

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037925.D
 Acq On : 27 Oct 2021 20:52
 Operator : SY/AP
 Sample : M4068-13 0.1 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2021

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2021
 Supervised By : Mahesh Dadoda 10/29/2021

Quant Time: Oct 28 13:43:23 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1288533	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3889029	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3298194	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2339924	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	24369m	0.118	ppbv
3) Chlorodifluoromethane	3.00	51	27642m	0.112	ppbv
4) Chloromethane	3.15	50	10815	0.119	ppbv 91
5) Vinyl Chloride	3.28	62	9593m	0.115	ppbv
6) Bromomethane	3.48	94	5505m	0.122	ppbv
7) Chloroethane	3.56	64	3788m	0.124	ppbv
8) Dichlorotetrafluoroethane	3.20	85	23893	0.117	ppbv 95
9) Propene	3.04	41	17128m	0.188	ppbv
10) Heptane	8.14	43	13581m	0.066	ppbv
11) Trichlorofluoromethane	3.96	101	20195m	0.110	ppbv
12) 1,1,2-Trichlorotrifluoroet	4.50	101	17646m	0.127	ppbv
14) Bromoethene	3.75	108	8040m	0.131	ppbv
15) Acetone	3.89	43	13142m	0.114	ppbv
16) 1,3-Butadiene	3.34	39	7425	0.088	ppbv # 76
17) tert-Butyl alcohol	4.36	59	12640m	0.106	ppbv
18) 1,1-Dichloroethene	4.30	96	8536m	0.135	ppbv
19) Isopropyl Alcohol	4.01	45	8212m	0.114	ppbv
20) Methylene Chloride	4.36	84	16689	0.286	ppbv 85
21) Allvl Chloride	4.42	41	11384m	0.111	ppbv
22) trans-1,2-Dichloroethene	4.90	96	8114m	0.128	ppbv
23) Vinyl Acetate	5.10	43	17371m	0.100	ppbv
24) 1,1-Dichloroethane	5.02	63	17509m	0.139	ppbv
25) Ethyl Acetate	5.71	43	30857m	0.095	ppbv
26) Hexane	5.70	57	13442m	0.084	ppbv
27) Carbon Disulfide	4.56	76	13280m	0.094	ppbv
28) Methyl tert-Butyl Ether	5.07	73	13804m	0.104	ppbv
29) Chloroform	5.76	83	26060m	0.114	ppbv
30) Cyclohexane	7.17	84	16335m	0.121	ppbv
31) cis-1,2-Dichloroethene	5.55	61	10781m	0.074	ppbv
32) 1,1,1-Trichloroethane	6.53	97	23131m	0.107	ppbv
34) 2-Butanone	5.29	43	16370m	0.104	ppbv
35) Carbon Tetrachloride	7.02	117	20379m	0.092	ppbv
36) Benzene	6.90	78	24734m	0.074	ppbv
37) 1,2-Dichloroethane	6.32	62	11960	0.076	ppbv # 93
38) Trichloroethene	7.85	130	10923m	0.083	ppbv
39) 1,2-Dichloropropane	7.63	63	12350m	0.099	ppbv
40) 1,4-Dioxane	7.91	88	2534m	0.081	ppbv
41) Tetrahydrofuran	6.10	42	4695m	0.061	ppbv
42) Bromodichloromethane	7.80	83	21275m	0.093	ppbv
43) Methyl Methacrylate	8.04	69	5578m	0.051	ppbv
44) 2,2,4-Trimethylpentane	7.88	57	33679m	0.060	ppbv

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Manual Integrations
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 Supervised By : Mahesh Dadoda 10/29/2021

Quant Time: Oct 28 13:43:23 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	4277m	0.057	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	6609m	0.064	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	12069m	0.089	ppbv	
48) Dibromochloromethane	10.31	129	15194m	0.078	ppbv	
49) Bromoform	13.04	173	10704m	0.072	ppbv	
50) 4-Methyl-2-Pentanone	8.80	43	13073m	0.064	ppbv	
51) 2-Hexanone	10.18	43	4236m	0.046	ppbv	
52) Tetrachloroethene	11.23	164	10719m	0.083	ppbv	
53) Toluene	9.82	91	19622m	0.053	ppbv	
54) 1,2-Dibromoethane	10.62	107	13103m	0.071	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	16798m	0.123	ppbv	
57) Chlorobenzene	12.16	112	32529m	0.120	ppbv	
58) Ethyl Benzene	12.73	91	21766m	0.049	ppbv	
59) m/p-Xylene	12.99	91	37345m	0.098	ppbv	
60) o-Xylene	13.69	91	18690m	0.051	ppbv	
61) Styrene	13.54	104	9013m	0.051	ppbv	
62) Isopropylbenzene	14.67	105	36227m	0.071	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	27077m	0.096	ppbv	
64) n-propylbenzene	15.56	120	6824m	0.054	ppbv	
65) tert-Butylbenzene	16.75	119	25773m	0.058	ppbv	
66) Benzyl Chloride	17.00	91	2166m	0.098	ppbv	
67) sec-Butylbenzene	17.30	105	36090m	0.059	ppbv	
69) p-Isopropyltoluene	17.66	119	22303m	0.045	ppbv	
70) n-Butylbenzene	18.56	91	21208m	0.045	ppbv	
71) 2-Chlorotoluene	15.46	91	21105m	0.059	ppbv	
72) 4-Ethyltoluene	15.85	105	18401m	0.044	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	19054m	0.051	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	20030m	0.051	ppbv	
75) 1,3-Dichlorobenzene	17.01	146	28511m	0.117	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	18325m	0.079	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	17659m	0.075	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	21005m	0.110	ppbv	
79) Naphthalene	22.22	128	7361m	0.030	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	7544m	0.049	ppbv	

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

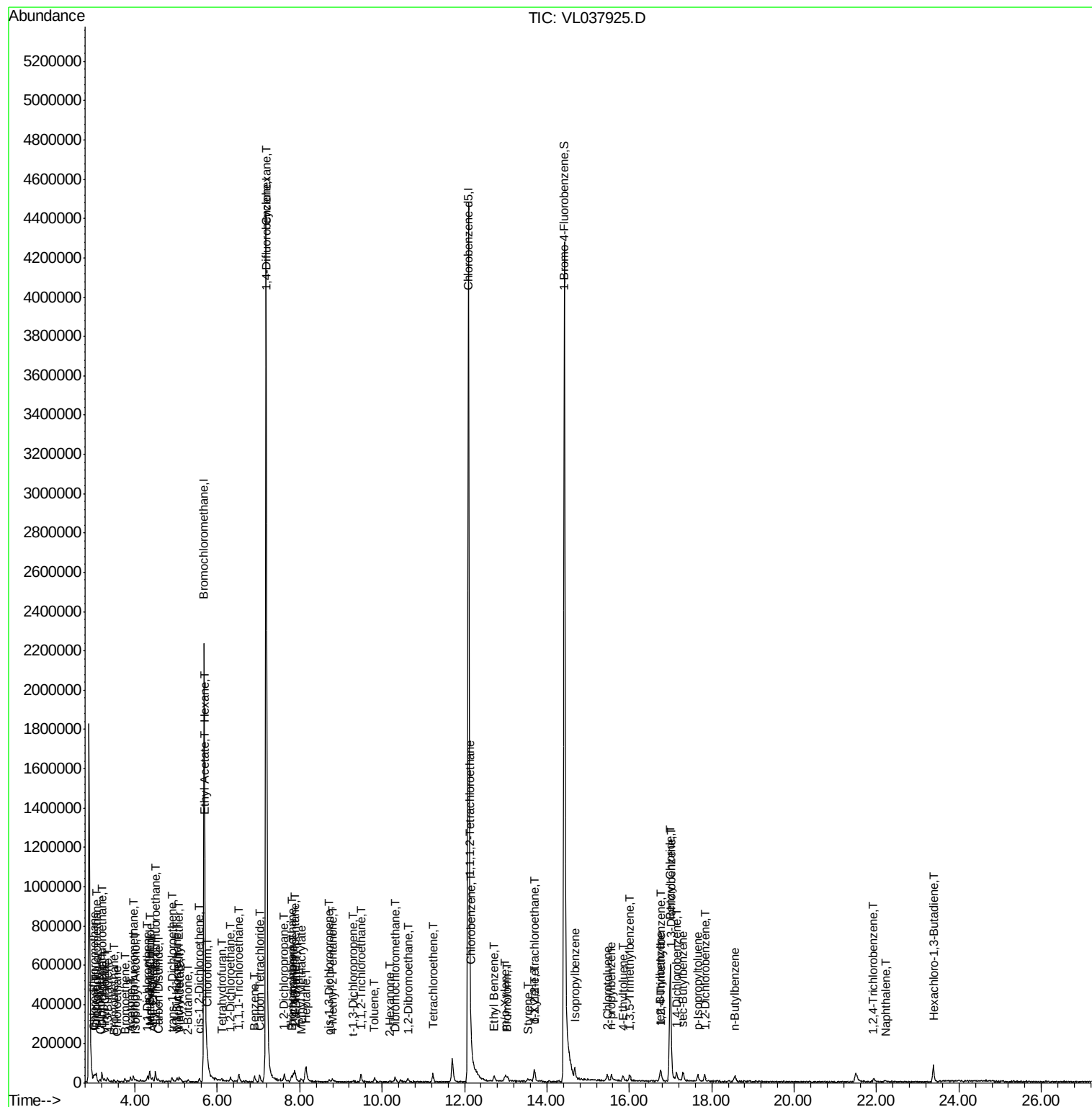
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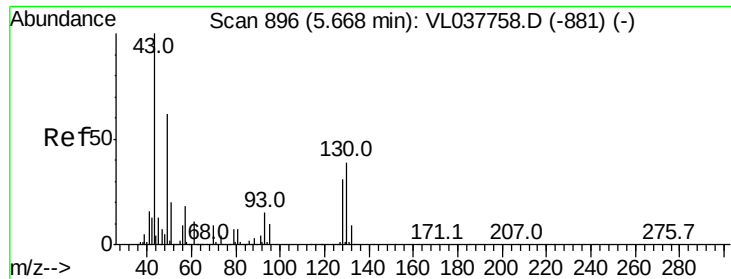
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2021

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021

Quant Time: Oct 28 13:43:23 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: LOD-MDL-AIR-01-QT4-2021

Acq: 27 Oct 2021 20:52

Tot Ion:

Ion Ratio

49 100

128 55.

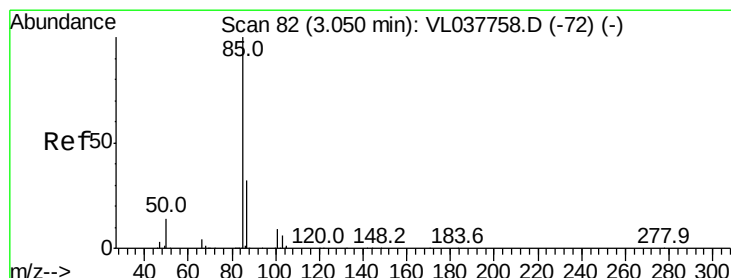
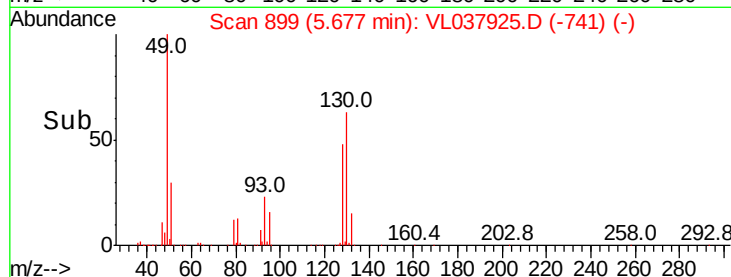
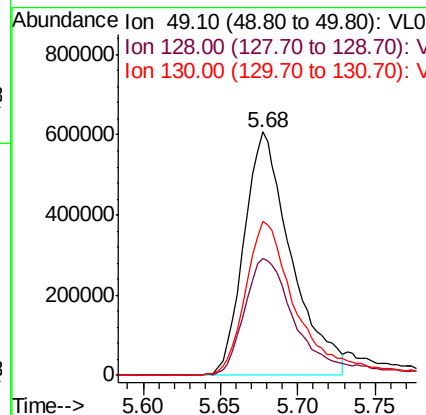
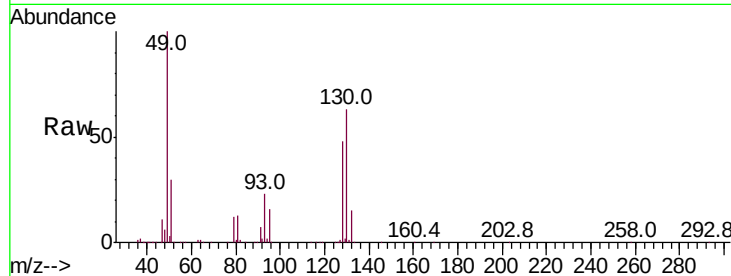
130 71.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#2

Dichlorodifluoromethane

Concen: 0.118 ppbv m

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL037925.D

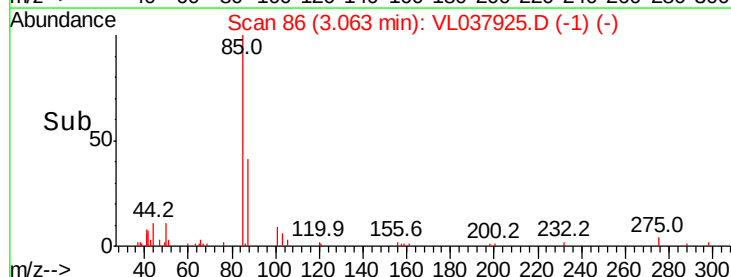
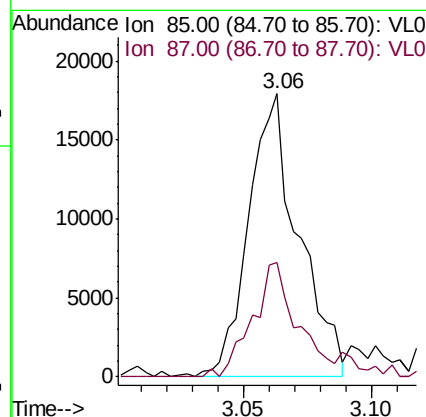
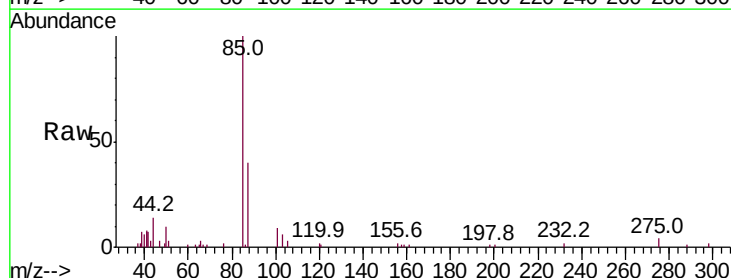
Acq: 27 Oct 2021 20:52

