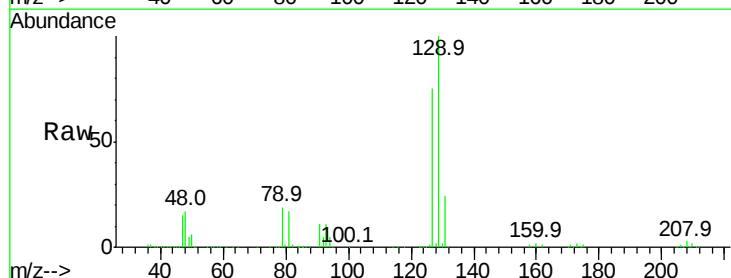
Manual Integrations
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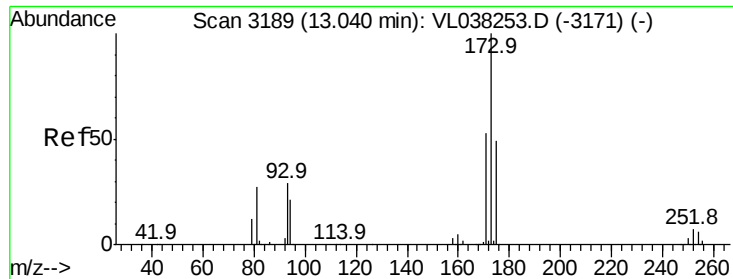
Reviewed By :Semsettin Yesilyurt 02/17/2022
 Supervised By :Mahesh Dadoda 02/21/2022



#48
 Dibromochloromethane
 Concen: 9.64 ppbv
 RT: 10.25 min Scan# 2320
 Delta R.T. -0.06 min
 Lab File: VL038363.D
 Acq: 16 Feb 2022 11:04

Tgt Ion:129 Resp: 1282797
 Ion Ratio Lower Upper
 129 100
 127 78.9 39.1 117.3





#49

Bromoform

Concen: 9.10 ppbv

RT: 12.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04

Tgt Ion:1

Ion Ratio

173 100

175 49.

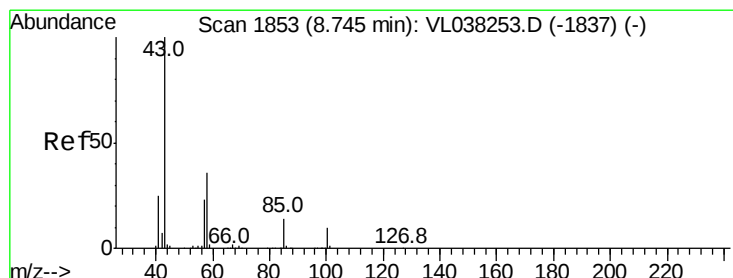
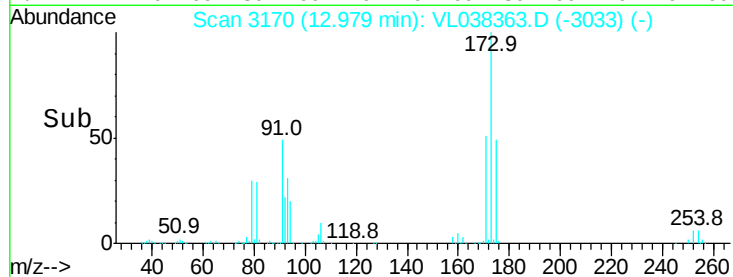
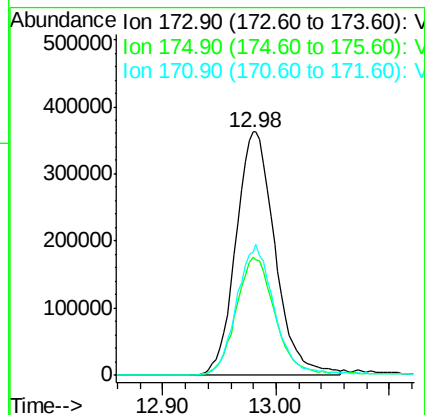
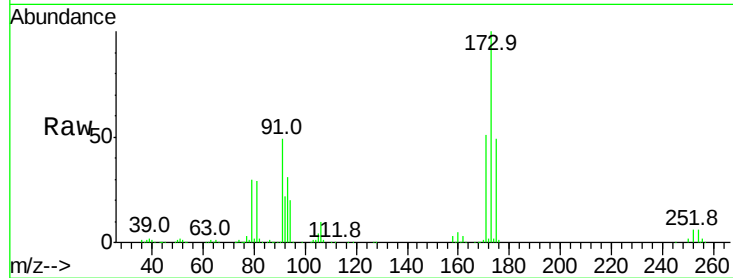
171 52.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#50

4-Methyl-2-Pentanone

Concen: 9.74 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.06 min

Lab File: VL038363.D

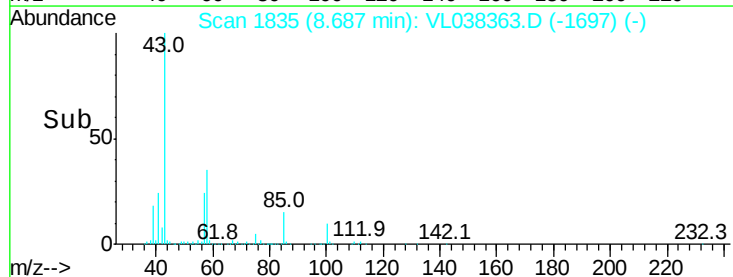
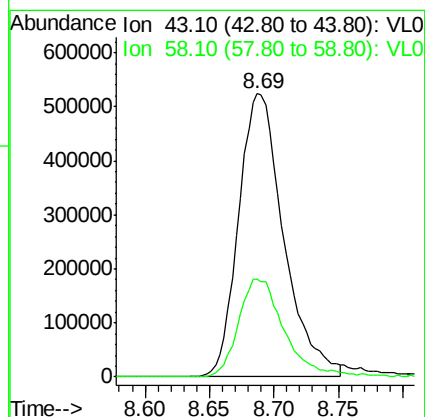
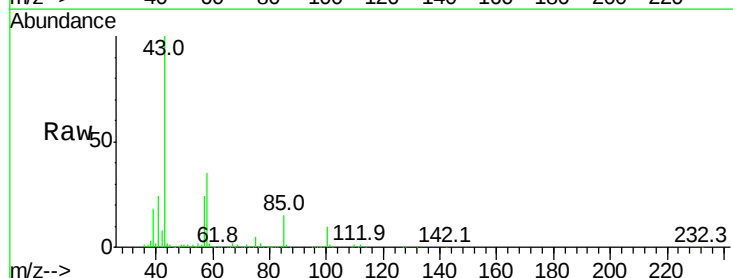
Acq: 16 Feb 2022 11:04

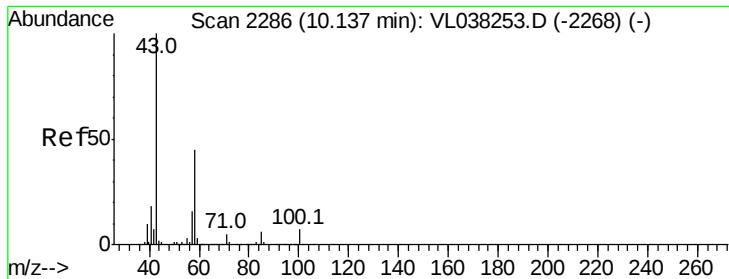
Tgt Ion: 43 Resp: 1275108

Ion Ratio Lower Upper

43 100

58 35.7 28.2 42.4



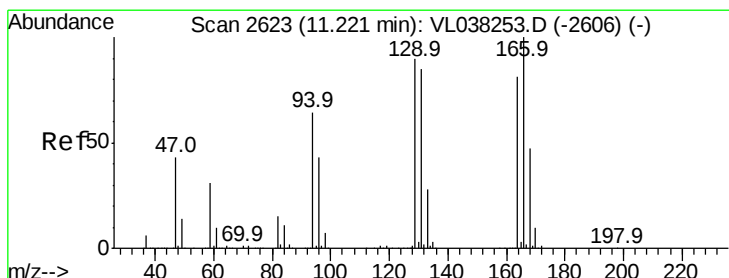
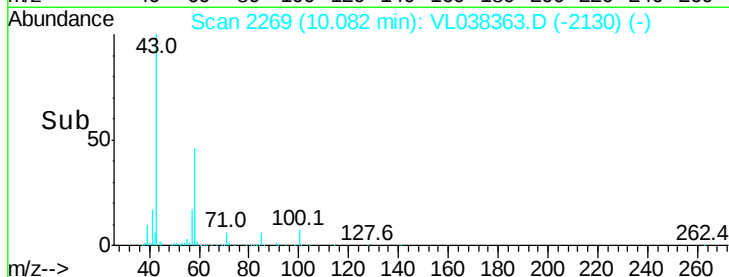
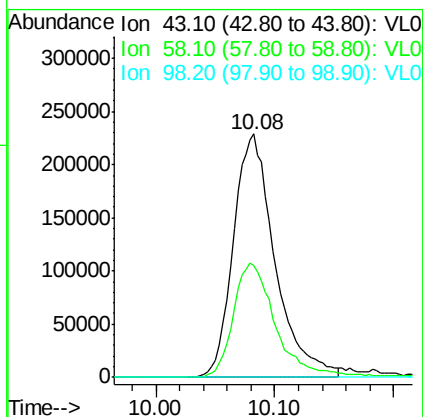
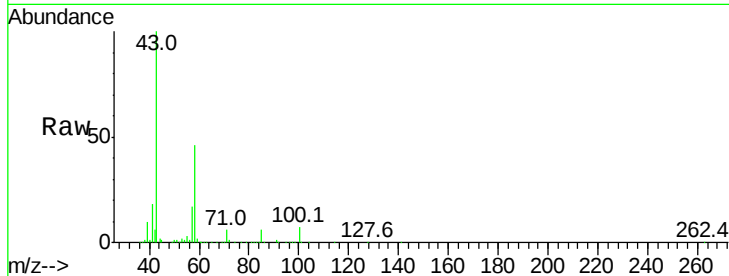


#51
2-Hexanone
Concen: 9.56 ppbv
RT: 10.08
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Feb 2022 11:04

Tgt Ion:
Ion Ratio
43 100
58 48.
98 0.

