

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102521\
 Data File : VL037901.D
 Acq On : 25 Oct 2021 19:55
 Operator : SY/AP
 Sample : M4068-15 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 MDL-AIR-03-QT4-2021

Manual Integrations
 APPROVED

Quant Time: Oct 27 12:10:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1367256	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	4217214	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3558742	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2533693	10.18	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	106837	0.489 ppbv	97
3) Chlorodifluoromethane	3.00	51	128598	0.490 ppbv	97
4) Chloromethane	3.15	50	45535	0.473 ppbv #	88
5) Vinyl Chloride	3.28	62	44068m	0.500 ppbv	
6) Bromomethane	3.49	94	24742m	0.519 ppbv	
7) Chloroethane	3.57	64	16583m	0.511 ppbv	
8) Dichlorotetrafluoroethane	3.20	85	103343	0.479 ppbv	92
9) Propene	3.02	41	35833	0.371 ppbv	87
10) Heptane	8.14	43	77010m	0.351 ppbv	
11) Trichlorofluoromethane	3.96	101	97013	0.498 ppbv #	82
12) 1,1,2-Trichlorotrifluoroet	4.49	101	64788	0.439 ppbv	86
13) Ethanol	3.64	45	4126m	0.522 ppbv	
14) Bromoethene	3.76	108	30244m	0.466 ppbv	
15) Acetone	3.90	43	62810m	0.512 ppbv	
16) 1,3-Butadiene	3.34	39	42947m	0.481 ppbv	
17) tert-Butyl alcohol	4.33	59	50780m	0.402 ppbv	
18) 1,1-Dichloroethene	4.31	96	32072	0.478 ppbv #	77
19) Isopropyl Alcohol	4.00	45	34798m	0.456 ppbv	
20) Methylene Chloride	4.36	84	37412	0.603 ppbv	84
21) Allyl Chloride	4.42	41	51706m	0.476 ppbv	
22) trans-1,2-Dichloroethene	4.90	96	26644	0.395 ppbv	85
23) Vinyl Acetate	5.10	43	66665	0.362 ppbv #	89
24) 1,1-Dichloroethane	5.03	63	57868	0.432 ppbv	99
25) Ethyl Acetate	5.71	43	134808	0.391 ppbv #	91
26) Hexane	5.70	57	61809	0.364 ppbv #	73
27) Carbon Disulfide	4.57	76	61973m	0.412 ppbv	
28) Methyl tert-Butyl Ether	5.06	73	71719m	0.508 ppbv	
29) Chloroform	5.77	83	112821	0.465 ppbv	87
30) Cyclohexane	7.15	84	61152m	0.425 ppbv	
31) cis-1,2-Dichloroethene	5.57	61	51817	0.337 ppbv #	87
32) 1,1,1-Trichloroethane	6.52	97	99762m	0.434 ppbv	
34) 2-Butanone	5.28	43	60232m	0.354 ppbv	
35) Carbon Tetrachloride	7.03	117	103211m	0.431 ppbv	
36) Benzene	6.91	78	122941	0.341 ppbv #	91
37) 1,2-Dichloroethane	6.32	62	70197m	0.414 ppbv	
38) Trichloroethene	7.85	130	51332m	0.361 ppbv	
39) 1,2-Dichloropropane	7.63	63	54147m	0.400 ppbv	
40) 1,4-Dioxane	7.90	88	13090m	0.386 ppbv	
41) Tetrahydrofuran	6.10	42	23102m	0.277 ppbv	
42) Bromodichloromethane	7.81	83	92672	0.372 ppbv	90
43) Methyl Methacrylate	8.04	69	30093m	0.256 ppbv	

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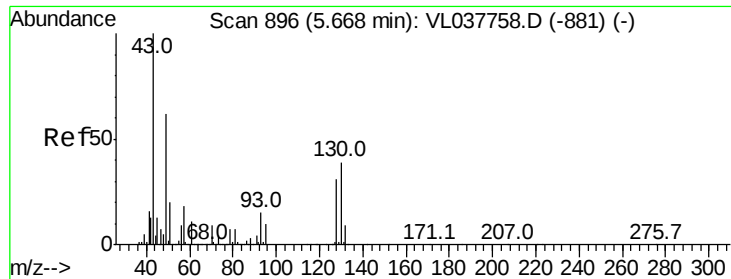
Manual Integrations
 APPROVED

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 Supervised By :Mahesh Dadoda 10/27/2021

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	206112	0.341	ppbv	# 90
45) t-1,3-Dichloropropene	9.30	75	20601m	0.254	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	31991m	0.285	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	59054m	0.401	ppbv	
48) Dibromochloromethane	10.32	129	71095m	0.339	ppbv	
49) Bromoform	13.06	173	52248m	0.325	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	62791m	0.283	ppbv	
51) 2-Hexanone	10.18	43	25162m	0.254	ppbv	
52) Tetrachloroethene	11.24	164	47181m	0.337	ppbv	
53) Toluene	9.82	91	103002m	0.258	ppbv	
54) 1,2-Dibromoethane	10.63	107	66195m	0.333	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	66092	0.449	ppbv	# 1
57) Chlorobenzene	12.16	112	128333	0.440	ppbv	# 89
58) Ethyl Benzene	12.73	91	128475	0.269	ppbv	98
59) m/p-Xylene	13.02	91	275408m	0.671	ppbv	
60) o-Xylene	13.70	91	129000m	0.328	ppbv	
61) Styrene	13.54	104	38412m	0.202	ppbv	
62) Isopropylbenzene	14.68	105	196253	0.358	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	129349	0.426	ppbv	95
64) n-propylbenzene	15.57	120	46405m	0.339	ppbv	
65) tert-Butylbenzene	16.76	119	172719m	0.358	ppbv	
66) Benzyl Chloride	17.00	91	6839m	0.287	ppbv	
67) sec-Butylbenzene	17.32	105	237128m	0.359	ppbv	
69) p-Isopropyltoluene	17.67	119	169565m	0.318	ppbv	
70) n-Butylbenzene	18.57	91	138585	0.273	ppbv	98
71) 2-Chlorotoluene	15.47	91	125505	0.324	ppbv	99
72) 4-Ethyltoluene	15.86	105	120272	0.269	ppbv	# 89
73) 1,3,5-Trimethylbenzene	16.01	105	127274	0.314	ppbv	91
74) 1,2,4-Trimethylbenzene	16.77	105	162460m	0.382	ppbv	
75) 1,3-Dichlorobenzene	17.01	146	108352m	0.411	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	98951m	0.393	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	90953	0.359	ppbv	91
78) Hexachloro-1,3-Butadiene	23.39	225	92833	0.449	ppbv	95
79) Naphthalene	22.22	128	52096m	0.200	ppbv	
80) Naphthalene,2-methyl-	25.00	142	3690	0.053	ppbv	# 72
81) 1,2,4-Trichlorobenzene	21.94	180	46945m	0.281	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

49 100

128 56.

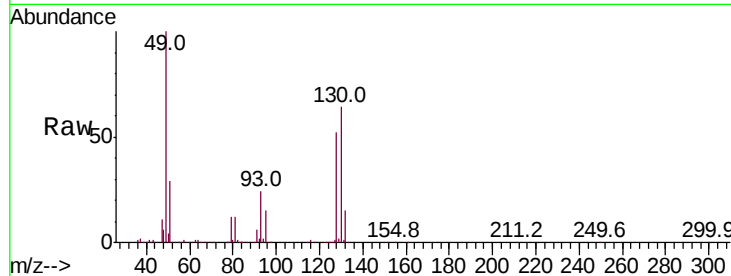
130 71.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/27/2021



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68

800000

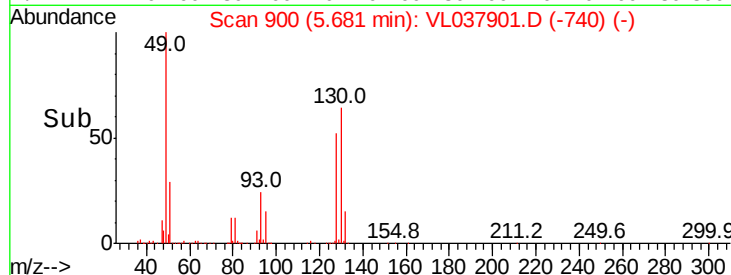
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400000

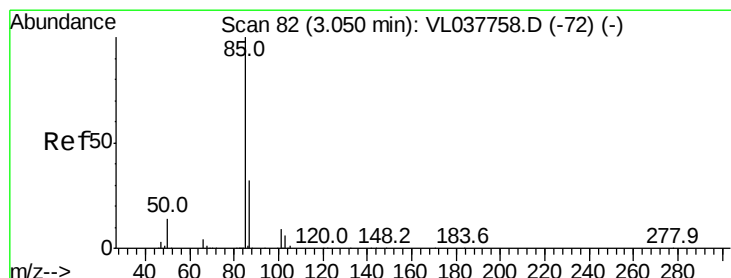
200000

0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 0.489 ppbv

RT: 3.07 min Scan# 87

Delta R.T. 0.02 min

Lab File: VL037901.D

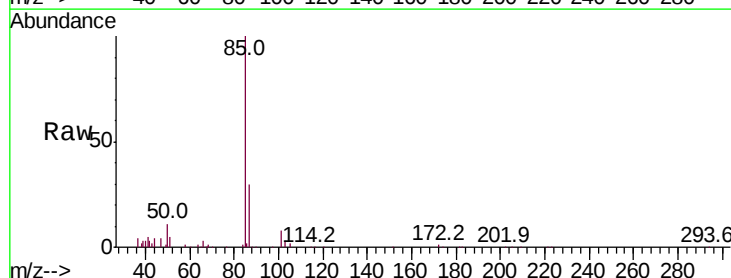
Acq: 25 Oct 2021 19:55

Tgt Ion: 85 Resp: 106837

Ion Ratio Lower Upper

85 100

87 30.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

80000

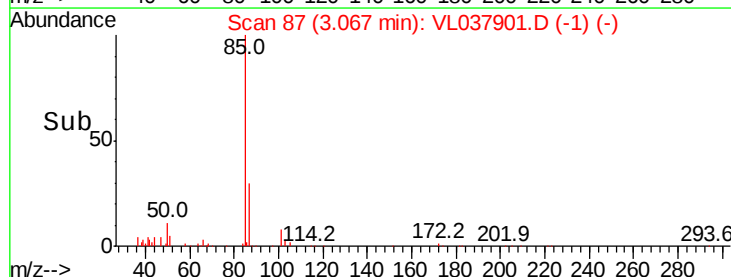
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40000

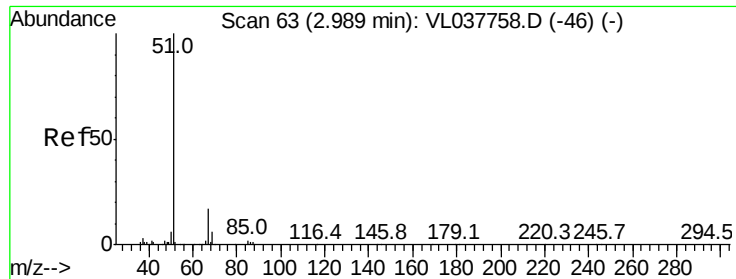
20000

0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 0.490 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

51 100

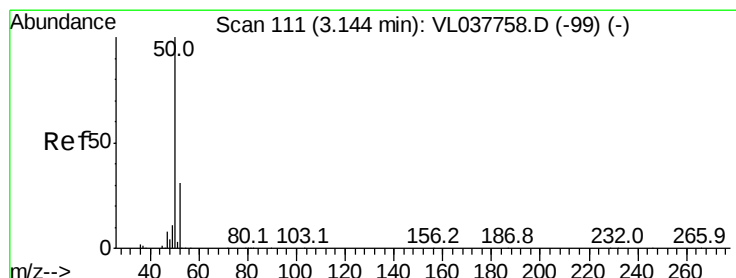
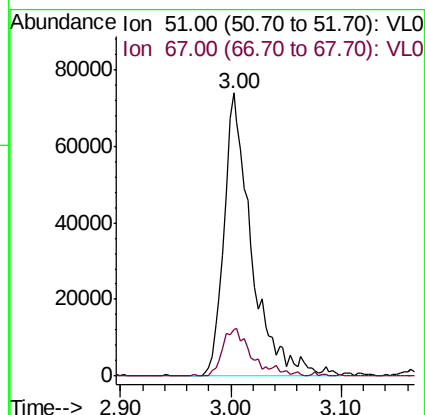
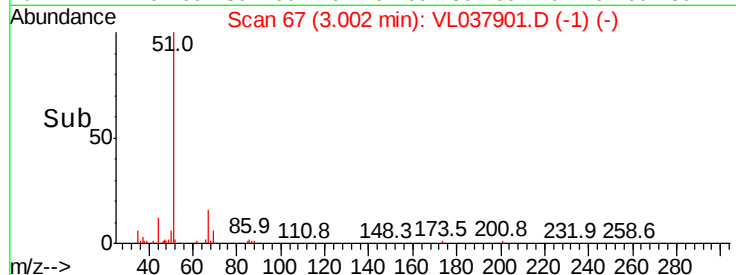
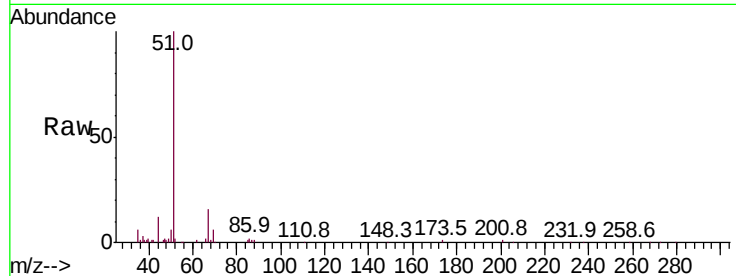
67 18.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#4

Chloromethane

Concen: 0.473 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL037901.D

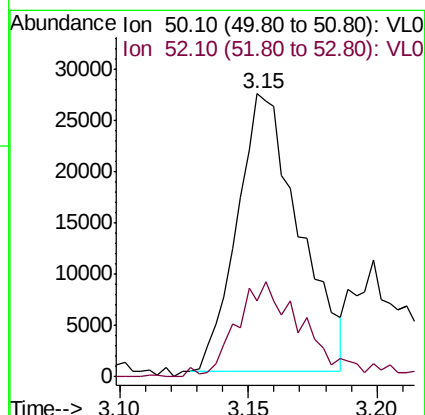
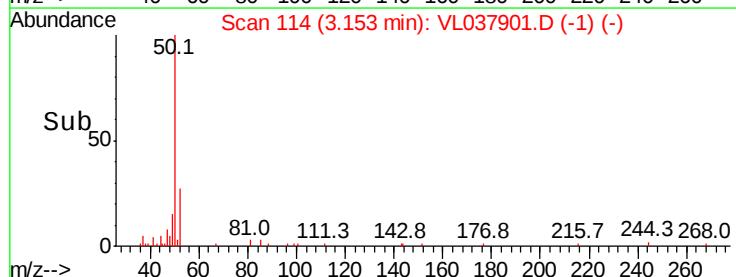
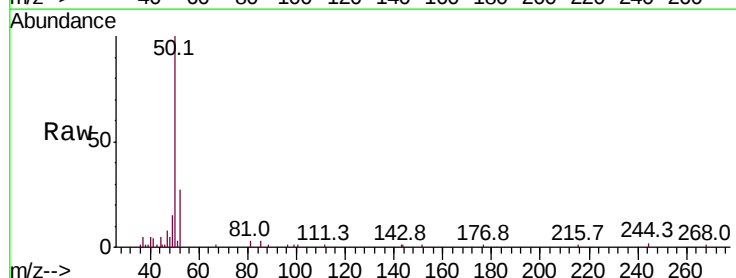
Acq: 25 Oct 2021 19:55

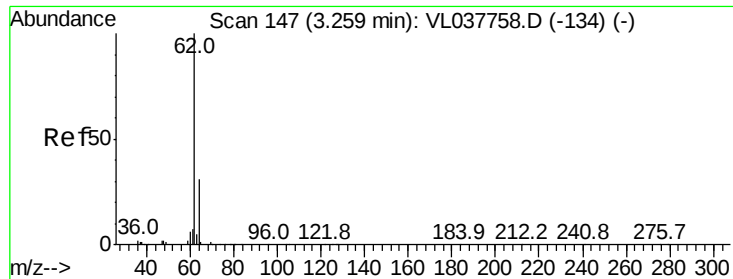
Tgt Ion: 50 Resp: 45535

Ion Ratio Lower Upper

50 100

52 23.7 24.4 36.6#





#5

Vinyl Chloride

Concen: 0.500 ppbv m

RT: 3.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

62 100

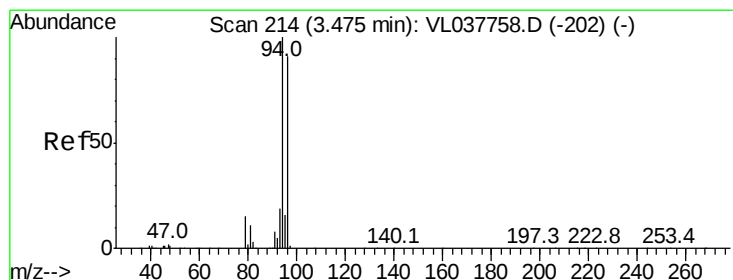
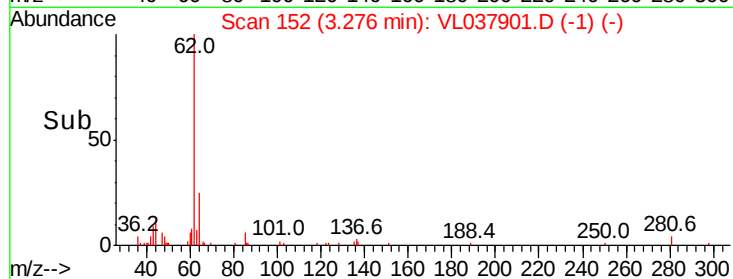
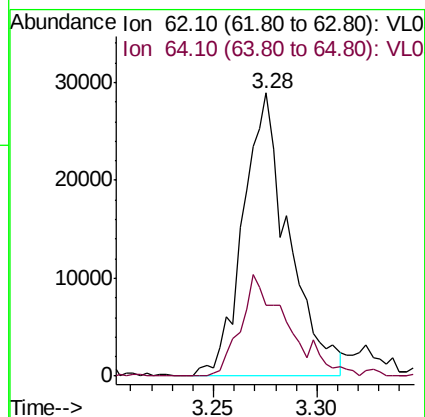
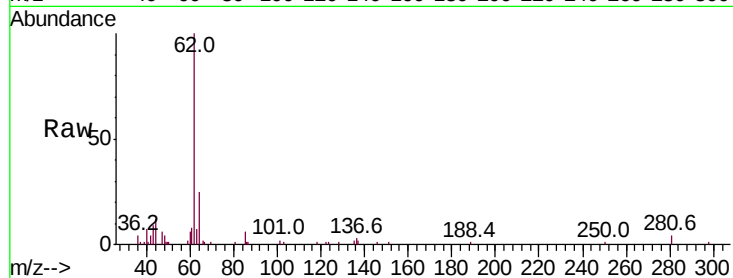
64 25.

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 10/27/2021



#6

Bromomethane

Concen: 0.519 ppbv m

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL037901.D

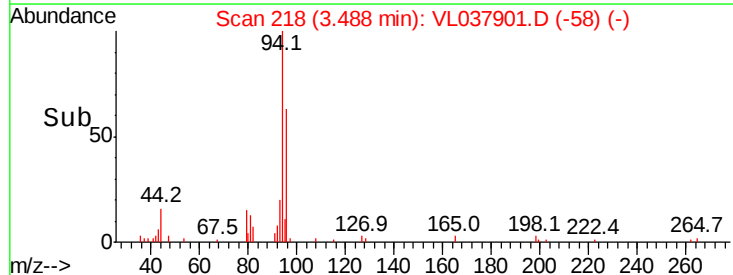
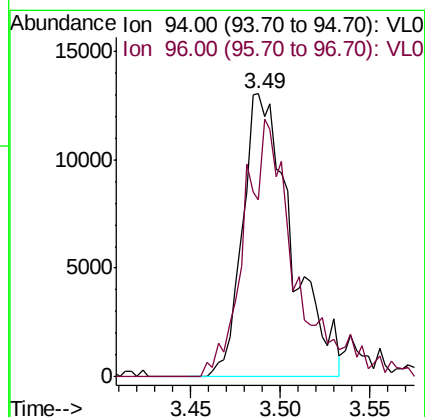
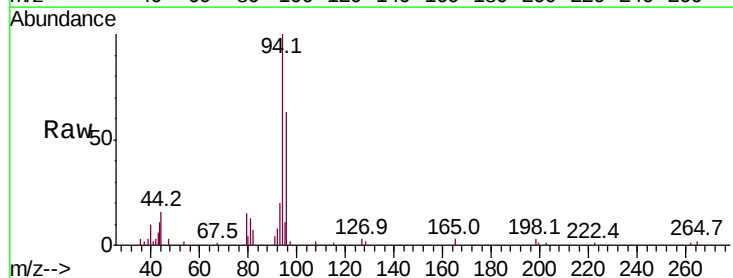
Acq: 25 Oct 2021 19:55

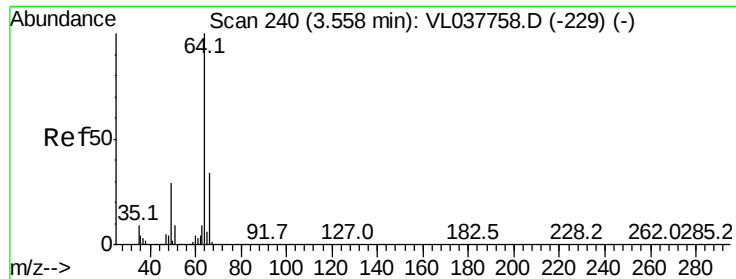
Tgt Ion: 94 Resp: 24742

Ion Ratio Lower Upper

94 100

96 62.8 72.5 108.7#





#7

Chloroethane

Concen: 0.511 ppbv m

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

64 100

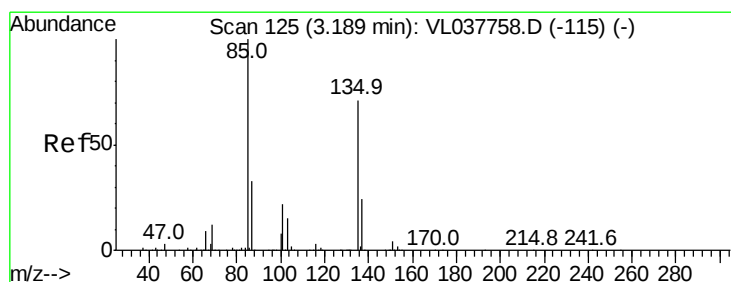
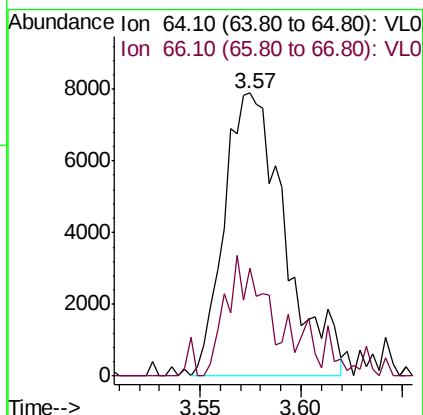
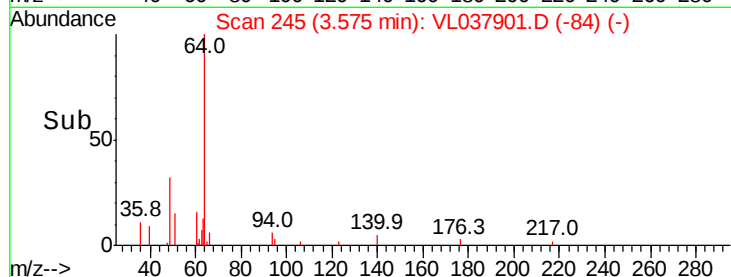
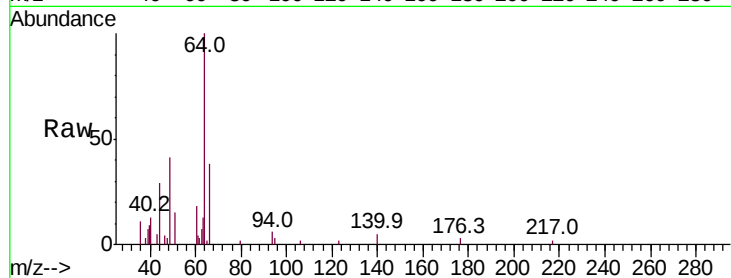
66 38.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/27/2021



#8

Dichlorotetrafluoroethane

Concen: 0.479 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.02 min

Lab File: VL037901.D

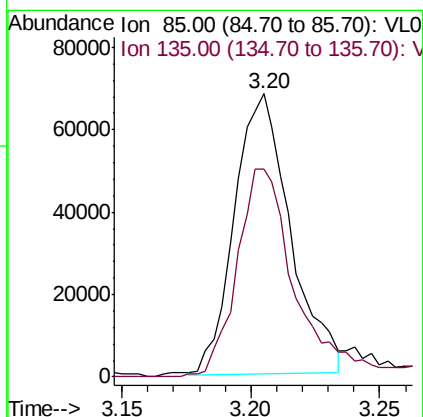
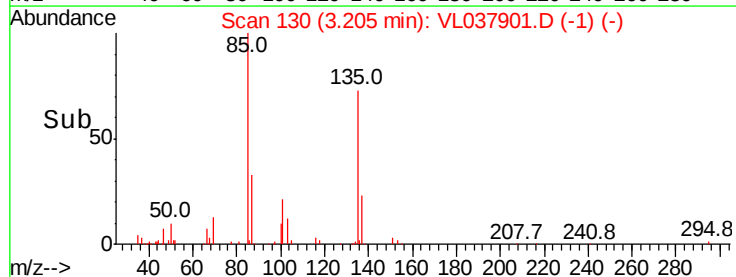
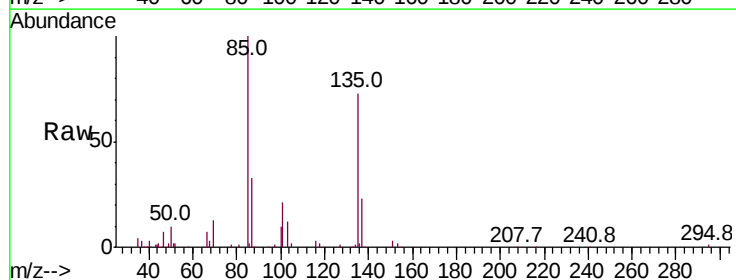
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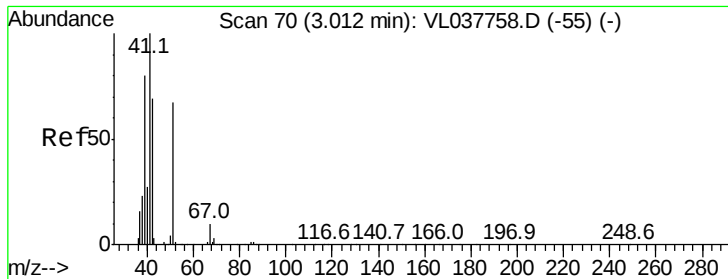
Tgt Ion: 85 Resp: 103343