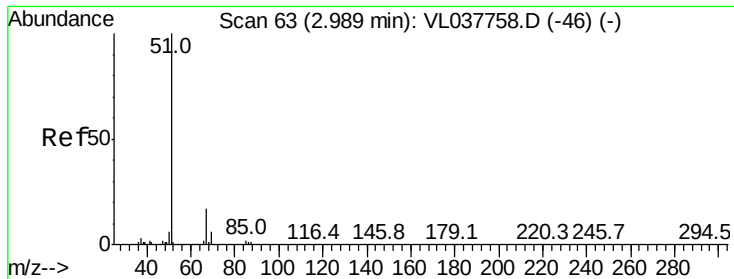
Tgt Ion: 85 Resp: 24369

Ion Ratio Lower Upper

85 100

87 40.3 25.7 38.5#





#3

Chlorodifluoromethane

Concen: 0.112 ppbv m

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:

Ion Ratio

51 100

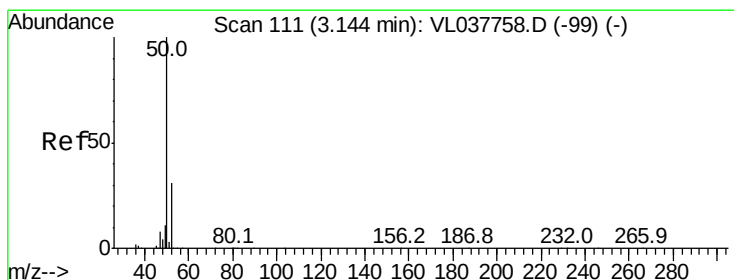
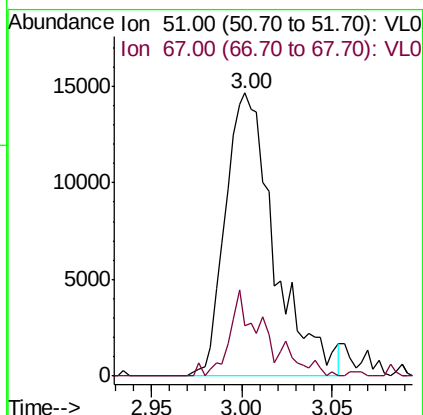
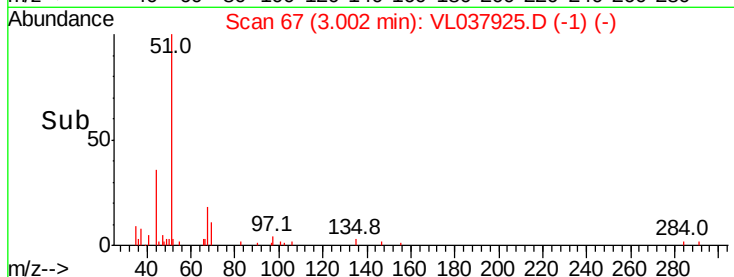
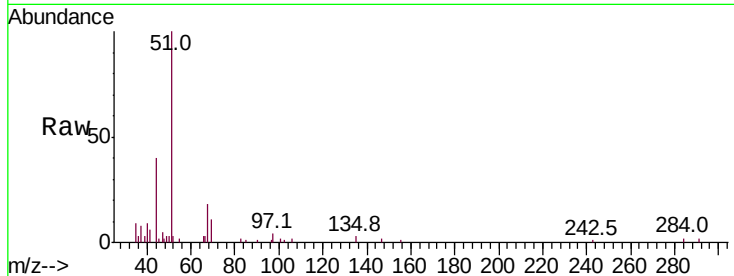
67 22.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/29/2021



#4

Chloromethane

Concen: 0.119 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL037925.D

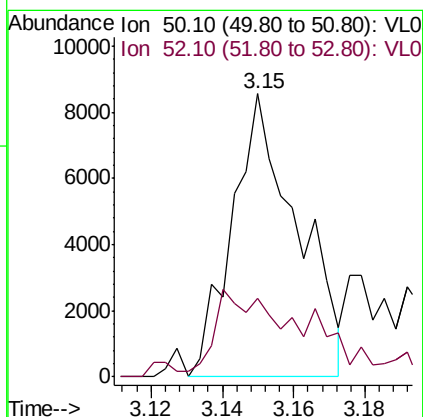
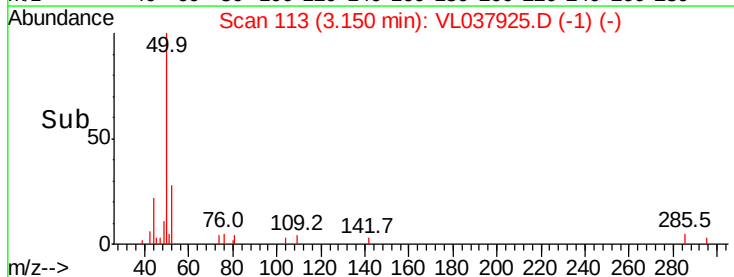
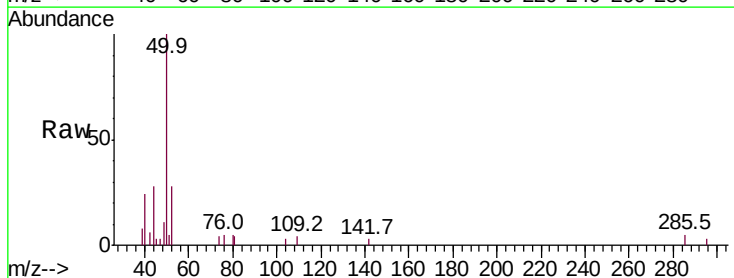
Acq: 27 Oct 2021 20:52

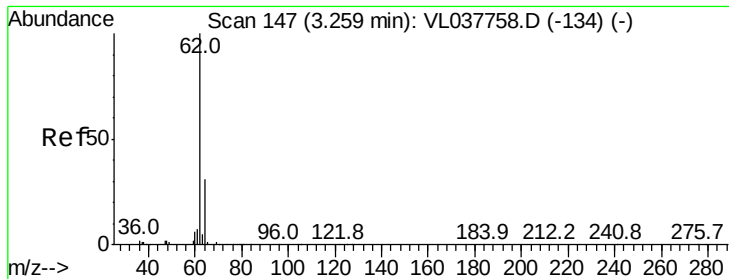
Tgt Ion: 50 Resp: 10815

Ion Ratio Lower Upper

50 100

52 25.7 24.4 36.6





#5

Vinyl Chloride

Concen: 0.115 ppbv m

RT: 3.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:

Ion Ratio

62 100

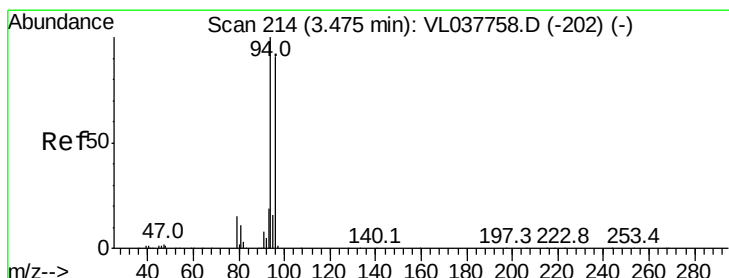
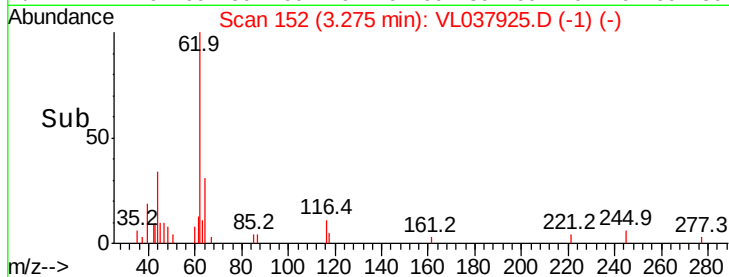
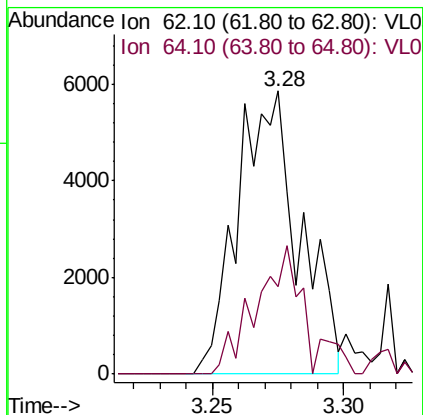
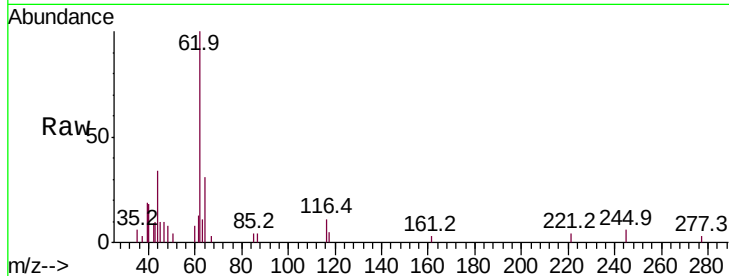
64 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#6

Bromomethane

Concen: 0.122 ppbv m

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037925.D

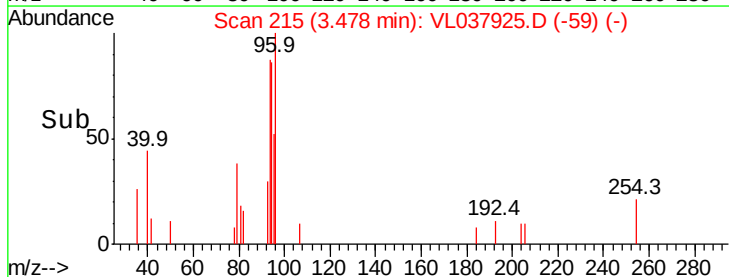
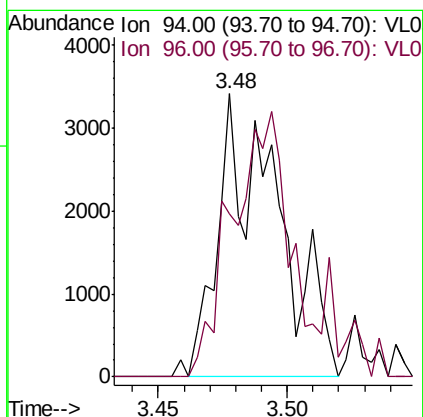
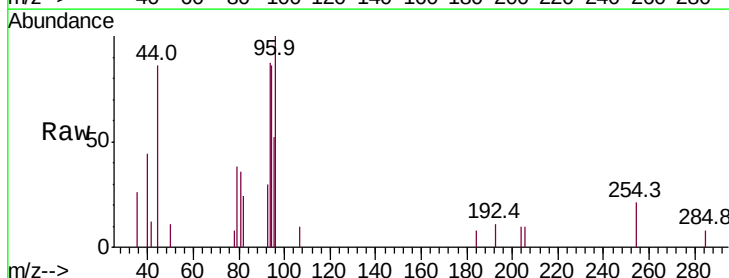
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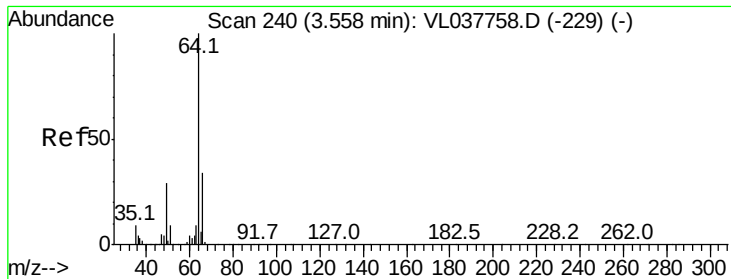
Tgt Ion: 94 Resp: 5505

Ion Ratio Lower Upper

94 100

96 114.5 72.5 108.7#





#7

Chloroethane

Concen: 0.124 ppbv m

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:

Ion Ratio

64 100

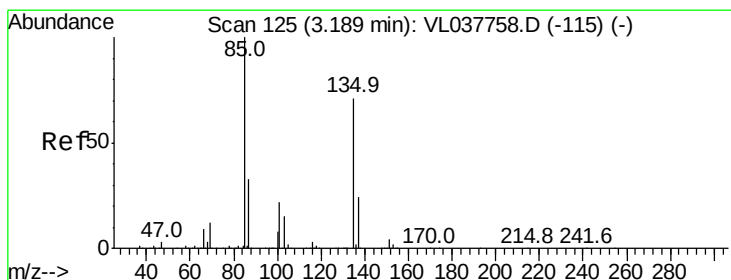
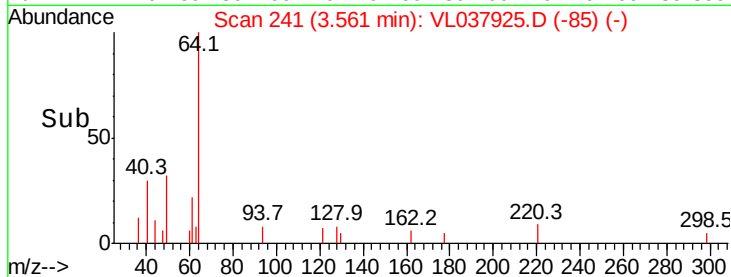
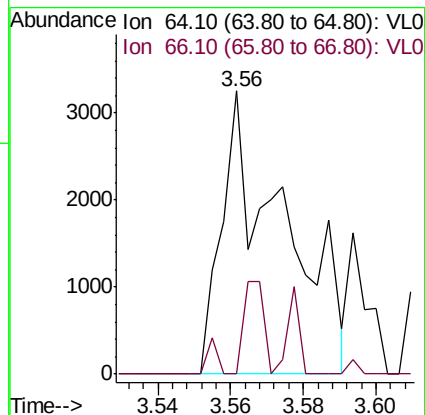
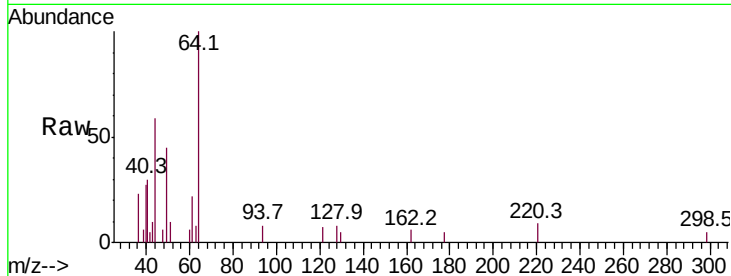
66 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#8