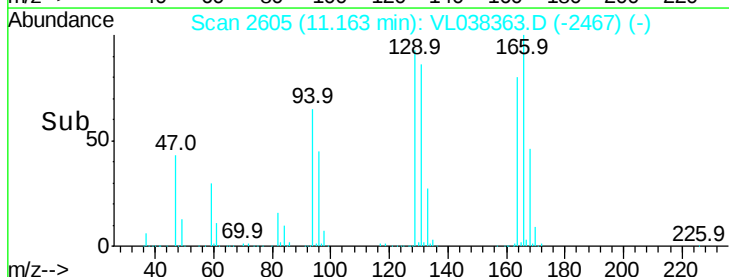
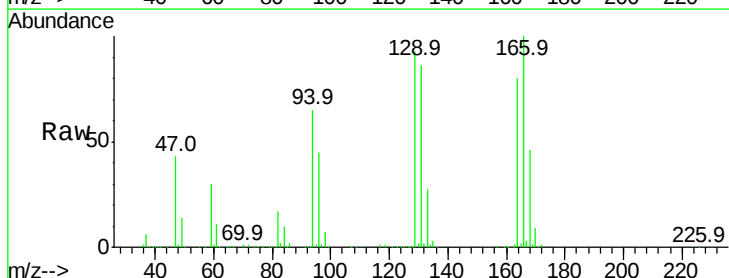
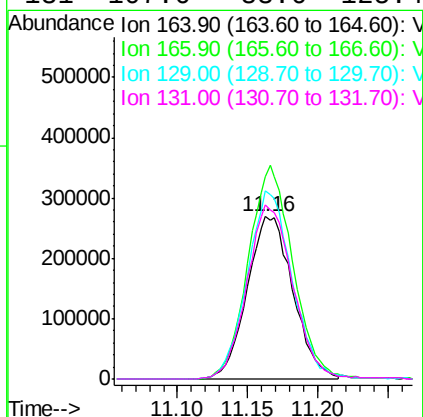
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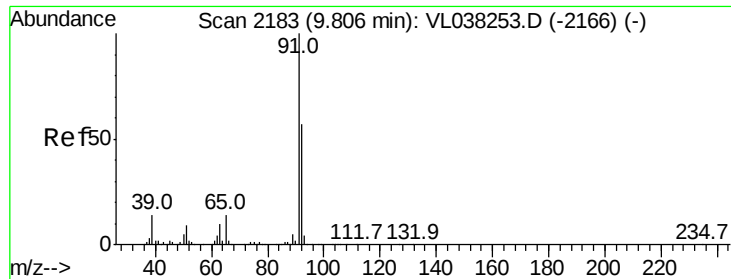
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#52
Tetrachloroethene
Concen: 8.90 ppbv
RT: 11.16 min Scan# 2605
Delta R.T. -0.06 min
Lab File: VL038363.D
Acq: 16 Feb 2022 11:04

Tgt Ion:164 Resp: 609156
Ion Ratio Lower Upper
164 100
166 124.5 98.8 148.2
129 115.7 89.2 133.8
131 107.6 83.6 125.4



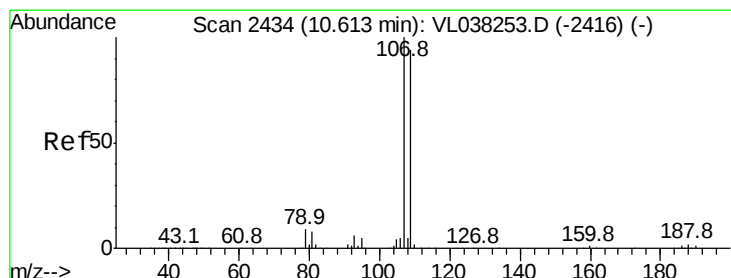
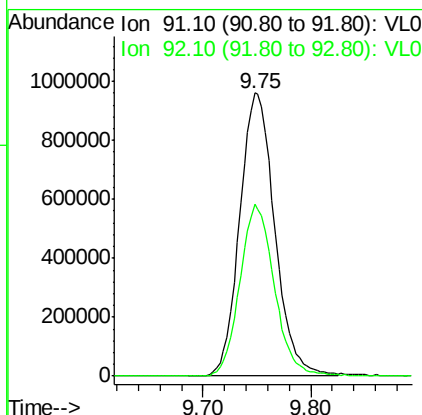
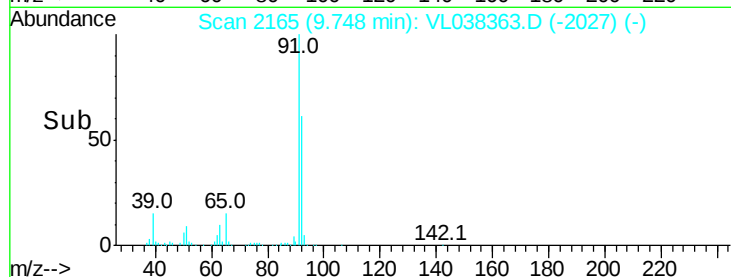
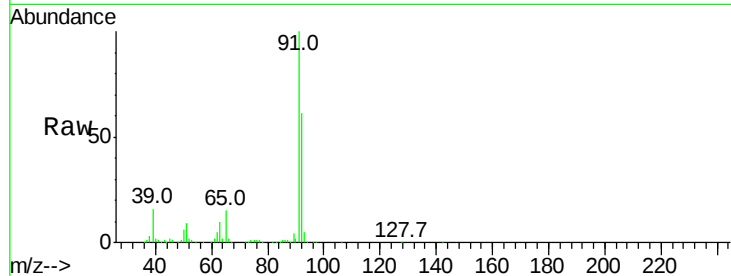


#53
Toluene
Concen: 9.88 ppbv
RT: 9.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Feb 2022 11:04 VSTDCCC010

Tgt Ion:
Ion Ratio
91 100
92 60.

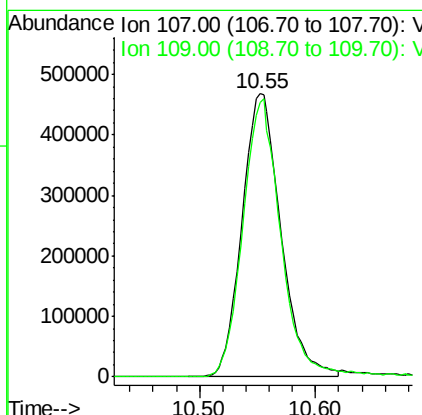
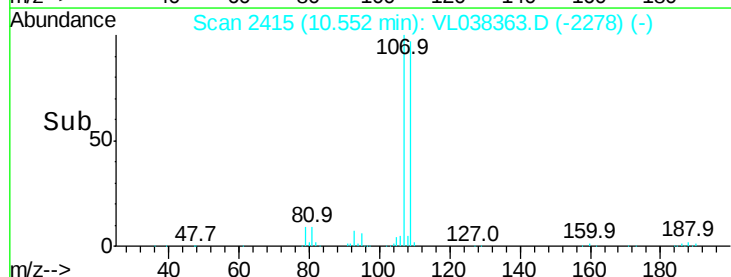
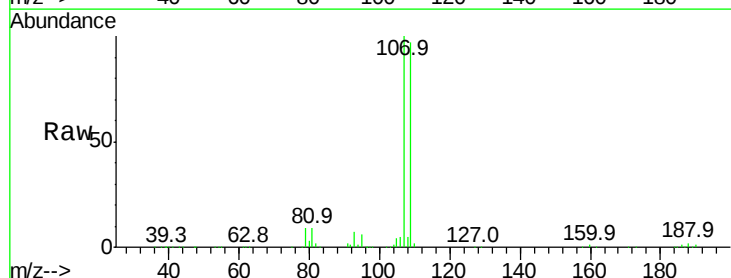
Manual Integrations
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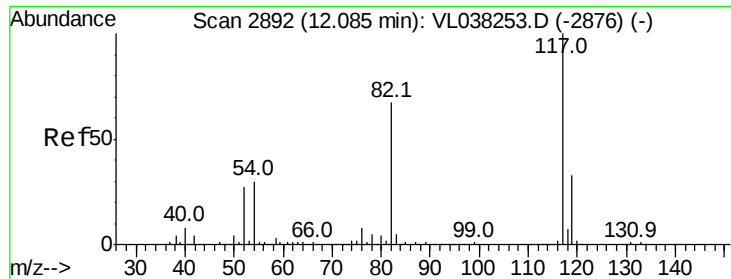
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#54
1,2-Dibromoethane
Concen: 9.70 ppbv
RT: 10.55 min Scan# 2415
Delta R.T. -0.06 min
Lab File: VL038363.D
Acq: 16 Feb 2022 11:04

Tgt Ion:107 Resp: 1090146
Ion Ratio Lower Upper
107 100
109 97.1 75.4 113.0



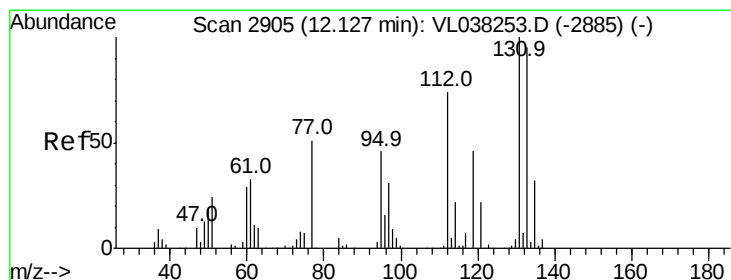
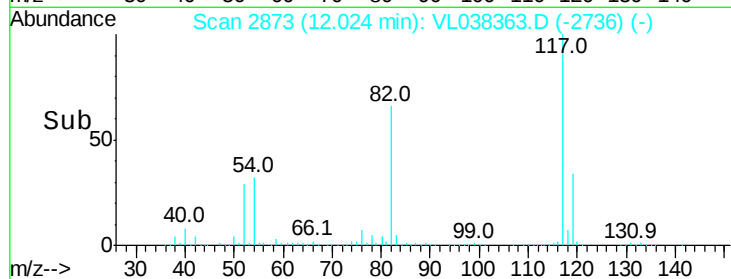
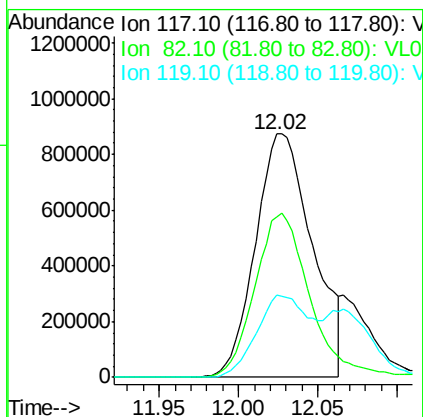
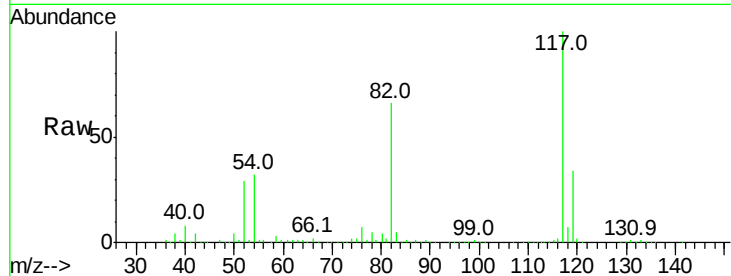


#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.02 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Feb 2022 11:04

Tgt Ion:1
Ion Ratio
117 100
82 66.
119 55.