Ion Ratio Lower Upper

85 100

135 81.1 59.5 89.3





#9

Propene

Concen: 0.371 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

41 100

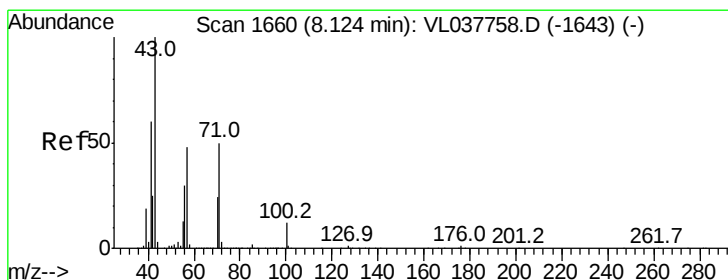
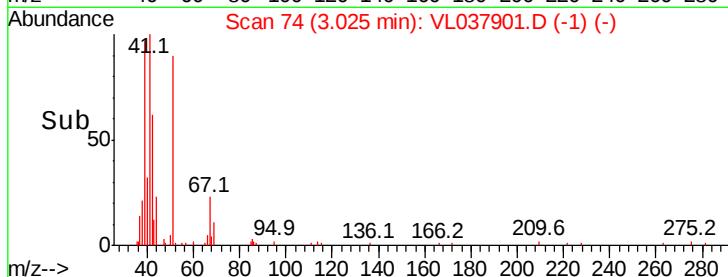
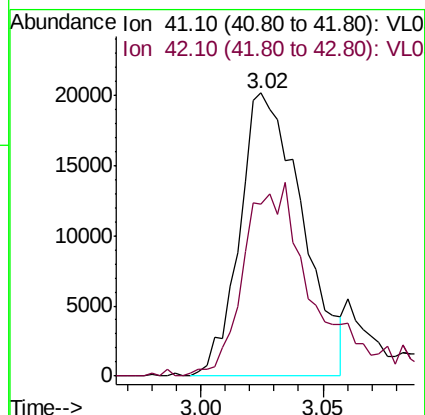
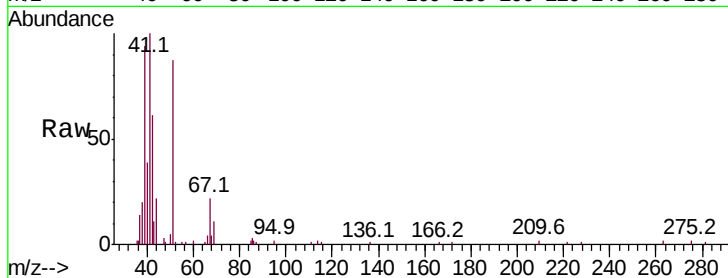
42 78.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/27/2021



#10

Heptane

Concen: 0.351 ppbv m

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL037901.D

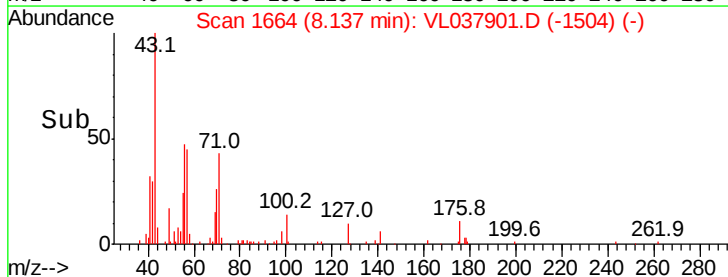
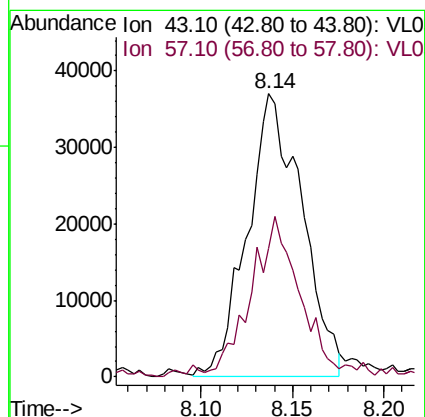
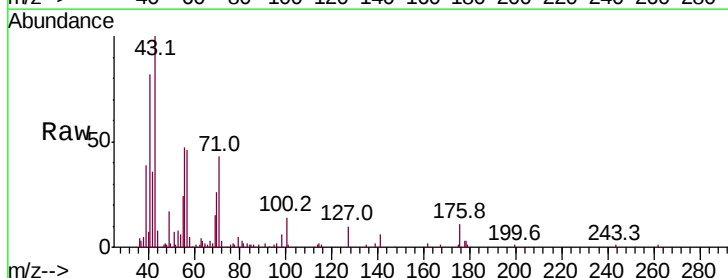
Acq: 25 Oct 2021 19:55

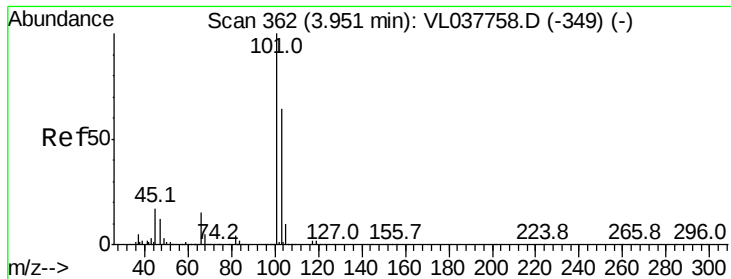
Tgt Ion: 43 Resp: 77010

Ion Ratio Lower Upper

43 100

57 54.5 40.0 60.0



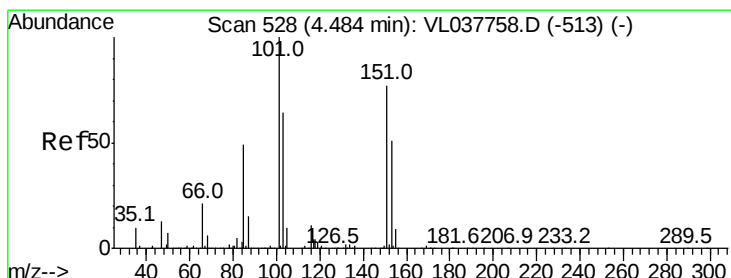
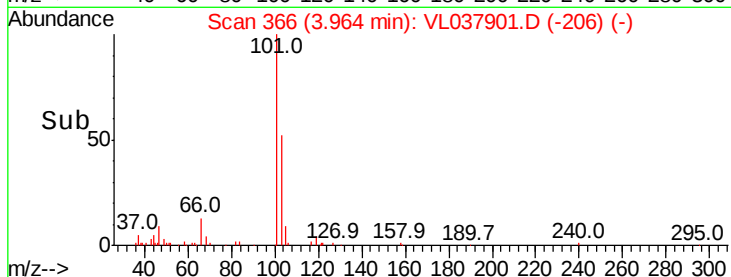
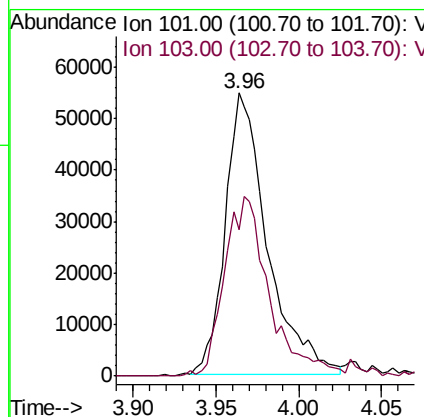
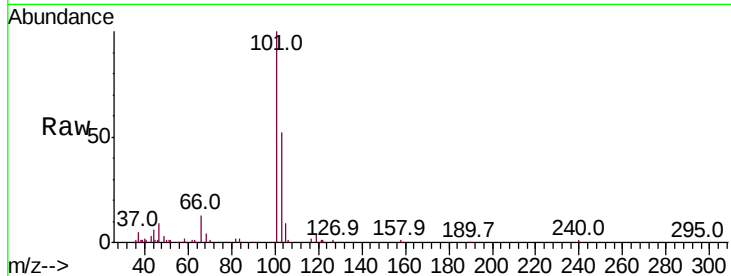


#11
 Trichlorofluoromethane
 Concen: 0.498 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 19:55

Tot Ion:1
 Ion Ratio
 101 100
 103 50.

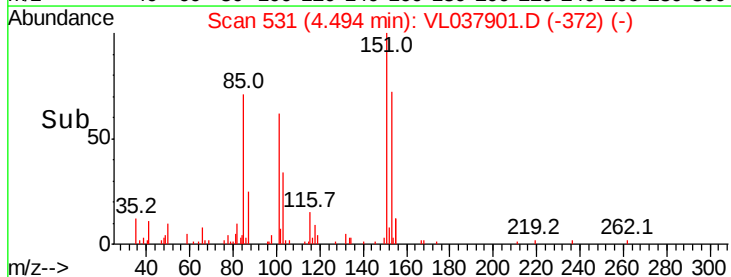
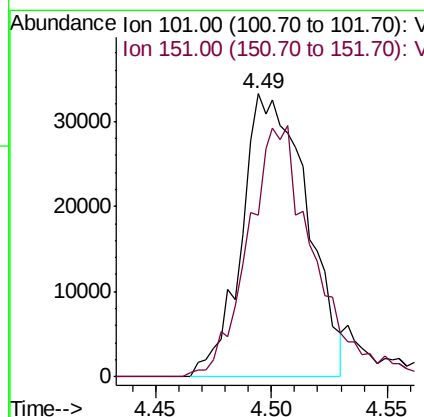
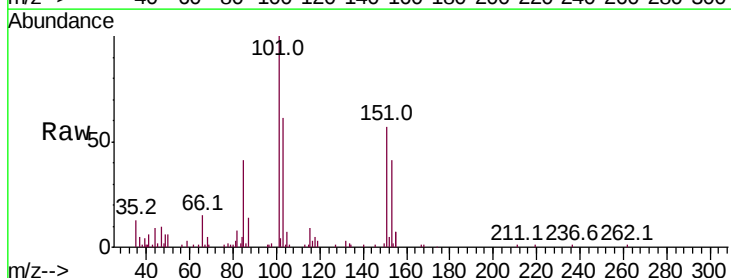
Manual Integrations
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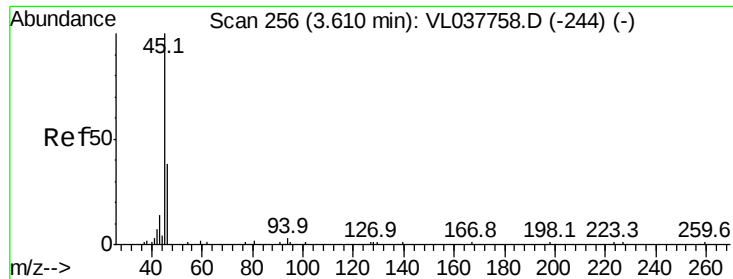
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.439 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL037901.D
 Acq: 25 Oct 2021 19:55

Tgt Ion:101 Resp: 64788
 Ion Ratio Lower Upper
 101 100
 151 90.4 62.9 94.3





#13

Ethanol

Concen: 0.522 ppbv m

RT: 3.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

45 100

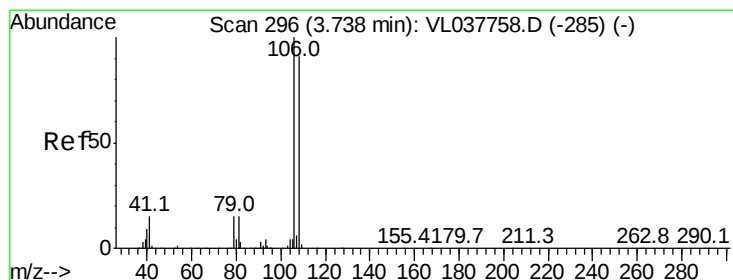
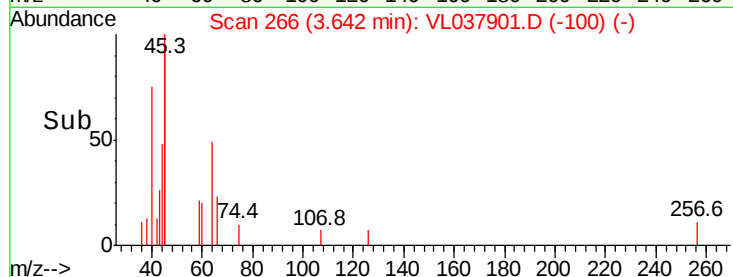
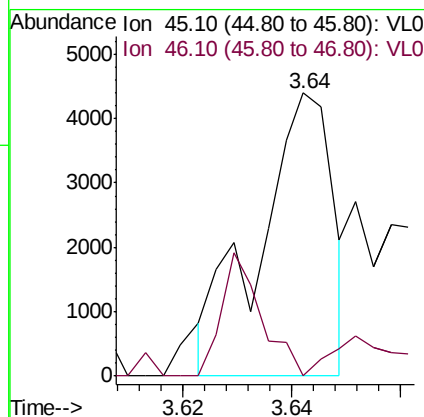
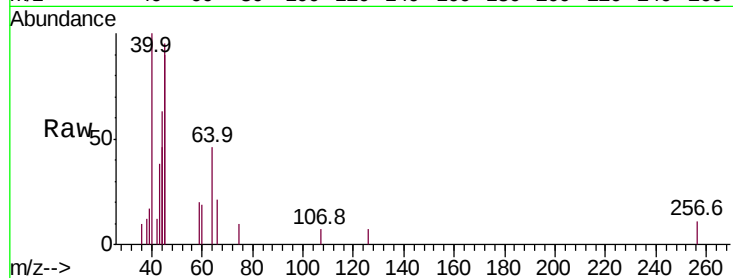
46 35.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#14

Bromoethene

Concen: 0.466 ppbv m

RT: 3.76 min Scan# 303

Delta R.T. 0.02 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

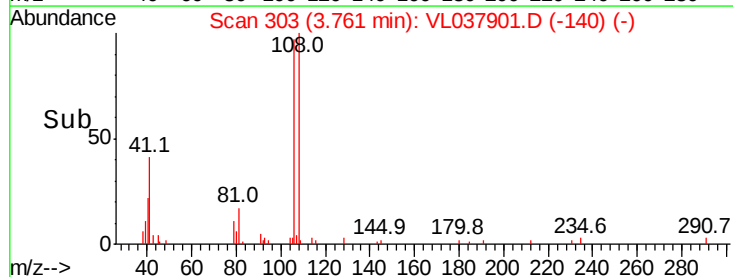
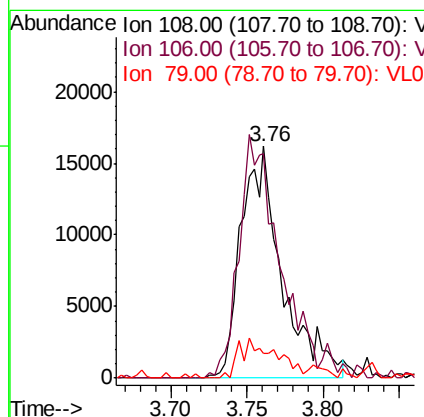
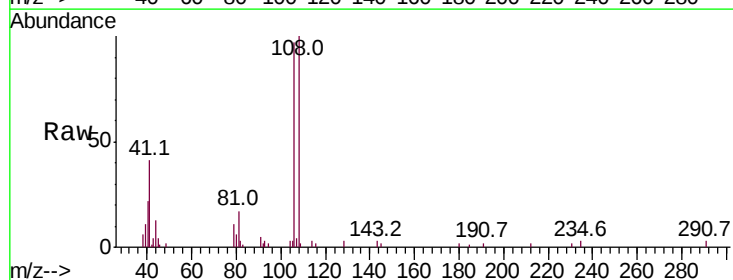
Tgt Ion:108 Resp: 30244

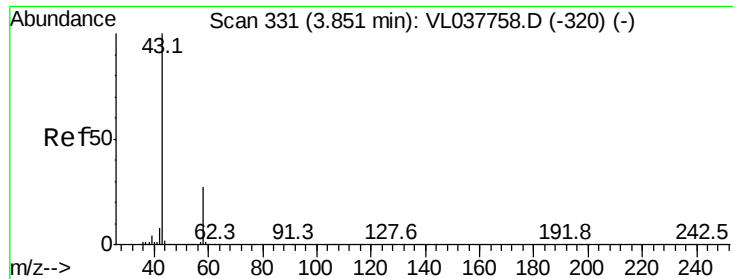
Ion Ratio Lower Upper

108 100

106 107.8 91.9 137.9

79 18.3 13.9 20.9



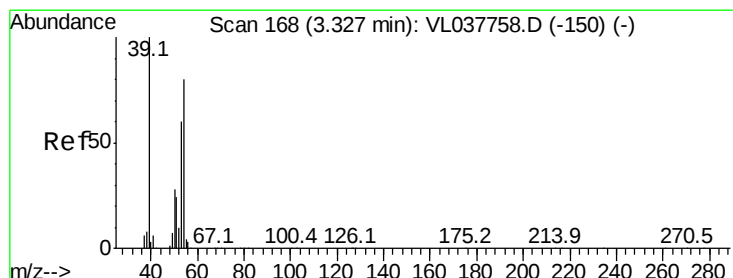
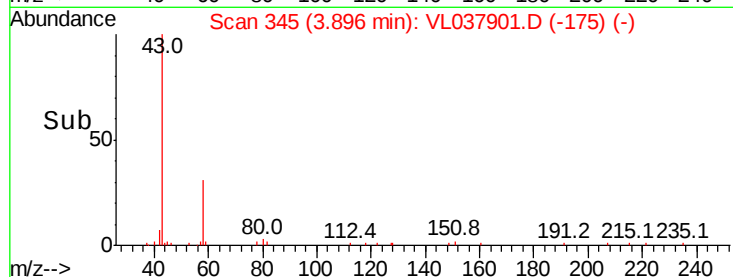
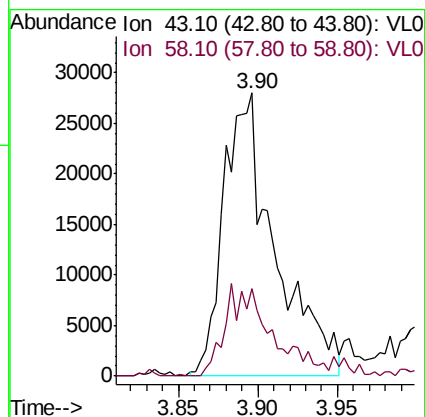
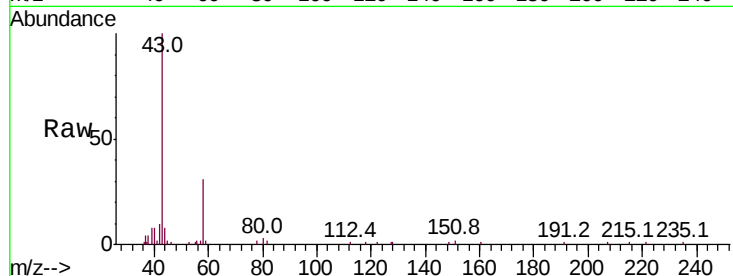


#15
Acetone
Concen: 0.512 ppbv m
RT: 3.90
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:
Ion Ratio
43 100
58 31.

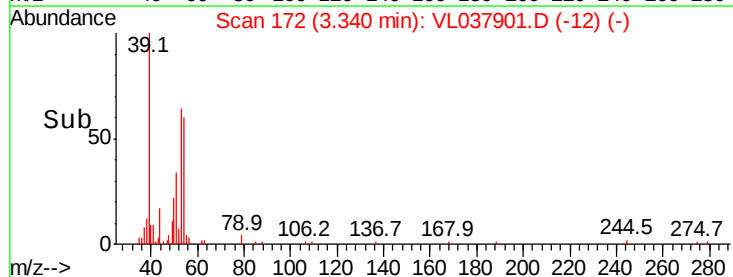
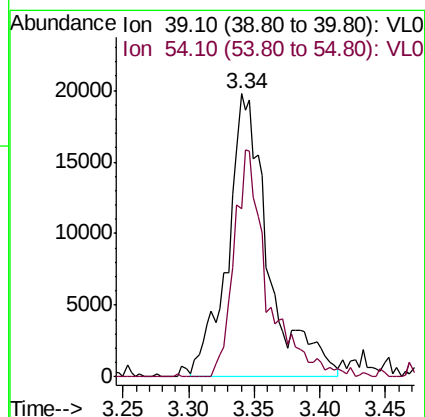
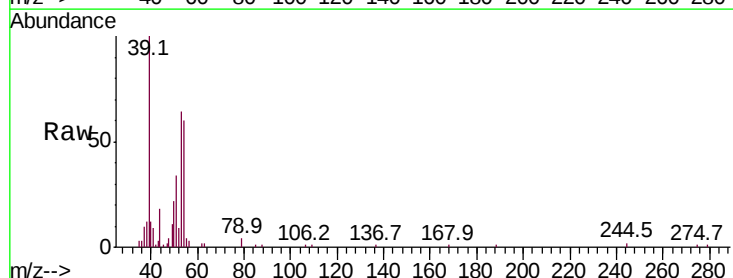
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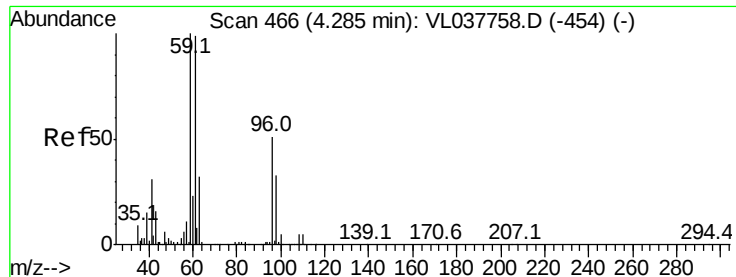
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#16
1,3-Butadiene
Concen: 0.481 ppbv m
RT: 3.34 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 39 Resp: 42947
Ion Ratio Lower Upper
39 100
54 66.1 61.7 92.5





#17

tert-Butyl alcohol

Concen: 0.402 ppbv m

RT: 4.33 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

59 100

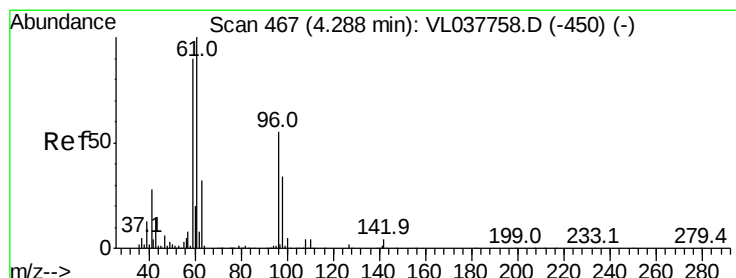
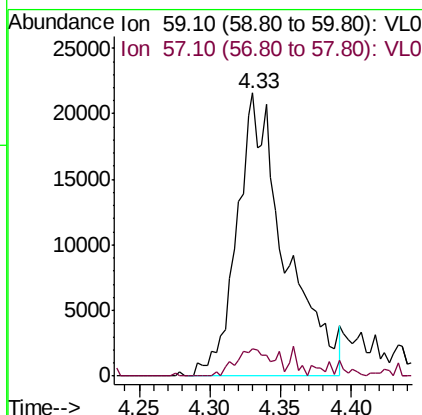
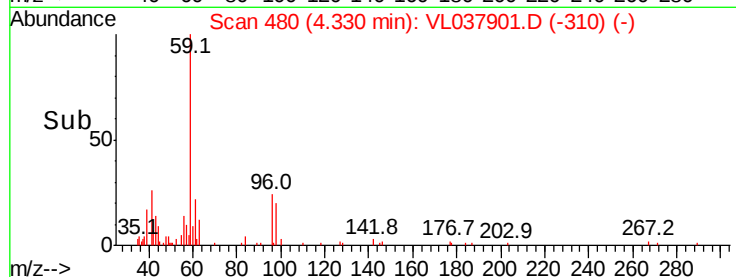
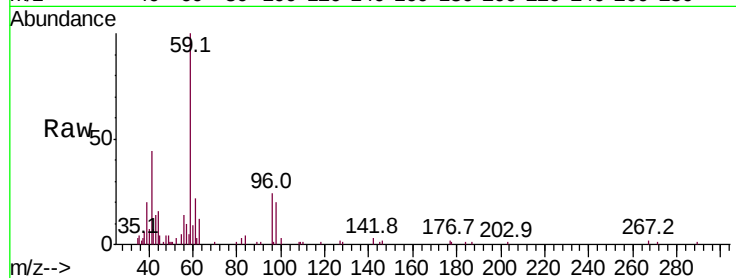
57 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#18

1,1-Dichloroethene

Concen: 0.478 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.02 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

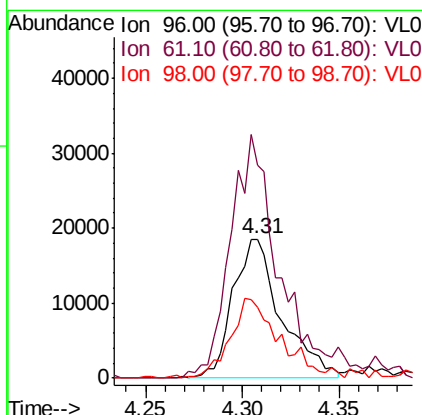
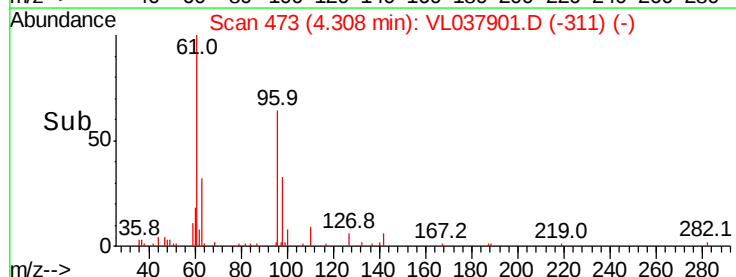
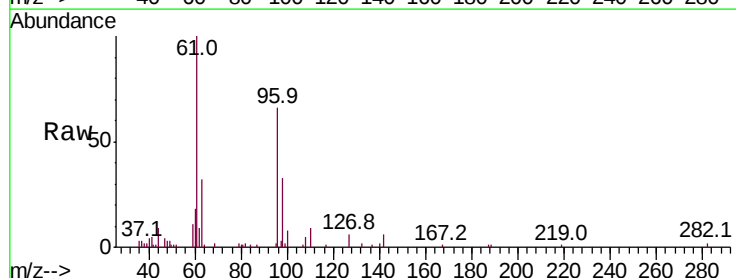
Tgt Ion: 96 Resp: 32072

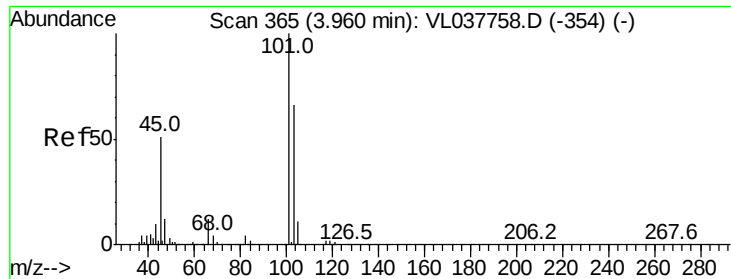
Ion Ratio Lower Upper

96 100

61 147.5 146.2 219.4

98 49.3 50.0 75.0#





#19

Isopropyl Alcohol

Concen: 0.456 ppbv m

RT: 4.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

45 100

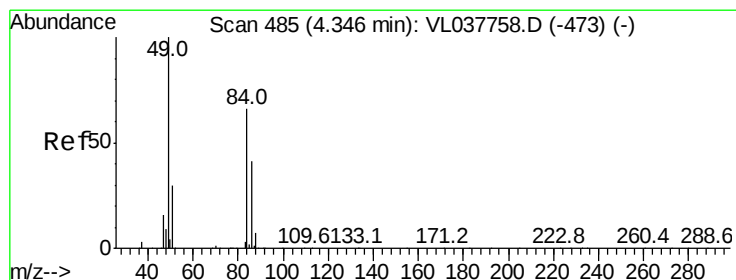
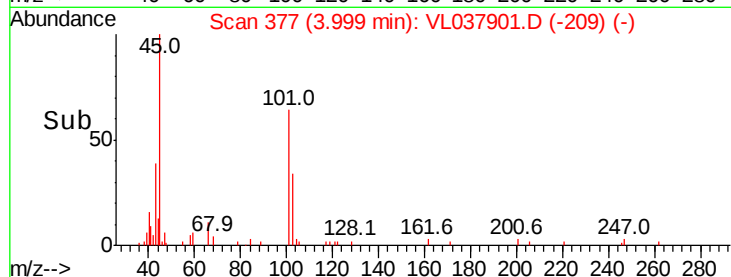
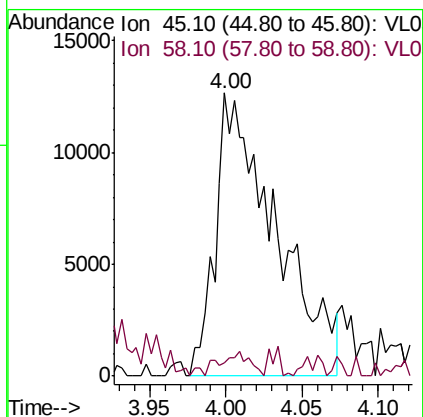
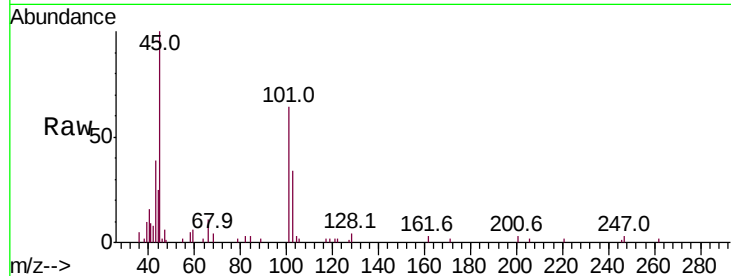
58 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#20

Methylene Chloride

Concen: 0.603 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

Tgt Ion: 84 Resp: 37412

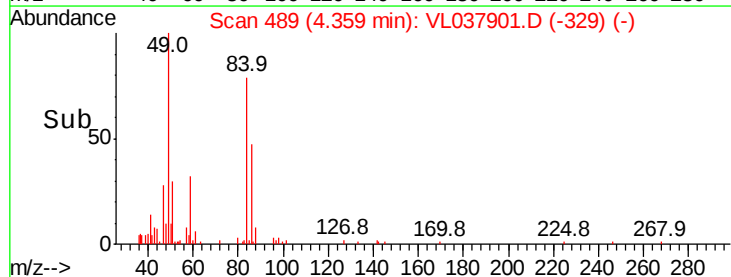
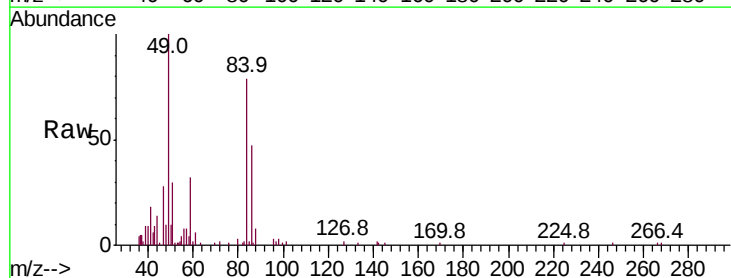
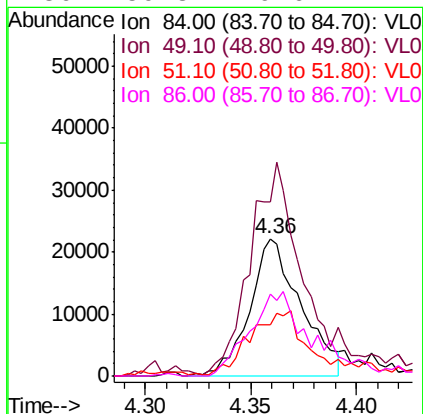
Ion Ratio Lower Upper

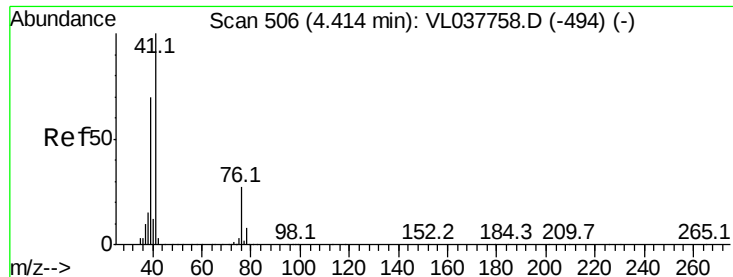
84 100

49 123.2 120.7 181.1

51 36.8 36.2 54.4

86 59.3 49.6 74.4





#21

Allvl Chloride

Concen: 0.476 ppbv m

RT: 4.42 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

41 100

76 26.