Dichlorotetrafluoroethane

Concen: 0.117 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL037925.D

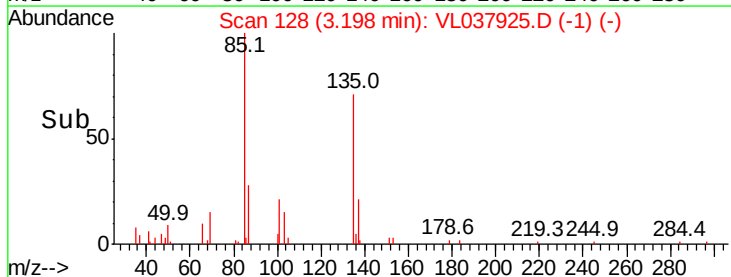
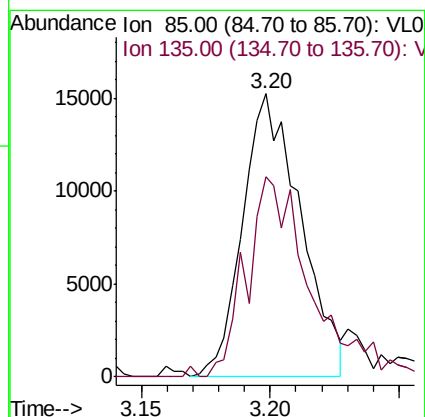
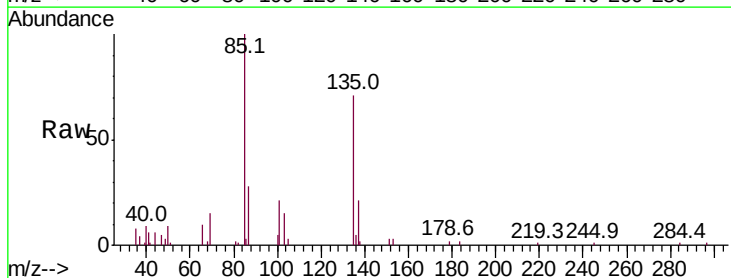
Acq: 27 Oct 2021 20:52

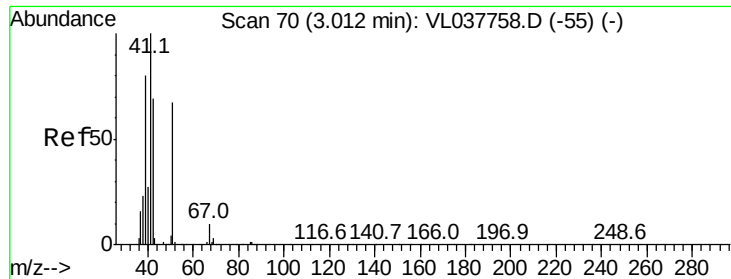
Tgt Ion: 85 Resp: 23893

Ion Ratio Lower Upper

85 100

135 78.2 59.5 89.3





#9

Propene

Concen: 0.188 ppbv m

RT: 3.04 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:

Ion Ratio

41 100

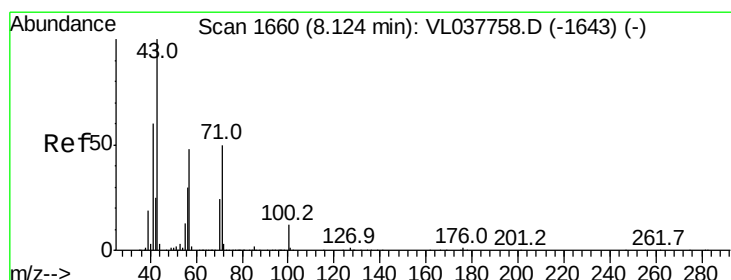
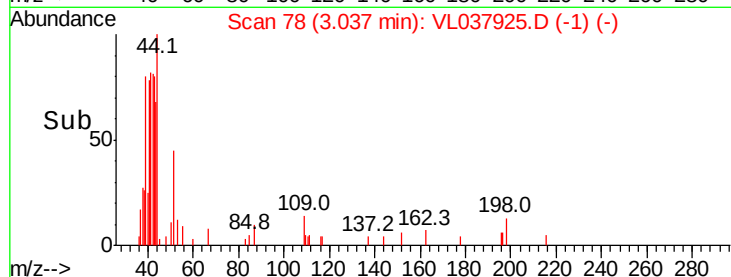
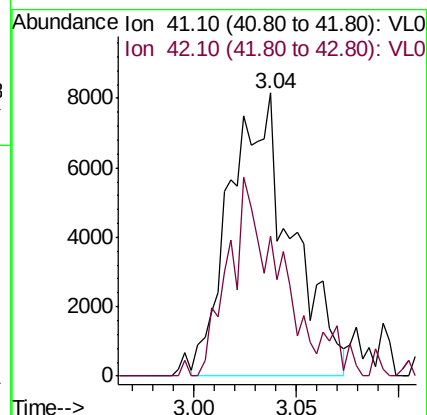
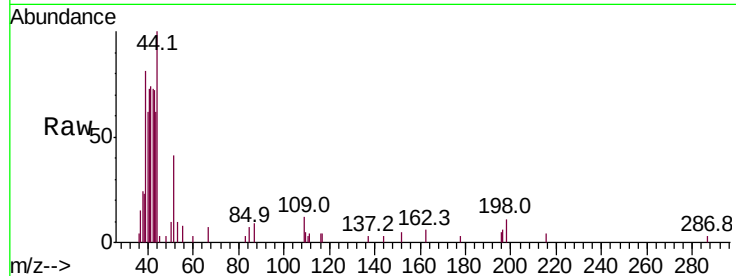
42 1.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#10

Heptane

Concen: 0.066 ppbv m

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL037925.D

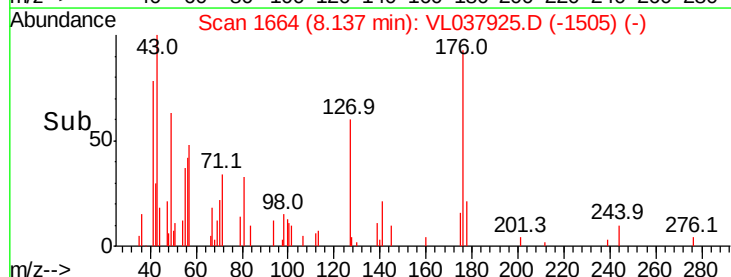
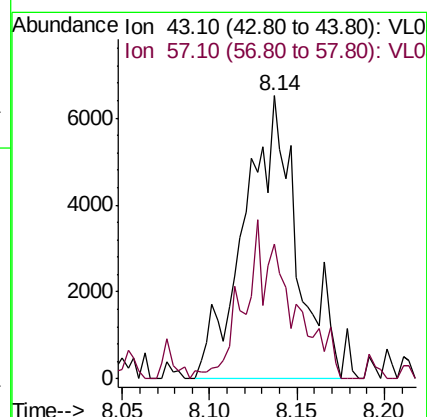
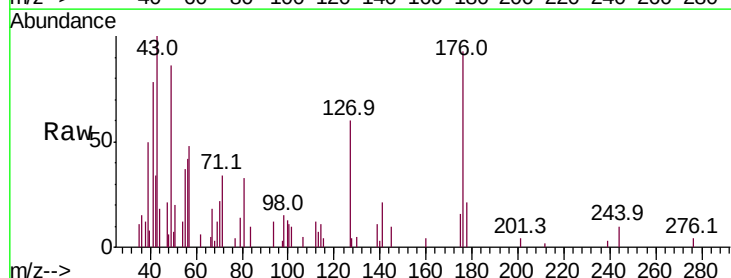
Acq: 27 Oct 2021 20:52

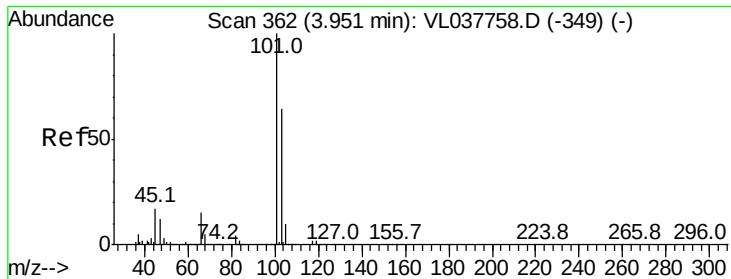
Tgt Ion: 43 Resp: 13581

Ion Ratio Lower Upper

43 100

57 0.0 40.0 60.0#





#11

Trichlorofluoromethane

Concen: 0.110 ppbv m

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:1

Ion Ratio

101 100

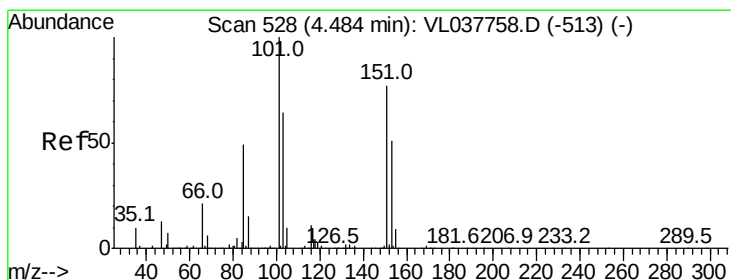
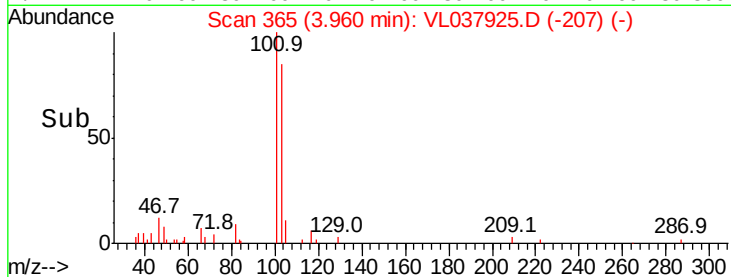
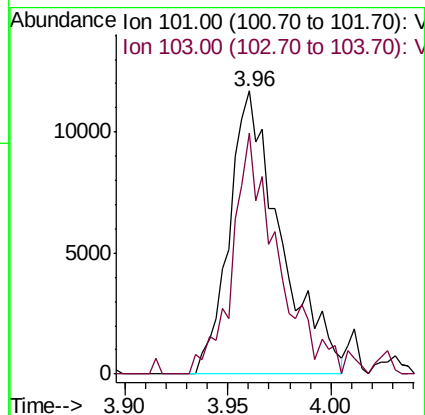
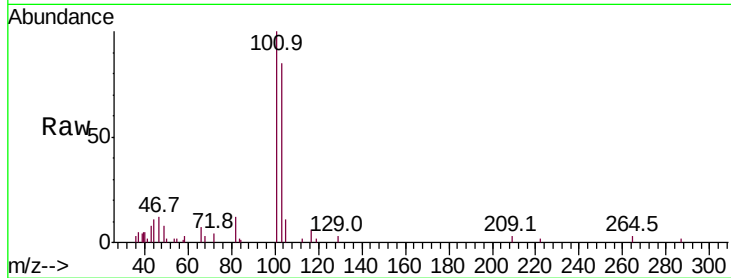
103 85.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.127 ppbv m

RT: 4.50 min Scan# 533

Delta R.T. 0.02 min

Lab File: VL037925.D

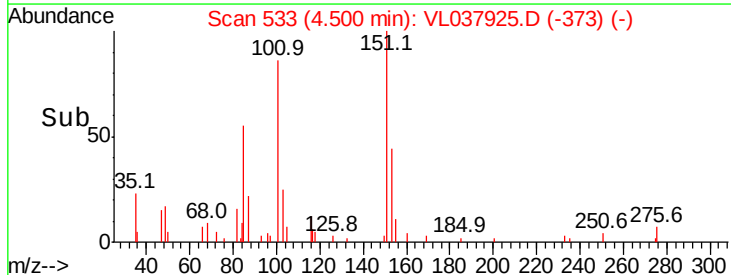
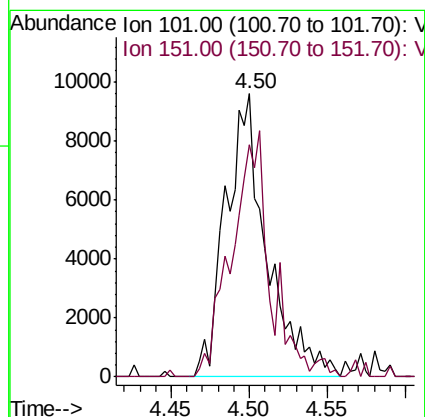
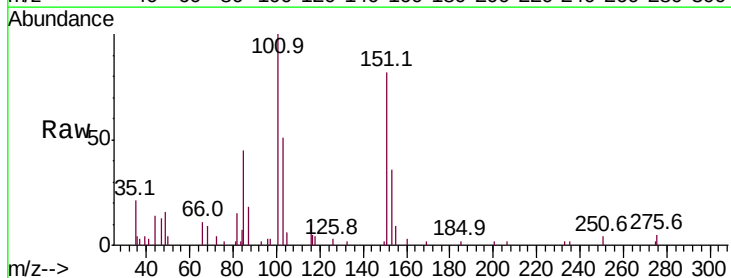
Acq: 27 Oct 2021 20:52

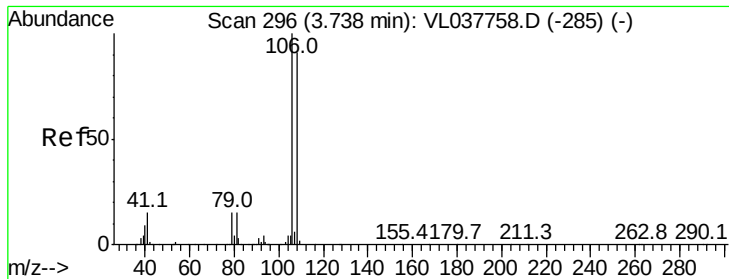
Tgt Ion:101 Resp: 17646

Ion Ratio Lower Upper

101 100

151 0.0 62.9 94.3#





#14

Bromoethene

Concen: 0.131 ppbv m

RT: 3.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:1

Ion Rati

108 100

106 0.