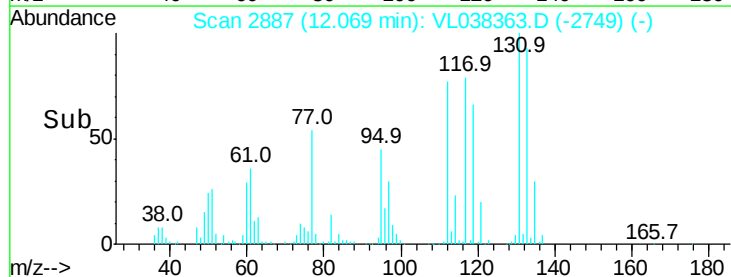
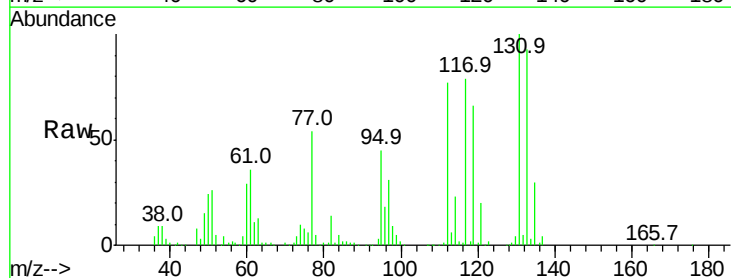
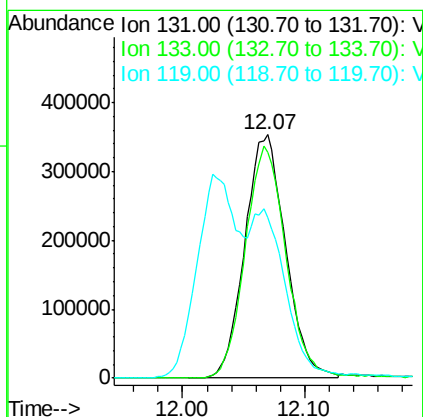
Manual Integrations
APPROVED

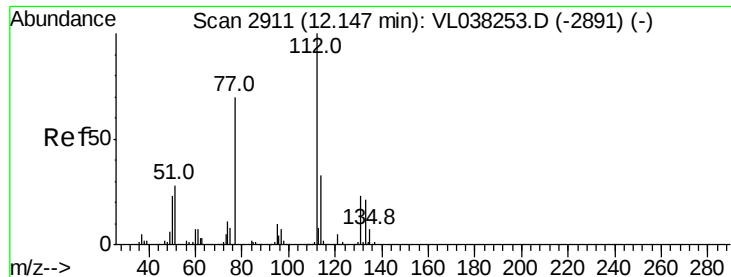
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#56
1,1,1,2-Tetrachloroethane
Concen: 8.55 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.06 min
Lab File: VL038363.D
Acq: 16 Feb 2022 11:04

Tgt Ion:131 Resp: 815526
Ion Ratio Lower Upper
131 100
133 96.9 76.0 114.0
119 64.1 53.0 79.4





#57

Chlorobenzene

Concen: 8.42 ppbv

RT: 12.09

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04

Tgt Ion:1

Ion Ratio

112 100

77 68.

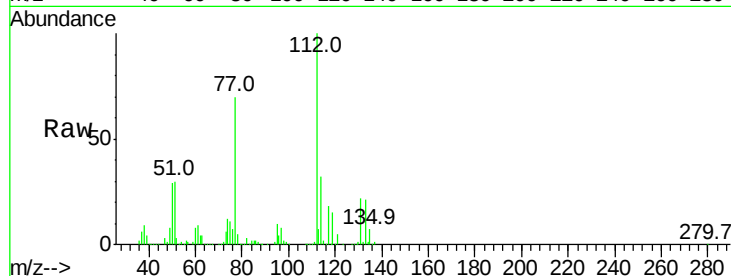
114 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

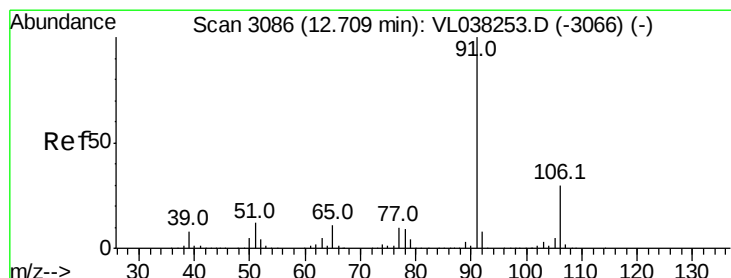
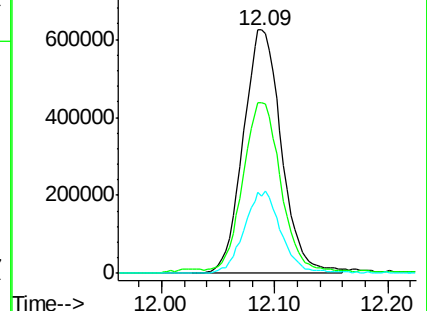
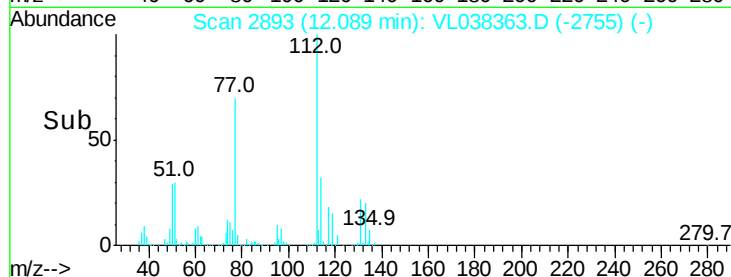
Supervised By :Mahesh Dadoda 02/21/2022



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: 8.70 ppbv

RT: 12.65 min Scan# 3068

Delta R.T. -0.06 min

Lab File: VL038363.D

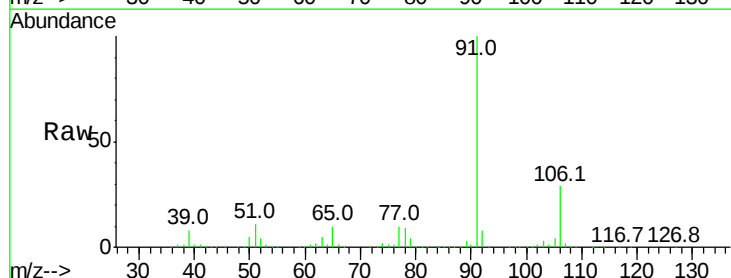
Acq: 16 Feb 2022 11:04

Tgt Ion: 91 Resp: 2786730

Ion Ratio Lower Upper

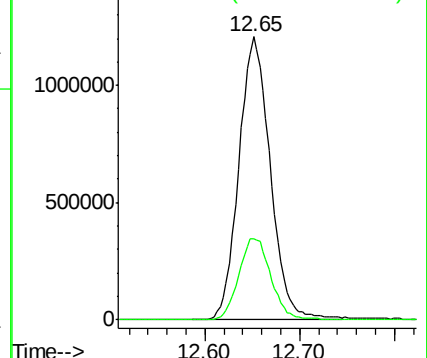
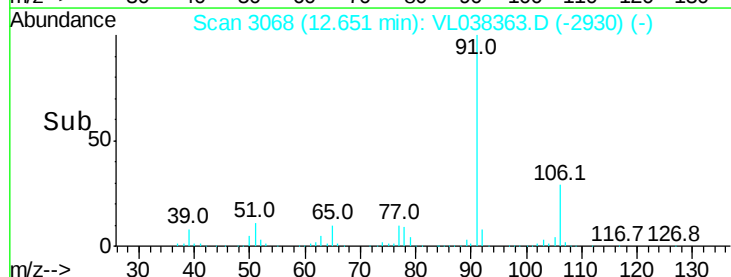
91 100

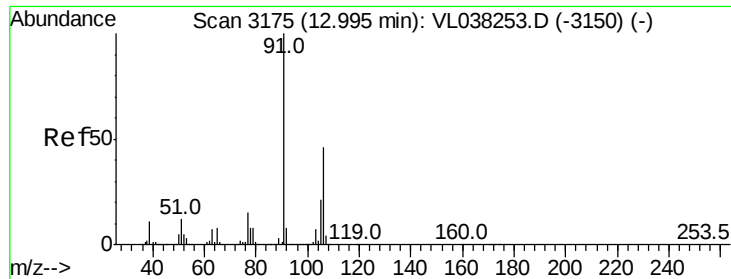
106 28.9 24.1 36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



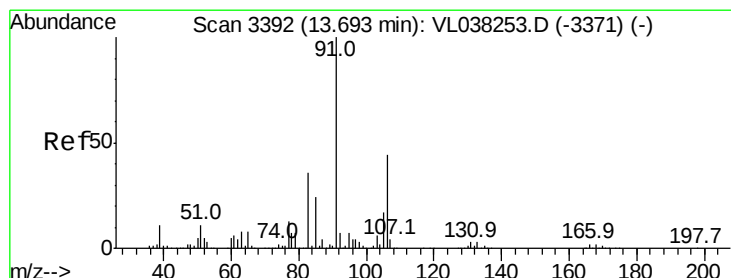
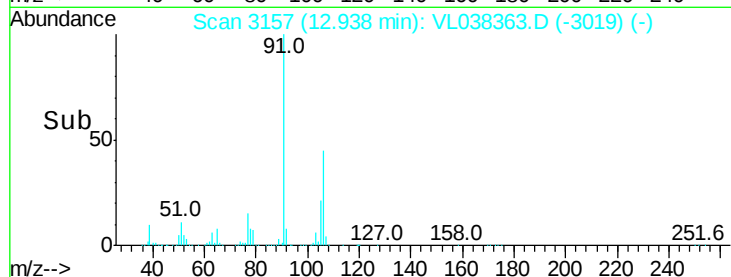
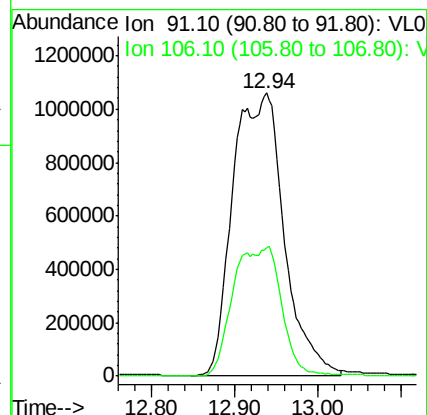
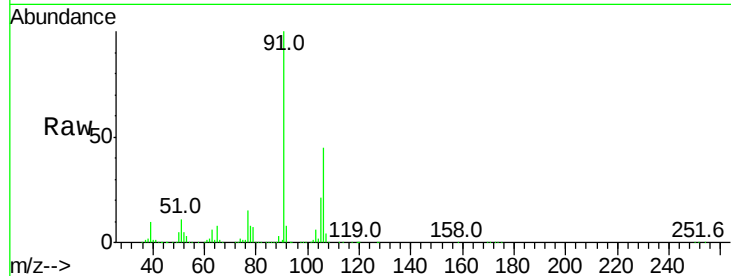


#59
m/p-Xylene
Concen: 16.60 ppbv m
RT: 12.94
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Feb 2022 11:04

Tgt Ion:
Ion Ratio
91 100
106 43.

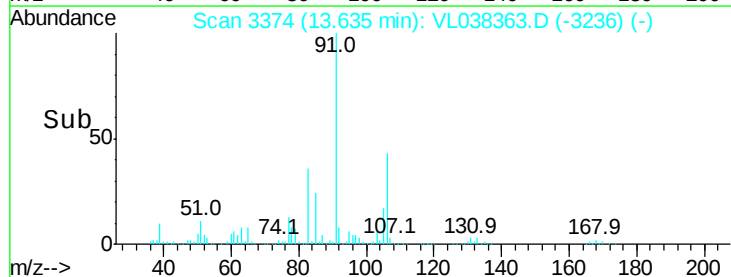
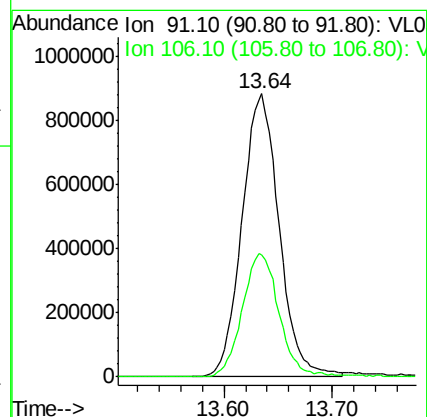
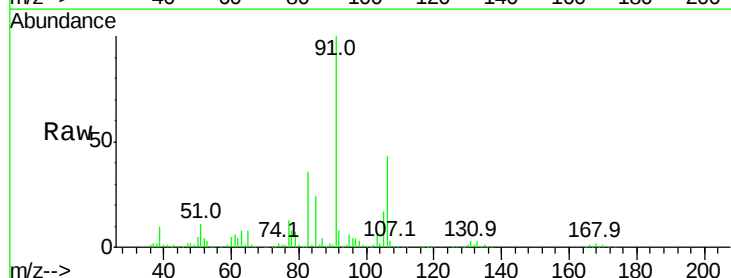
Manual Integrations
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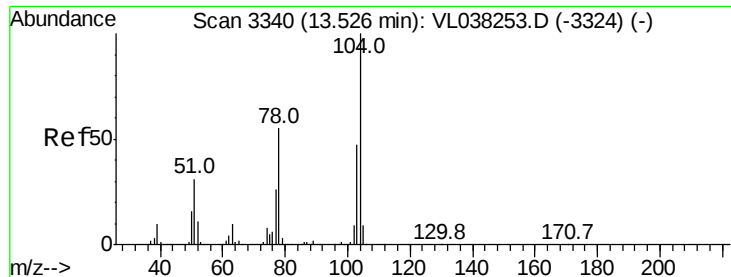
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#60
o-Xylene
Concen: 8.31 ppbv
RT: 13.64 min Scan# 3374
Delta R.T. -0.06 min
Lab File: VL038363.D
Acq: 16 Feb 2022 11:04

Tgt Ion: 91 Resp: 2112021
Ion Ratio Lower Upper
91 100
106 44.2 22.2 66.6





#61

Styrene

Concen: 9.09 ppbv

RT: 13.47

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04

Tgt Ion:1

Ion Ratio

104 100

78 54.