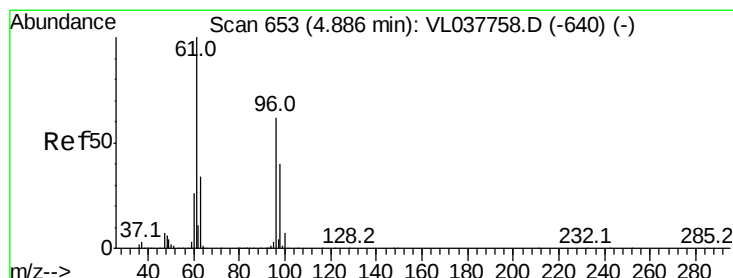
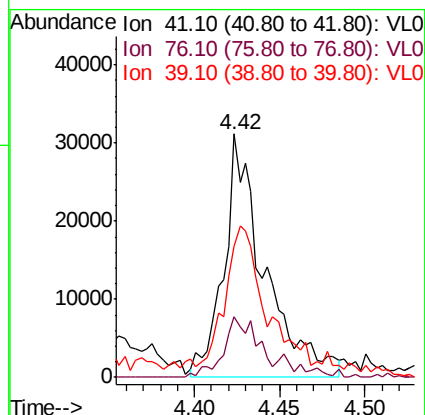
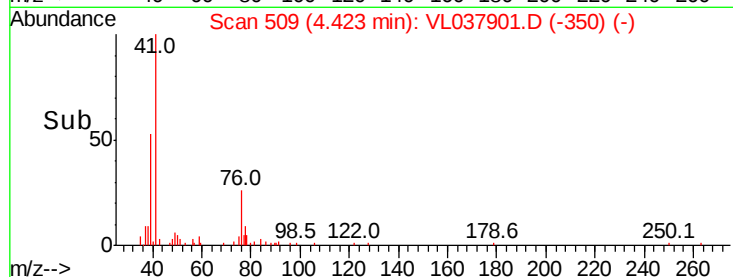
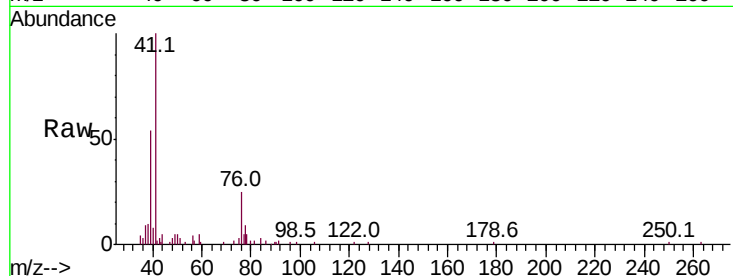
39 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#22

trans-1,2-Dichloroethene

Concen: 0.395 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.01 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

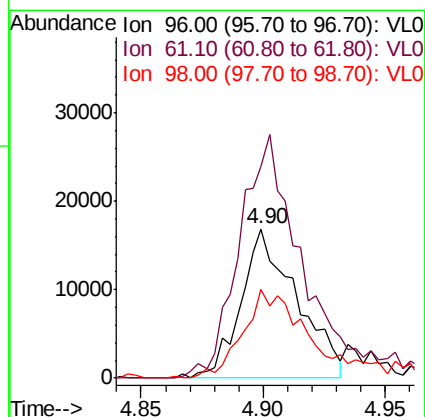
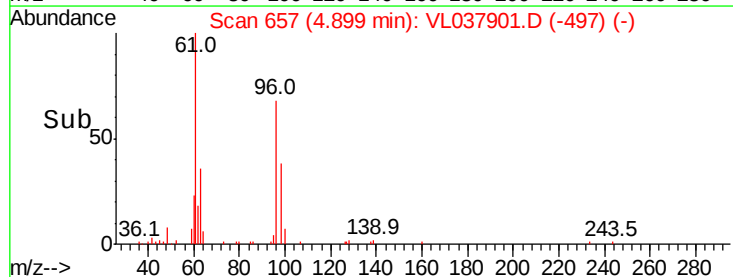
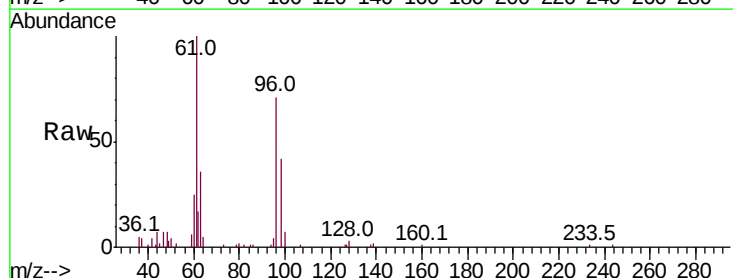
Tgt Ion: 96 Resp: 26644

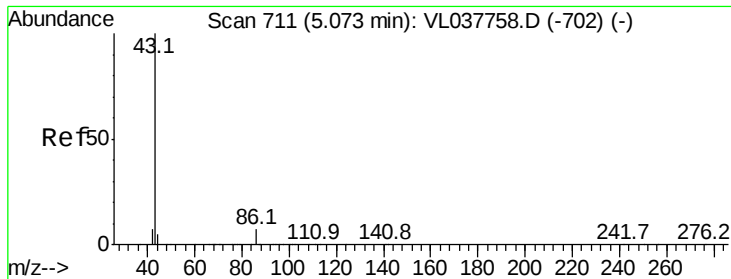
Ion Ratio Lower Upper

96 100

61 137.1 129.0 193.6

98 59.1 51.7 77.5





#23

Vinyl Acetate

Concen: 0.362 ppbv

RT: 5.10 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

43 100

86 6.

42 8.

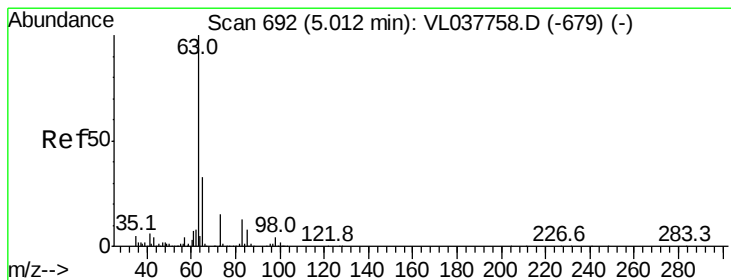
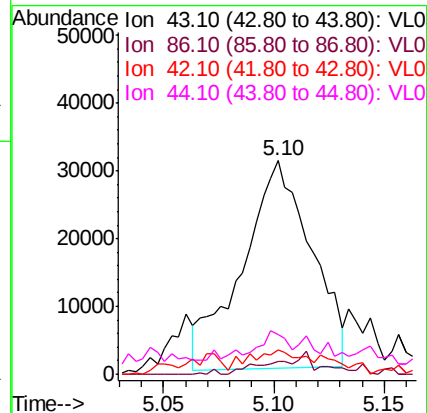
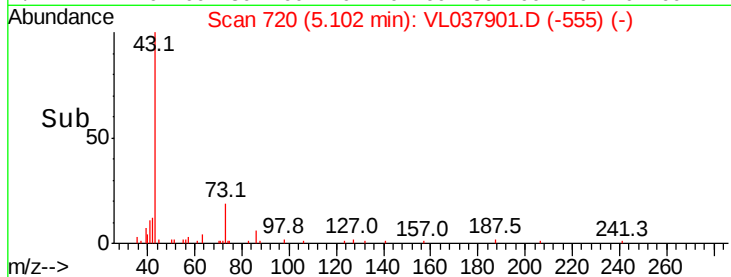
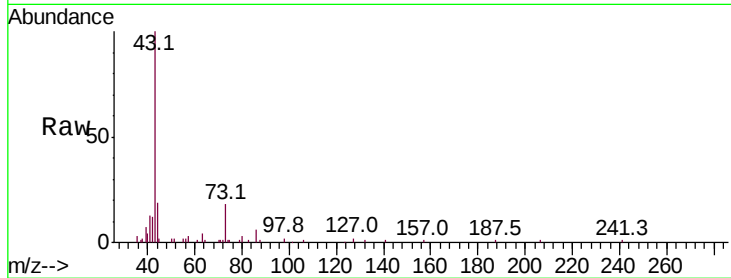
44 18.5 3.8 5.6#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#24

1,1-Dichloroethane

Concen: 0.432 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.02 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

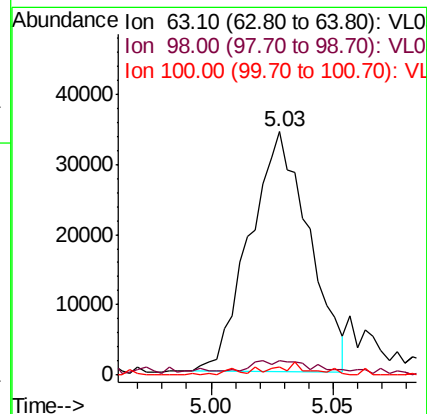
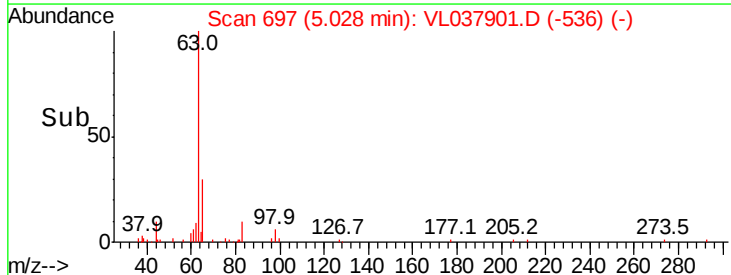
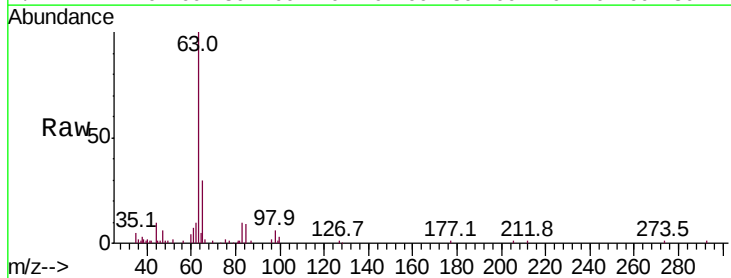
Tgt Ion: 63 Resp: 57868

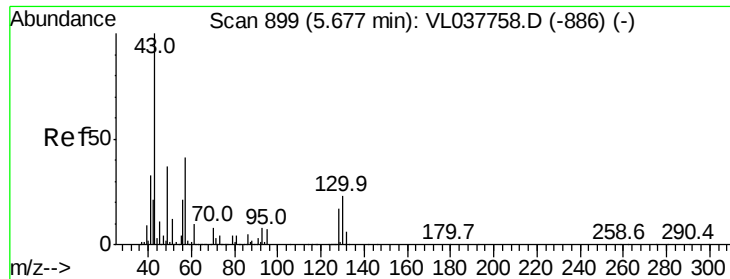
Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

100 2.8 1.1 3.1





#25

Ethyl Acetate

Concen: 0.391 ppbv

RT: 5.71 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

43 100

45 13.

61 12.

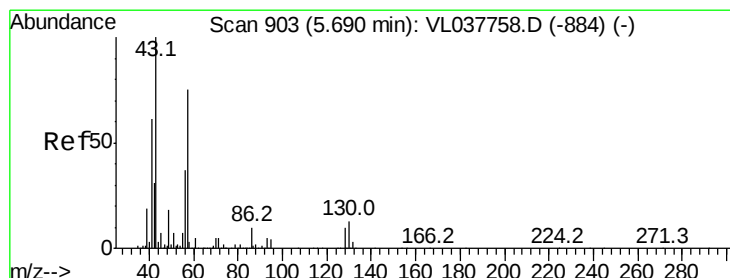
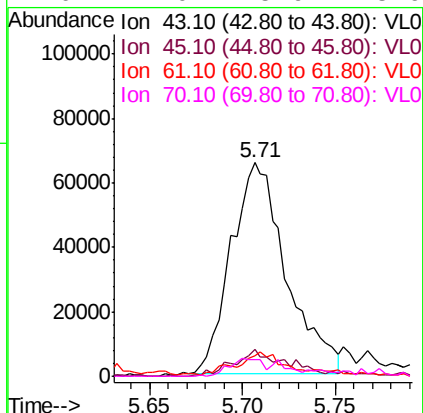
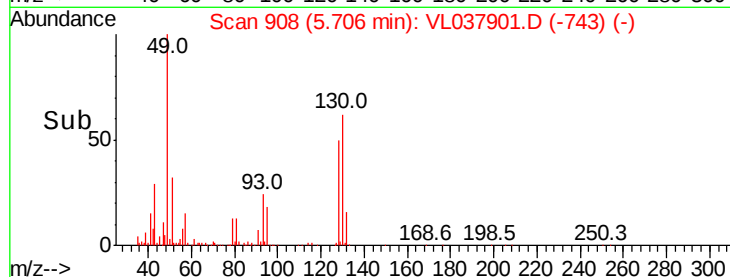
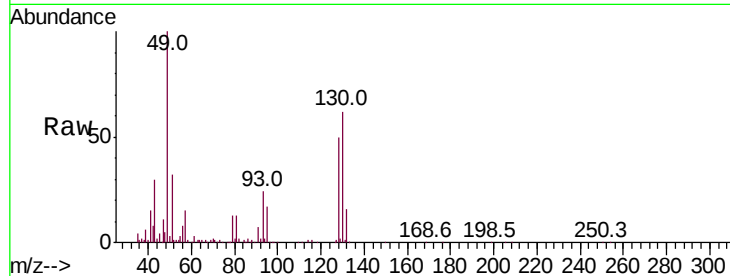
70 11.0 5.9 8.9#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#26

Hexane

Concen: 0.364 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.01 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

Tgt Ion: 57 Resp: 61809

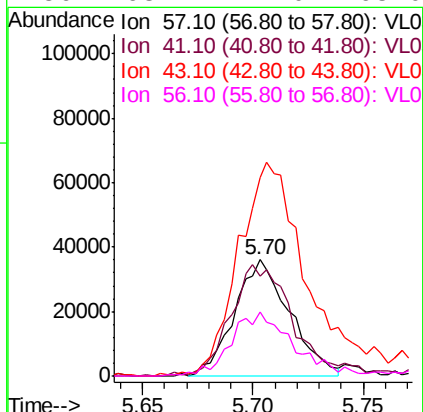
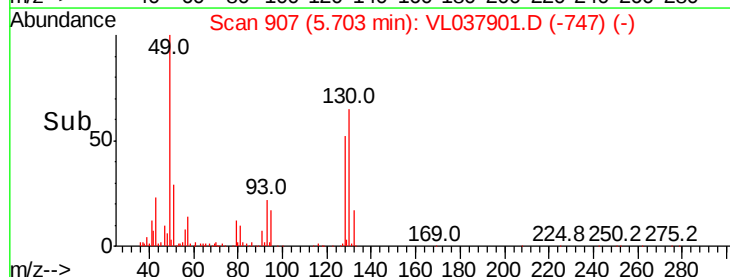
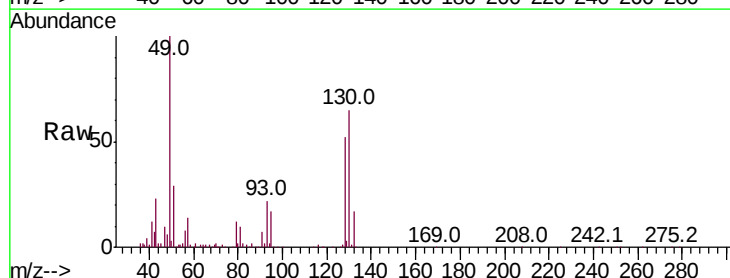
Ion Ratio Lower Upper

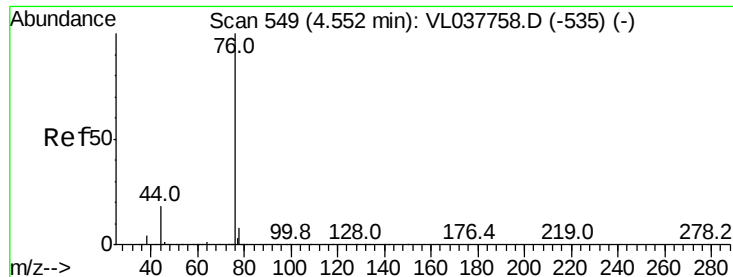
57 100

41 116.0 69.6 104.4#

43 258.9 171.4 257.0#

56 63.4 42.0 63.0#





#27

Carbon Disulfide

Concen: 0.412 ppbv m

RT: 4.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

76 100

44 26.

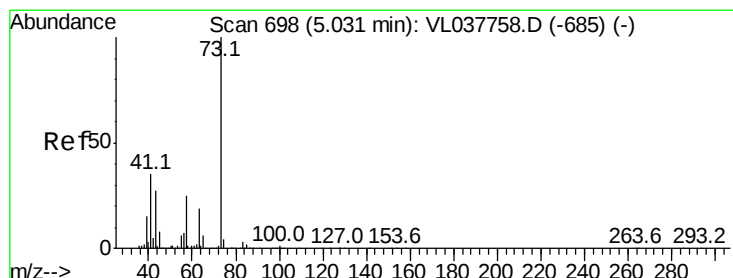
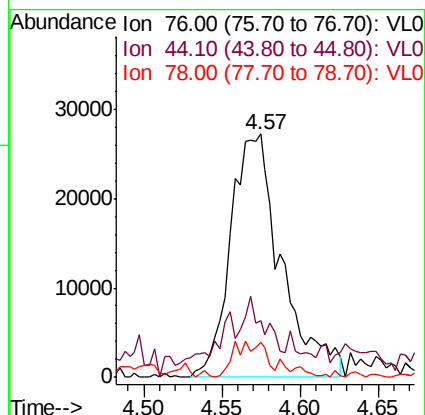
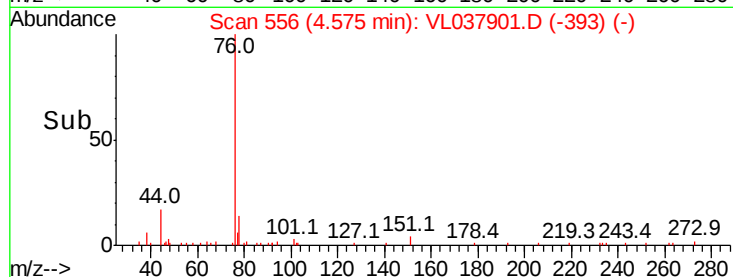
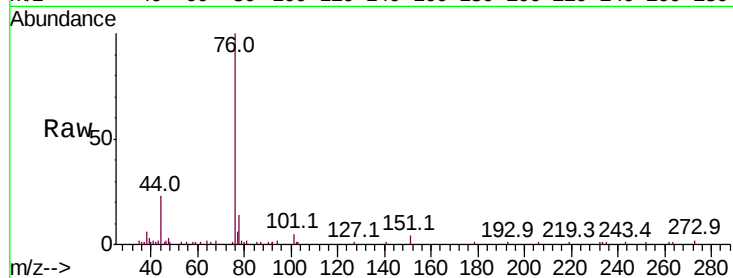
78 12.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#28

Methyl tert-Butyl Ether

Concen: 0.508 ppbv m

RT: 5.06 min Scan# 708

Delta R.T. 0.03 min

Lab File: VL037901.D

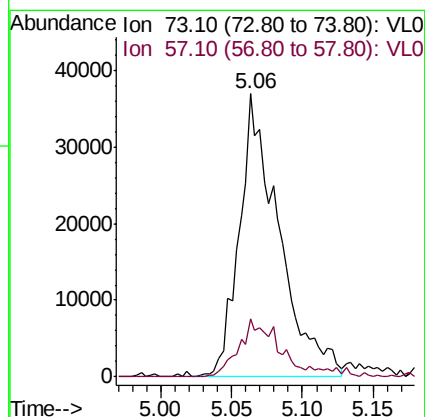
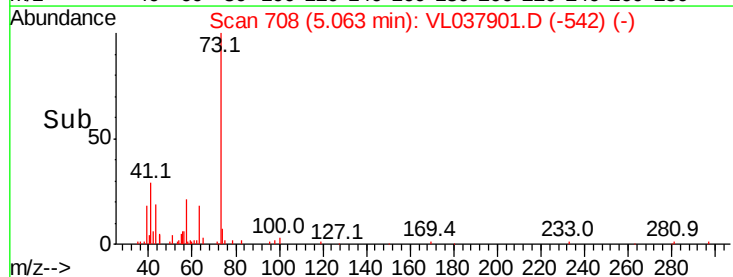
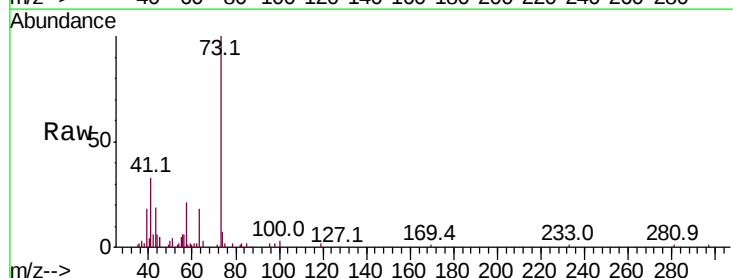
Acq: 25 Oct 2021 19:55

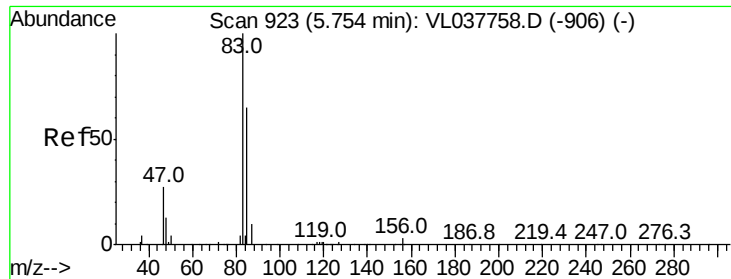
Tgt Ion: 73 Resp: 71719

Ion Ratio Lower Upper

73 100

57 22.4 20.4 30.6



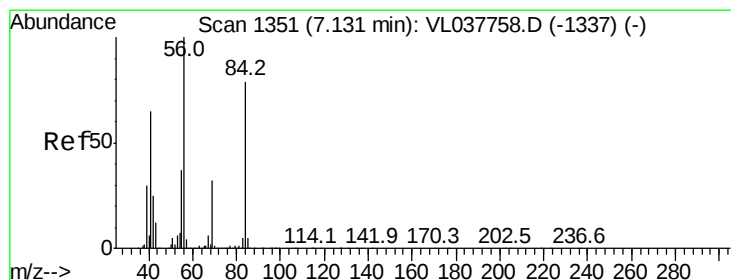
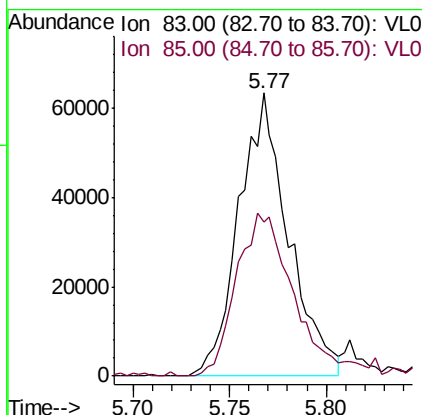
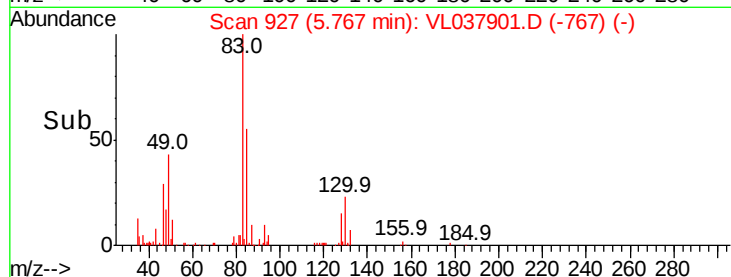
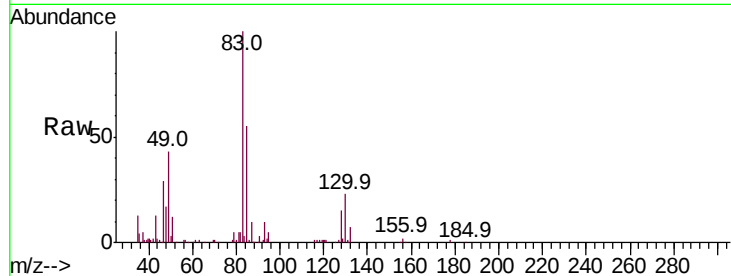


#29
Chloroform
Concen: 0.465 ppbv
RT: 5.77
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Oct 2021 19:55

Tot Ion:
Ion Ratio
83 100
85 54.