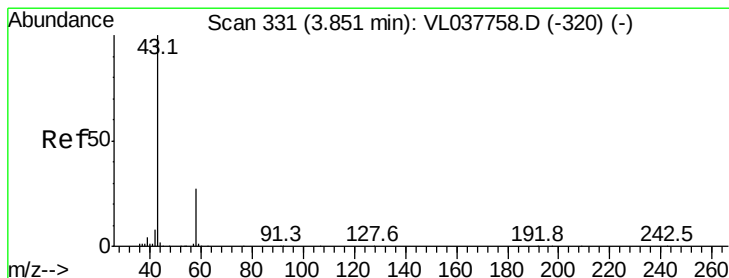
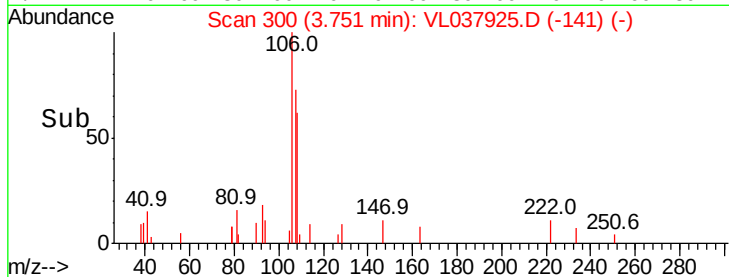
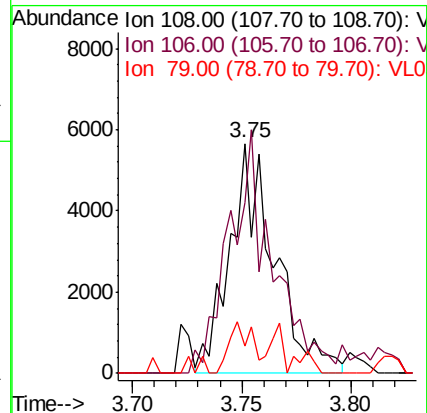
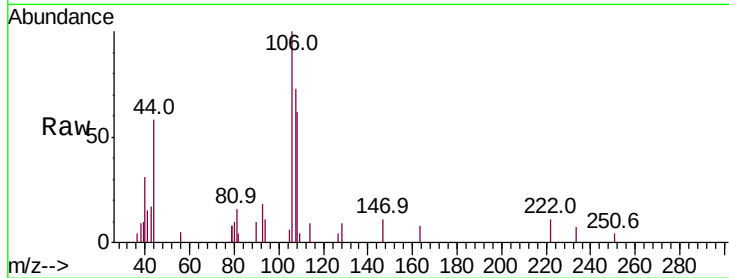
79 23.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#15

Acetone

Concen: 0.114 ppbv m

RT: 3.89 min Scan# 344

Delta R.T. 0.04 min

Lab File: VL037925.D

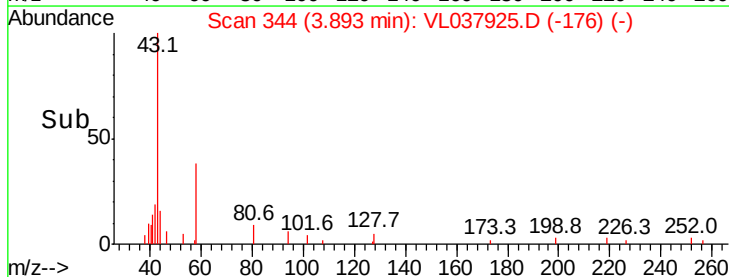
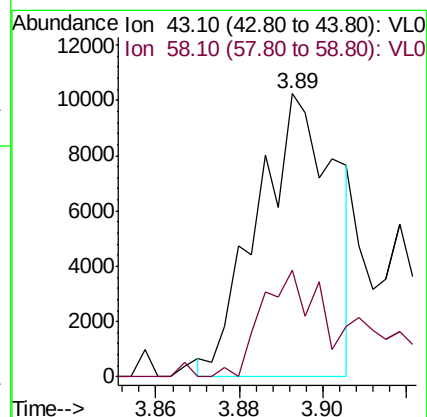
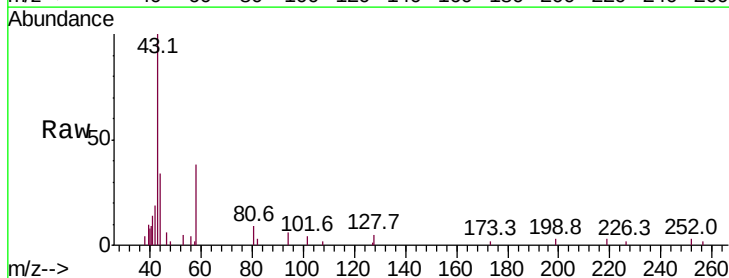
Acq: 27 Oct 2021 20:52

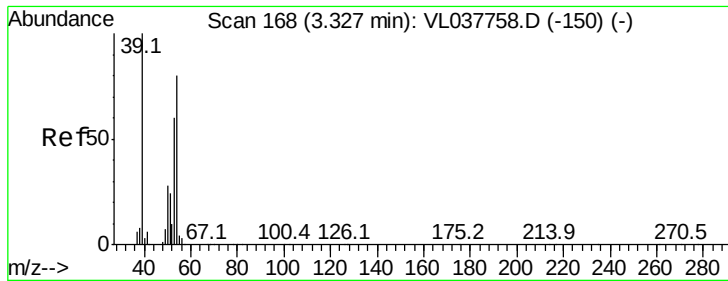
Tgt Ion: 43 Resp: 13142

Ion Ratio Lower Upper

43 100

58 0.0 23.0 34.6#



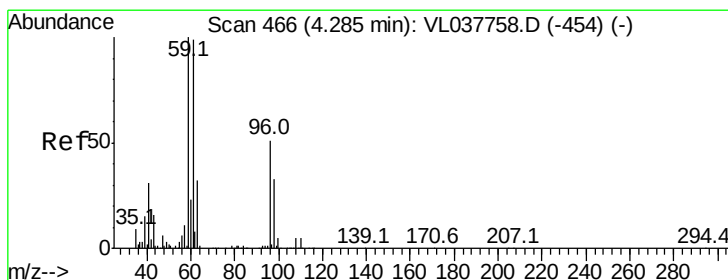
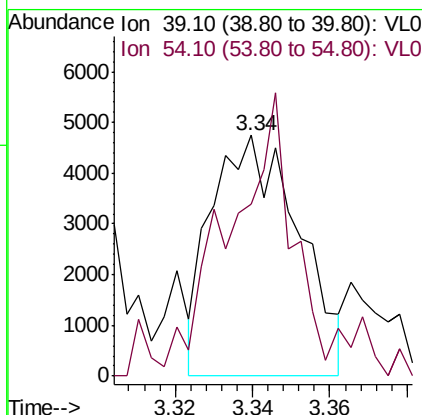
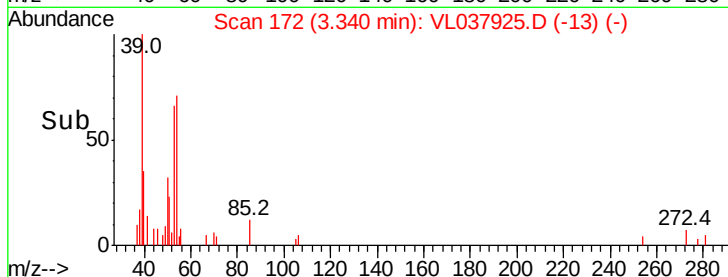
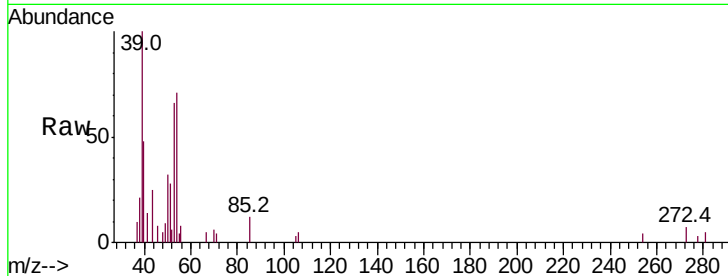


#16
 1,3-Butadiene
 Concen: 0.088 ppbv
 RT: 3.34
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:
 Ion Ratio
 39 100
 54 98.

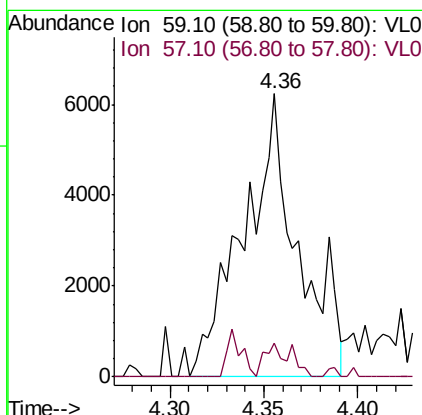
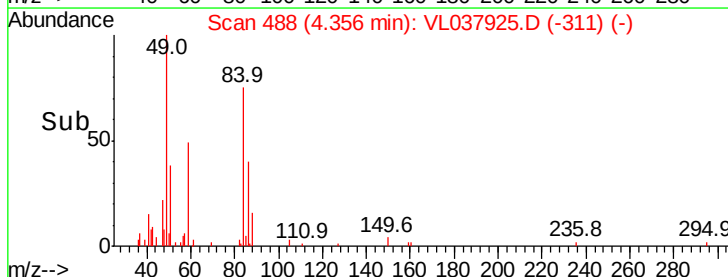
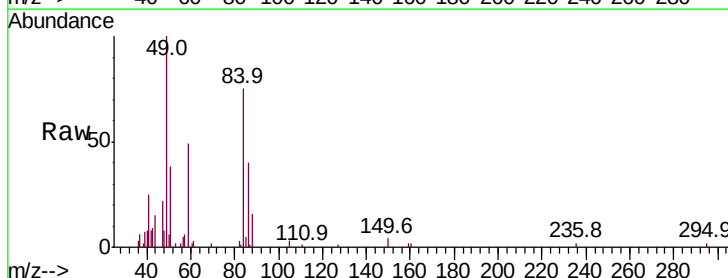
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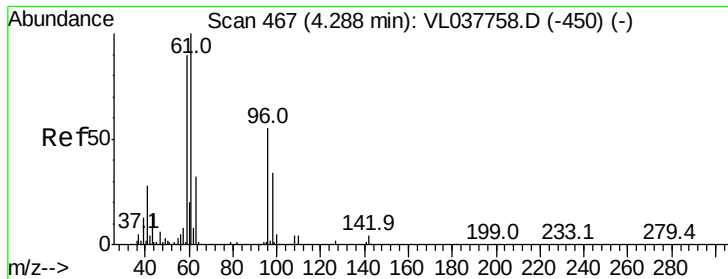
Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021



#17
 tert-Butyl alcohol
 Concen: 0.106 ppbv m
 RT: 4.36 min Scan# 488
 Delta R.T. 0.07 min
 Lab File: VL037925.D
 Acq: 27 Oct 2021 20:52

Tgt Ion: 59 Resp: 12640
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#



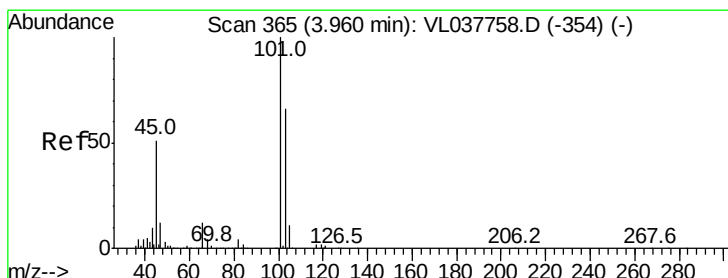
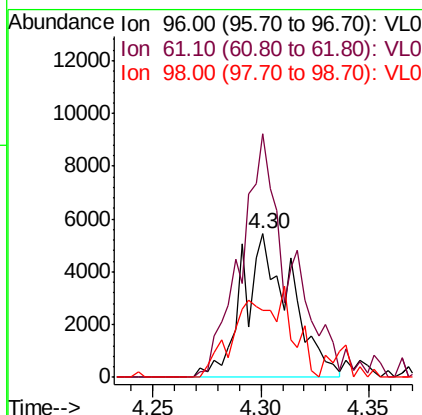
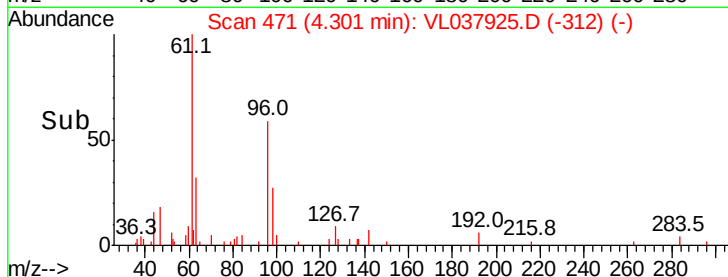
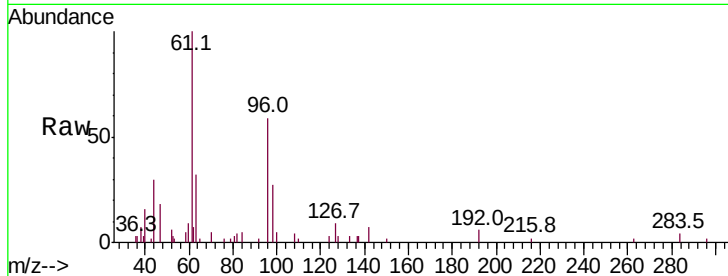


#18
 1,1-Dichloroethene
 Concen: 0.135 ppbv m
 RT: 4.30
 Instrument: MSVOA.L
 Delta R.T.
 Lab File: ClientSampleId:
 Acq: 27 Oct 2021 20:52
 LOD-MDL-AIR-01-QT4-2021

Tot Ion:
 Ion Ratio
 96 100
 61 170.
 98 46.