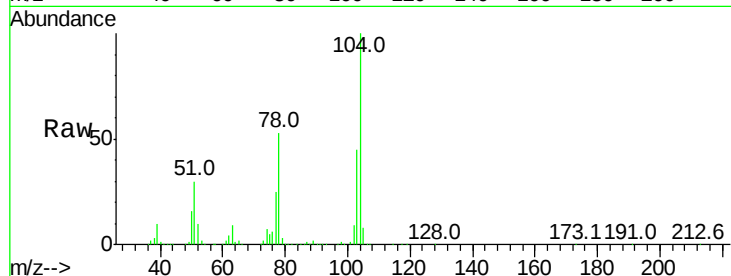
103 47.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

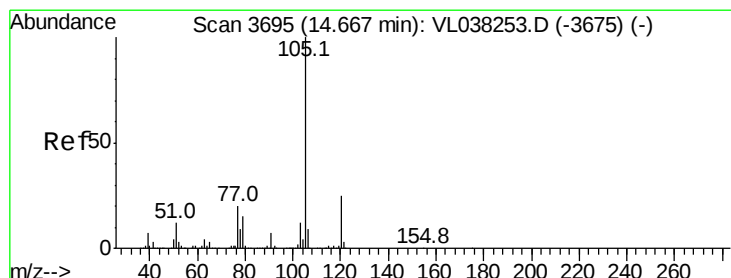
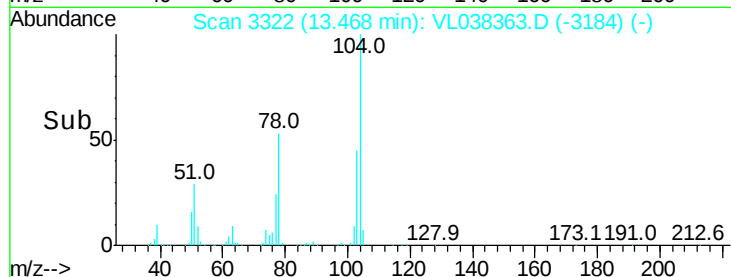
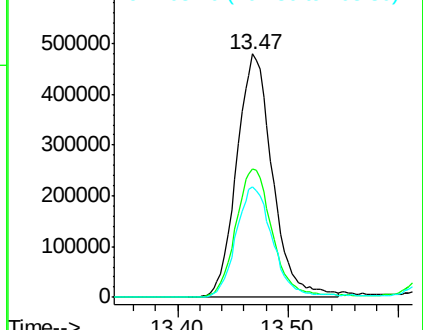
Supervised By :Mahesh Dadoda 02/21/2022



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.19 ppbv

RT: 14.61 min Scan# 3676

Delta R.T. -0.06 min

Lab File: VL038363.D

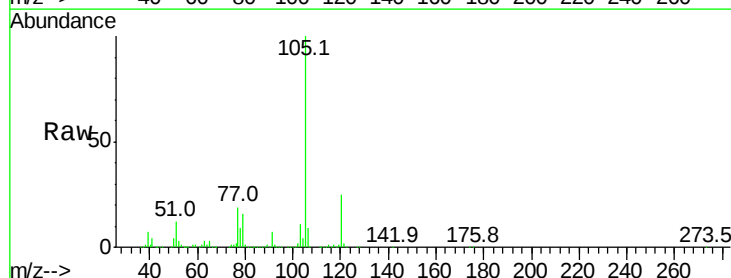
Acq: 16 Feb 2022 11:04

Tgt Ion:105 Resp: 2776563

Ion Ratio Lower Upper

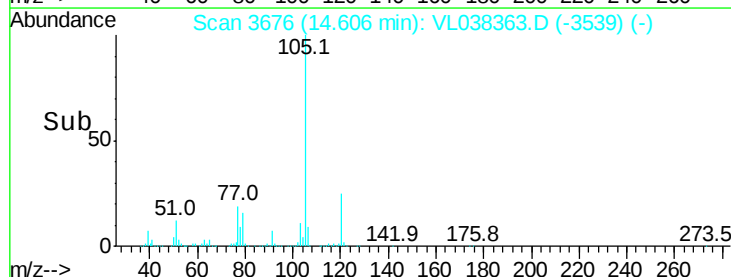
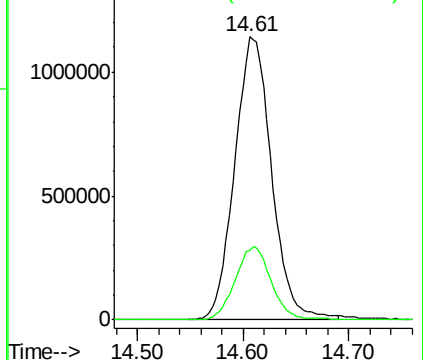
105 100

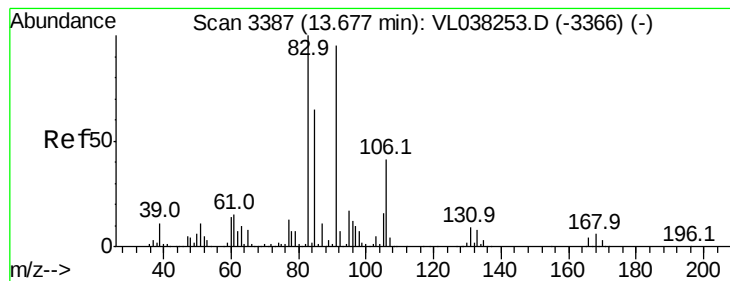
120 25.7 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.43 ppbv

RT: 13.62

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04

Tgt Ion:

Ion Ratio

83 100

131 9.

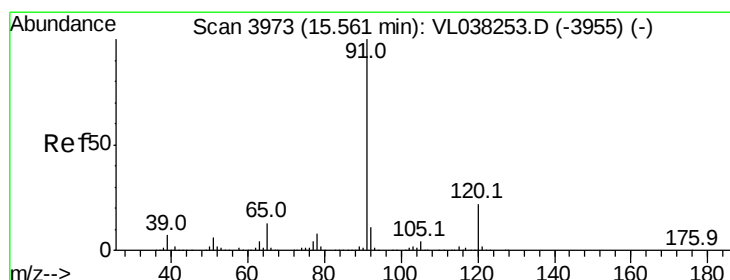
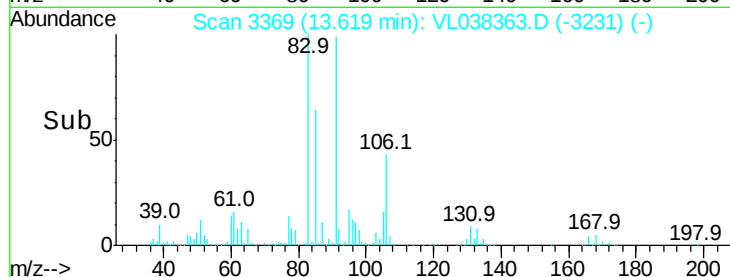
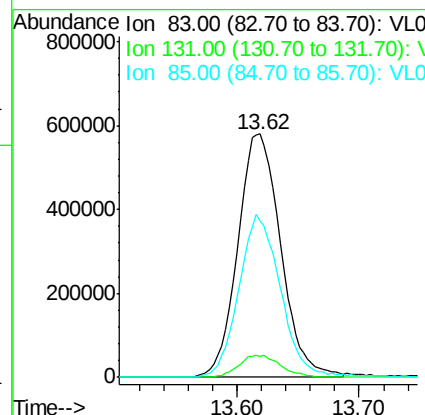
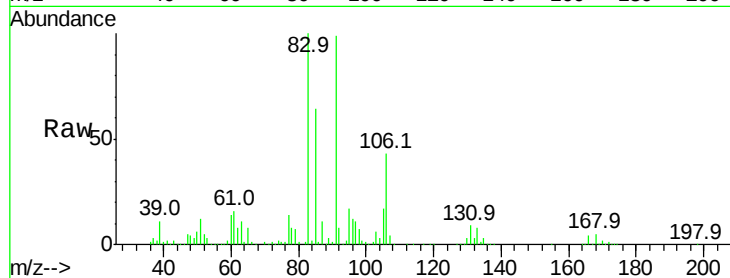
85 66.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#64

n-propylbenzene

Concen: 8.33 ppbv

RT: 15.50 min Scan# 3955

Delta R.T. -0.06 min

Lab File: VL038363.D

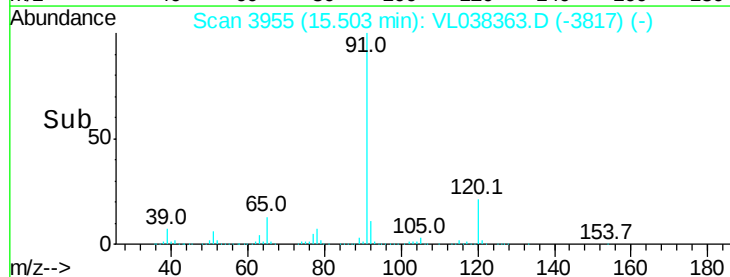
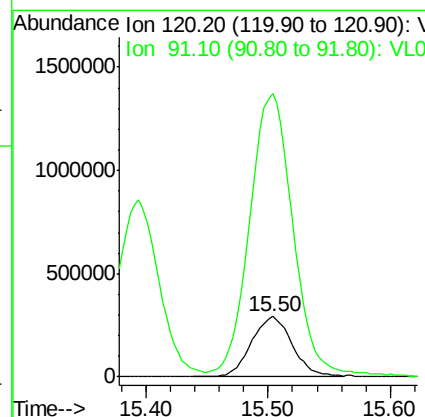
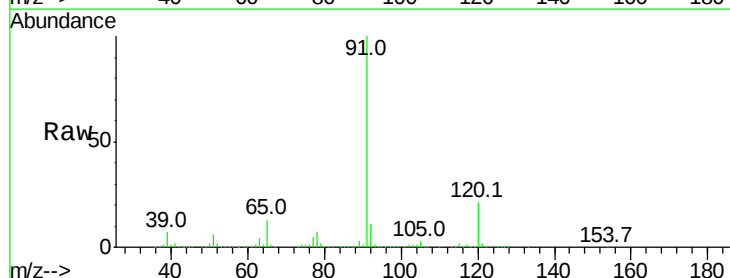
Acq: 16 Feb 2022 11:04