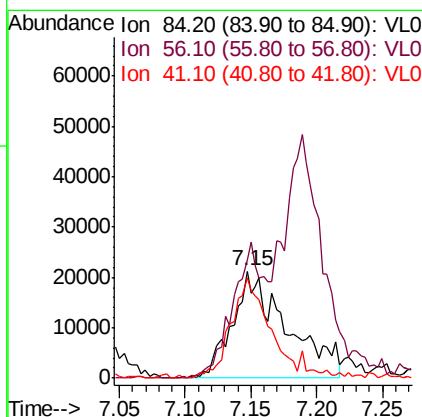
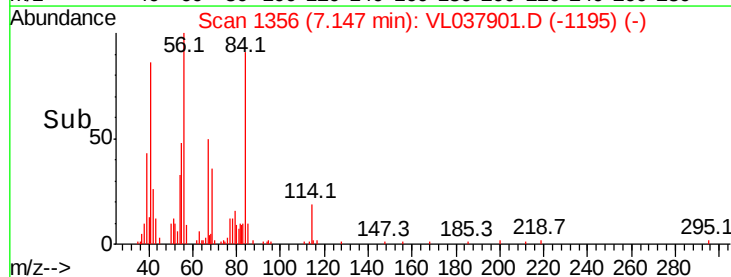
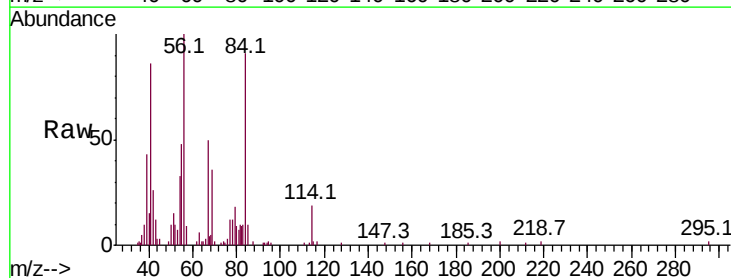
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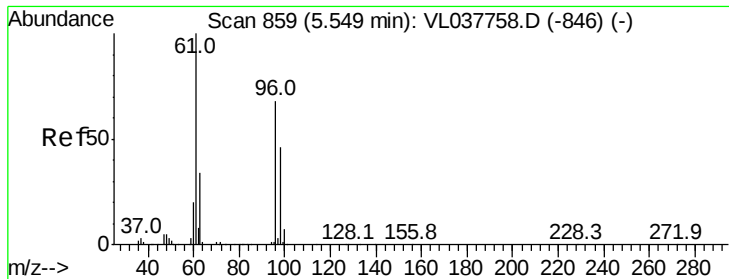
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#30
Cyclohexane
Concen: 0.425 ppbv m
RT: 7.15 min Scan# 1356
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 84 Resp: 61152
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 70.0 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 0.337 ppbv

RT: 5.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

61 100

96 61.

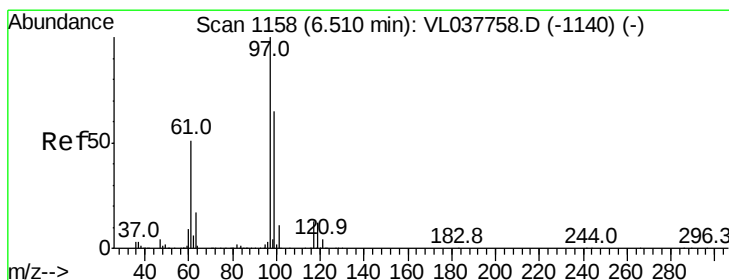
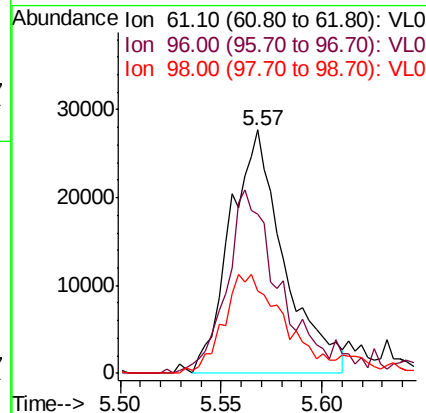
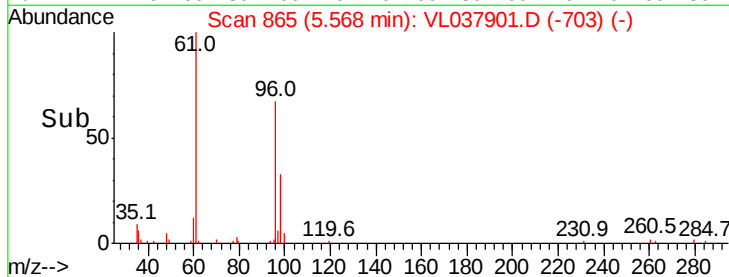
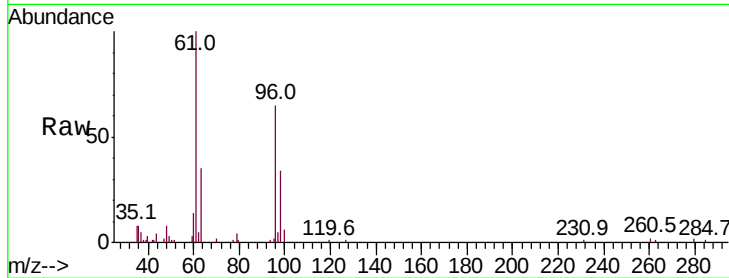
98 32.

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#32

1,1,1-Trichloroethane

Concen: 0.434 ppbv m

RT: 6.52 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

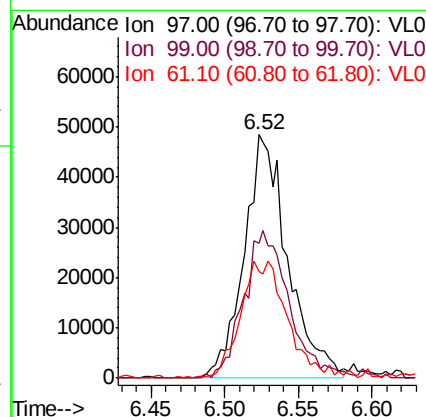
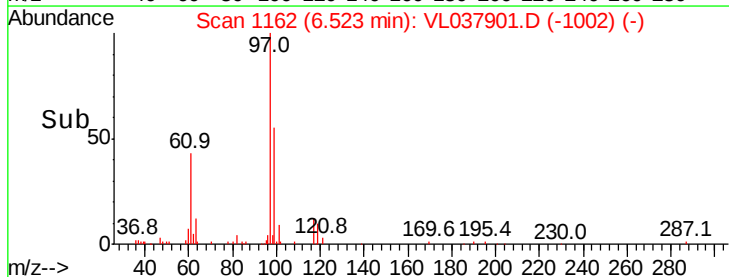
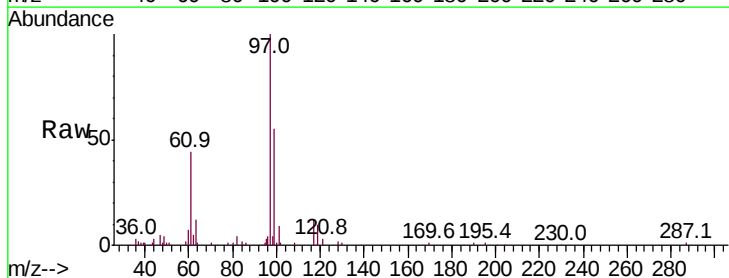
Tgt Ion: 97 Resp: 99762

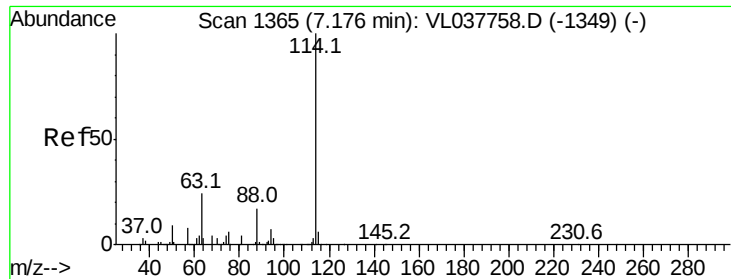
Ion Ratio Lower Upper

97 100

99 64.0 52.6 78.8

61 52.6 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19

Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55

Tot Ion:1

Ion Rati

114 100

63 23.

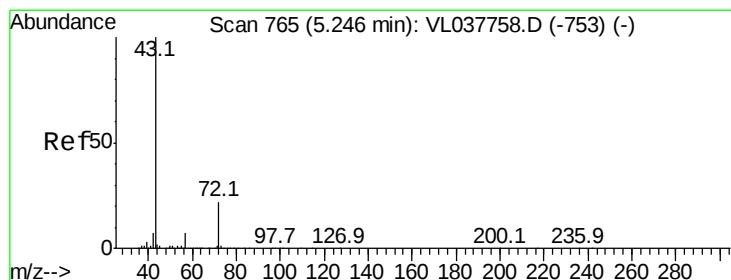
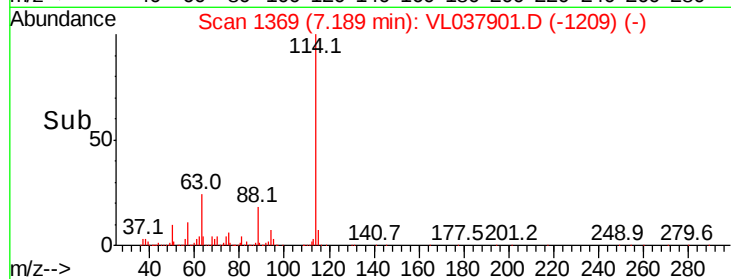
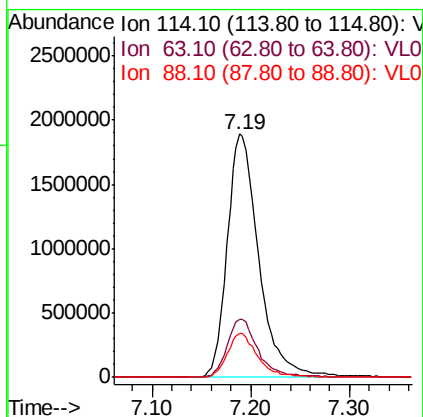
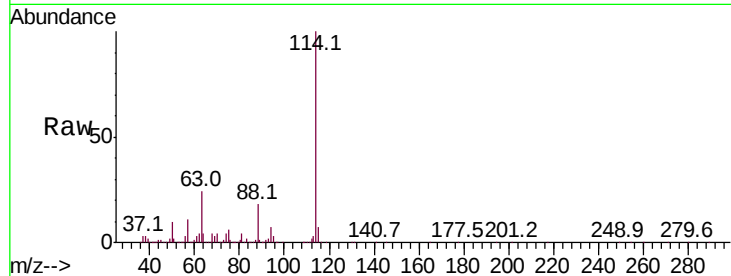
88 17.

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#34

2-Butanone

Concen: 0.354 ppbv m

RT: 5.28 min Scan# 776

Delta R.T. 0.04 min

Lab File: VL037901.D

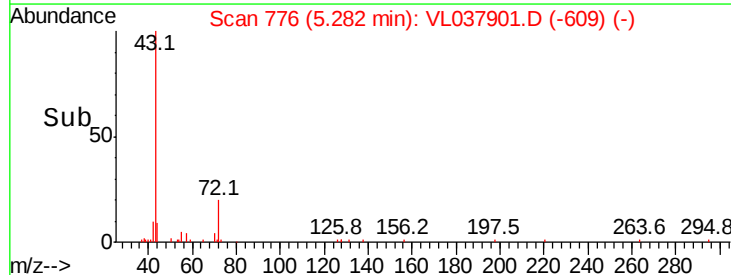
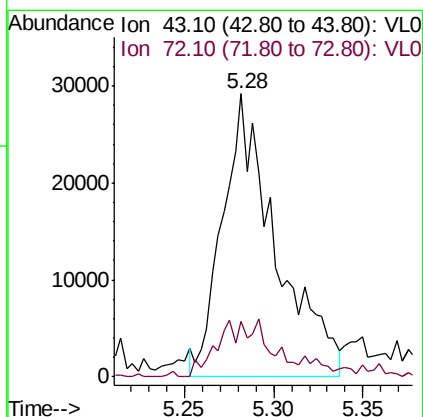
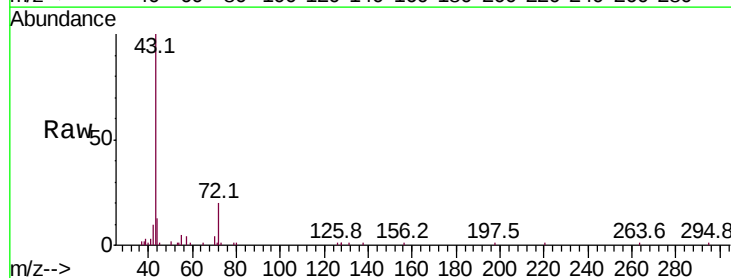
Acq: 25 Oct 2021 19:55

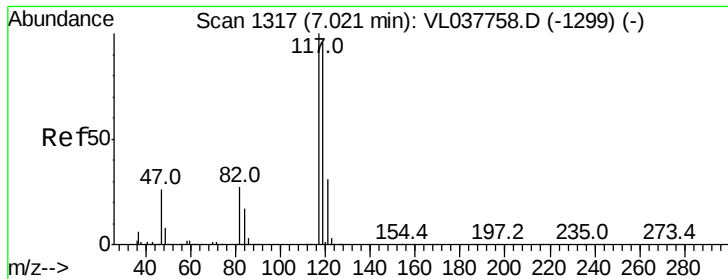
Tgt Ion: 43 Resp: 60232

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#





#35

Carbon Tetrachloride

Concen: 0.431 ppbv m

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

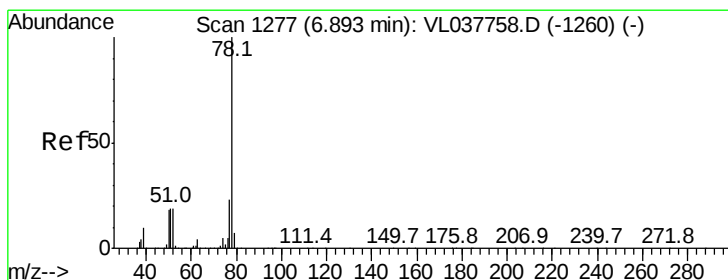
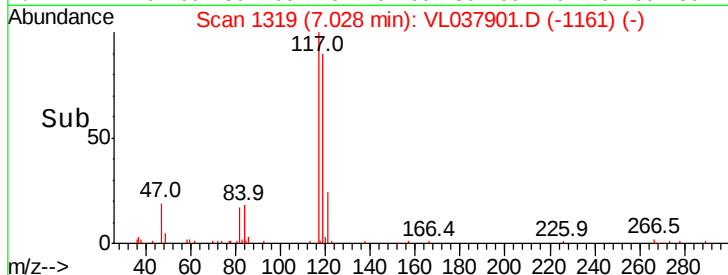
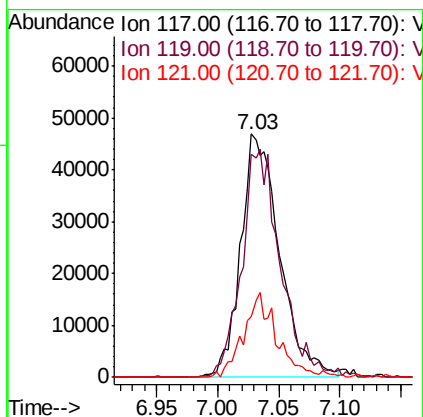
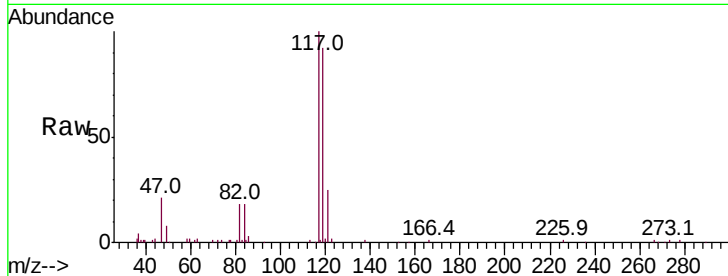
Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:1
Ion Rati
117 100
119 91.
121 24.

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



#36

Benzene

Concen: 0.341 ppbv

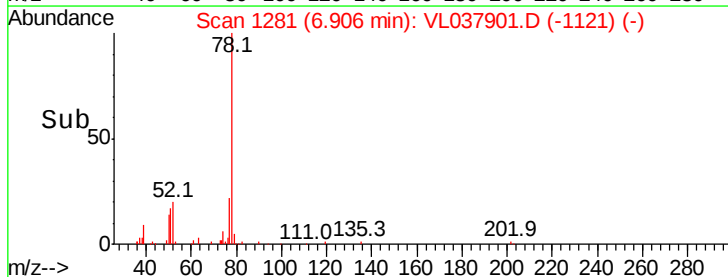
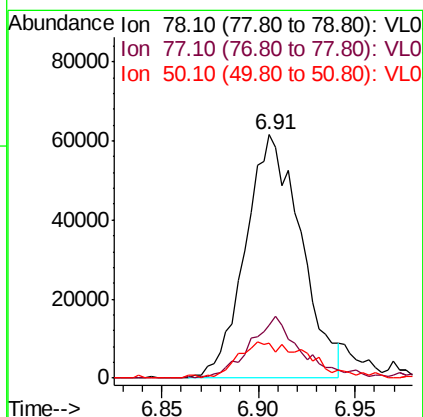
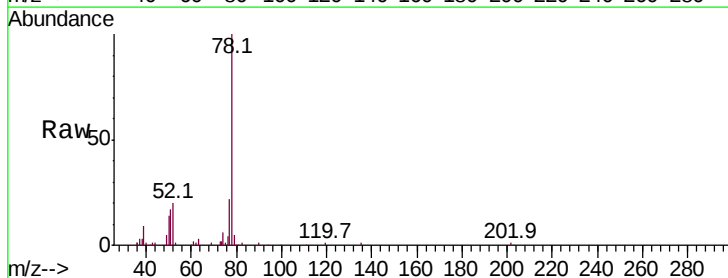
RT: 6.91 min Scan# 1281

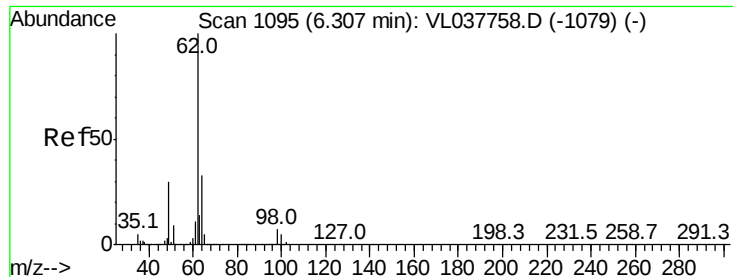
Delta R.T. 0.01 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	122941		
77	21.0		18.8	28.2
50	12.6		14.7	22.1#





#37

1,2-Dichloroethane

Concen: 0.414 ppbv m

RT: 6.32 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MDL-AIR-03-QT4-2021

Acq: 25 Oct 2021 19:55

Tot Ion:

Ion Ratio

62 100

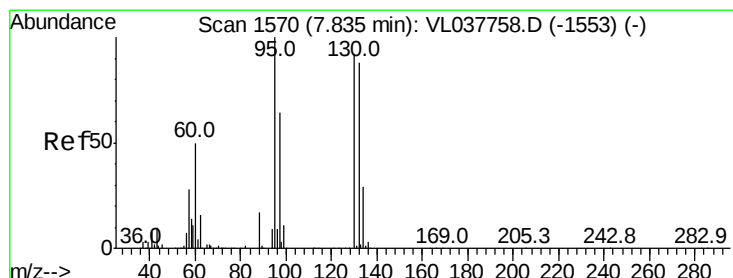
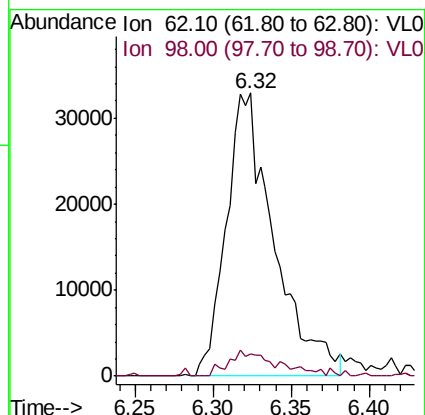
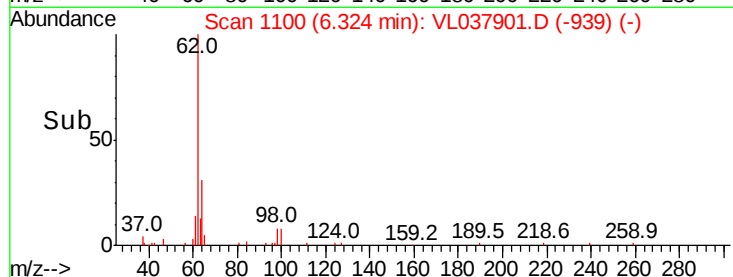
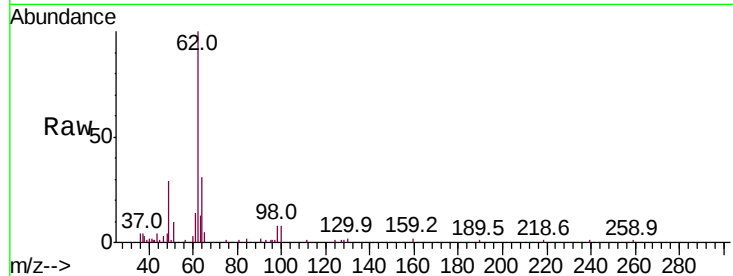
98 9.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#38

Trichloroethene

Concen: 0.361 ppbv m

RT: 7.85 min Scan# 1574

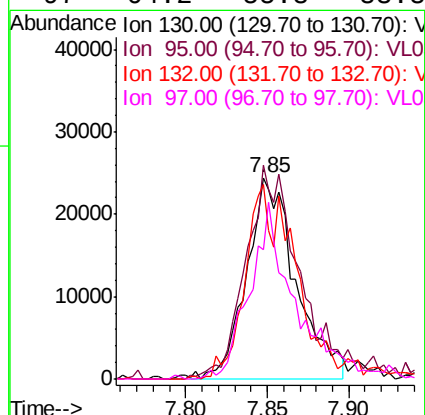
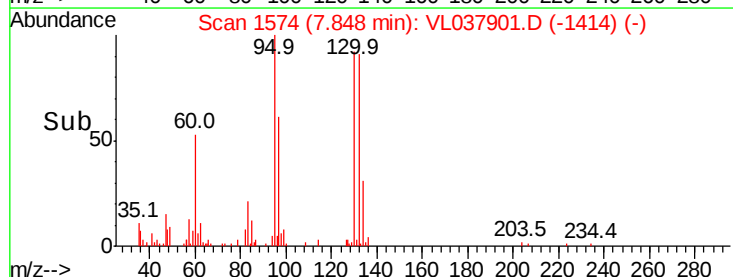
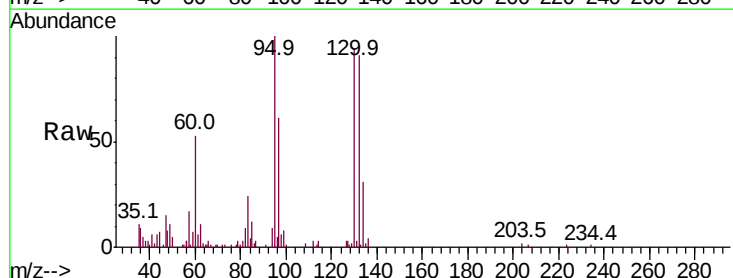
Delta R.T. 0.01 min

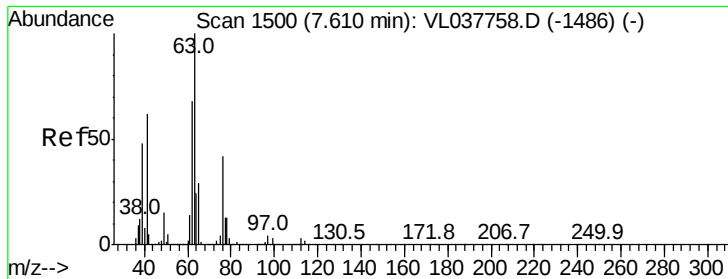
Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

Tgt Ion:130 Resp: 51332

Ion	Ratio	Lower	Upper
130	100		
95	106.0	87.4	131.0
132	96.7	76.8	115.2
97	64.2	55.8	83.8





#39

1,2-Dichloropropane

Concen: 0.400 ppbv m

RT: 7.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 19:55

Tot Ion:

Ion Ratio

63 100

41 52.

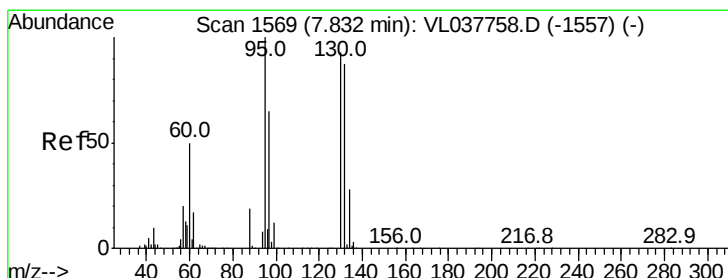
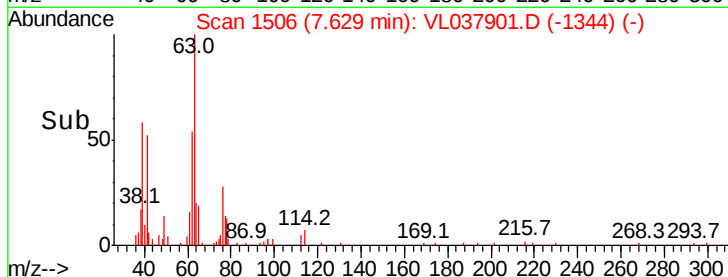
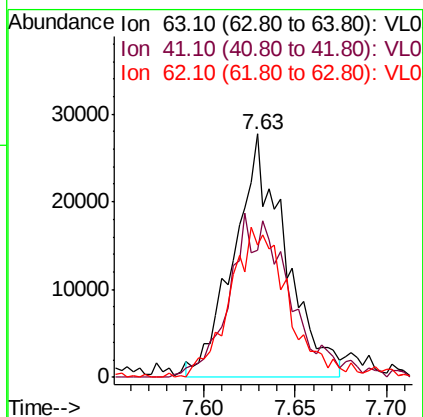
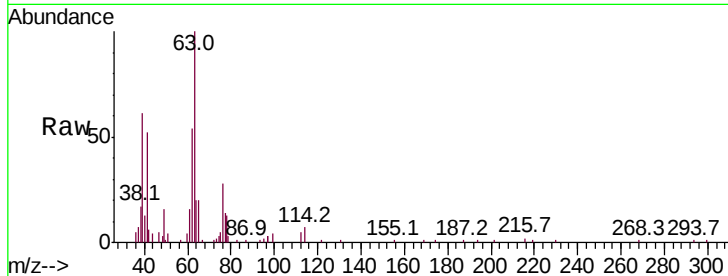
62 54.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#40

1,4-Dioxane

Concen: 0.386 ppbv m

RT: 7.90 min Scan# 1591

Delta R.T. 0.07 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

Tgt Ion: 88 Resp: 13090

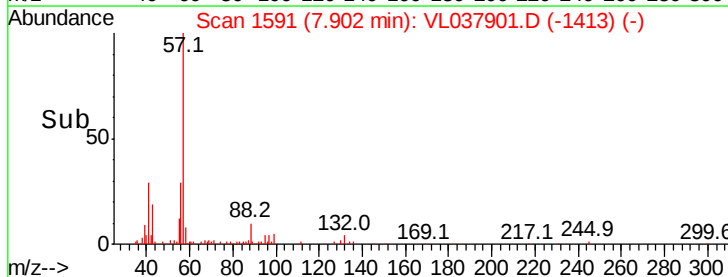
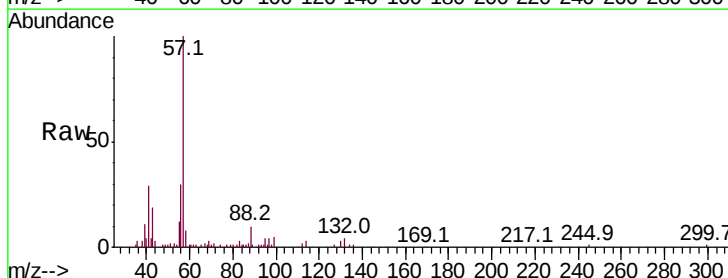
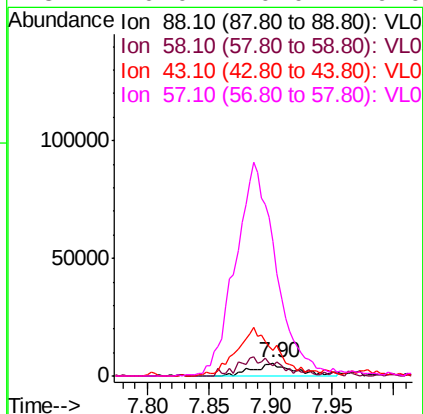
Ion Ratio Lower Upper

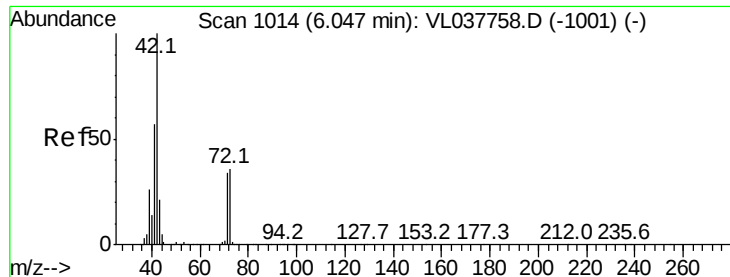
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.277 ppbv m

RT: 6.10 Instrument: MSVOA_L

Delta R.T. 0.02

Lab File: ClientSampleId: MDL-AIR-03-QT4-2021

Acq: 25 Oct 2021 19:55

Tot Ion:

Ion Ratio

42 100

72 0.