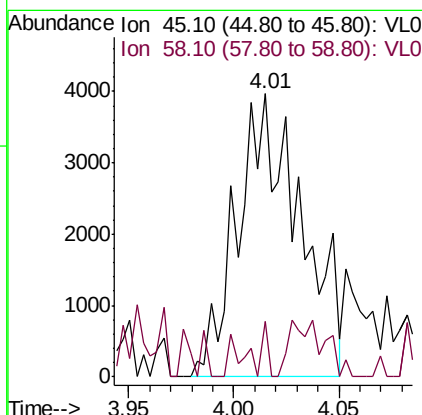
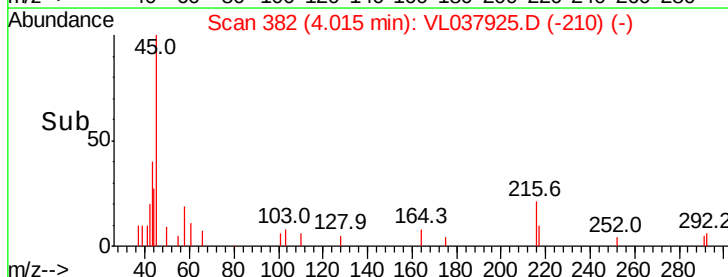
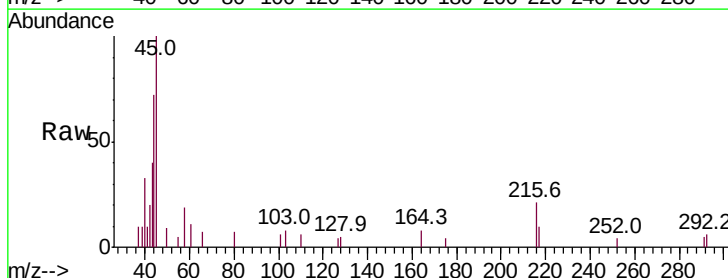
Manual Integrations
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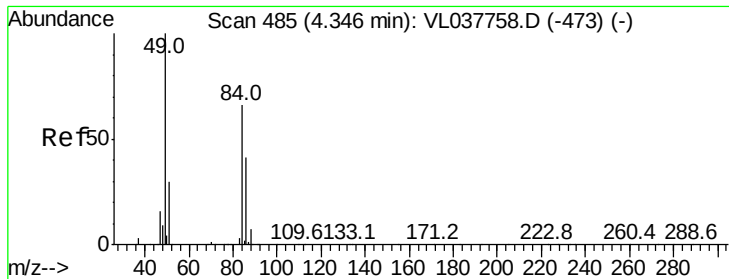
Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021



#19
 Isopropyl Alcohol
 Concen: 0.114 ppbv m
 RT: 4.01 min Scan# 382
 Delta R.T. 0.05 min
 Lab File: VL037925.D
 Acq: 27 Oct 2021 20:52

Tgt Ion: 45 Resp: 8212
 Ion Ratio Lower Upper
 45 100
 58 7.7 1.1 1.7#





#20

Methylene Chloride

Concen: 0.286 ppbv

RT: 4.36 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:

Ion Ratio

84 100

49 125.

51 45.

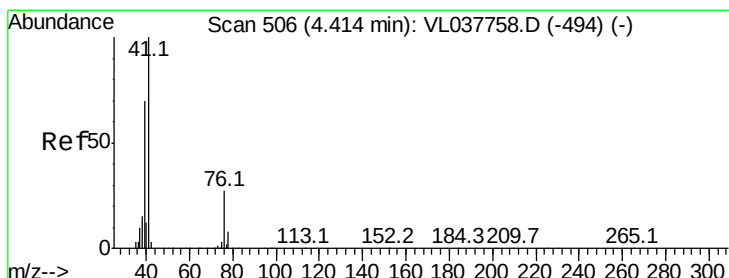
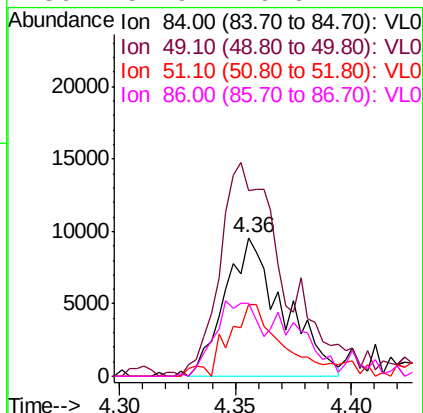
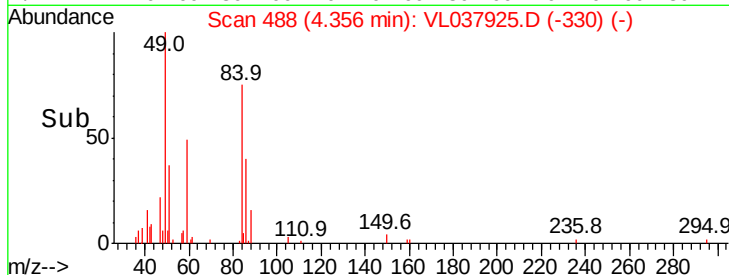
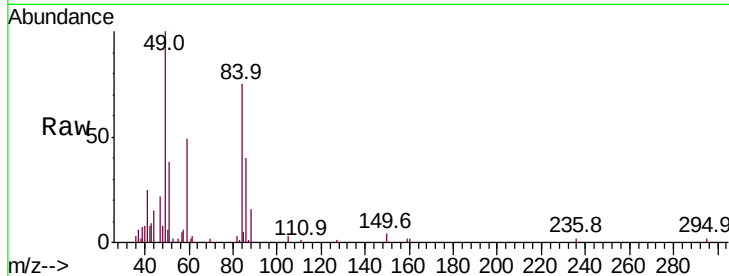
86 52.9 49.6 74.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#21

Allyl Chloride

Concen: 0.111 ppbv m

RT: 4.42 min Scan# 509

Delta R.T. 0.01 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

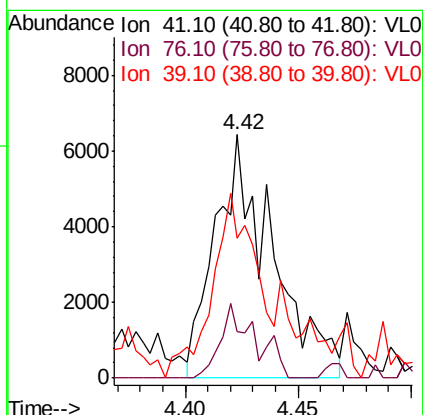
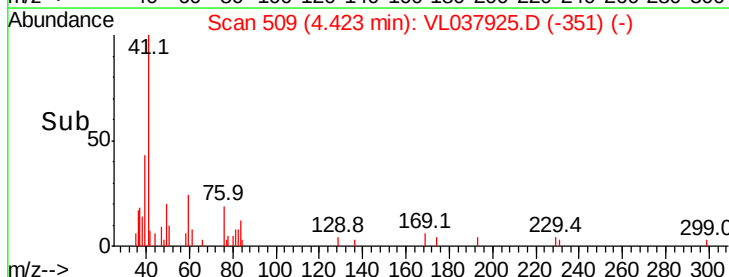
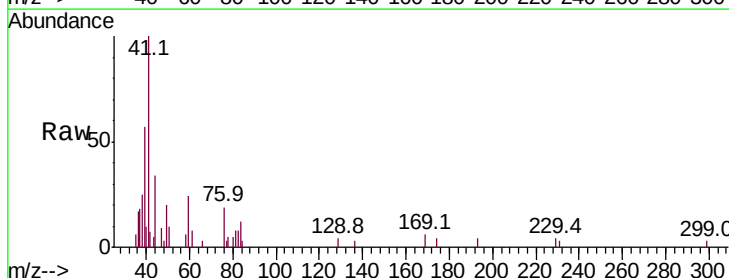
Tgt Ion: 41 Resp: 11384

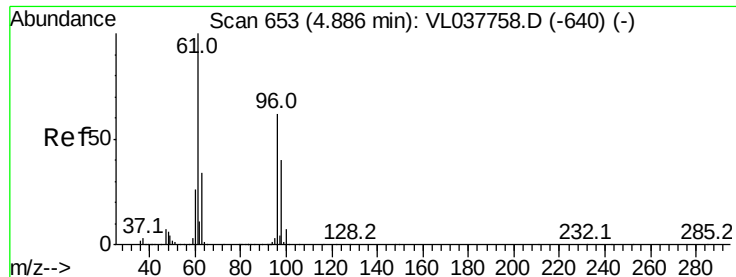
Ion Ratio Lower Upper

41 100

76 20.4 22.4 33.6#

39 86.4 58.0 87.0





#22

trans-1,2-Dichloroethene

Concen: 0.128 ppbv m

RT: 4.90 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:

Ion Ratio

96 100

61 125.

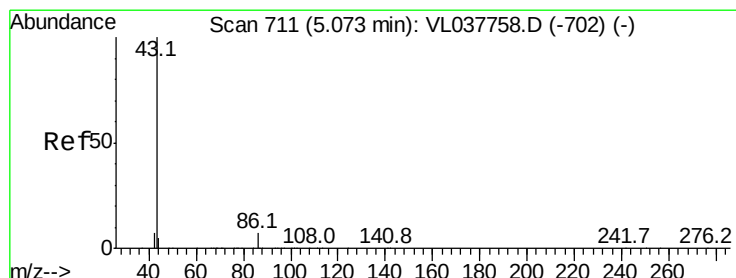
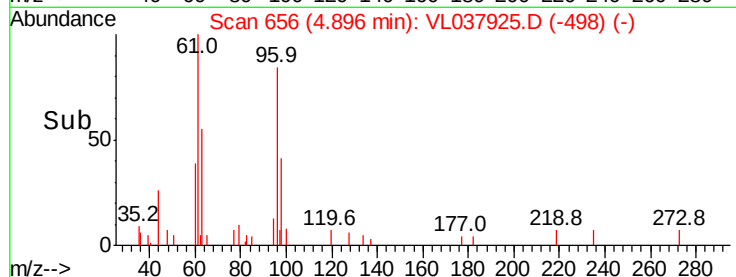
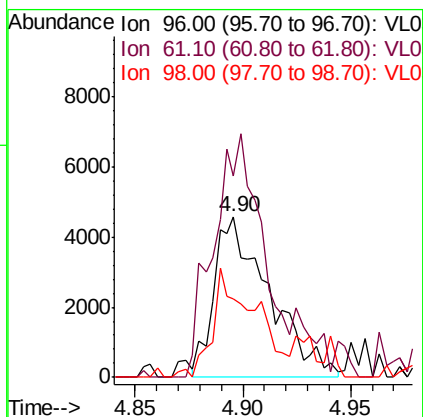
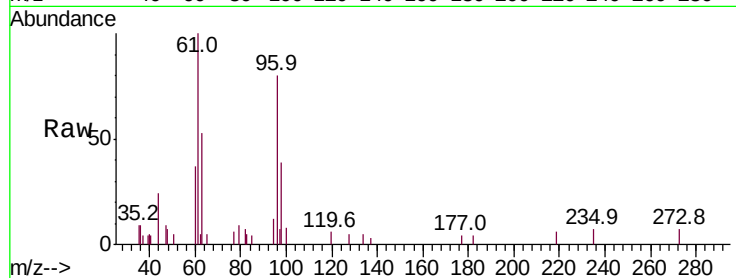
98 49.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#23

Vinyl Acetate

Concen: 0.100 ppbv m

RT: 5.10 min Scan# 719

Delta R.T. 0.03 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

Tgt Ion: 43 Resp: 17371

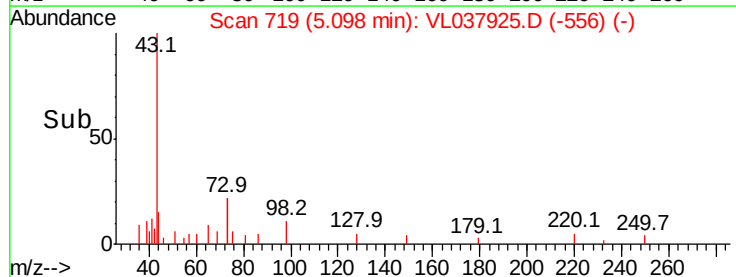
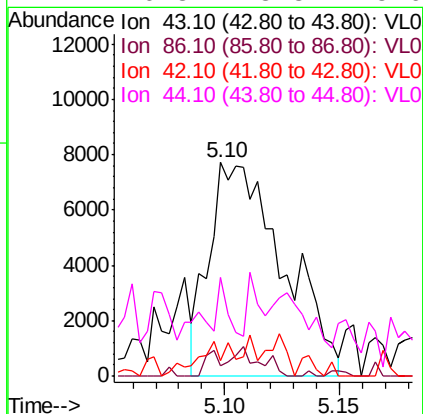
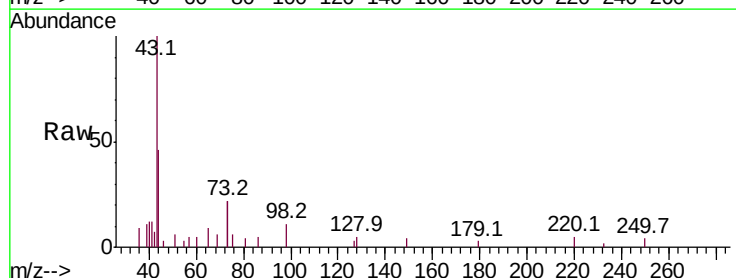
Ion Ratio Lower Upper

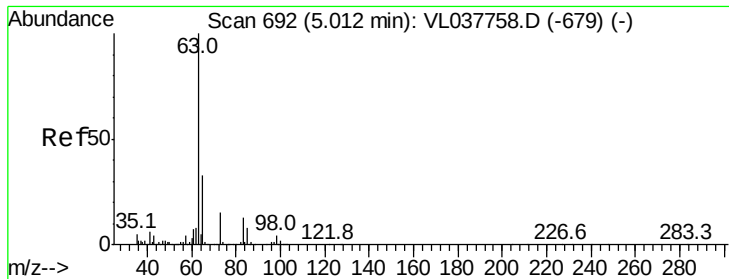
43 100

86 4.5 5.0 7.4#

42 7.2 7.4 11.0#

44 46.3 3.8 5.6#



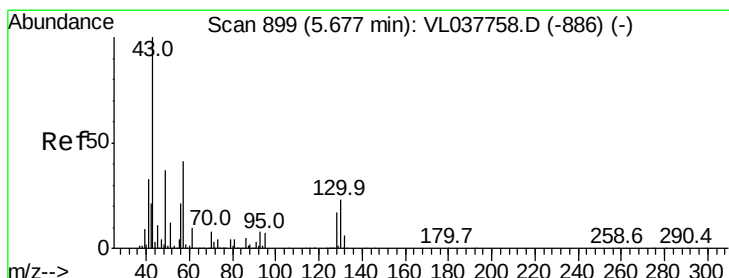
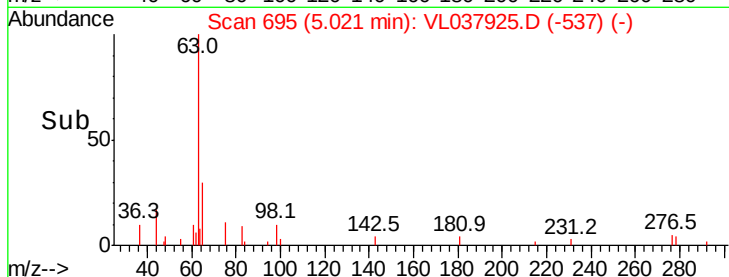
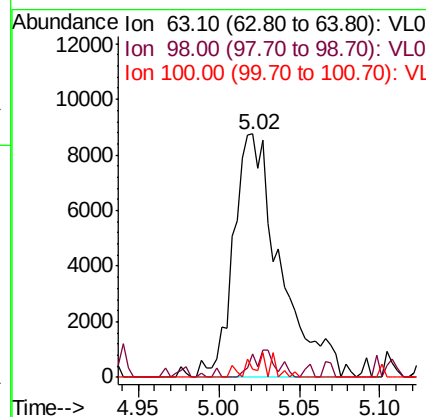
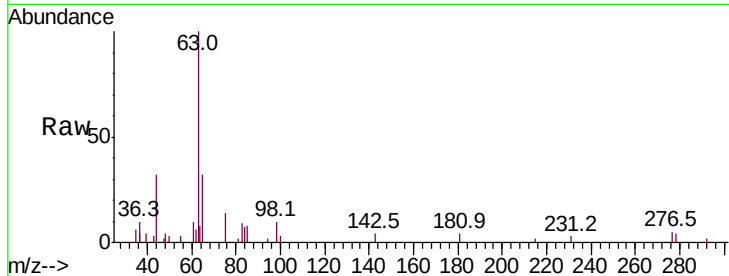


#24
 1,1-Dichloroethane
 Concen: 0.139 ppbv m
 RT: 5.02
 Instrument: MSVOA_L
 Delta R.T.
 Lab File: ClientSampleId:
 LOD-MDL-AIR-01-QT4-2021
 Acq: 27 Oct 2021 20:52

Tot Ion:
 Ion Ratio
 63 100
 98 9.
 100 3.