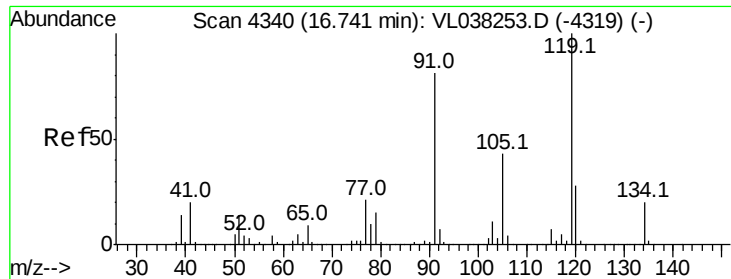
Tgt Ion:120 Resp: 678895

Ion Ratio Lower Upper

120 100

91 500.0 390.8 586.2



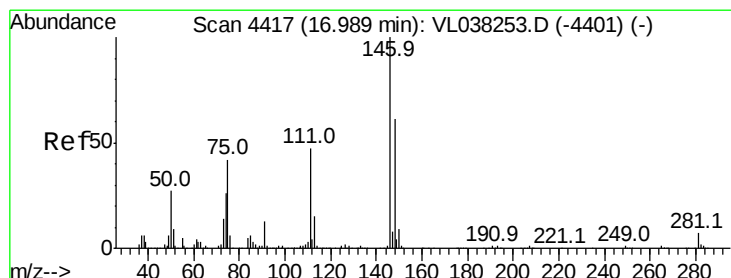
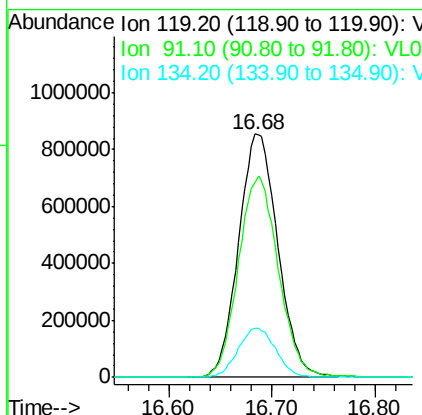
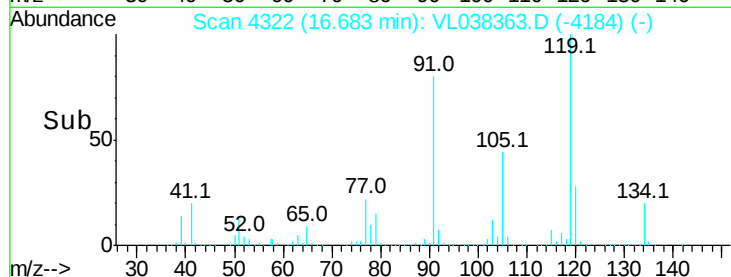
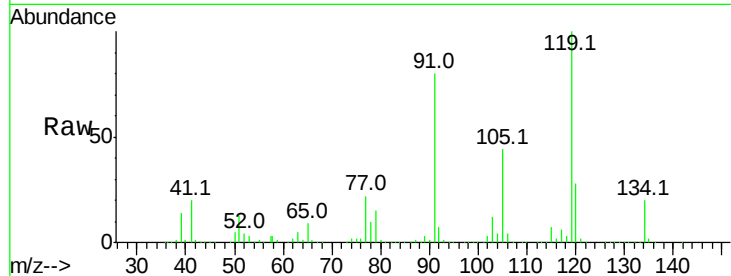


#65
 tert-Butylbenzene
 Concen: 8.10 ppbv
 RT: 16.68 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 16 Feb 2022 11:04

Tgt Ion: 119.1
 Ion Ratio:
 119 100
 91 84.1
 134 19.9

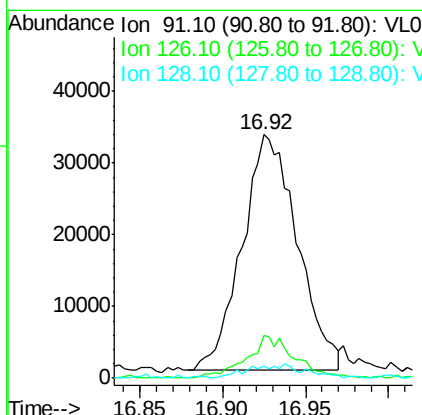
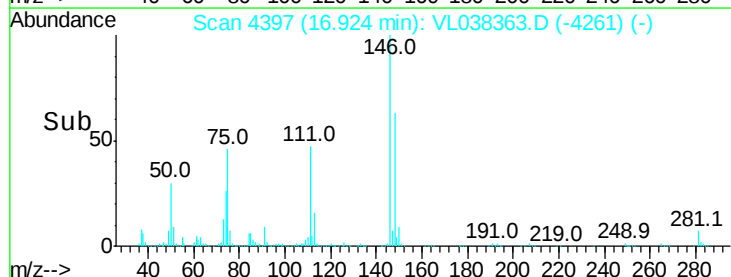
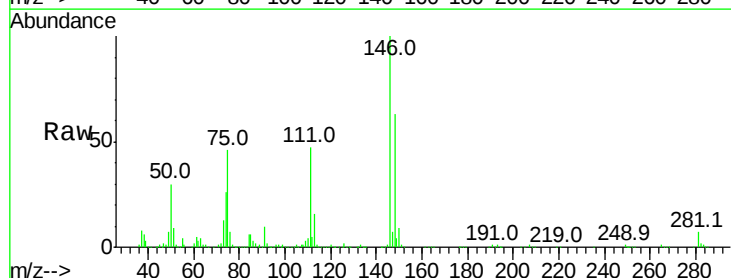
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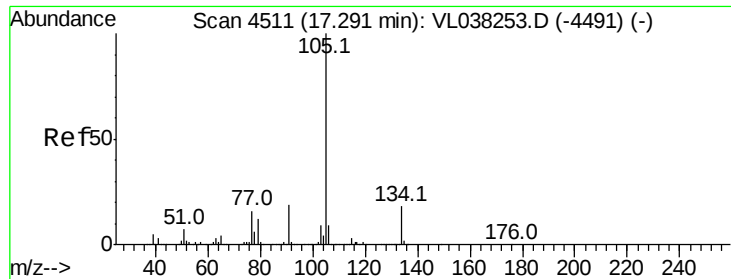
Reviewed By : Semsettin Yesilyurt 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022



#66
 Benzyl Chloride
 Concen: 6.01 ppbv
 RT: 16.92 min Scan# 4397
 Delta R.T.: -0.06 min
 Lab File: VL038363.D
 Acq: 16 Feb 2022 11:04

Tgt Ion: 91 Resp: 76152
 Ion Ratio Lower Upper
 91 100
 126 16.0 12.6 18.8
 128 6.2 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.11 ppbv

RT: 17.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04

Tgt Ion:1

Ion Rati

105 100

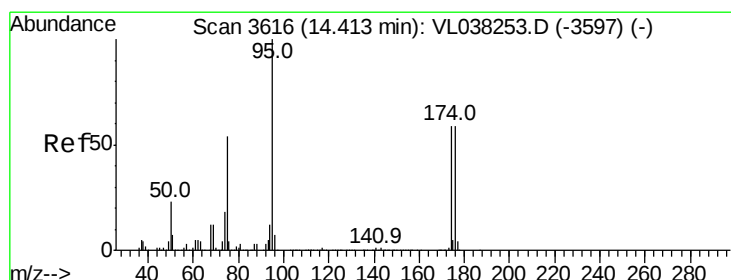
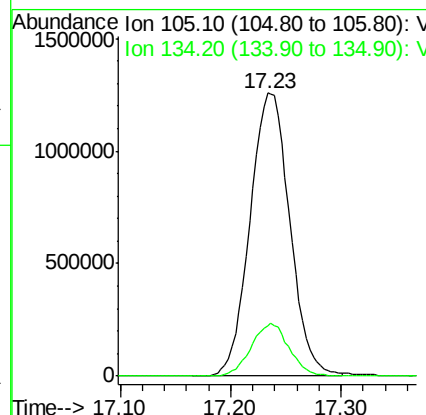
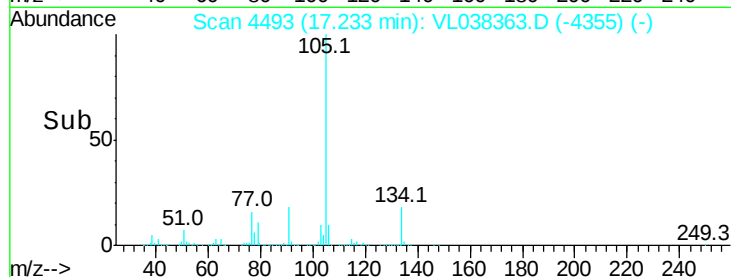
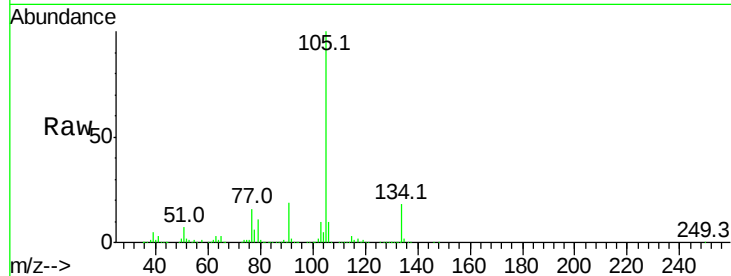
134 17.

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.46 ppbv

RT: 14.35 min Scan# 3597

Delta R.T. -0.06 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

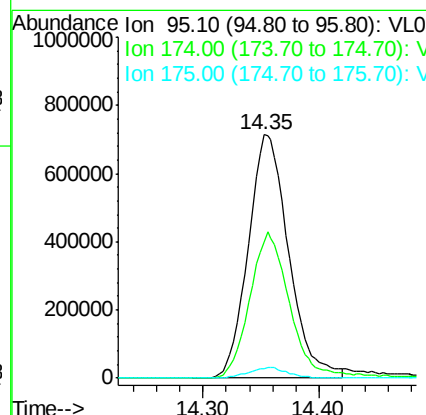
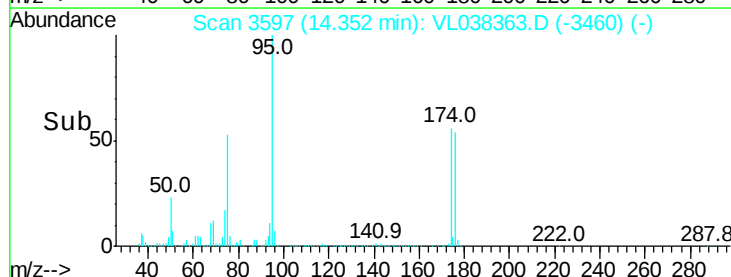
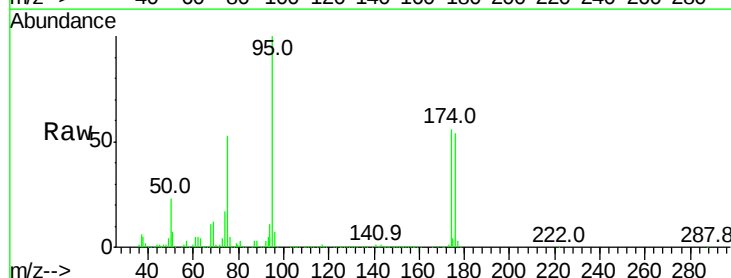
Tgt Ion: 95 Resp: 1730524