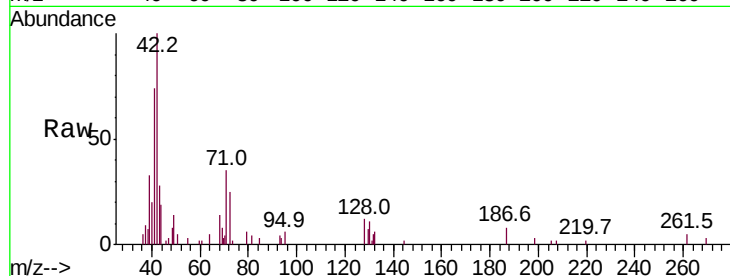
71 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

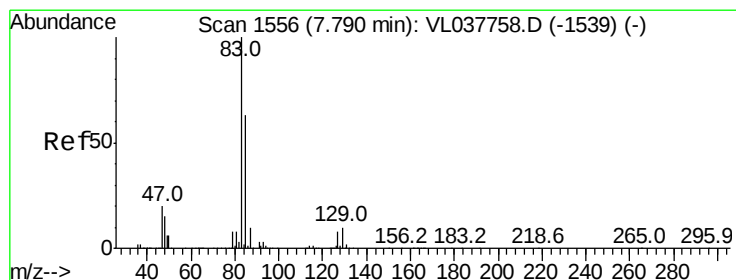
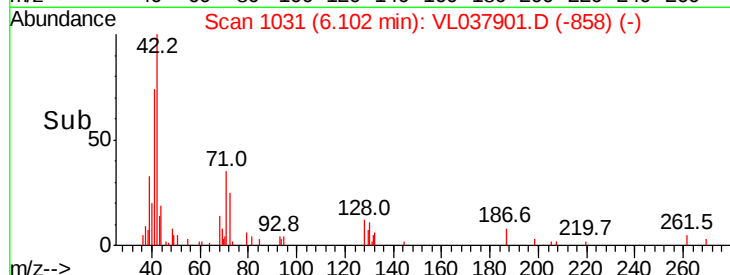
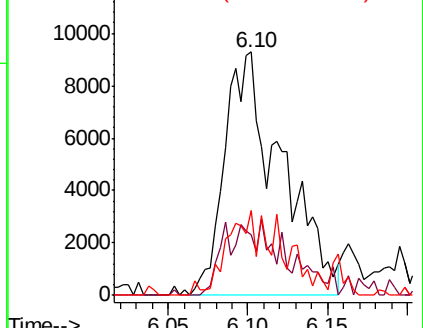
Supervised By :Mahesh Dadoda 10/27/2021



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.372 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.02 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

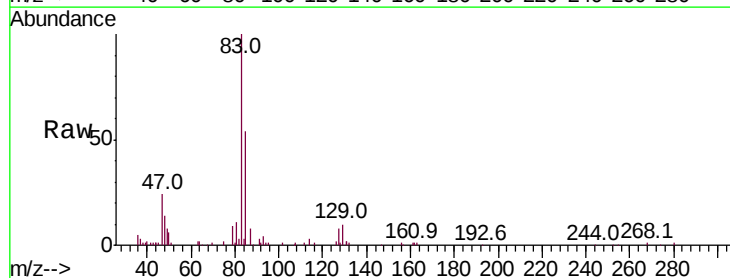
Tgt Ion: 83 Resp: 92672

Ion Ratio Lower Upper

83 100

85 54.4 50.6 75.8

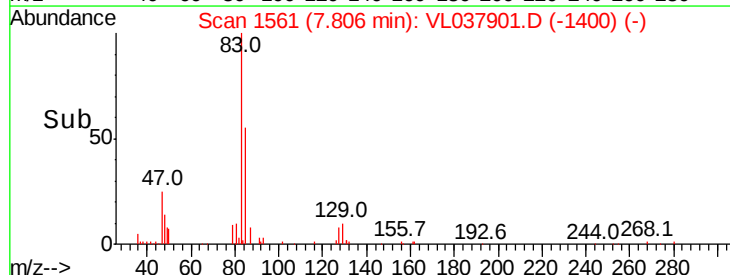
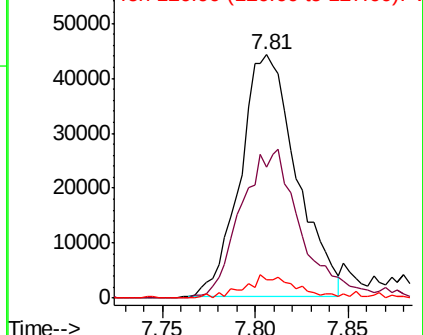
127 7.8 6.2 9.4

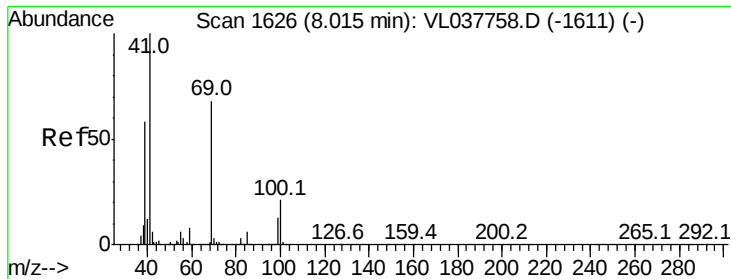


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0





#43

Methyl Methacrylate

Concen: 0.256 ppbv m

RT: 8.04

Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 25 Oct 2021 19:55

Tot Ion:

Ion Ratio

69 100

41 163.

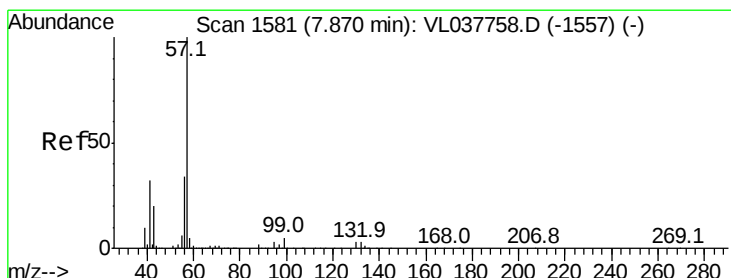
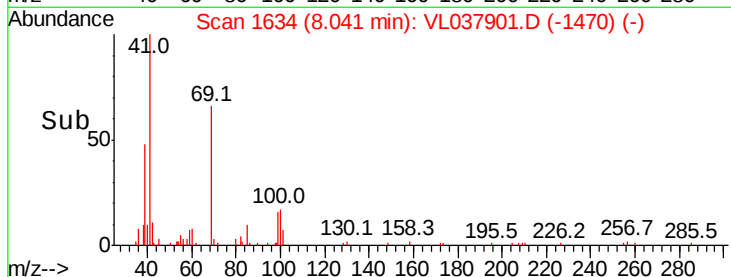
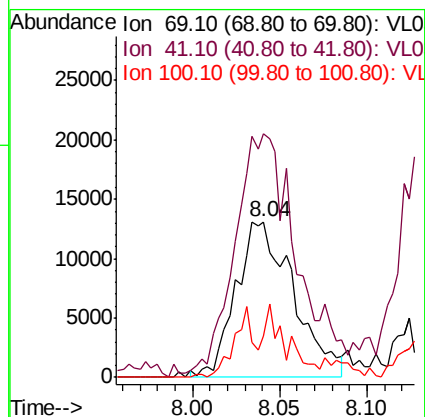
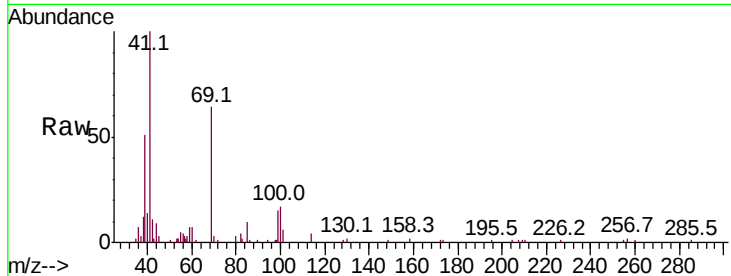
100 39.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#44

2,2,4-Trimethylpentane

Concen: 0.341 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. 0.02 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

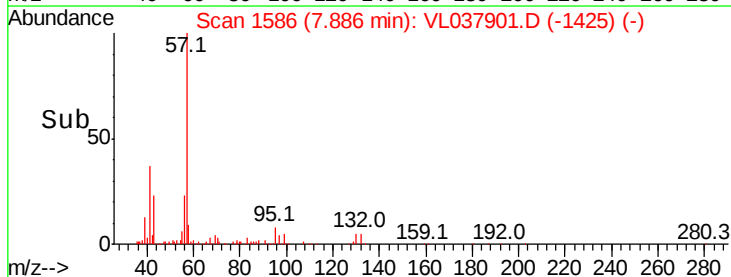
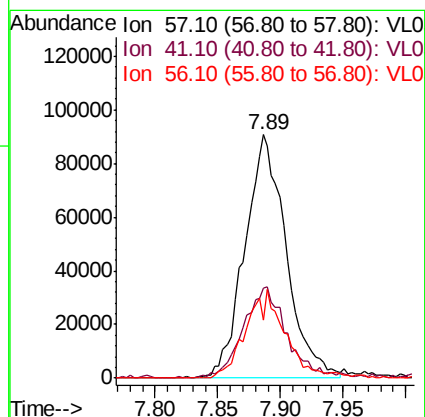
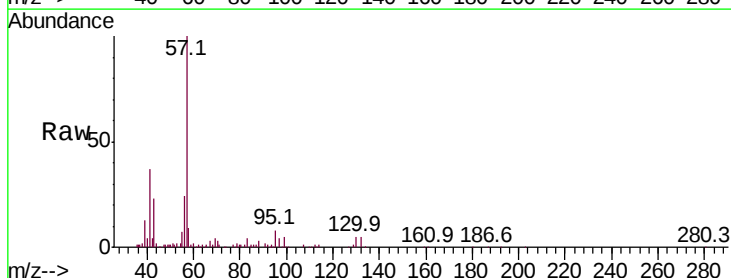
Tgt Ion: 57 Resp: 206112

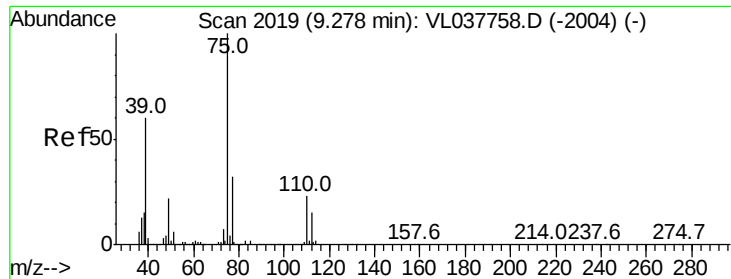
Ion Ratio Lower Upper

57 100

41 39.7 25.6 38.4#

56 35.5 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 0.254 ppbv m

RT: 9.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

75 100

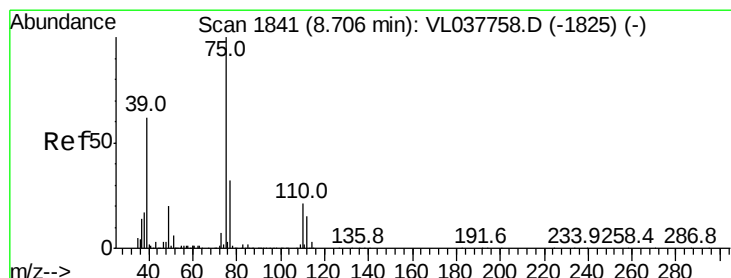
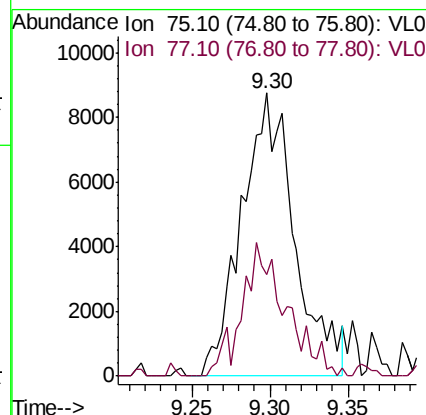
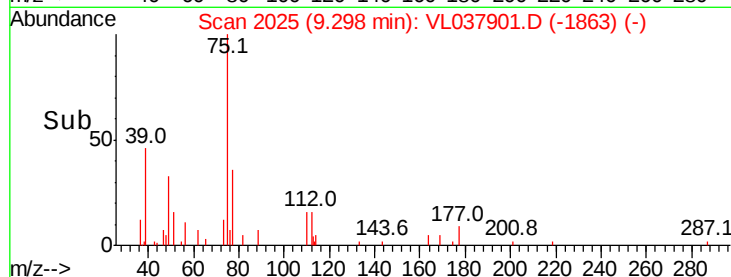
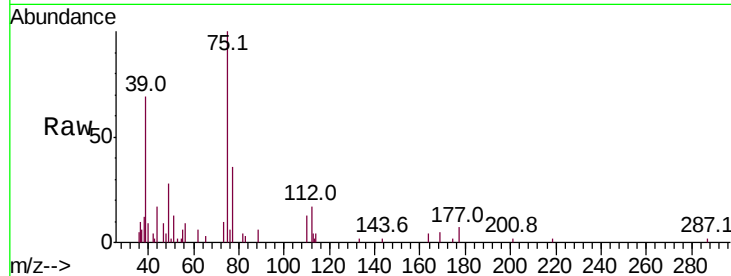
77 35.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#46

cis-1,3-Dichloropropene

Concen: 0.285 ppbv m

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

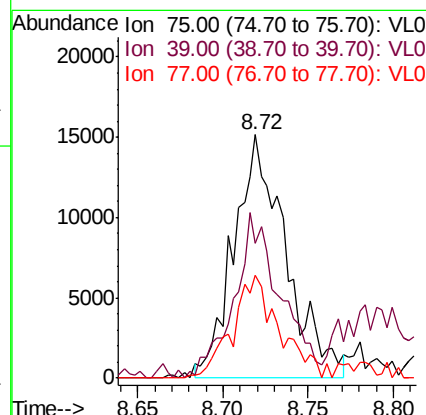
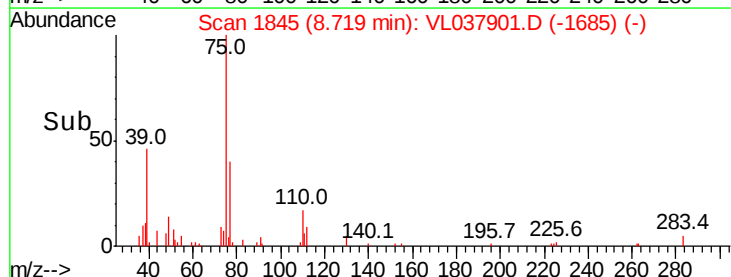
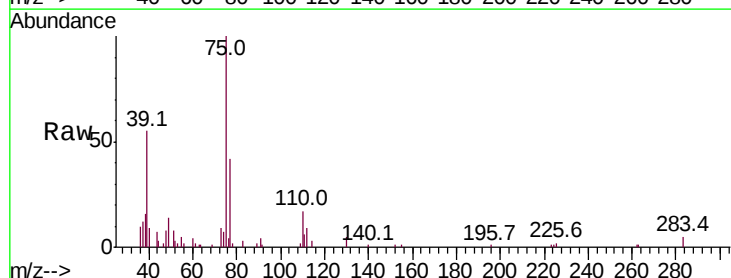
Tgt Ion: 75 Resp: 31991

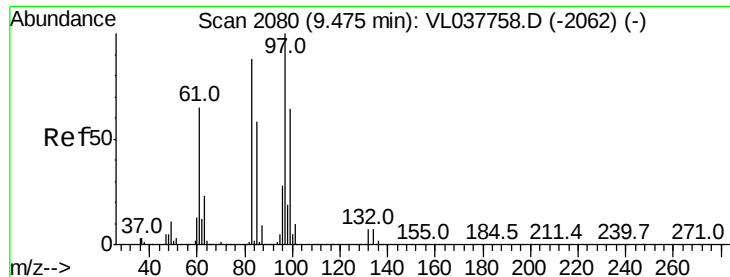
Ion Ratio Lower Upper

75 100

39 55.4 49.9 74.9

77 42.0 25.9 38.9#



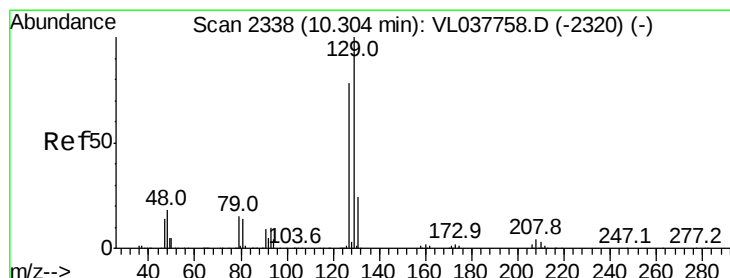
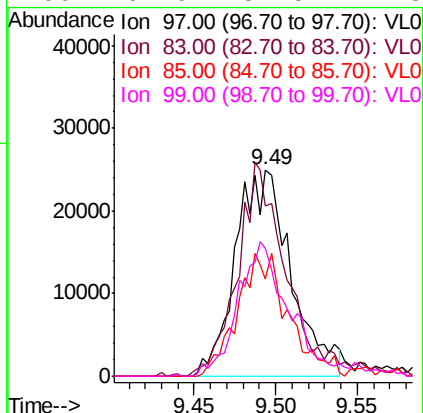
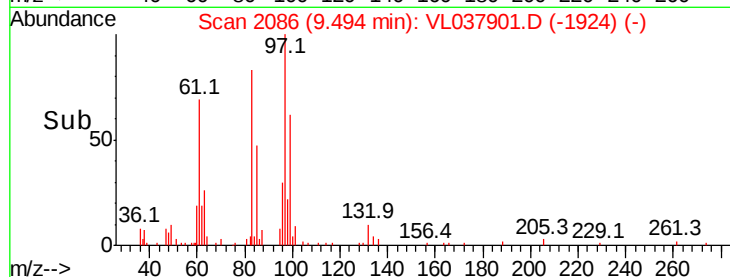
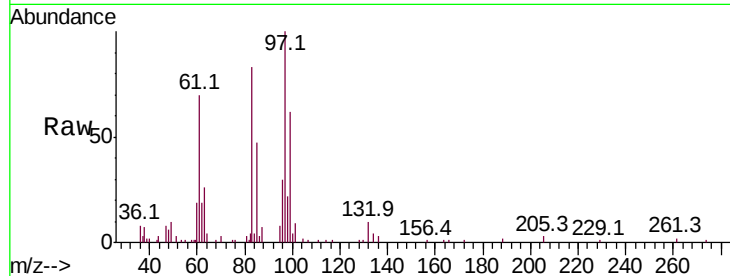


#47
 1,1,2-Trichloroethane
 Concen: 0.401 ppbv m
 RT: 9.49
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:
 Ion Ratio
 97 100
 83 82.
 85 47.
 99 61.9 51.5 77.3

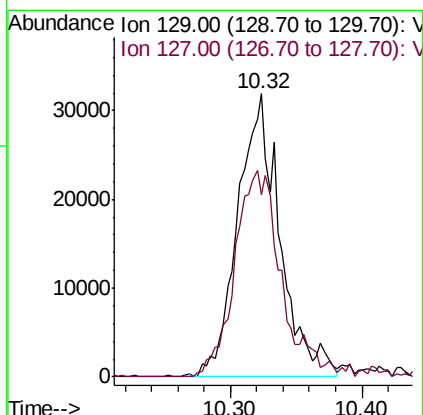
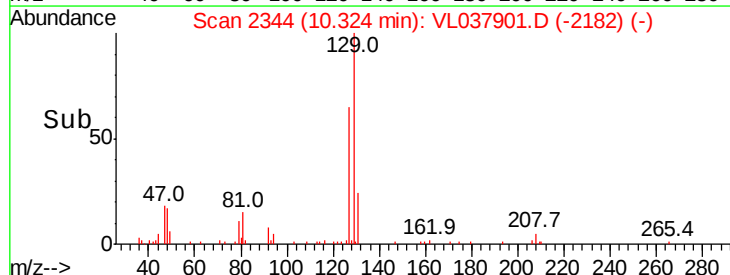
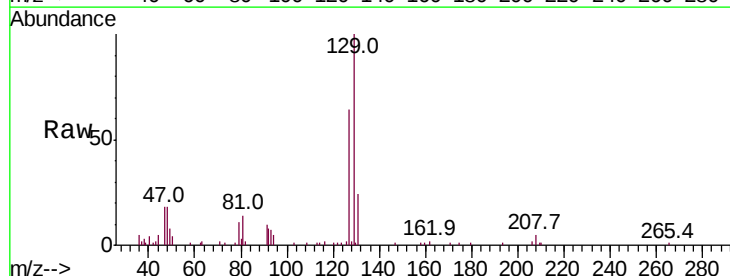
Manual Integrations
 APPROVED

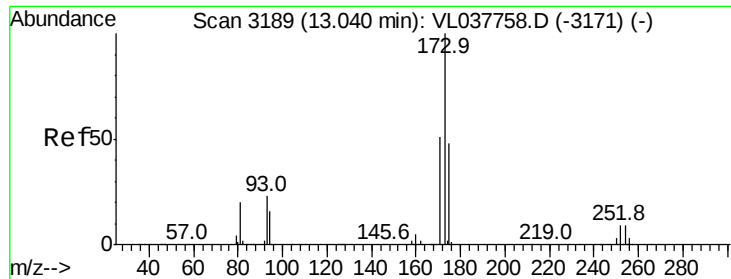
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#48
 Dibromochloromethane
 Concen: 0.339 ppbv m
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.02 min
 Lab File: VL037901.D
 Acq: 25 Oct 2021 19:55

Tgt Ion:129 Resp: 71095
 Ion Ratio Lower Upper
 129 100
 127 79.7 39.5 118.5





#49

Bromoform

Concen: 0.325 ppbv m

RT: 13.06

Delta R.T.

Lab File:

Acq: 25 Oct 2021 19:55

Instrument:

MSVOA_L

ClientSampleId:

MDL-AIR-03-QT4-2021

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021

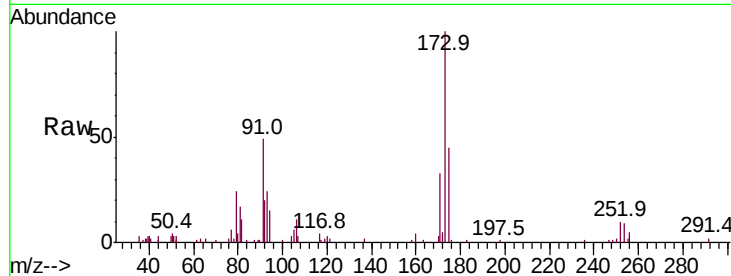
Tot Ion:1

Ion Rati

173 100

175 50.

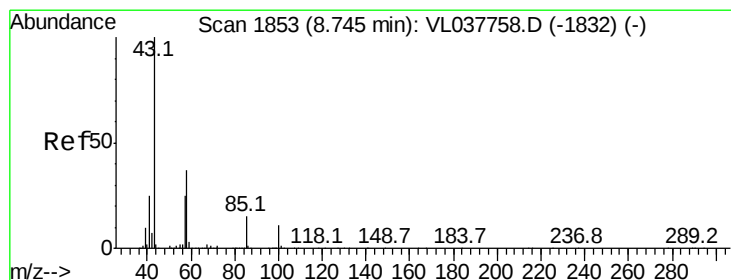
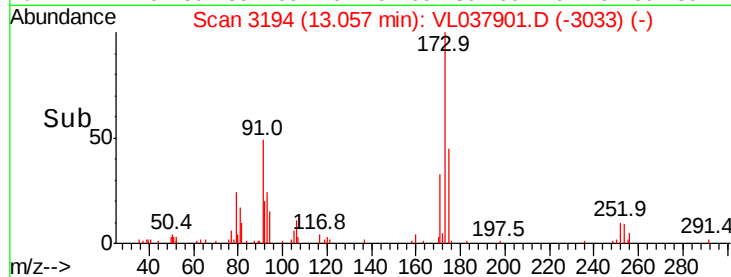
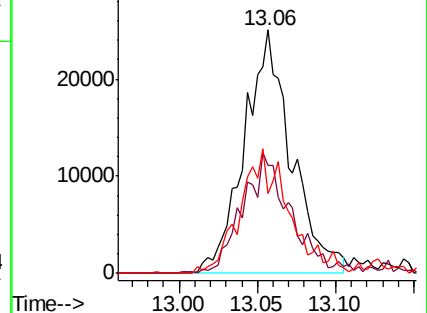
171 51.



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.283 ppbv m

RT: 8.78 min Scan# 1865

Delta R.T. 0.04 min

Lab File: VL037901.D

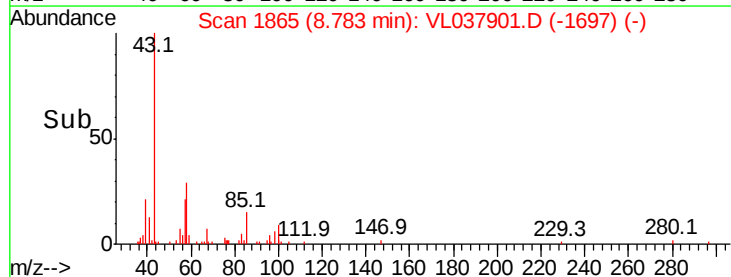
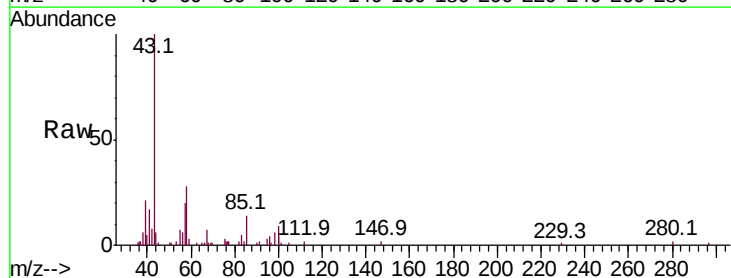
Acq: 25 Oct 2021 19:55

Tgt Ion: 43 Resp: 62791

Ion Ratio Lower Upper

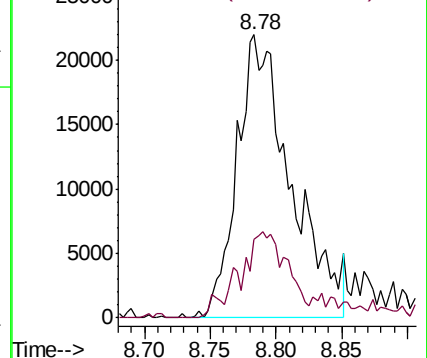
43 100

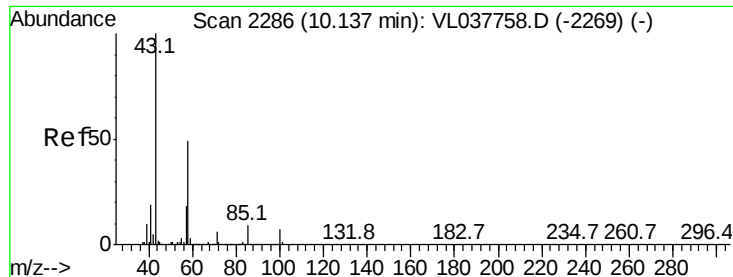
58 0.0 29.4 44.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.254 ppbv m

RT: 10.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

43 100

58 0.