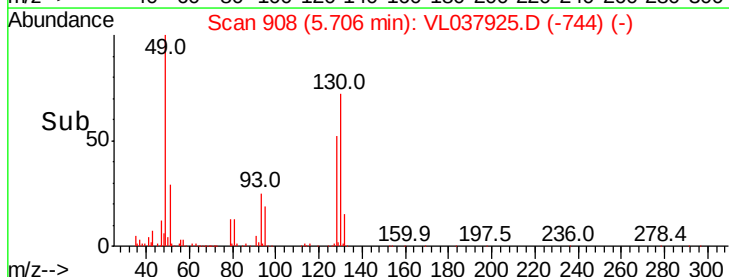
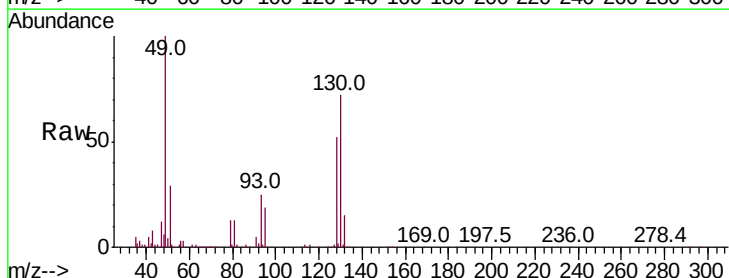
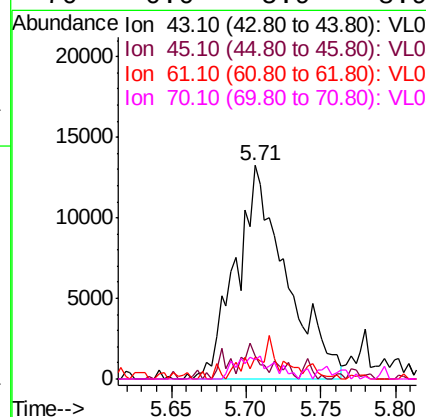
Manual Integrations
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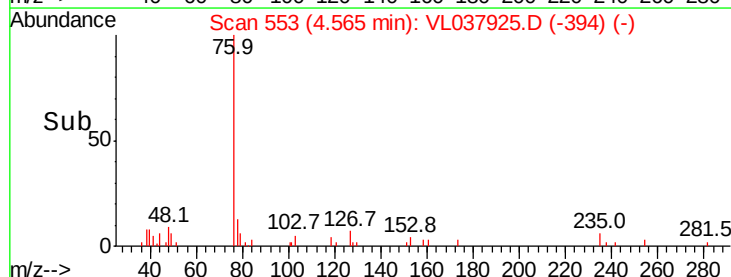
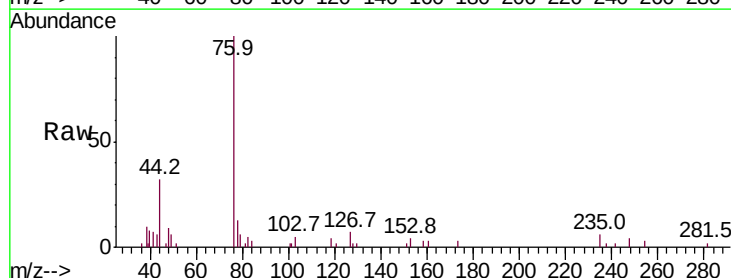
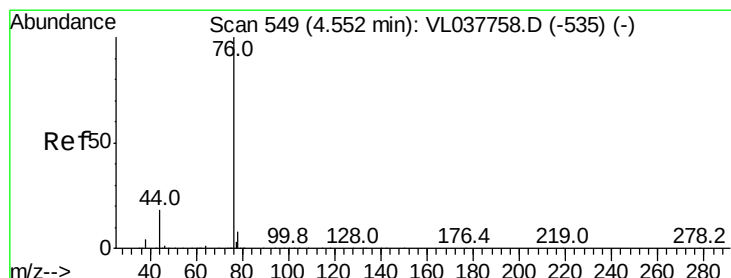
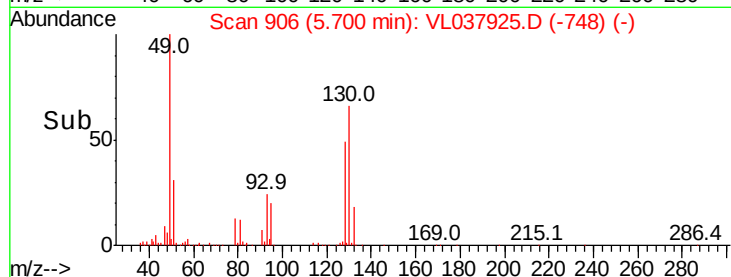
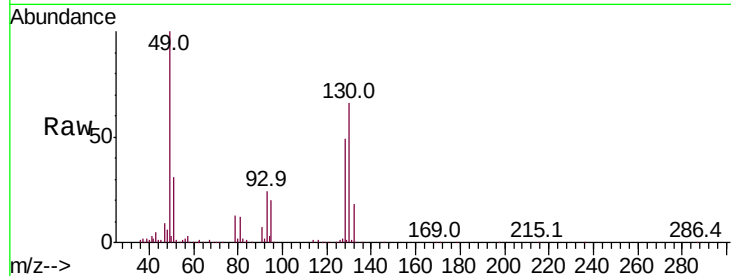
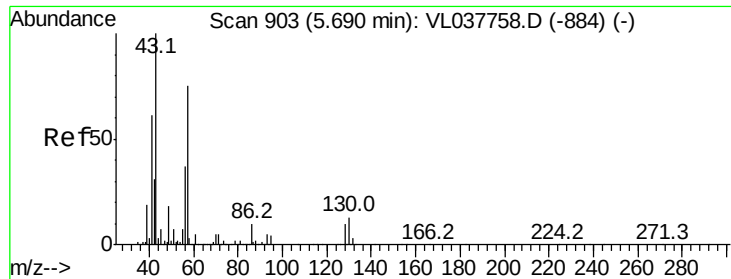
Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021



#25
 Ethyl Acetate
 Concen: 0.095 ppbv m
 RT: 5.71 min Scan# 908
 Delta R.T. 0.03 min
 Lab File: VL037925.D
 Acq: 27 Oct 2021 20:52

Tgt Ion: 43 Resp: 30857
 Ion Ratio Lower Upper
 43 100
 45 0.0 8.1 12.1#
 61 0.0 7.5 11.3#
 70 0.0 5.9 8.9#





#26

Hexane

Concen: 0.084 ppbv m

RT: 5.70

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021

Tot Ion:

Ion Ratio

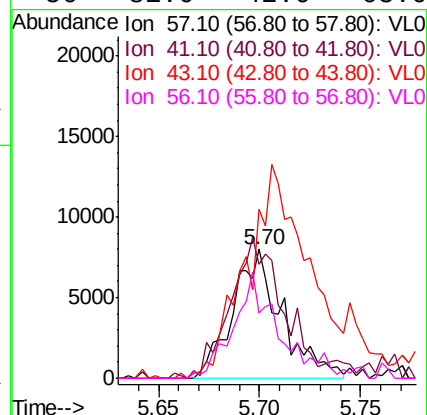
57 100

41 126.

43 0.

56 81.0

42.0 63.0#



#27

Carbon Disulfide

Concen: 0.094 ppbv m

RT: 4.56 min Scan# 553

Delta R.T. 0.01 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

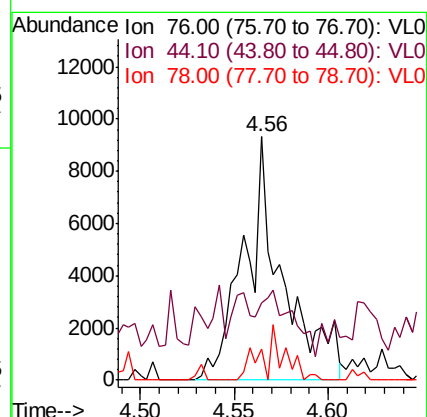
Tgt Ion: 76 Resp: 13280

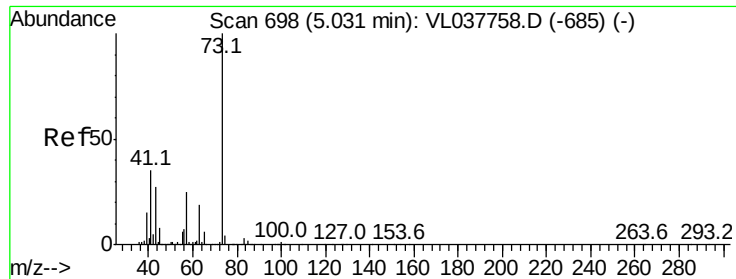
Ion Ratio Lower Upper

76 100

44 0.0 14.3 21.5#

78 0.0 7.8 11.6#





#28

Methyl tert-Butyl Ether

Concen: 0.104 ppbv m

RT: 5.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 20:52

Tot Ion:

Ion Ratio

73 100

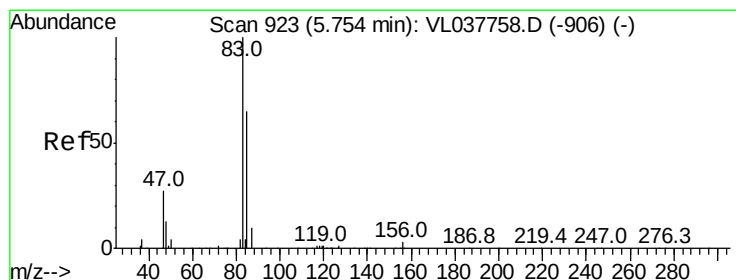
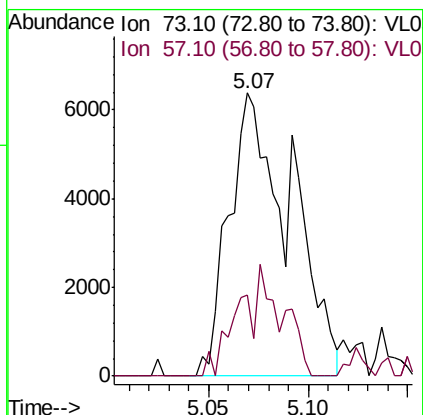
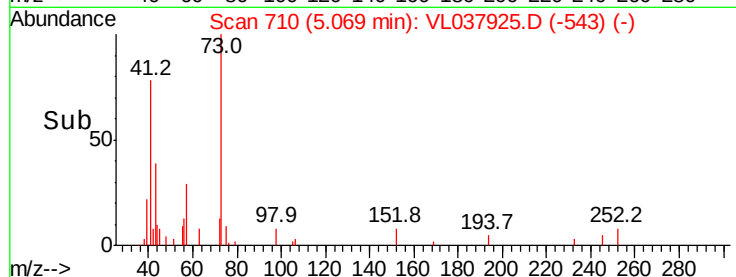
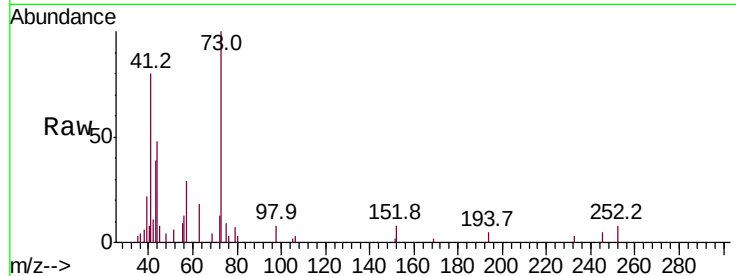
57 27.