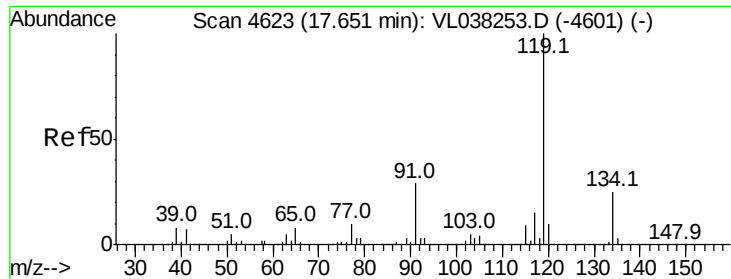
Ion Ratio Lower Upper

95 100

174 60.7 48.3 72.5

175 4.5 3.5 5.3



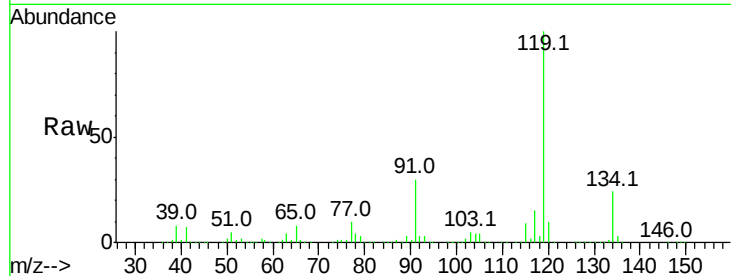


#69
 p-Isopropyltoluene
 Concen: 8.52 ppbv
 RT: 17.59 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 16 Feb 2022 11:04

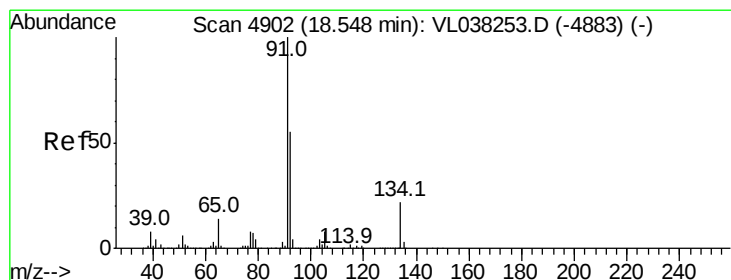
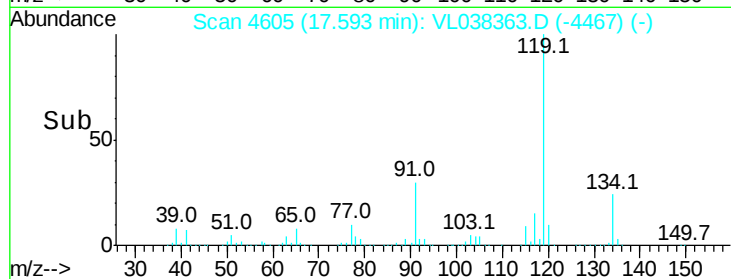
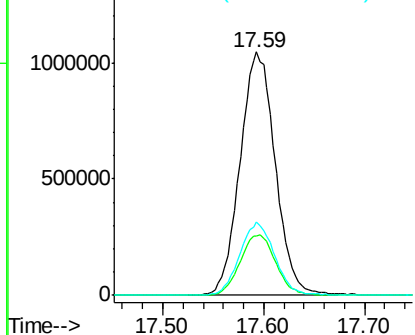
Tgt Ion: 119.1
 Ion Ratio: 100
 119 100
 134 25.1
 91 29.1

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Reviewed By :Semsettin Yesilyurt 02/17/2022
 Supervised By :Mahesh Dadoda 02/21/2022

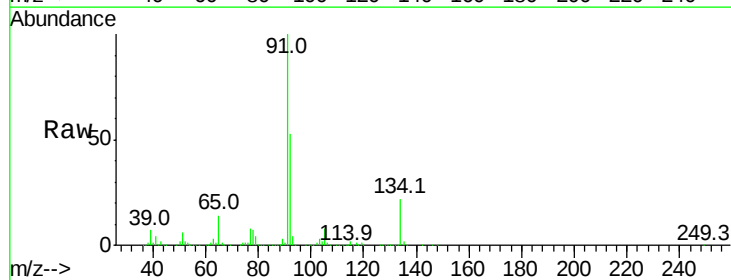


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

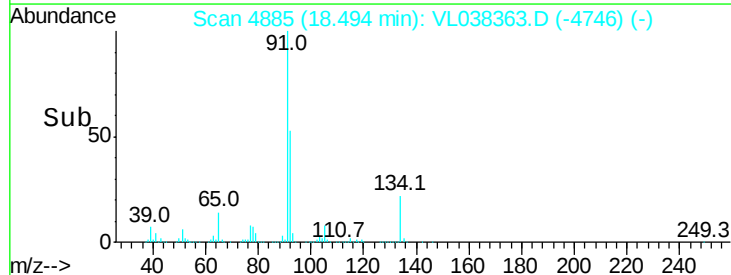
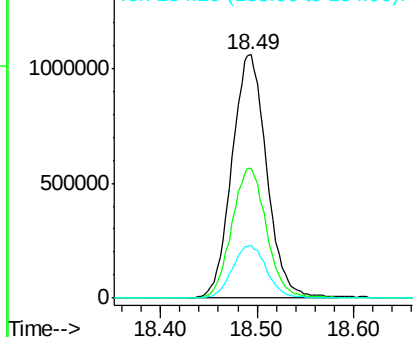


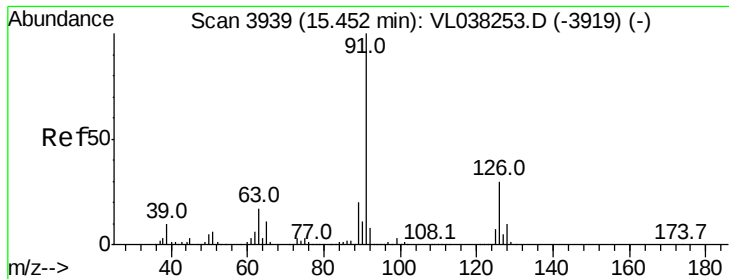
#70
 n-Butylbenzene
 Concen: 9.08 ppbv
 RT: 18.49 min Scan# 4885
 Delta R.T. -0.05 min
 Lab File: VL038363.D
 Acq: 16 Feb 2022 11:04

Tgt Ion: 91 Resp: 2640869
 Ion Ratio Lower Upper
 91 100
 92 53.9 43.4 65.0
 134 21.7 17.3 25.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.07 ppbv

RT: 15.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Feb 2022 11:04

Tgt Ion:

Ion Ratio

91 100

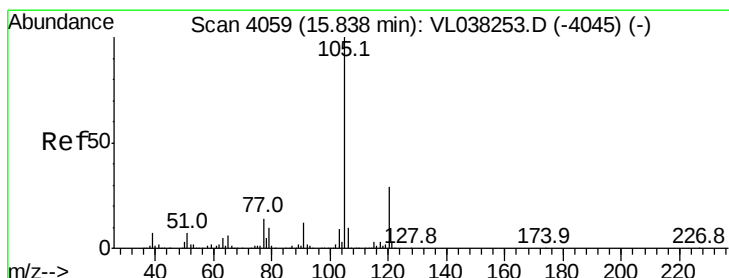
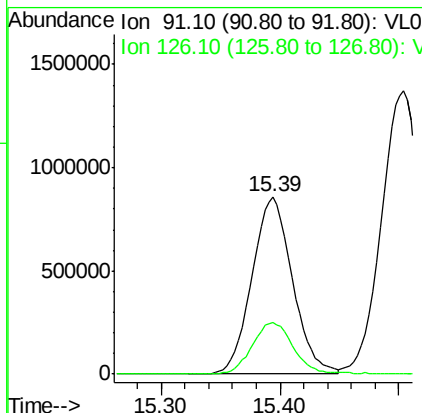
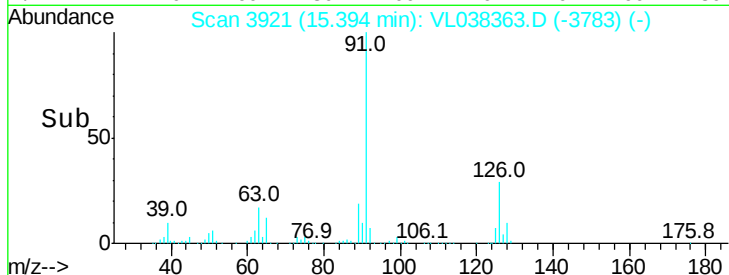
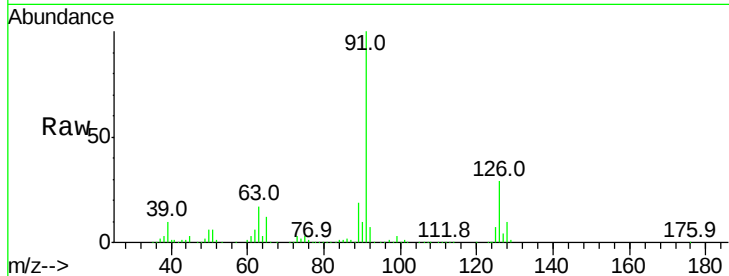
126 30.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#72

4-Ethyltoluene

Concen: 8.48 ppbv

RT: 15.78 min Scan# 4041

Delta R.T. -0.06 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

Tgt Ion:105 Resp: 2253237

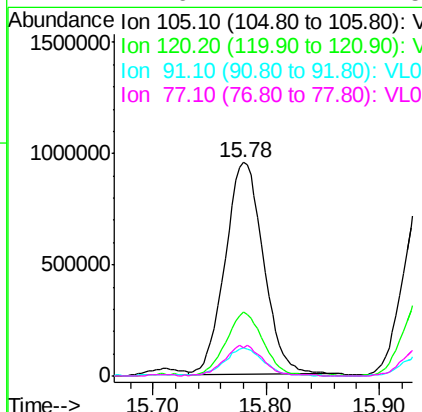
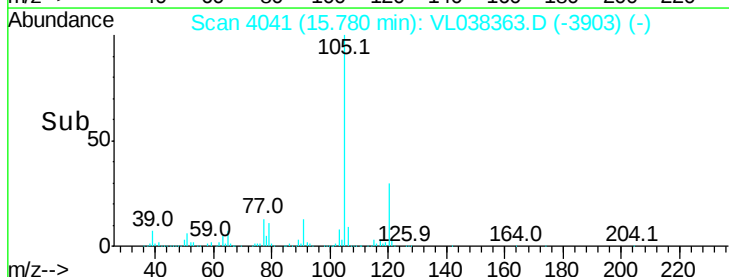
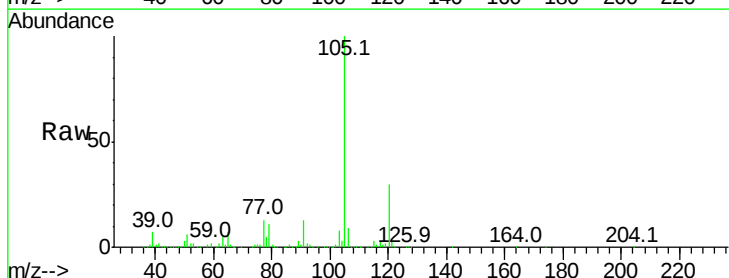
Ion Ratio Lower Upper