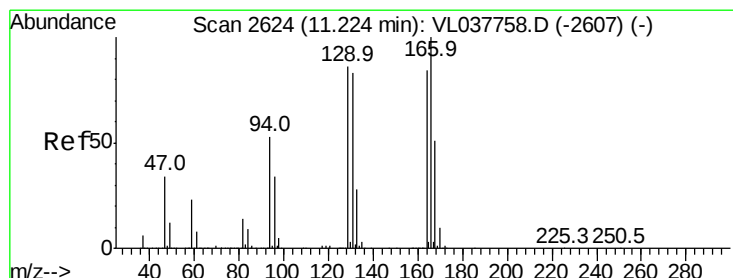
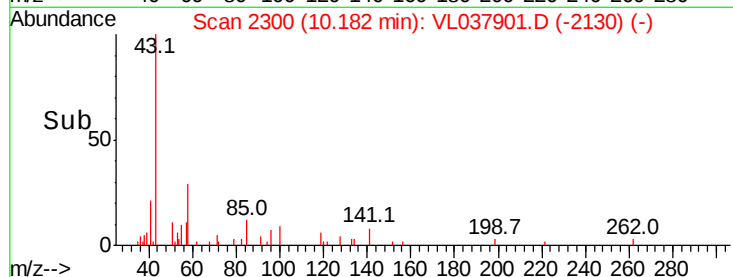
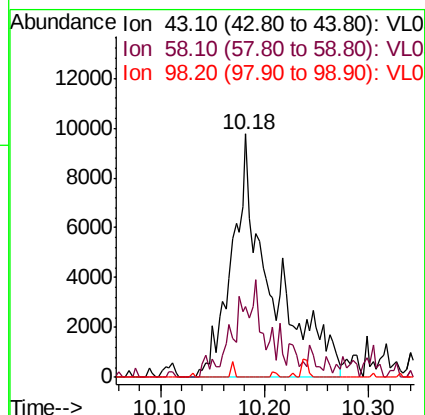
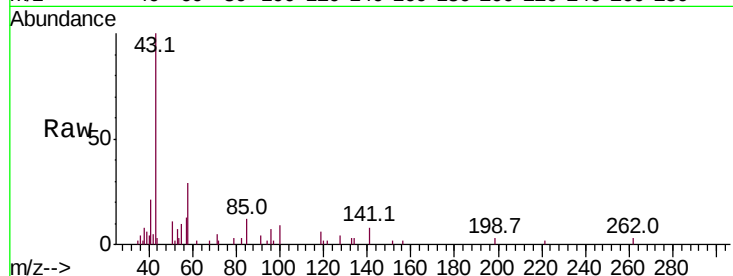
98 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#52

Tetrachloroethene

Concen: 0.337 ppbv m

RT: 11.24 min Scan# 2629

Delta R.T. 0.02 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

Tgt Ion:164 Resp: 47181

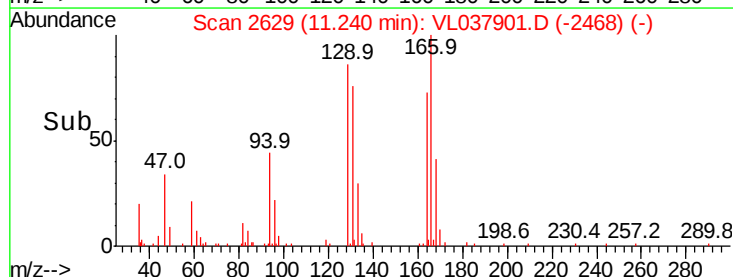
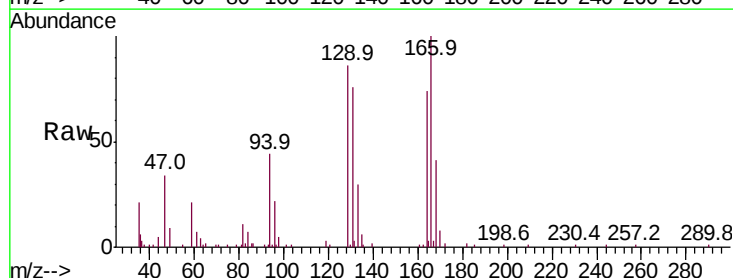
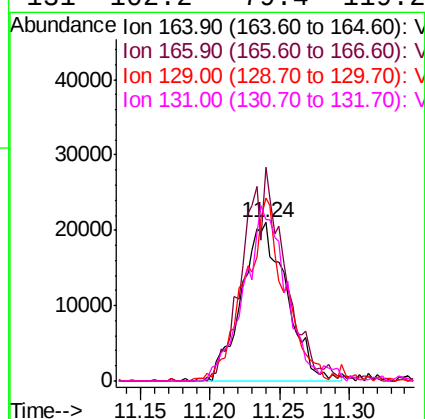
Ion Ratio Lower Upper

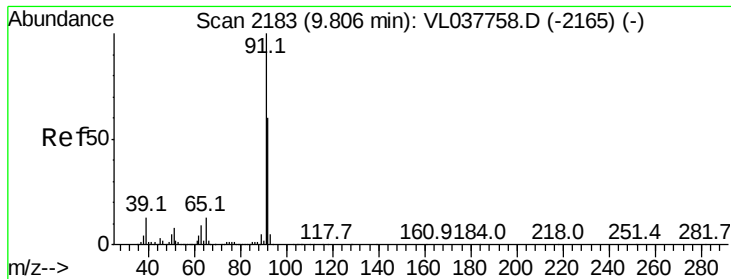
164 100

166 135.1 95.4 143.2

129 115.7 82.2 123.4

131 102.2 79.4 119.2





#53

Toluene

Concen: 0.258 ppbv m

RT: 9.82 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

91 100

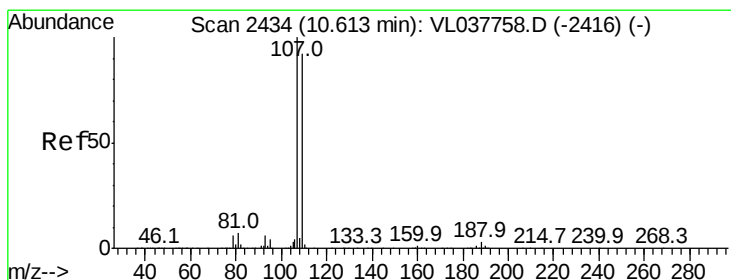
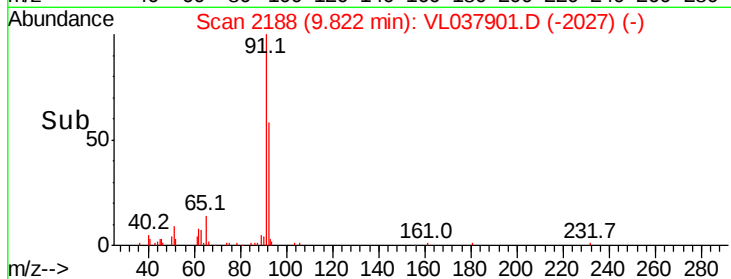
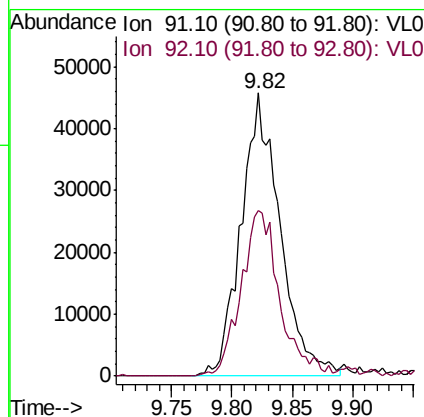
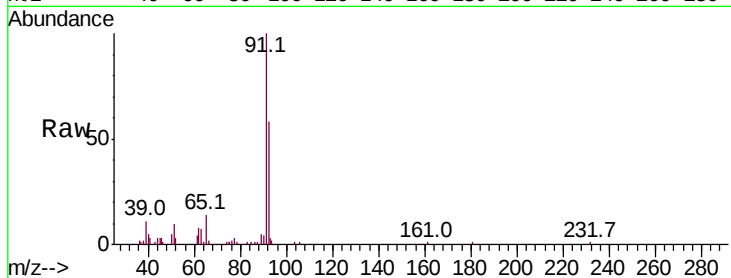
92 58.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#54

1,2-Dibromoethane

Concen: 0.333 ppbv m

RT: 10.63 min Scan# 2438

Delta R.T. 0.01 min

Lab File: VL037901.D

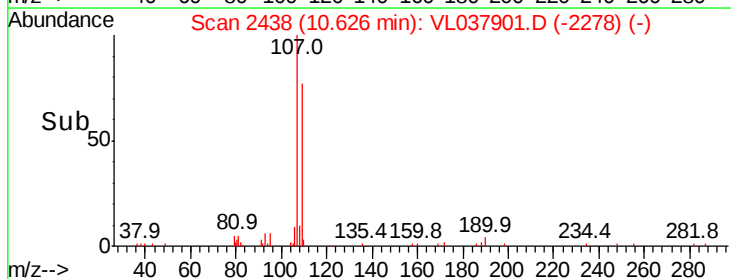
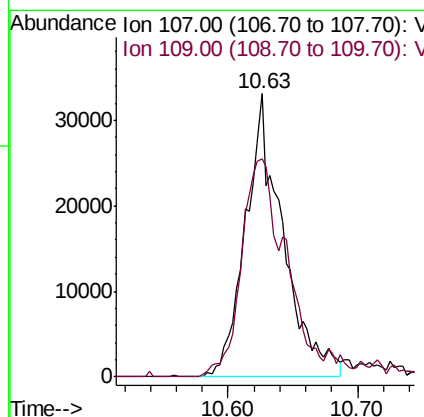
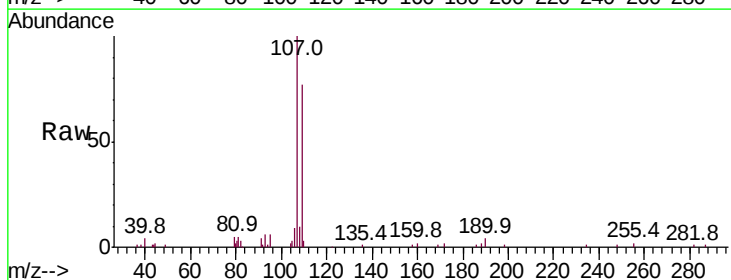
Acq: 25 Oct 2021 19:55

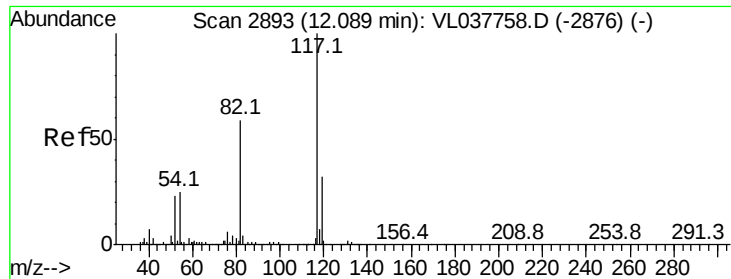
Tgt Ion:107 Resp: 66195

Ion Ratio Lower Upper

107 100

109 77.1 73.8 110.6



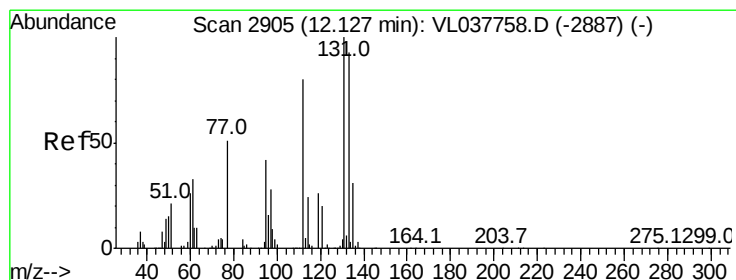
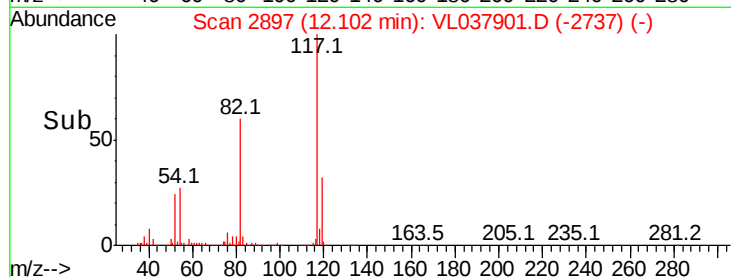
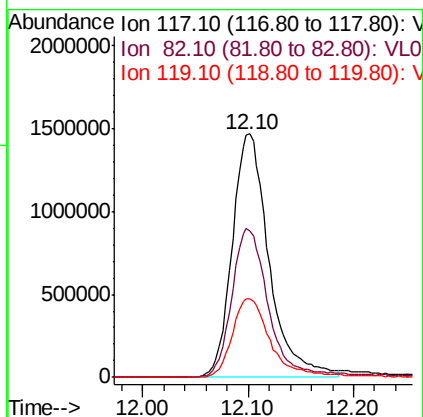
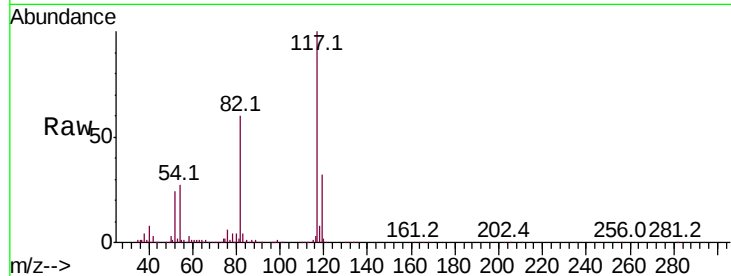


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: ClientSampleId :
Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:1
Ion Rati
117 100
82 62.
119 34.

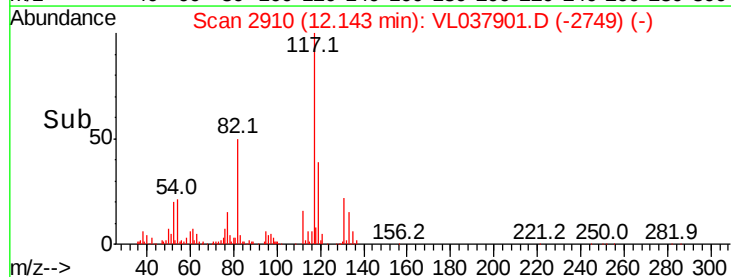
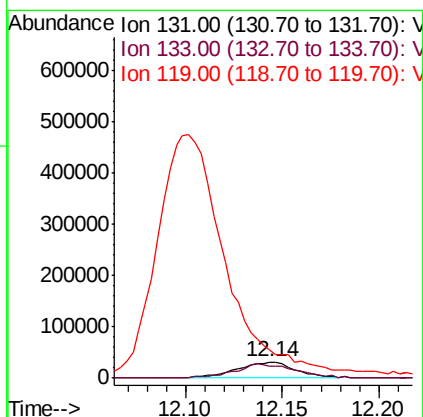
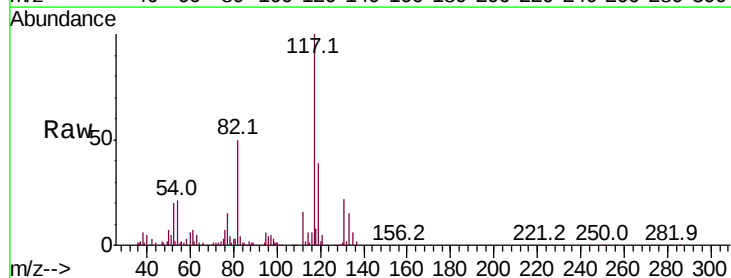
Manual Integrations
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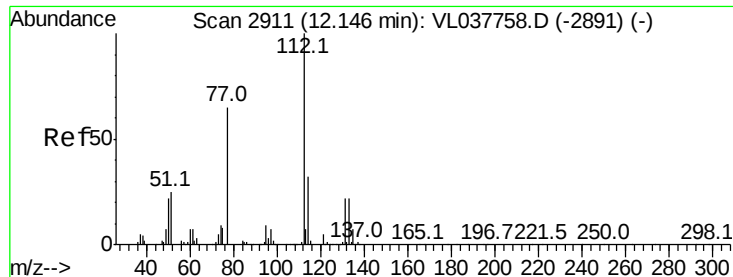
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 0.449 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:131 Resp: 66092
Ion Ratio Lower Upper
131 100
133 94.9 78.5 117.7
119 1843.6 51.7 77.5#





#57

Chlorobenzene

Concen: 0.440 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:1

Ion Rati

112 100

77 56.

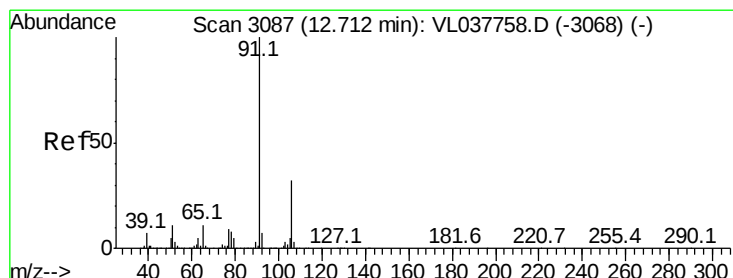
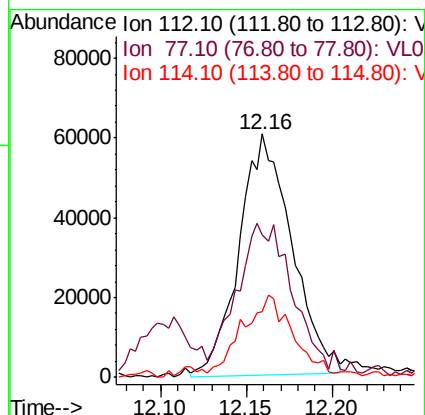
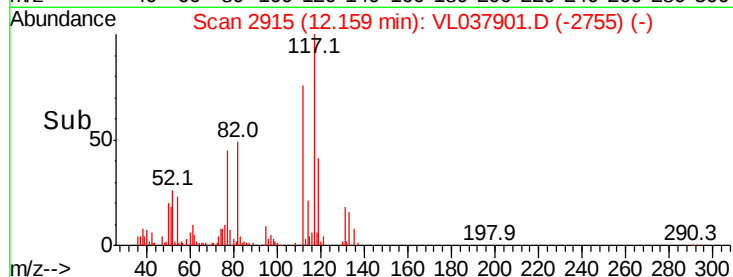
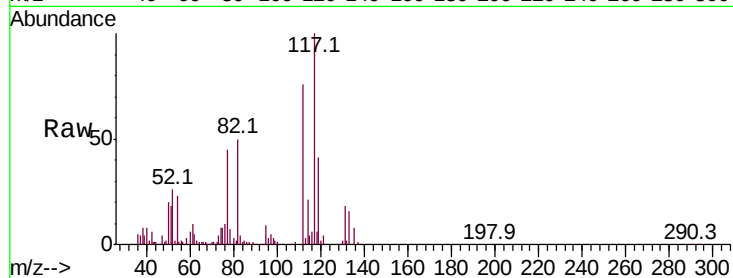
114 25.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#58

Ethyl Benzene

Concen: 0.269 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.01 min

Lab File: VL037901.D

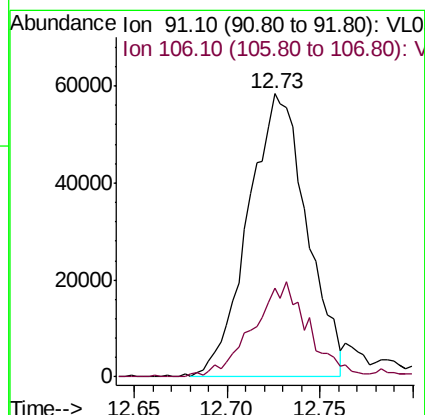
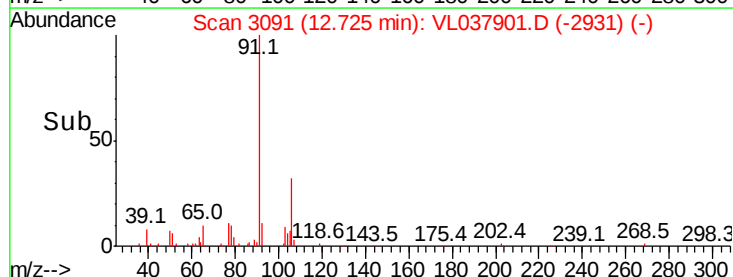
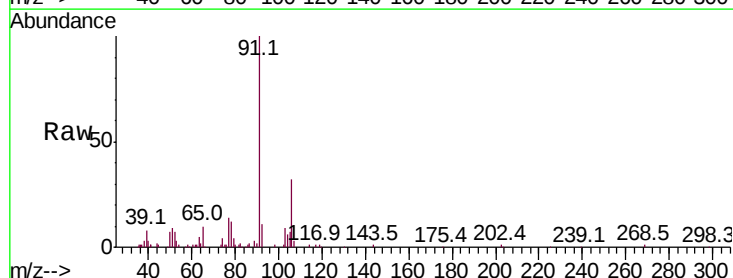
Acq: 25 Oct 2021 19:55

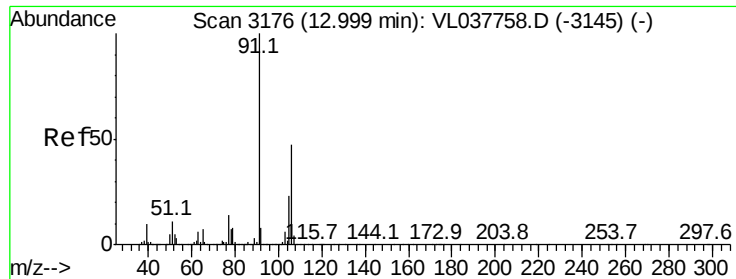
Tgt Ion: 91 Resp: 128475

Ion Ratio Lower Upper

91 100

106 30.5 25.3 37.9



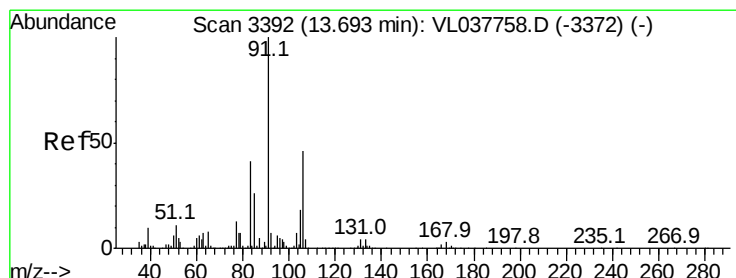
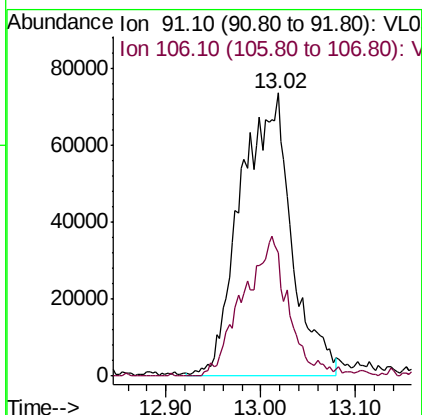
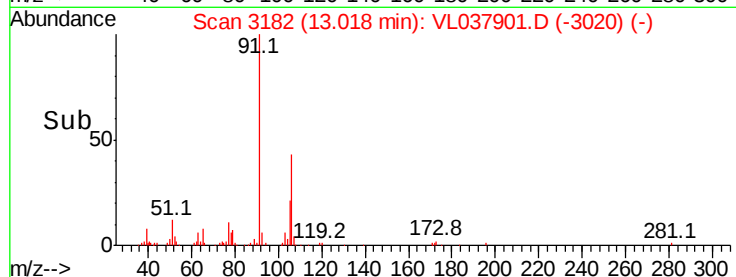
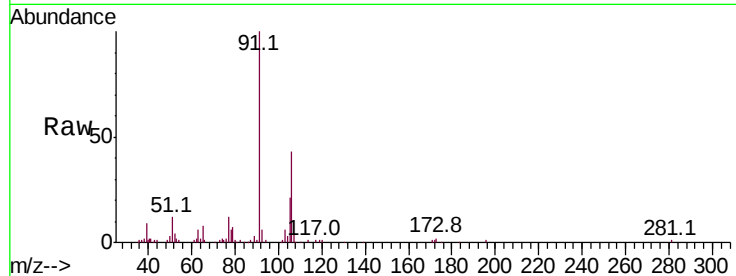


#59
m/p-Xylene
Concen: 0.671 ppbv m
RT: 13.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:
Ion Ratio
91 100
106 44.