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#29

Chloroform

Concen: 0.114 ppbv m

RT: 5.76 min Scan# 924

Delta R.T. 0.00 min

Lab File: VL037925.D

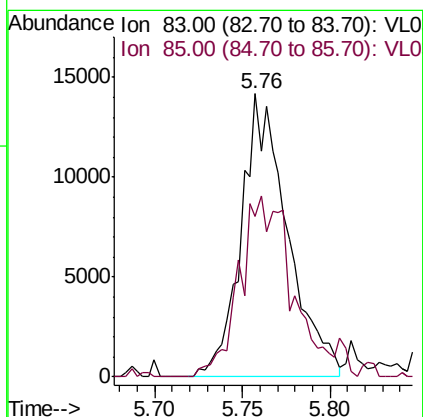
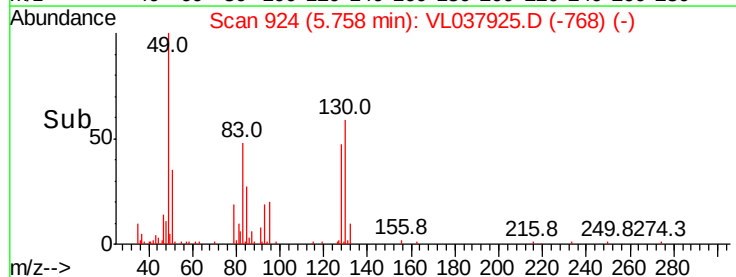
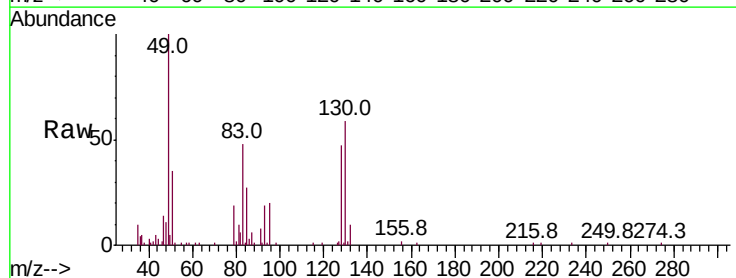
Acq: 27 Oct 2021 20:52

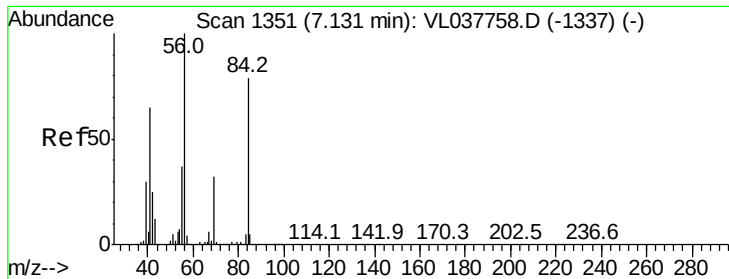
Tgt Ion: 83 Resp: 26060

Ion Ratio Lower Upper

83 100

85 56.6 51.8 77.8



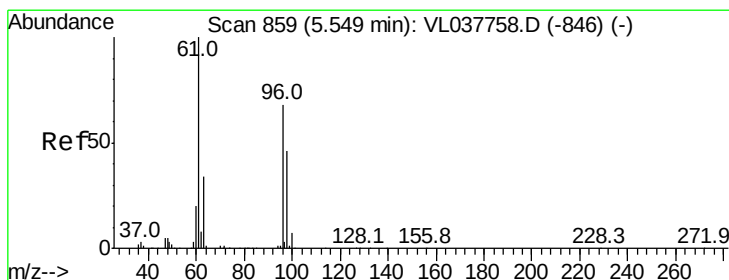
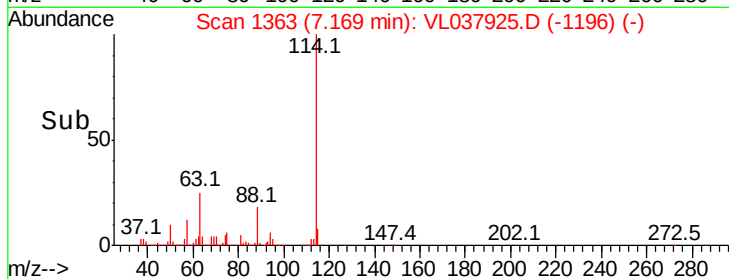
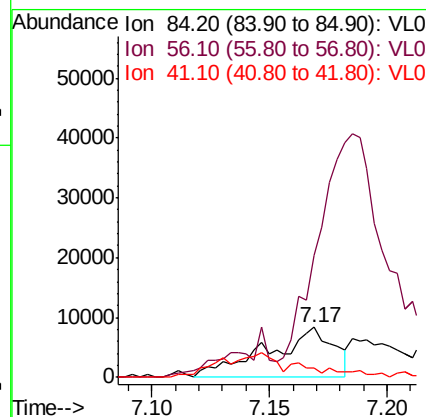
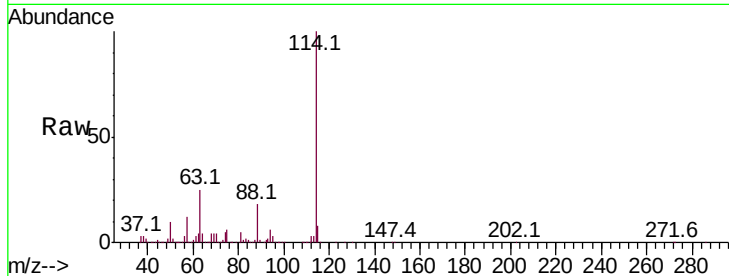


#30
Cvclohexane
Concen: 0.121 ppbv m
RT: 7.17
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Oct 2021 20:52

Tot Ion:
Ion Ratio
84 100
56 0.
41 57.

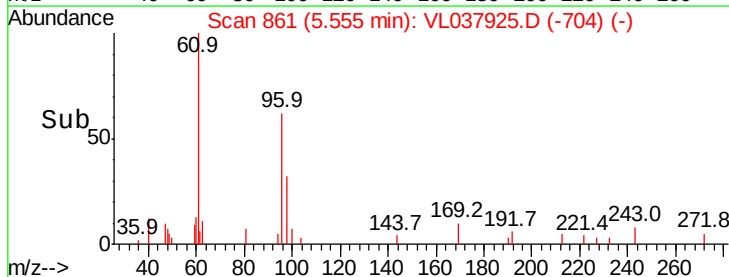
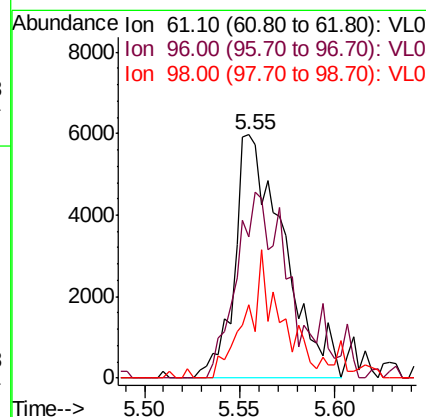
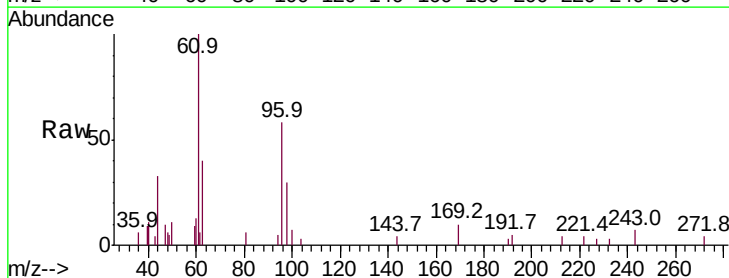
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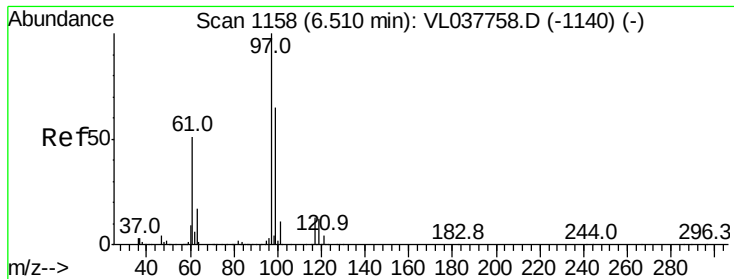
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#31
cis-1,2-Dichloroethene
Concen: 0.074 ppbv m
RT: 5.55 min Scan# 861
Delta R.T. 0.01 min
Lab File: VL037925.D
Acq: 27 Oct 2021 20:52

Tgt Ion: 61 Resp: 10781
Ion Ratio Lower Upper
61 100
96 58.1 54.2 81.2
98 30.2 36.6 54.8#



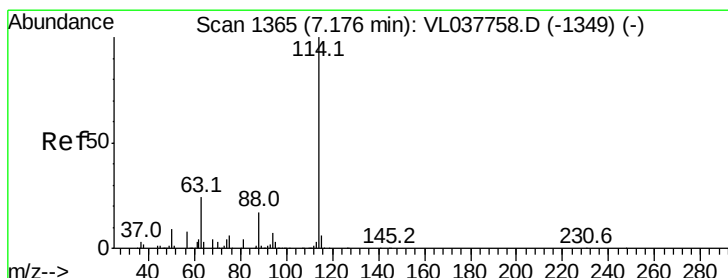
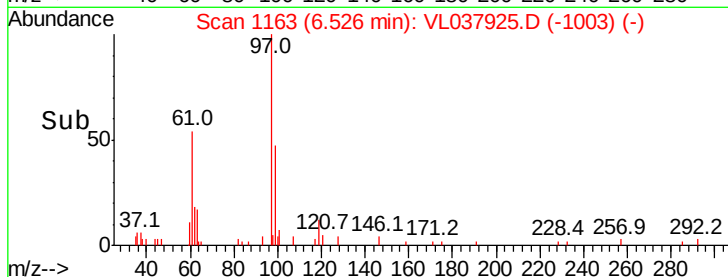
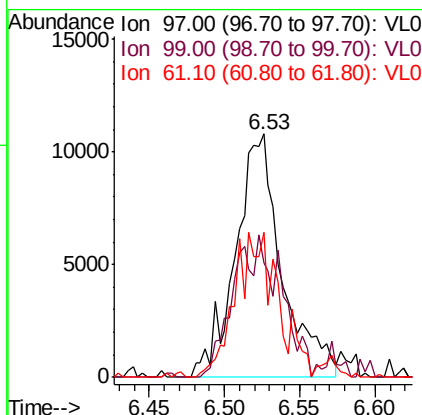
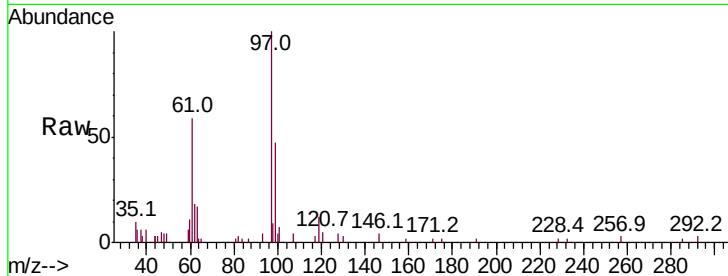


#32
 1,1,1-Trichloroethane
 Concen: 0.107 ppbv m
 RT: 6.53
 Instrument: MSVOA_1
 Delta R.T.
 Lab File: ClientSampleId:
 Acq: 27 Oct 2021 20:52
 LOD-MDL-AIR-01-QT4-2021

Tot Ion:
 Ion Ratio
 97 100
 99 66.
 61 59.

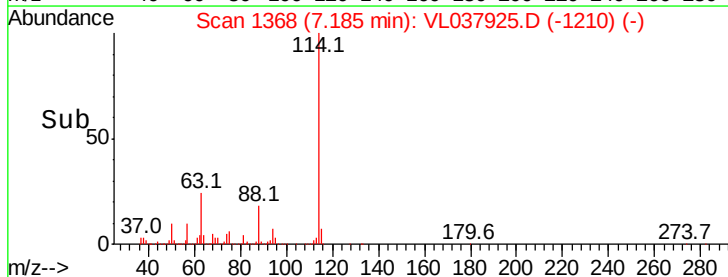
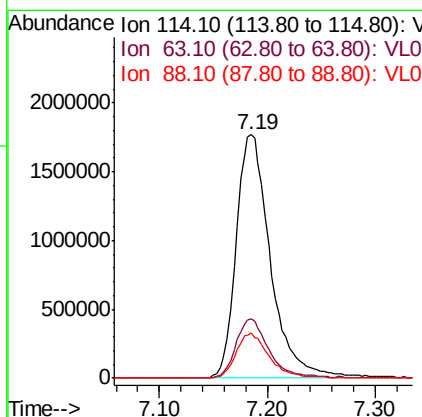
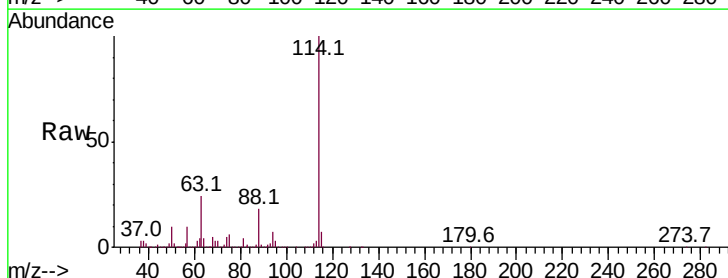
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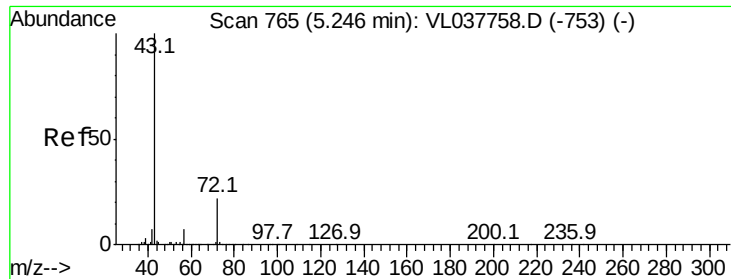
Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL037925.D
 Acq: 27 Oct 2021 20:52

Tgt Ion:114 Resp: 3889029
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.4 29.2
 88 18.1 14.4 21.6



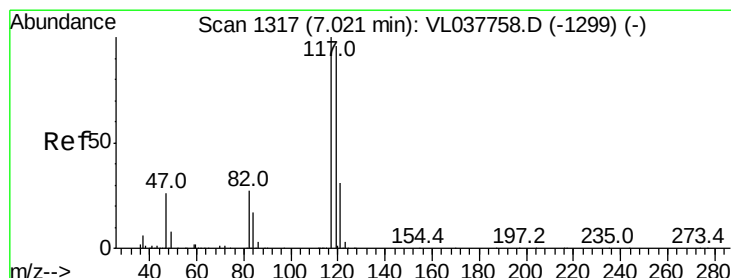
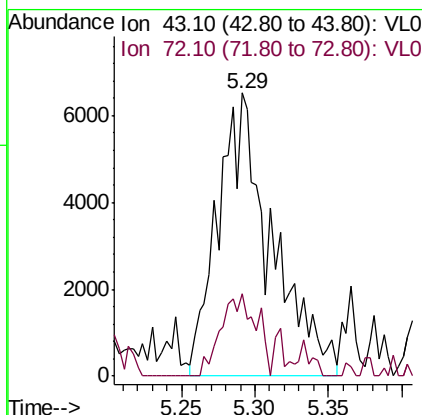
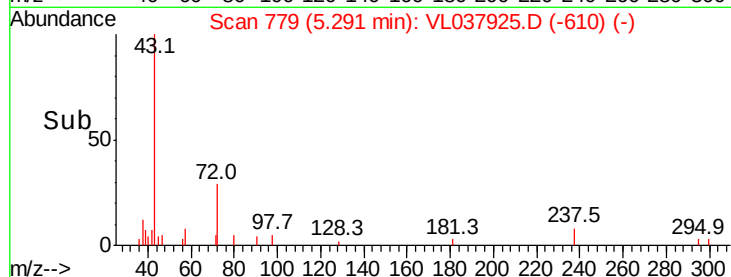
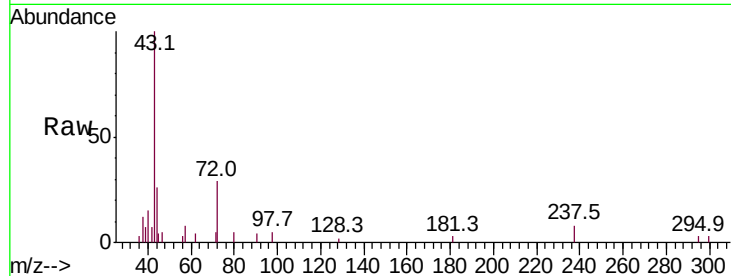


#34
2-Butanone
Concen: 0.104 ppbv m
RT: 5.29
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: LOD-MDL-AIR-01-QT4-2021
Acq: 27 Oct 2021 20:52

Tot Ion:
Ion Ratio
43 100
72 0.