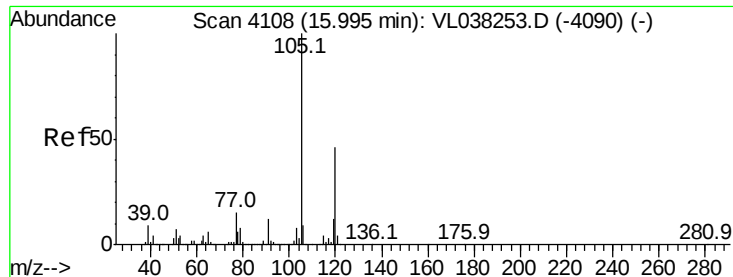
105 100

120 29.3 23.8 35.8

91 12.7 10.2 15.4

77 14.6 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.30 ppbv

RT: 15.94

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04

Tgt Ion:1

Ion Ratio

105 100

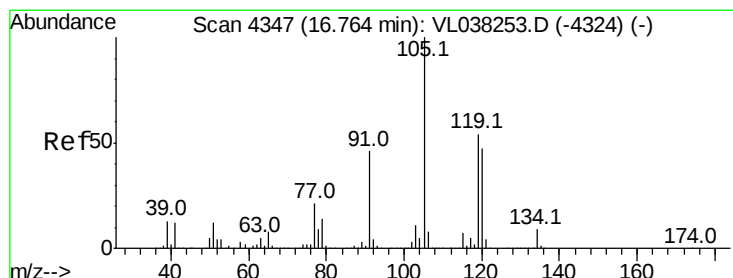
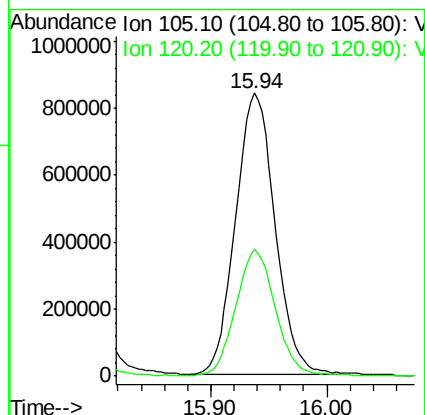
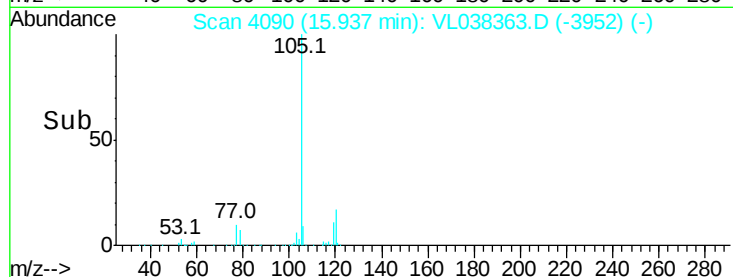
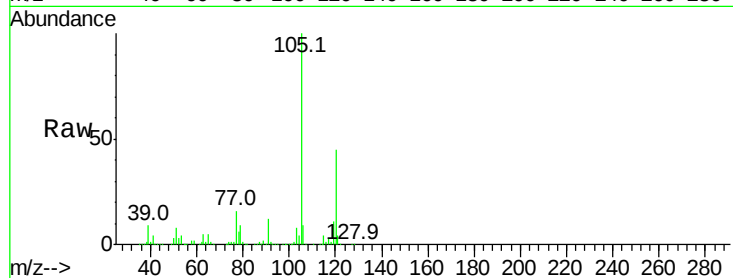
120 45.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#74

1,2,4-Trimethylbenzene

Concen: 8.15 ppbv

RT: 16.70 min Scan# 4328

Delta R.T. -0.06 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

Tgt Ion:105 Resp: 2053236

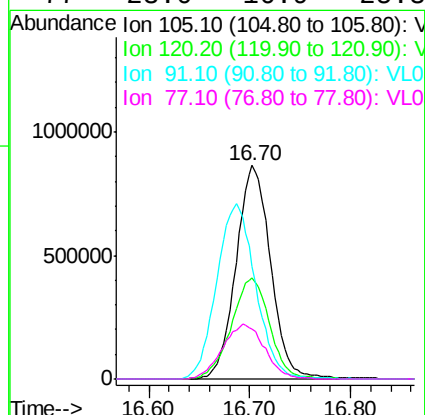
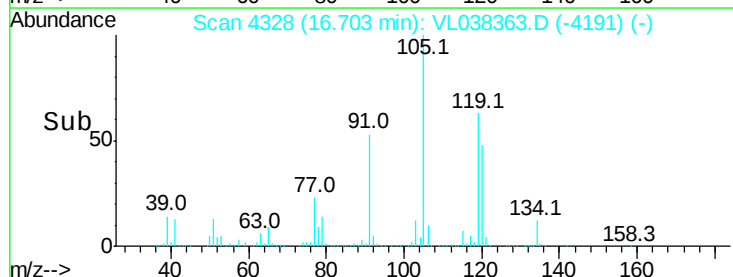
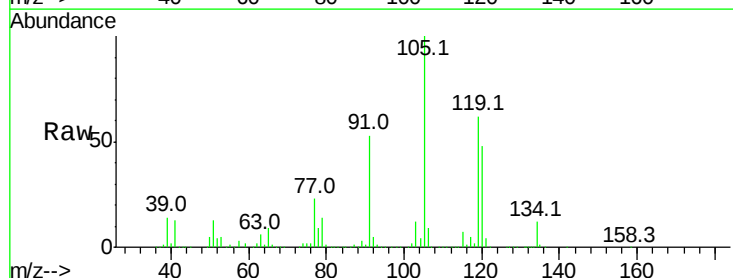
Ion Ratio Lower Upper

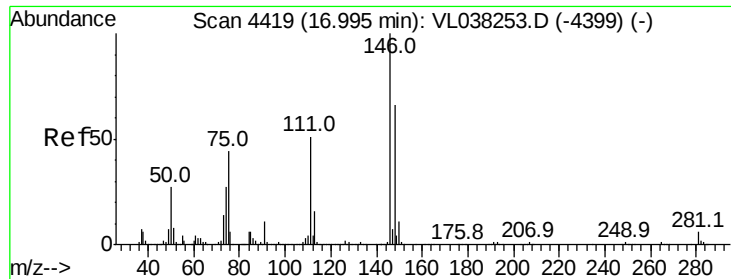
105 100

120 47.4 37.2 55.8

91 52.5 36.6 55.0

77 23.0 16.9 25.3





#75

1,3-Dichlorobenzene

Concen: 8.13 ppbv

RT: 16.94

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04

Tgt Ion:1

Ion Rati

146 100

111 49.

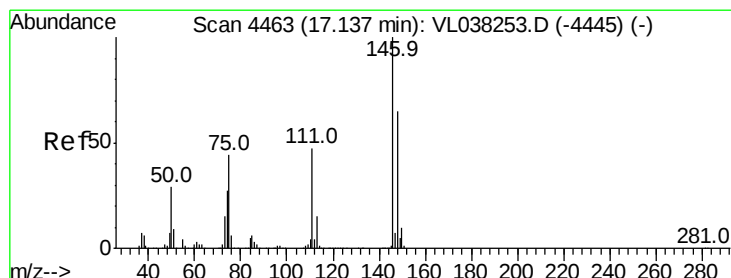
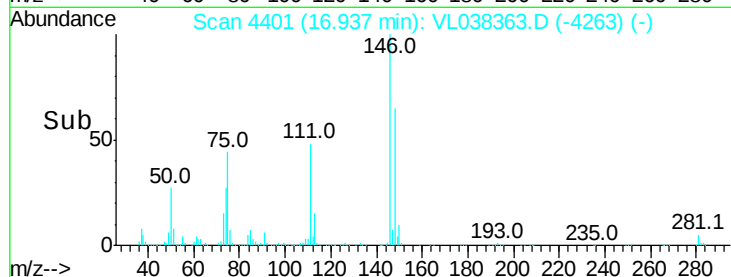
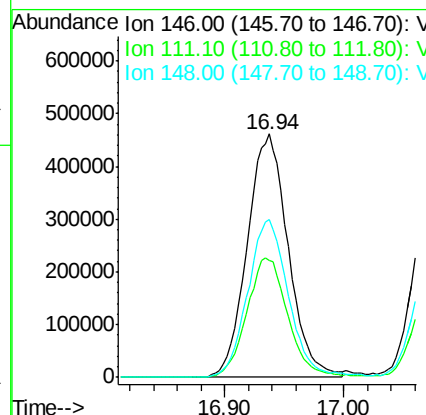
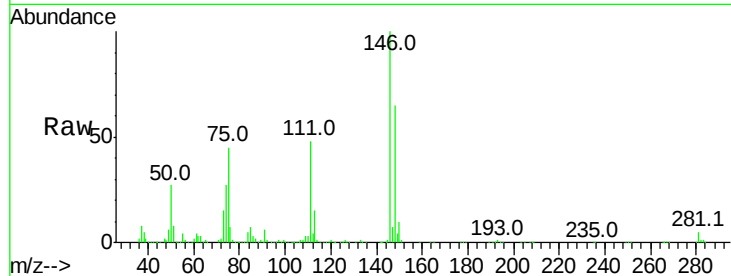
148 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/17/2022

Supervised By :Mahesh Dadoda 02/21/2022



#76

1,4-Dichlorobenzene

Concen: 8.00 ppbv

RT: 17.08 min Scan# 4444

Delta R.T. -0.06 min

Lab File: VL038363.D

Acq: 16 Feb 2022 11:04

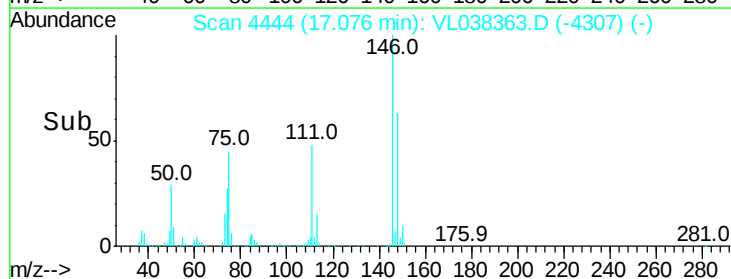
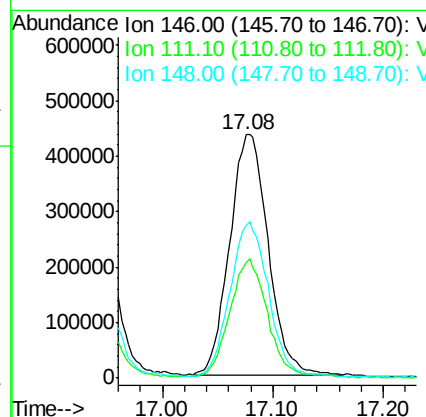
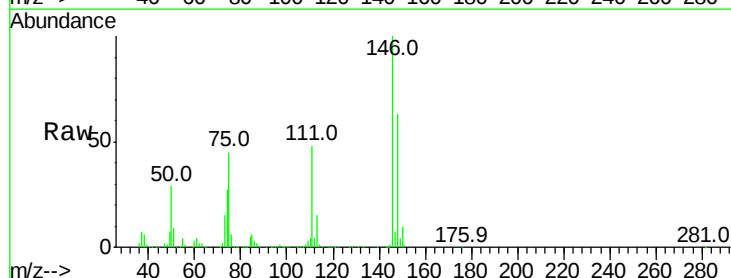
Tgt Ion:146 Resp: 1047290