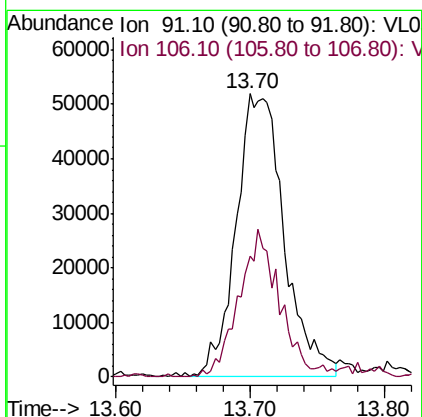
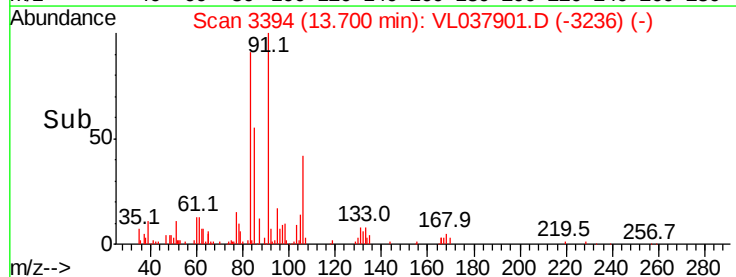
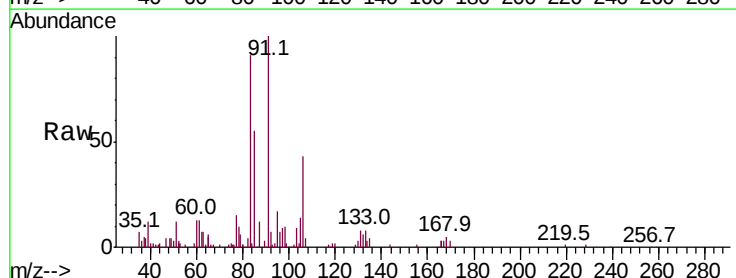
Manual Integrations
APPROVED

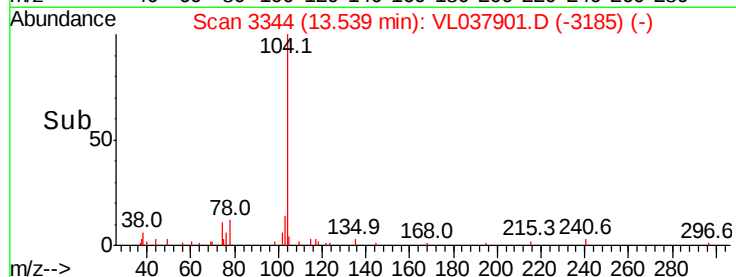
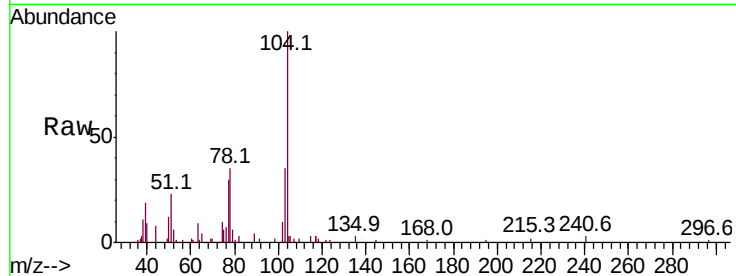
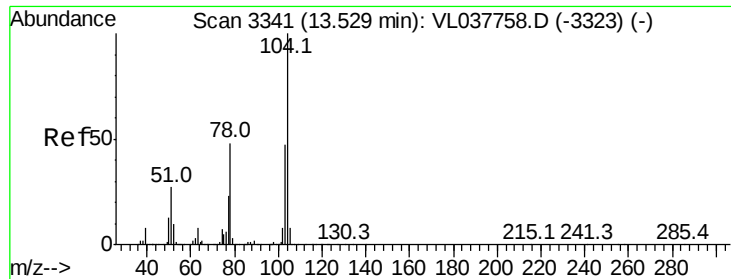
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#60
o-Xylene
Concen: 0.328 ppbv m
RT: 13.70 min Scan# 3394
Delta R.T. 0.01 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 91 Resp: 129000
Ion Ratio Lower Upper
91 100
106 45.3 23.5 70.5



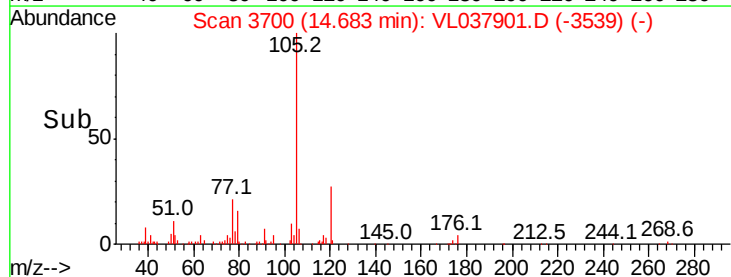
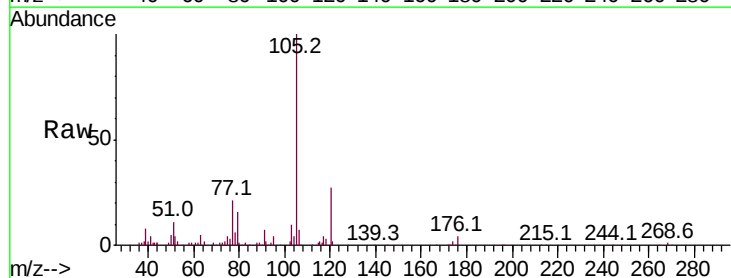
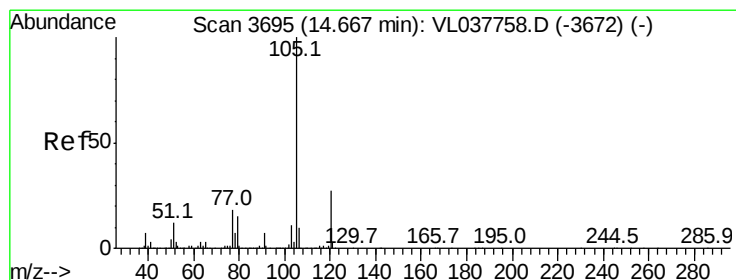
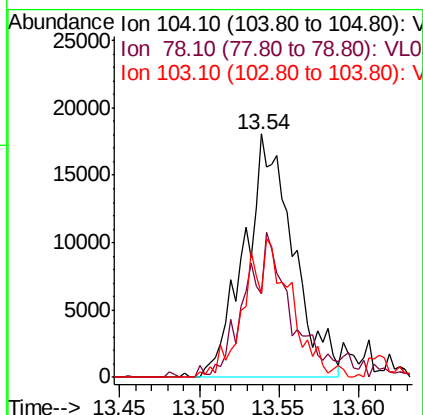


#61
Stvrene
Concen: 0.202 ppbv m
RT: 13.54
Instrument: MSVOA_L
Delta R.T.:
Client SampleId:
Lab File: MDL-AIR-03-QT4-2021
Acq: 25 Oct 2021 19:55

Tot Ion:1
Ion Rati
104 100
78 60.
103 53.

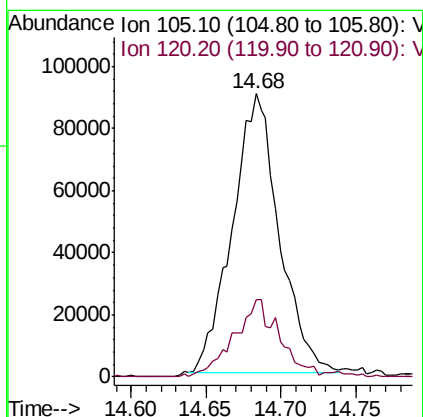
Manual Integrations
APPROVED

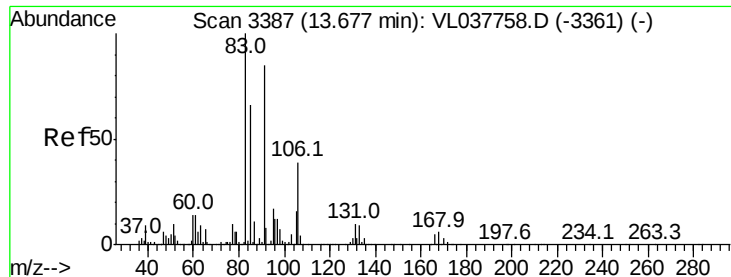
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#62
Isopropylbenzene
Concen: 0.358 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:105 Resp: 196253
Ion Ratio Lower Upper
105 100
120 27.6 21.3 31.9



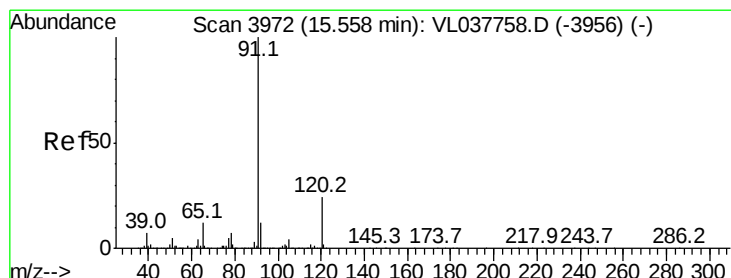
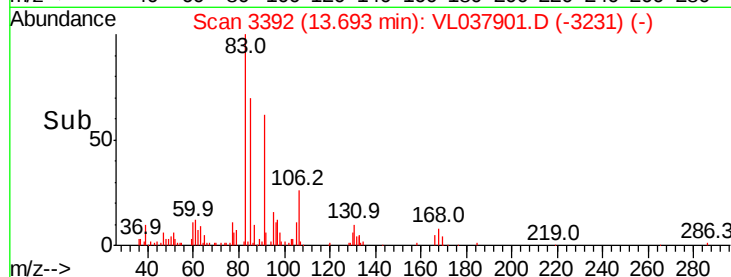
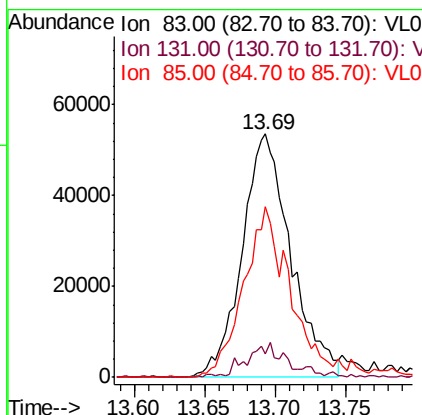
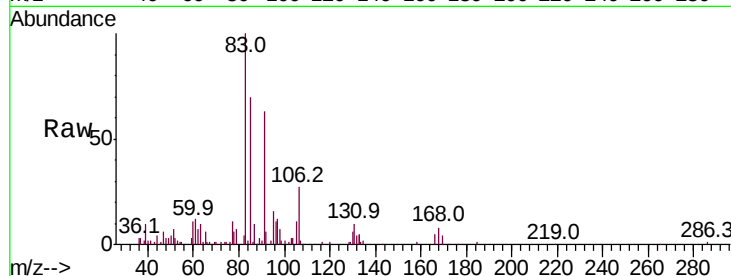


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.426 ppbv
 RT: 13.69
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:
 Ion Ratio
 83 100
 131 12.
 85 70.

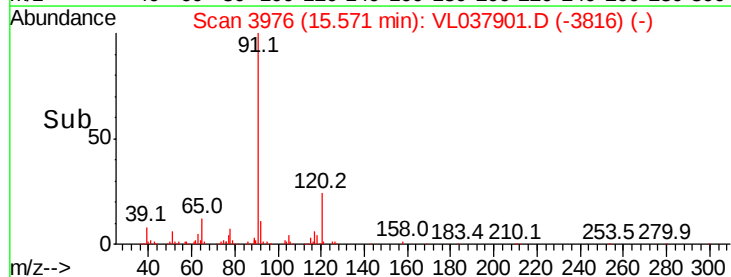
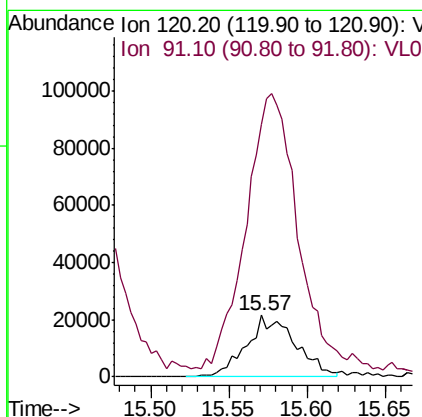
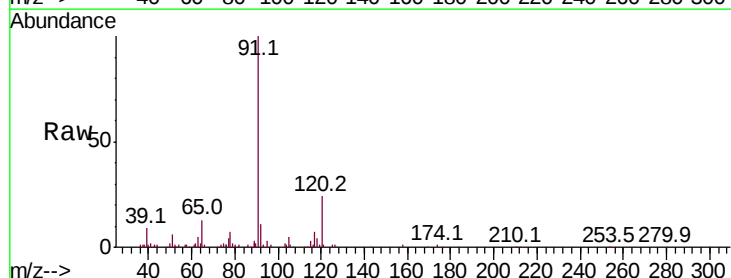
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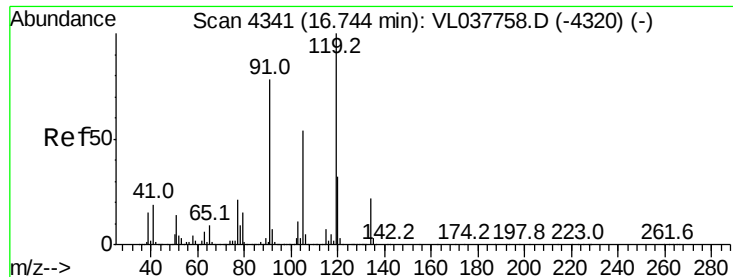
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#64
 n-propylbenzene
 Concen: 0.339 ppbv m
 RT: 15.57 min Scan# 3976
 Delta R.T. 0.01 min
 Lab File: VL037901.D
 Acq: 25 Oct 2021 19:55

Tgt Ion:120 Resp: 46405
 Ion Ratio Lower Upper
 120 100
 91 0.0 375.0 562.6#



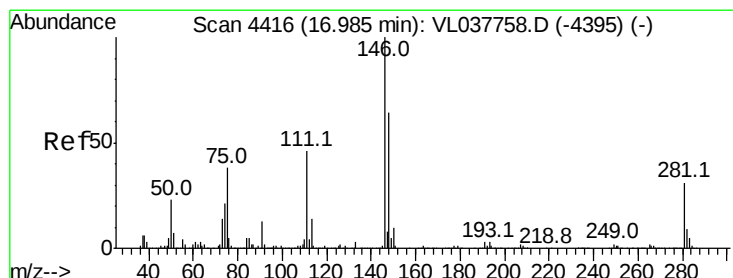
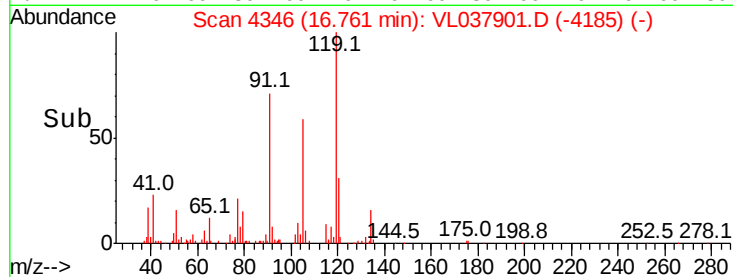
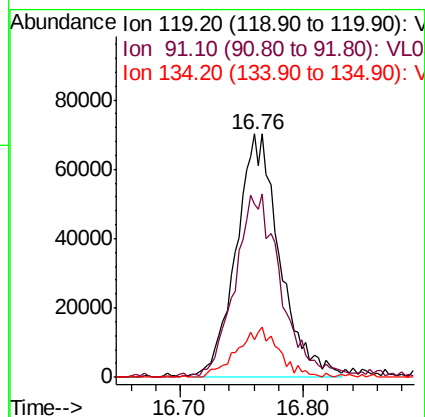
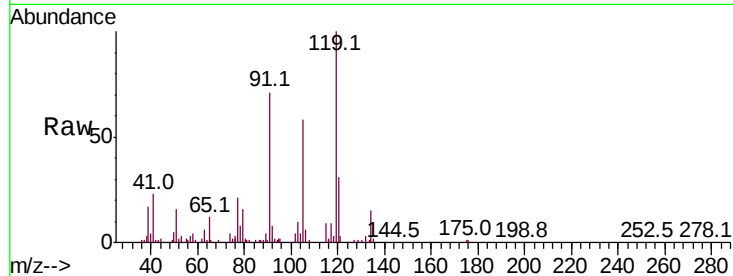


#65
tert-Butylbenzene
Concen: 0.358 ppbv m
RT: 16.76 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion: 1
Ion Ratio
119 100
91 0.
134 0.

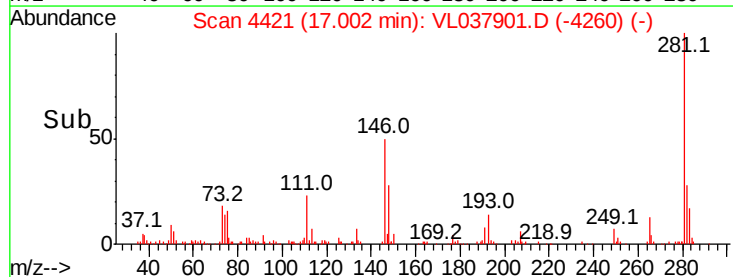
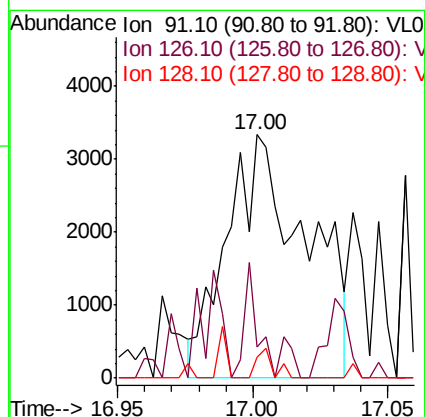
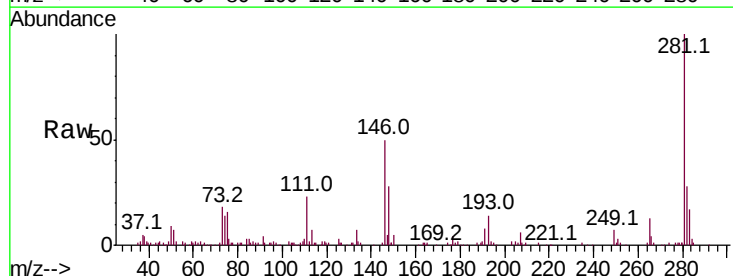
Manual Integrations
APPROVED

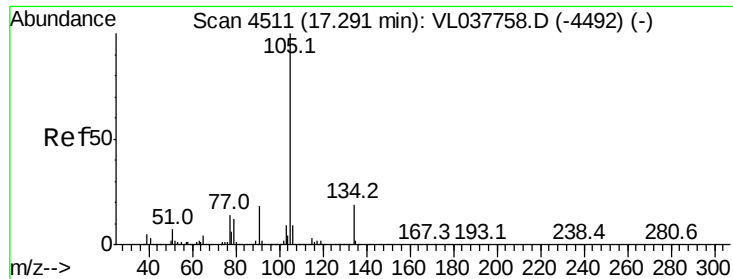
Reviewed By : Semsettin Yesilyurt 10/27/2021
Supervised By : Mahesh Dadoda 10/27/2021



#66
Benzyl Chloride
Concen: 0.287 ppbv m
RT: 17.00 min Scan# 4421
Delta R.T.: 0.02 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion: 91 Resp: 6839
Ion Ratio Lower Upper
91 100
126 25.4 0.0 0.0#
128 2.5 5.3 7.9#





#67

sec-Butylbenzene

Concen: 0.359 ppbv m

RT: 17.32

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:1

Ion Ratio

105 100

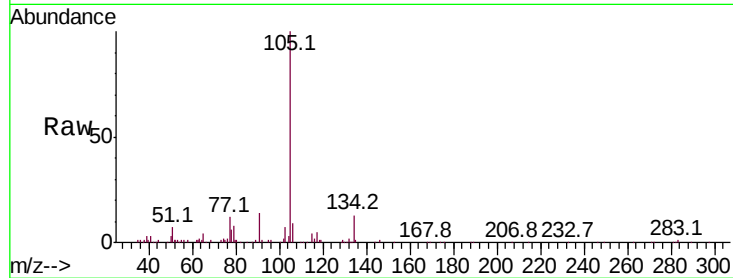
134 0.

Manual Integrations

APPROVED

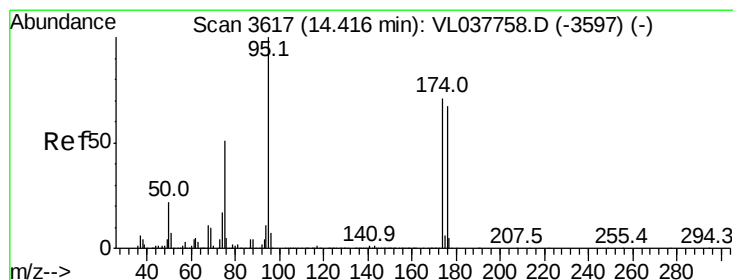
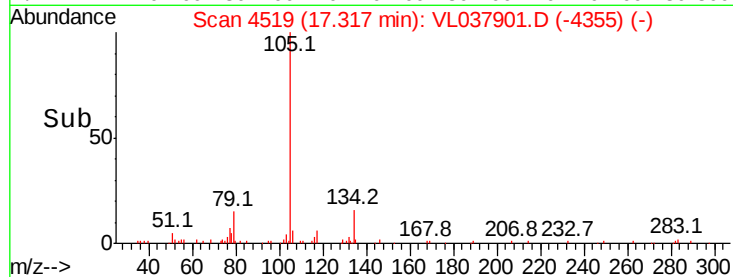
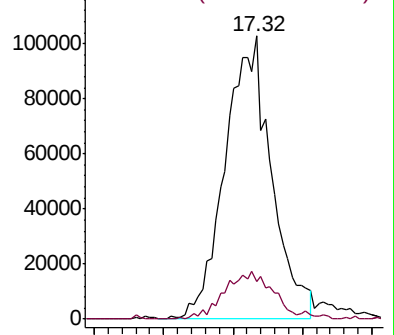
Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.181 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.01 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

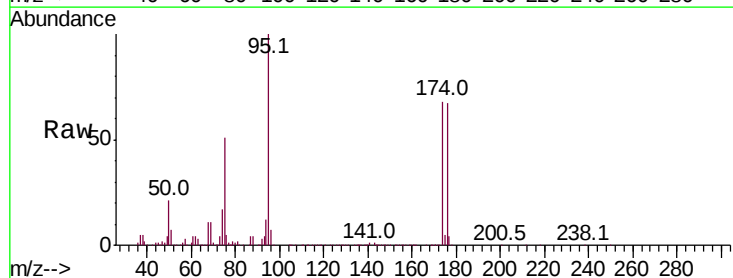
Tgt Ion: 95 Resp: 2533693

Ion Ratio Lower Upper

95 100

174 73.7 57.8 86.6

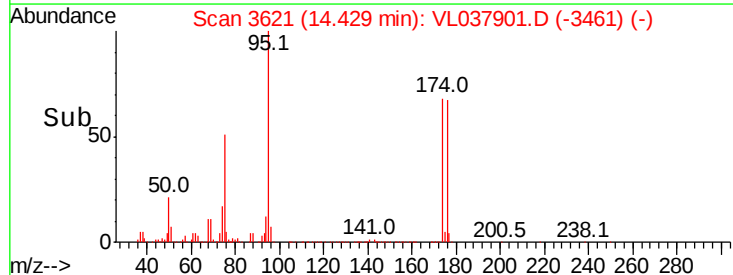
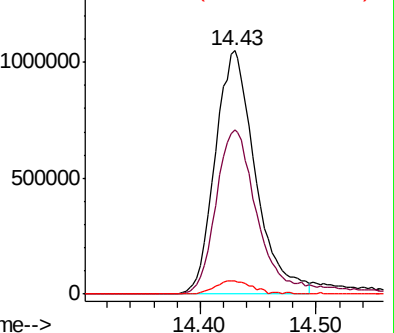
175 5.5 4.7 7.1

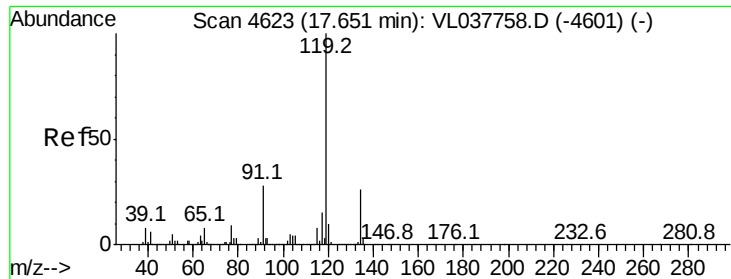


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



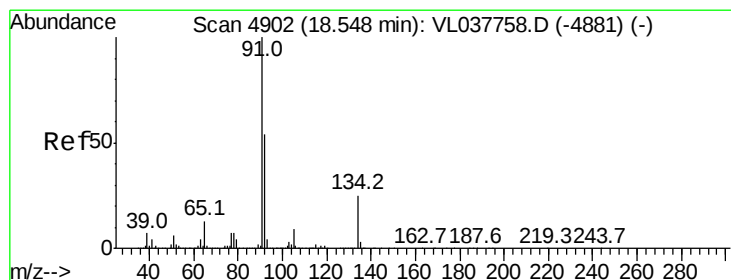
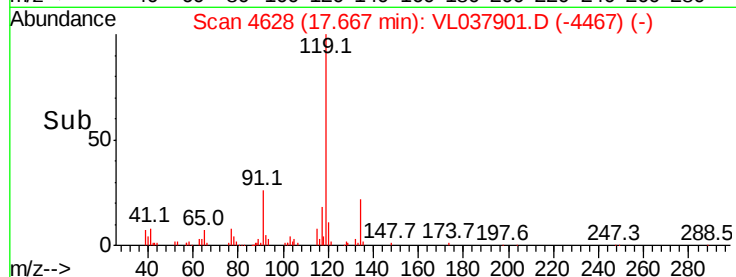
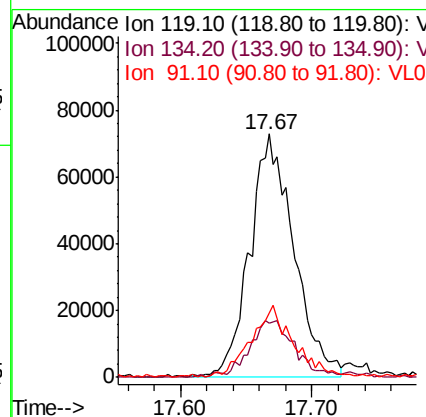
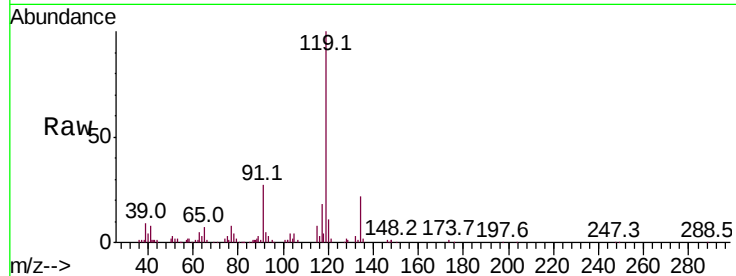


#69
 p-Isopropyltoluene
 Concen: 0.318 ppbv
 RT: 17.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

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

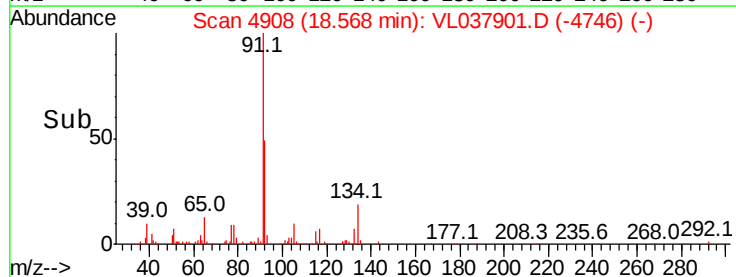
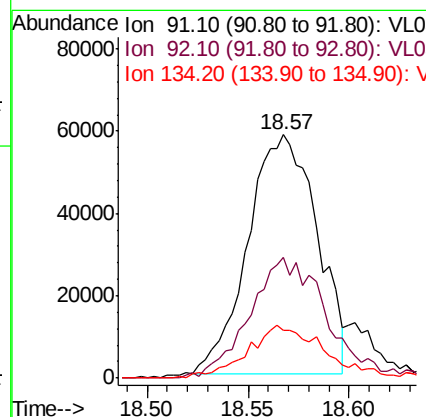
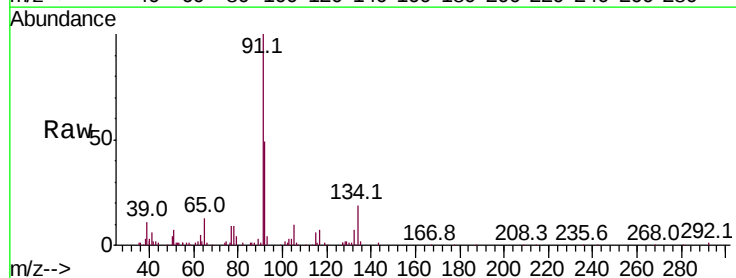
Manual Integrations
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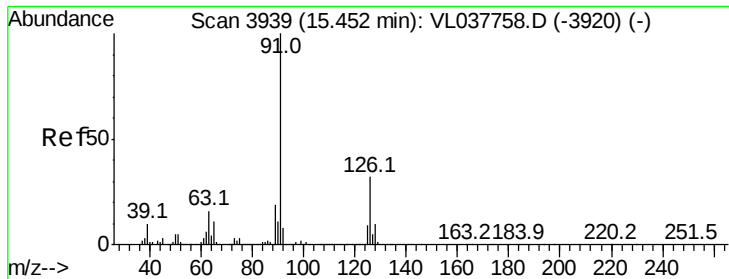
Reviewed By : Semsettin Yesilyurt 10/27/2021
 Supervised By : Mahesh Dadoda 10/27/2021



#70
 n-Butylbenzene
 Concen: 0.273 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T.: 0.02 min
 Lab File: VL037901.D
 Acq: 25 Oct 2021 19:55

Tgt Ion: 91 Resp: 138585
 Ion Ratio Lower Upper
 91 100
 92 55.7 43.4 65.0
 134 24.5 19.8 29.6





#71

2-Chlorotoluene

Concen: 0.324 ppbv

RT: 15.47

Delta R.T. MSVOA_L

Lab File:

Acq: 25 Oct 2021

ClientSampleId :
MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

91 100

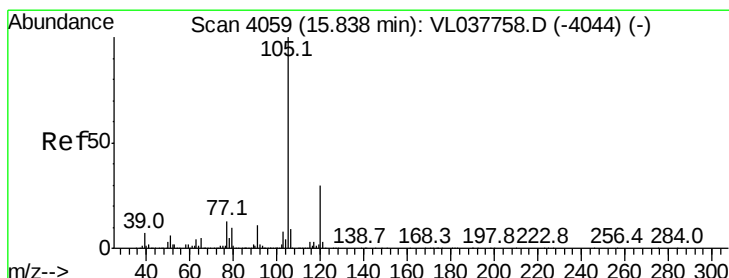
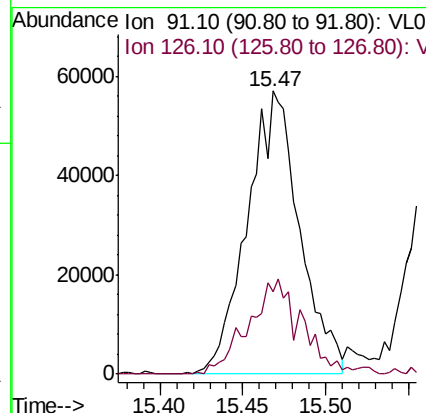
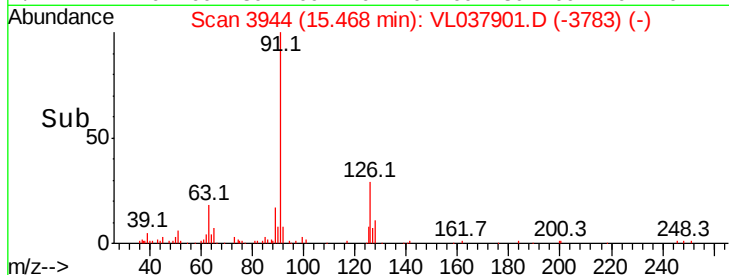
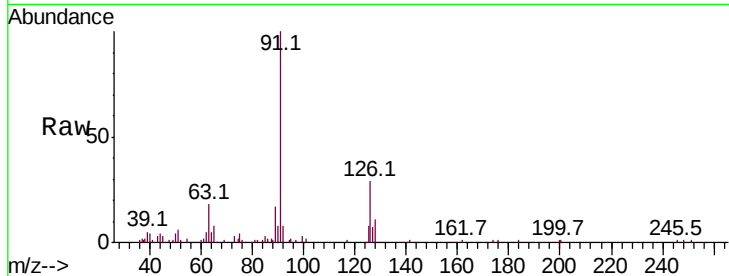
126 34.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#72

4-Ethyltoluene

Concen: 0.269 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.02 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

Tgt Ion:105 Resp: 120272

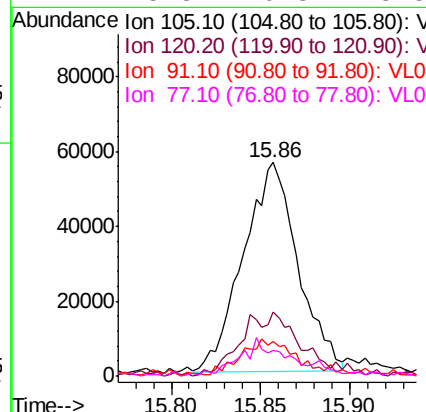
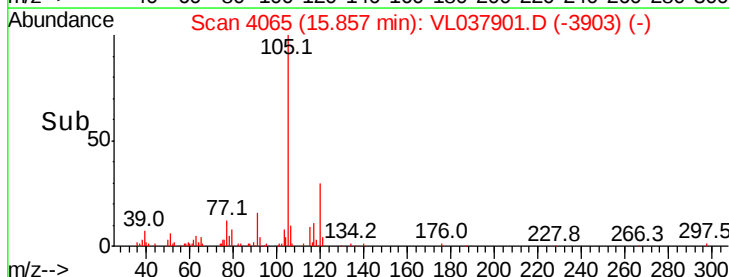
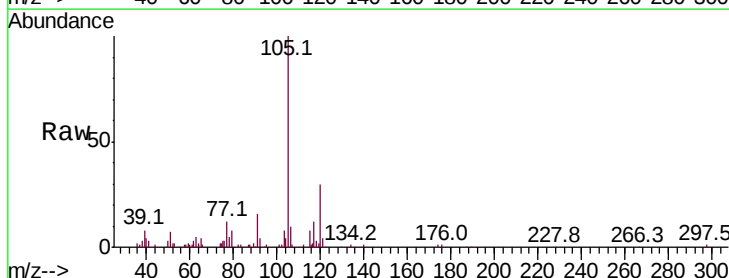
Ion Ratio Lower Upper

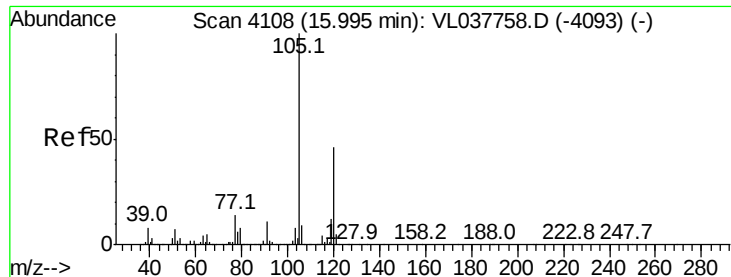
105 100

120 34.4 24.2 36.2

91 18.7 10.4 15.6#

77 18.3 10.3 15.5#



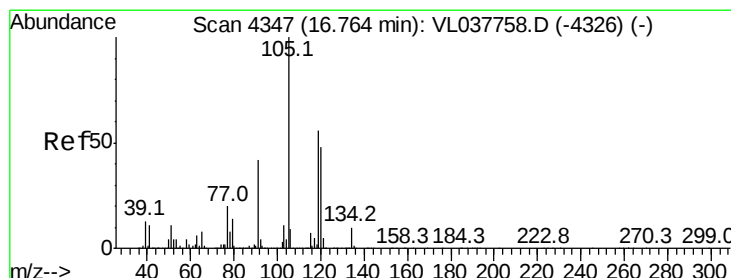
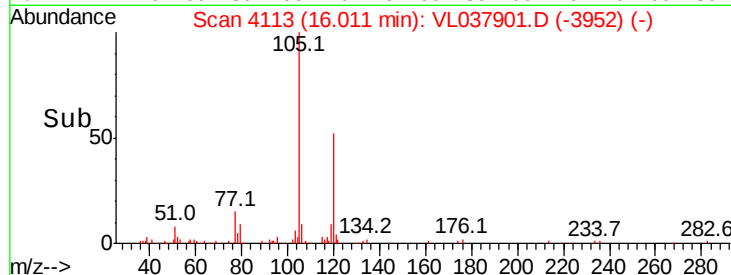
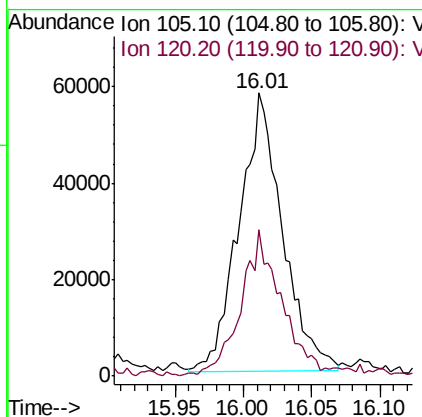
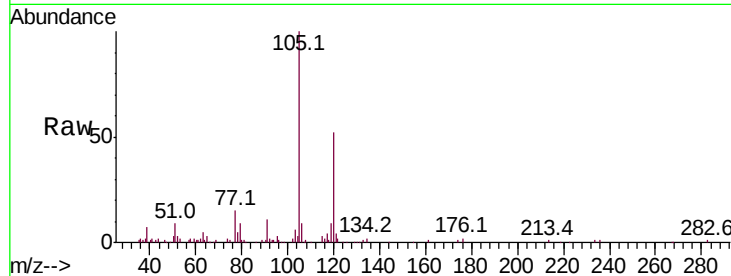


#73
 1,3,5-Trimethylbenzene
 Concen: 0.314 ppbv
 RT: 16.01 min
 Instrument: MSVOA_1
 Delta R.T.: 0.01 min
 Lab File: ClientSampleId :
 MDL-AIR-03-QT4-2021
 Acq: 25 Oct 2021 19:55

Tot Ion:1
 Ion Rati
 105 100
 120 51.

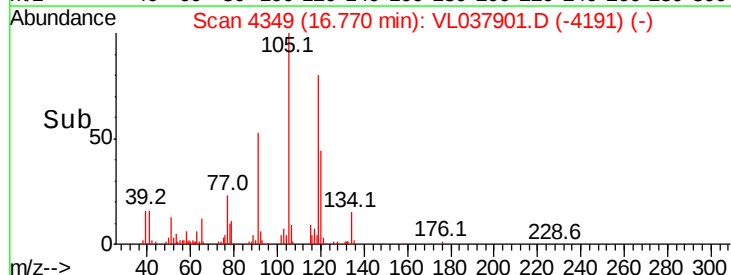
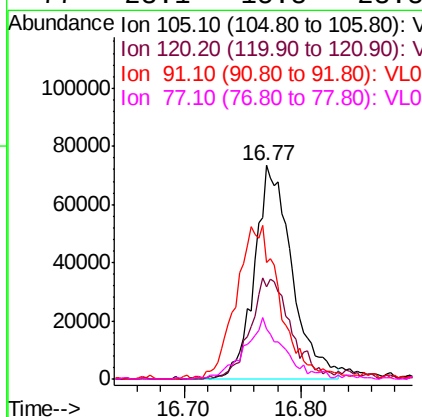
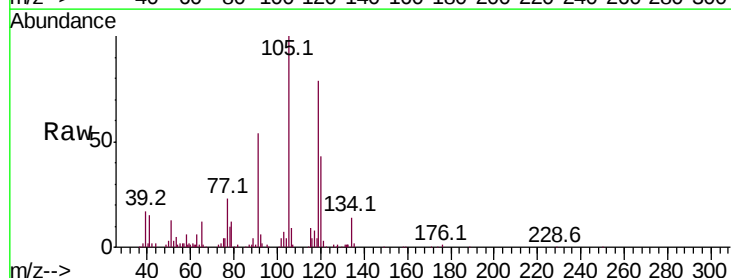
Manual Integrations
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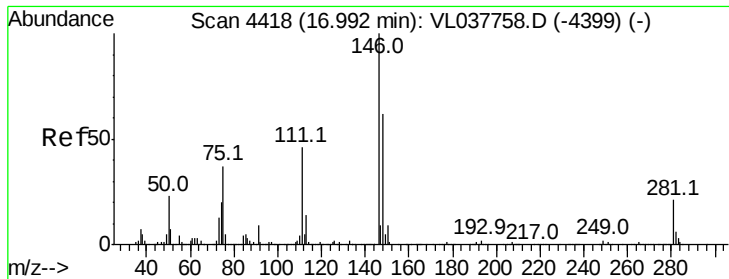
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 0.382 ppbv m
 RT: 16.77 min Scan# 4349
 Delta R.T.: 0.01 min
 Lab File: VL037901.D
 Acq: 25 Oct 2021 19:55

Tgt Ion:105 Resp: 162460
 Ion Ratio Lower Upper
 105 100
 120 43.2 38.4 57.6
 91 54.4 34.2 51.2#
 77 23.1 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 0.411 ppbv m

RT: 17.01

Delta R.T. MSVOA_L

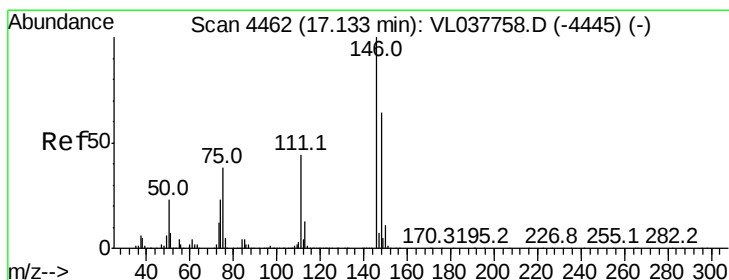
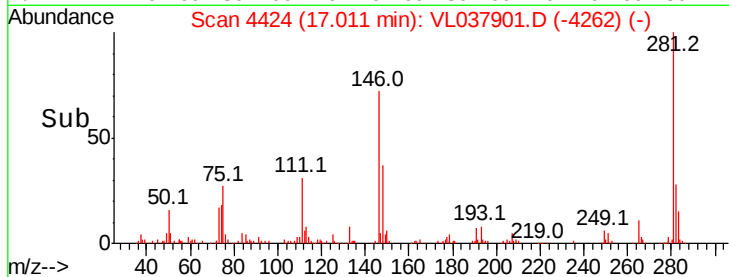
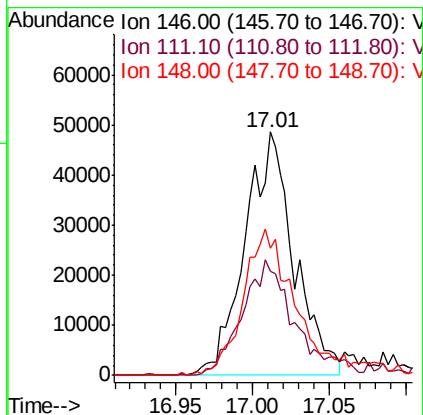
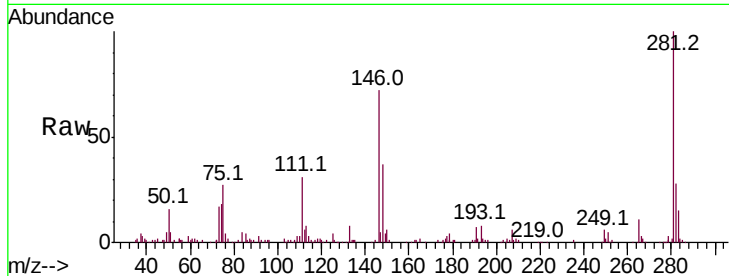
Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-QT4-2021

Tot Ion:1
Ion Rati
146 100
111 53.
148 66.

Manual Integrations
APPROVED

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



#76

1,4-Dichlorobenzene

Concen: 0.393 ppbv m

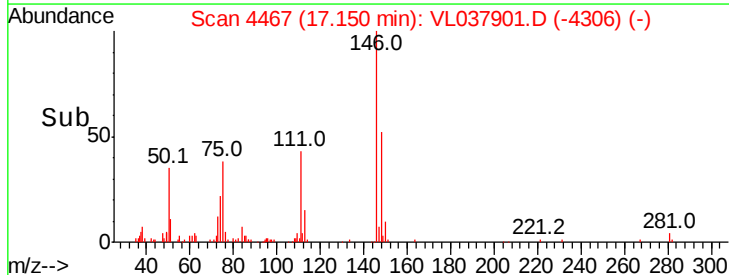
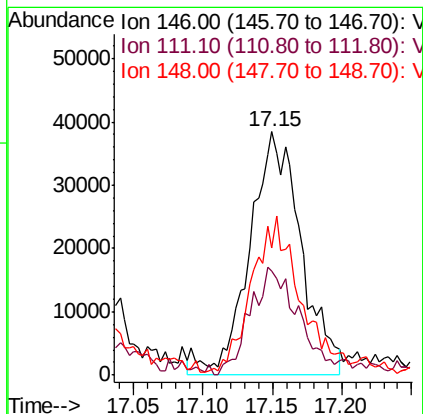
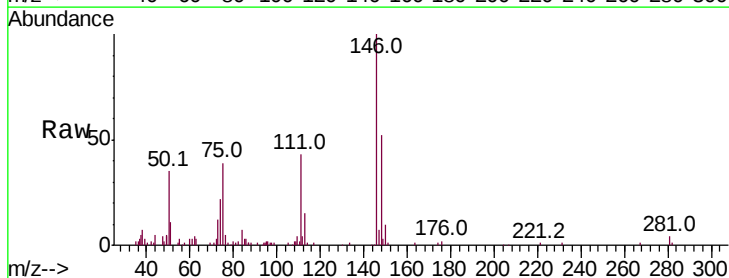
RT: 17.15 min Scan# 4467

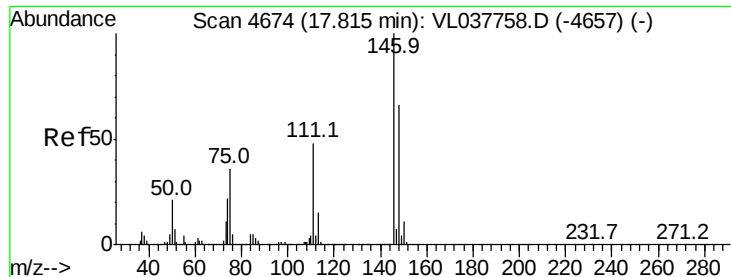
Delta R.T. 0.02 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

Tgt Ion:146 Resp: 98951
Ion Ratio Lower Upper
146 100
111 47.4 22.4 67.3
148 66.3 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 0.359 ppbv

RT: 17.83

Delta R.T. MSVOA_L

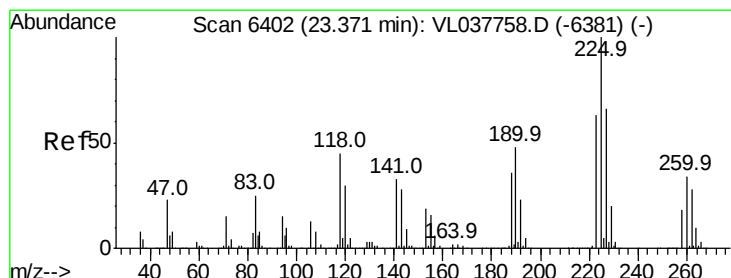
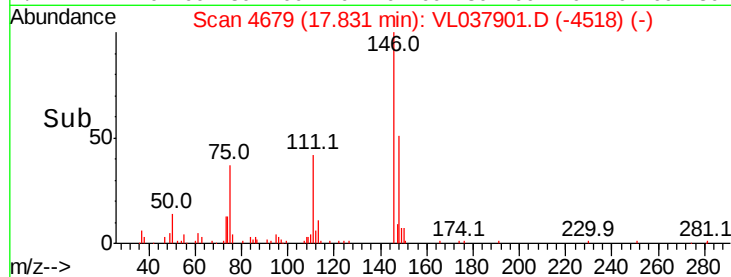
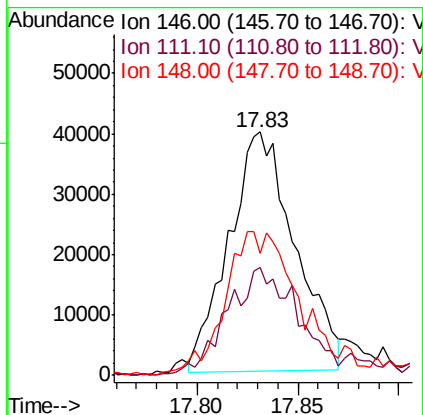
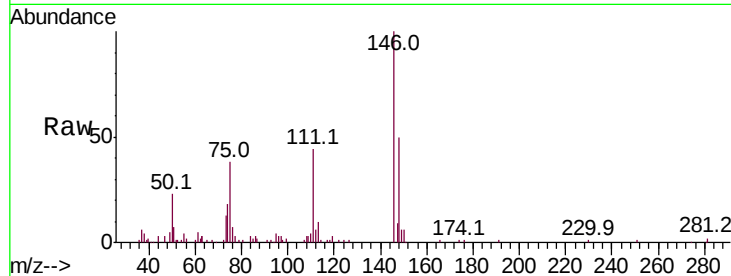
Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:1
Ion Rati
146 100
111 53.
148 72.

Manual Integrations
APPROVED

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



#78

Hexachloro-1,3-Butadiene

Concen: 0.449 ppbv

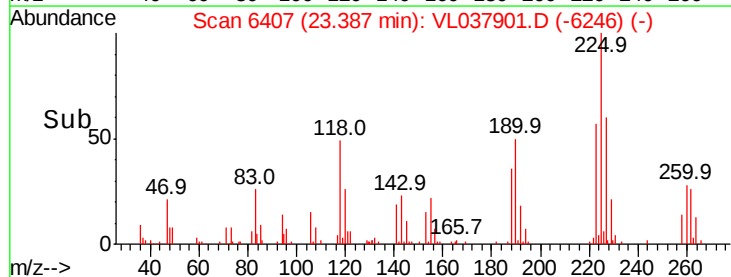
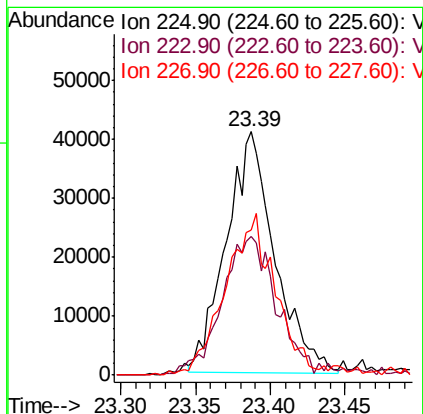
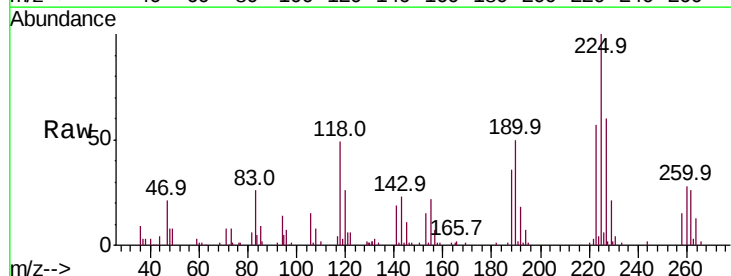
RT: 23.39 min Scan# 6407

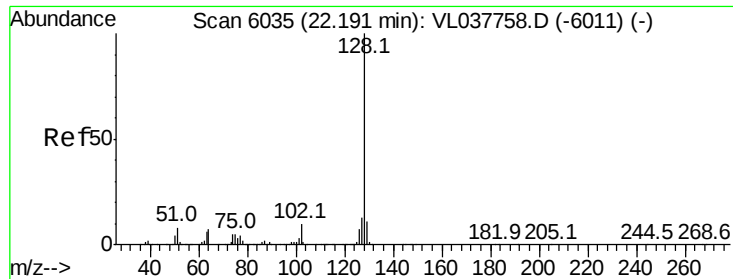
Delta R.T. 0.02 min

Lab File: VL037901.D

Acq: 25 Oct 2021 19:55

Tgt Ion:225 Resp: 92833
Ion Ratio Lower Upper
225 100
223 65.4 51.2 76.8
227 70.2 51.1 76.7



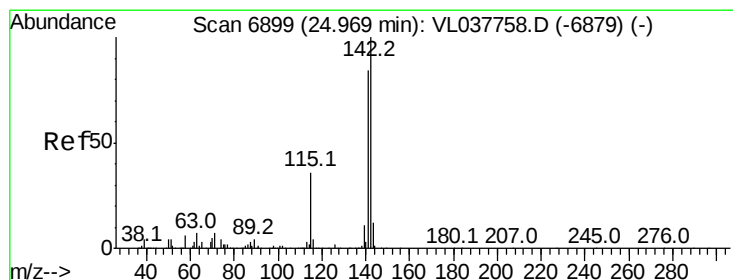
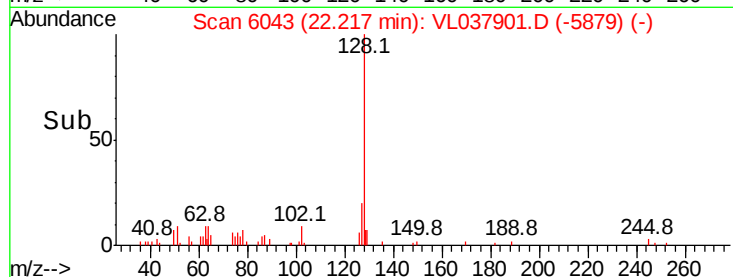
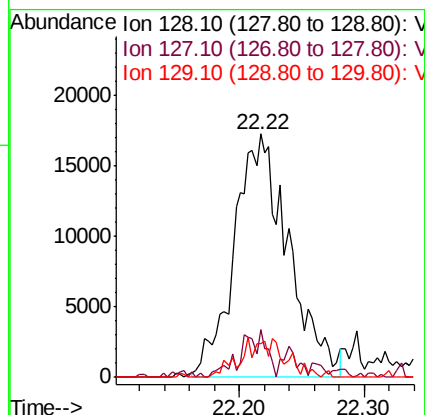
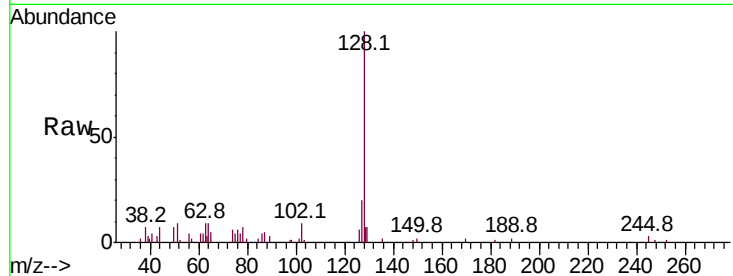


#79
Naphthalene
Concen: 0.200 ppbv m
RT: 22.22
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampled :
Acq: 25 Oct 2021 19:55 MDL-AIR-03-OT4-2021

Tot Ion:1
Ion Rati
128 100
127 19.
129 7.

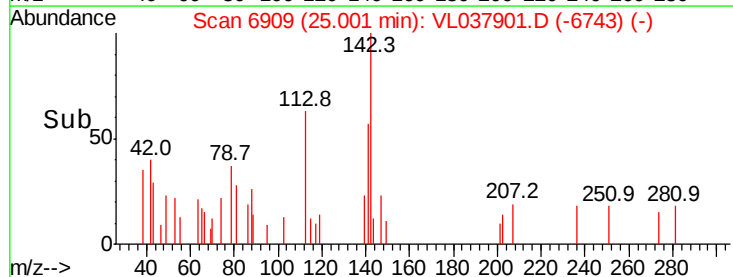
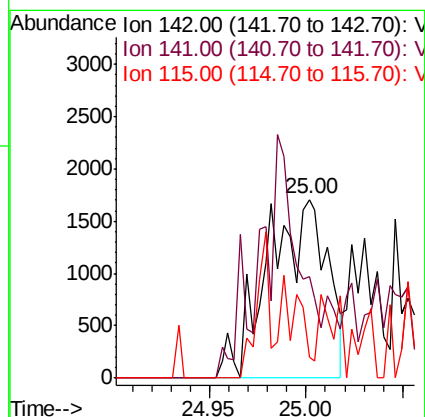
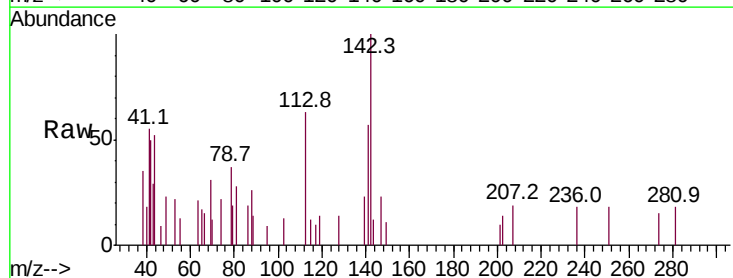
Manual Integrations
APPROVED

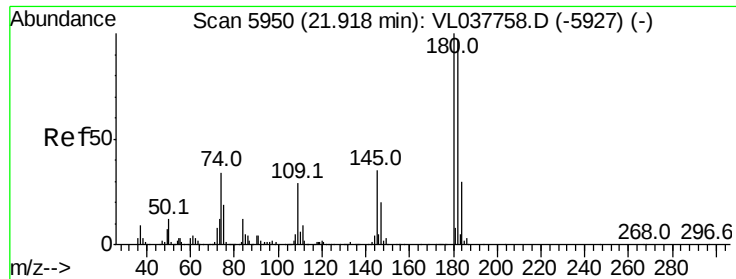
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#80
Naphthalene, 2-methyl-
Concen: 0.053 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.03 min
Lab File: VL037901.D
Acq: 25 Oct 2021 19:55

Tgt Ion:142 Resp: 3690
Ion Ratio Lower Upper
142 100
141 107.6 68.6 102.8#
115 58.5 29.0 43.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.281 ppbv m
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 MDL-AIR-03-QT4-2021
 Acq: 25 Oct 2021 19:55

Tot Ion:1
 Ion Rati
 180 100
 182 100.
 184 32.

Manual Integrations
 APPROVED

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