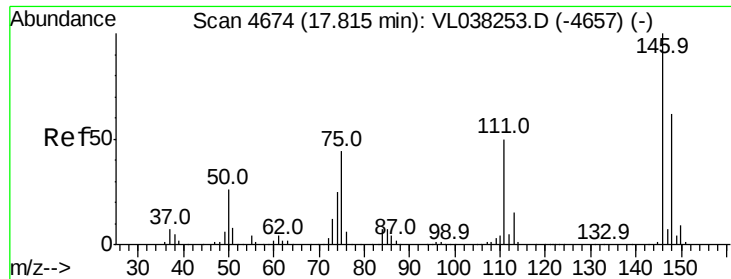
Ion Ratio Lower Upper

146 100

111 49.4 23.2 69.6

148 66.2 32.4 97.0





#77

1,2-Dichlorobenzene

Concen: 8.28 ppbv

RT: 17.76

Delta R.T. MSVOA_L

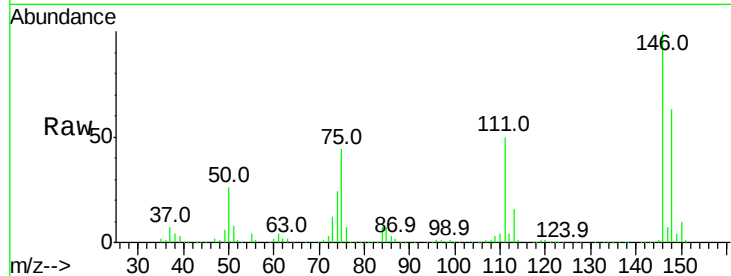
Lab File: ClientSampleId :

Acq: 16 Feb 2022 11:04

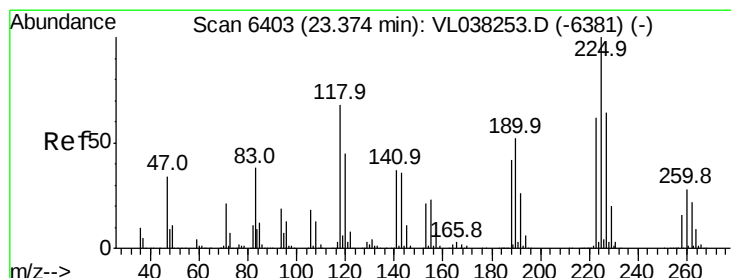
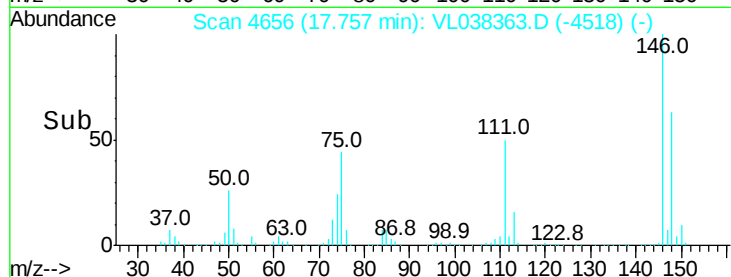
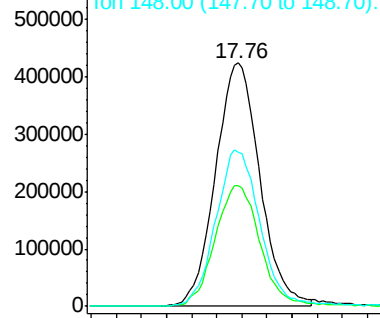
Tgt Ion:1
Ion Rati
146 100
111 51.
148 64.

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Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.83 ppbv m

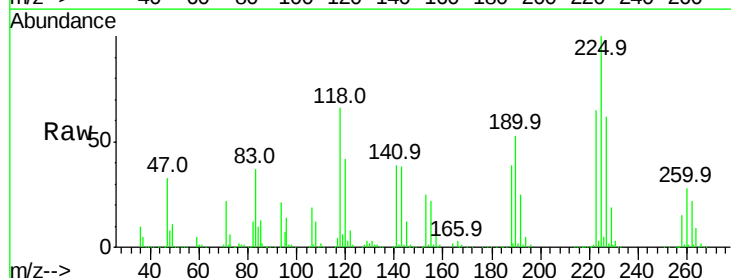
RT: 23.31 min Scan# 6384

Delta R.T. -0.06 min

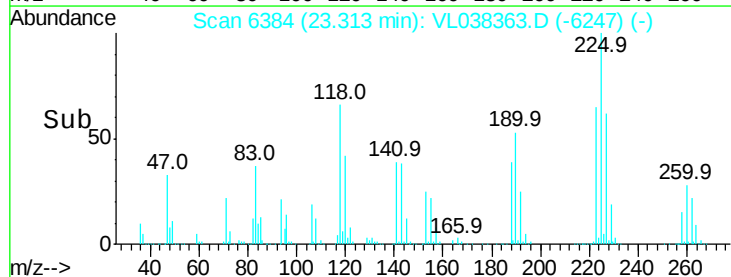
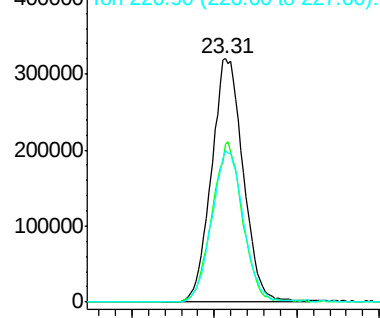
Lab File: VL038363.D

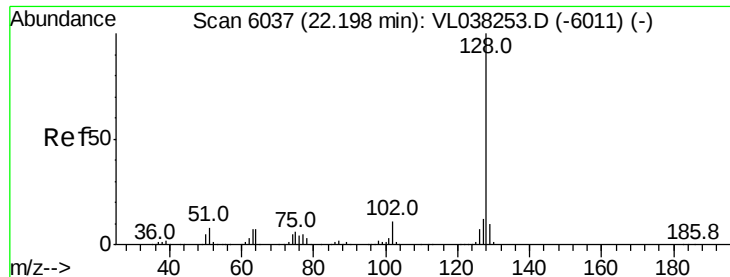
Acq: 16 Feb 2022 11:04

Tgt Ion:225 Resp: 857863
Ion Ratio Lower Upper
225 100
223 0.0 51.7 77.5#
227 62.6 51.4 77.0



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



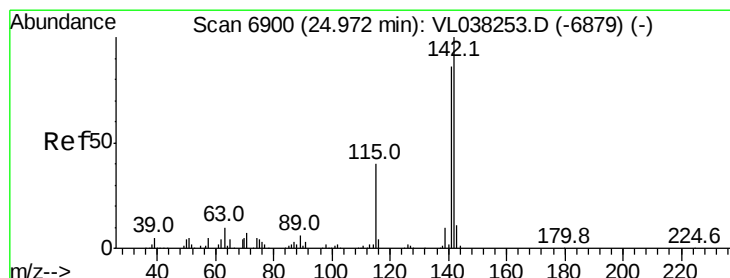
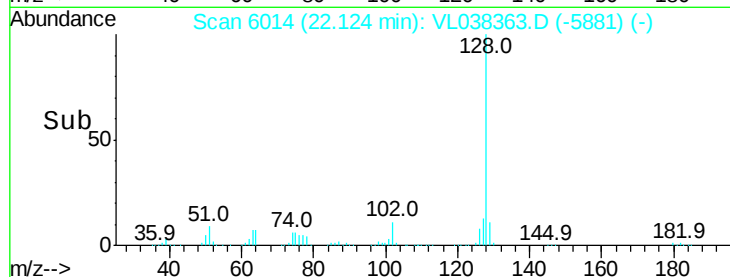
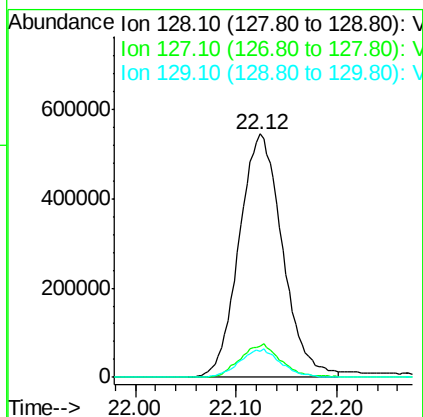
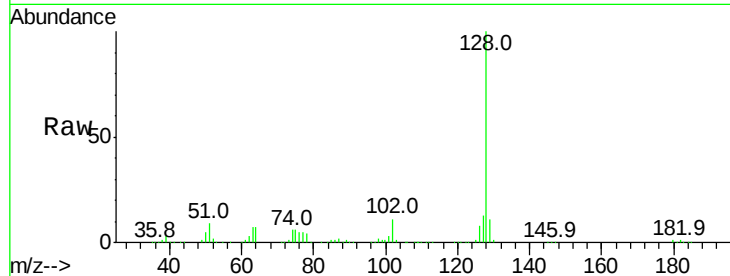


#79
Naphthalene
Concen: 13.75 ppbv
RT: 22.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Feb 2022 11:04

Tgt Ion:1
Ion Ratio
128 100
127 12.
129 10.

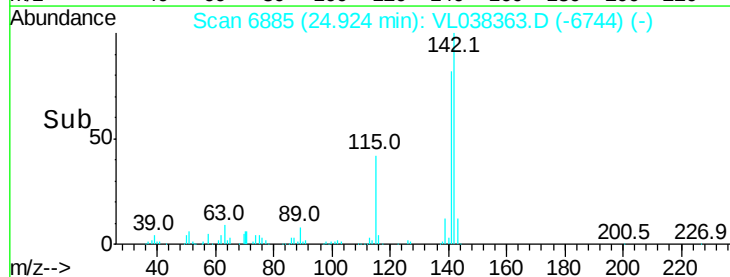
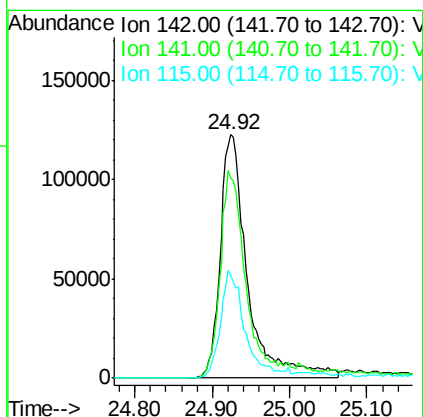
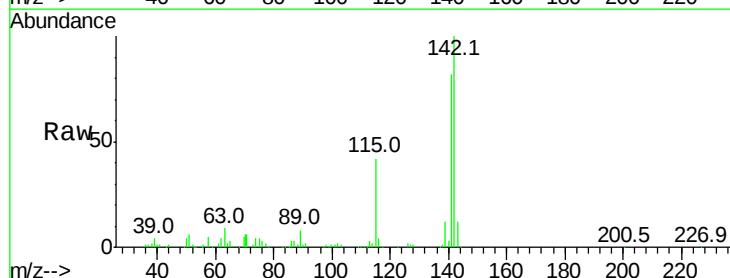
Manual Integrations
APPROVED

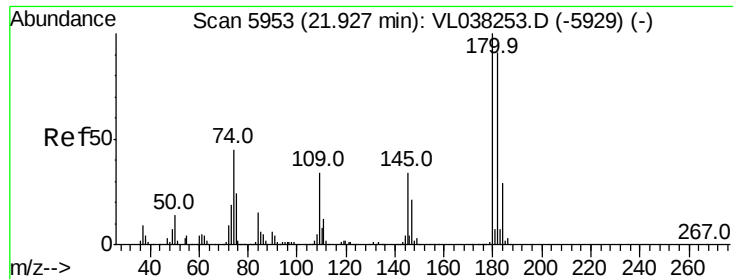
Reviewed By :Semsettin Yesilyurt 02/17/2022
Supervised By :Mahesh Dadoda 02/21/2022



#80
Naphthalene,2-methyl-
Concen: 23.64 ppbv
RT: 24.92 min Scan# 6885
Delta R.T. -0.05 min
Lab File: VL038363.D
Acq: 16 Feb 2022 11:04

Tgt Ion:142 Resp: 302733
Ion Ratio Lower Upper
142 100
141 88.3 70.2 105.4
115 44.6 31.8 47.6





#81
 1,2,4-Trichlorobenzene
 Concen: 12.60 ppbv
 RT: 21.85
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 16 Feb 2022 11:04

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

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2022
 Supervised By :Mahesh Dadoda 02/21/2022