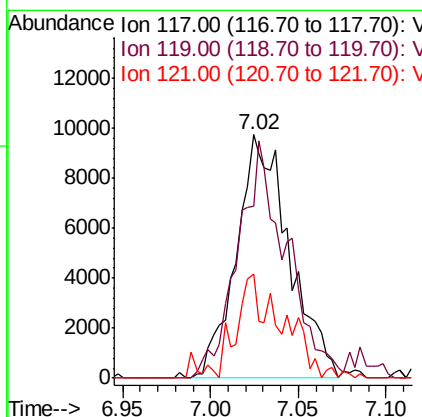
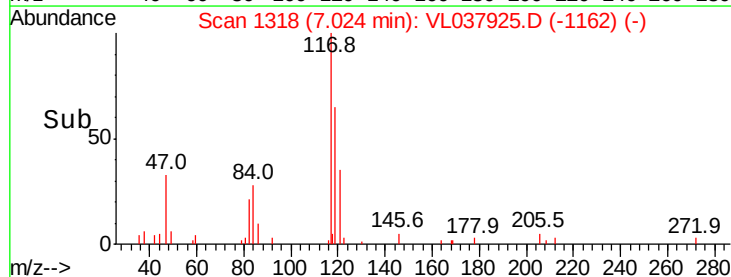
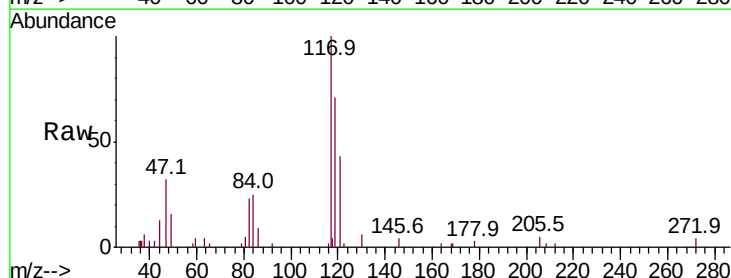
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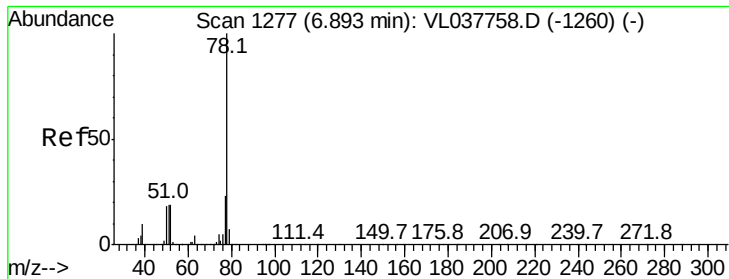
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#35
Carbon Tetrachloride
Concen: 0.092 ppbv m
RT: 7.02 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VL037925.D
Acq: 27 Oct 2021 20:52

Tgt Ion:117 Resp: 20379
Ion Ratio Lower Upper
117 100
119 70.8 76.5 114.7#
121 42.7 24.9 37.3#





#36

Benzene

Concen: 0.074 ppbv m

RT: 6.90 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:

Ion Ratio

78 100

77 28.

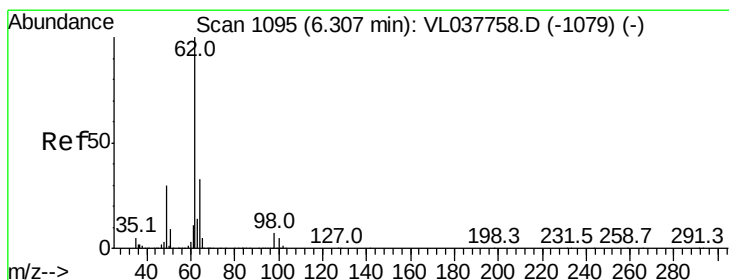
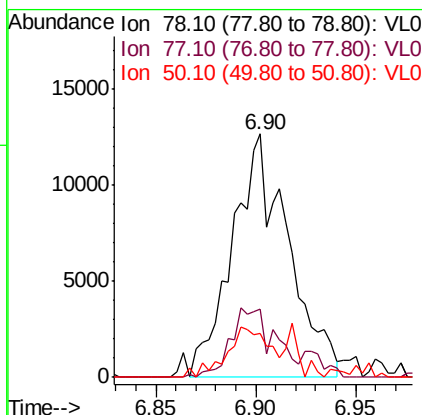
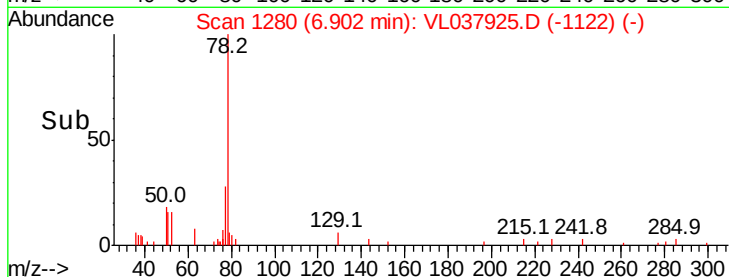
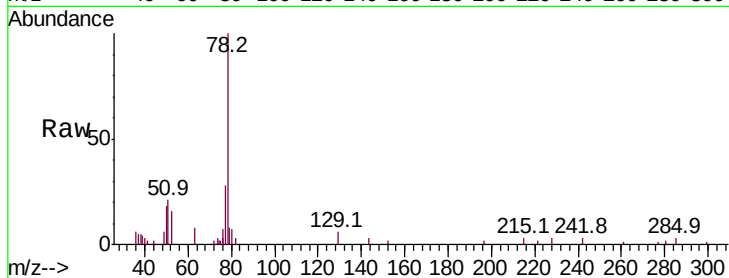
50 17.

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#37

1,2-Dichloroethane

Concen: 0.076 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VL037925.D

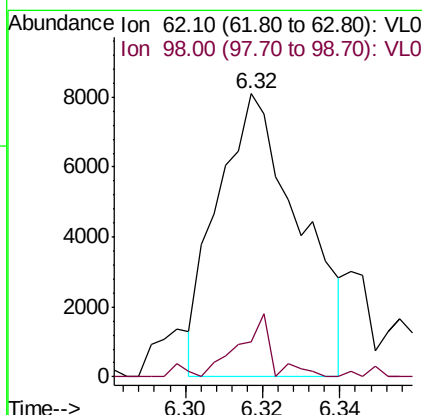
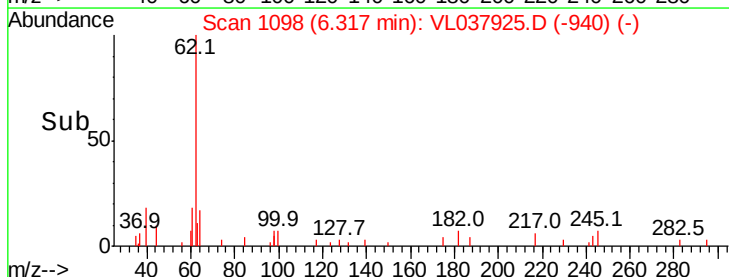
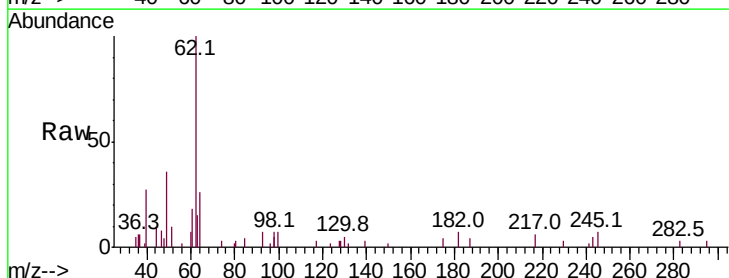
Acq: 27 Oct 2021 20:52

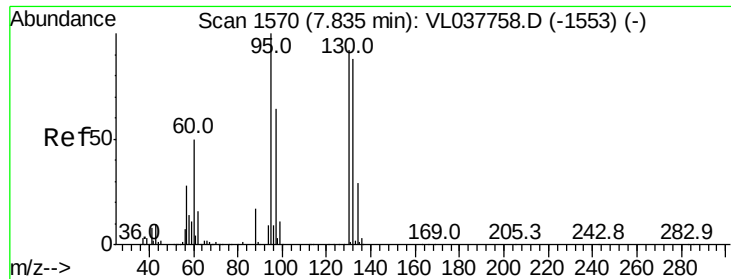
Tgt Ion: 62 Resp: 11960

Ion Ratio Lower Upper

62 100

98 10.0 6.1 9.1#





#38

Trichloroethene

Concen: 0.083 ppbv m

RT: 7.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

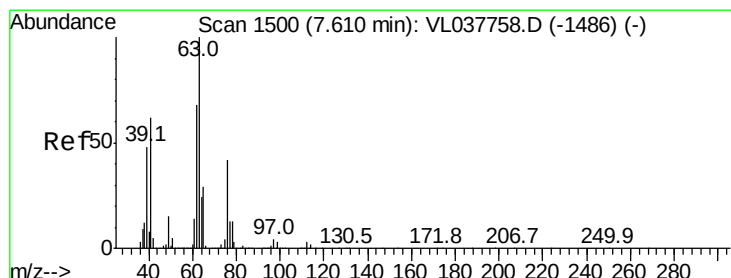
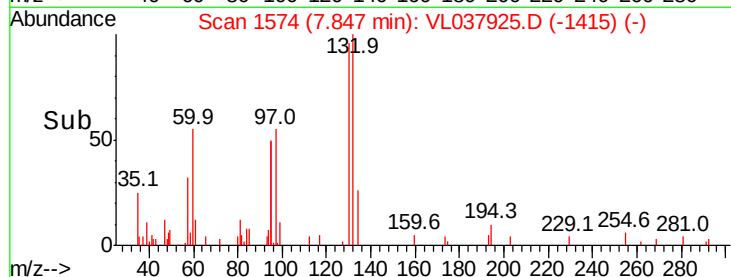
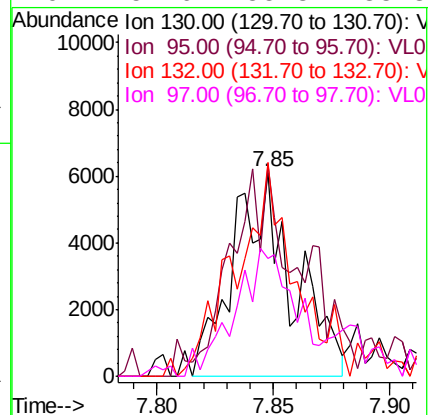
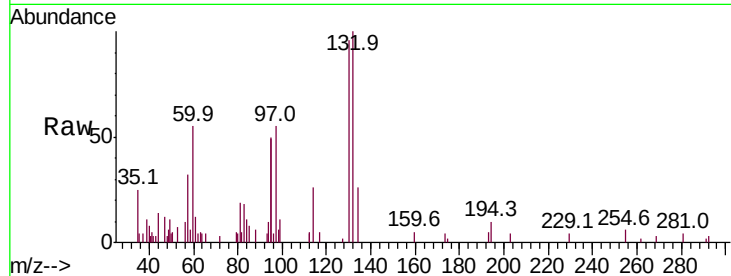
Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

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Supervised By :Mahesh Dadoda 10/29/2021

Tot Ion:1	Ion	Ratio
130	100	
95	52.	
132	104.	
97	57.6	55.8 83.8



#39

1,2-Dichloropropane

Concen: 0.099 ppbv m

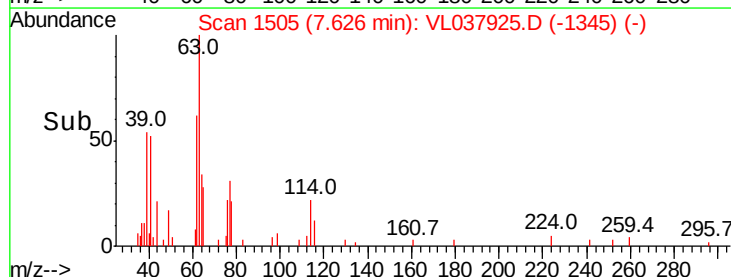
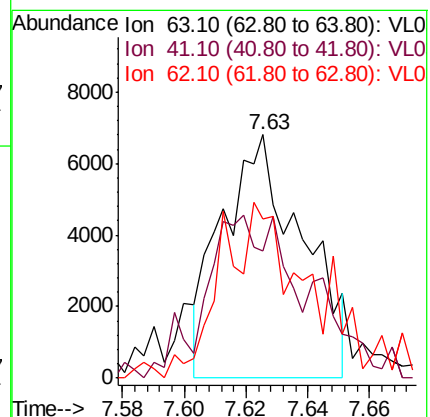
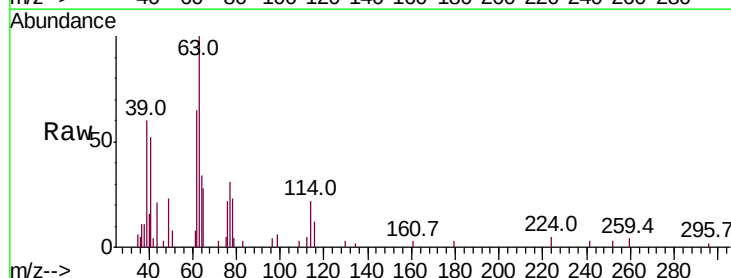
RT: 7.63 min Scan# 1505

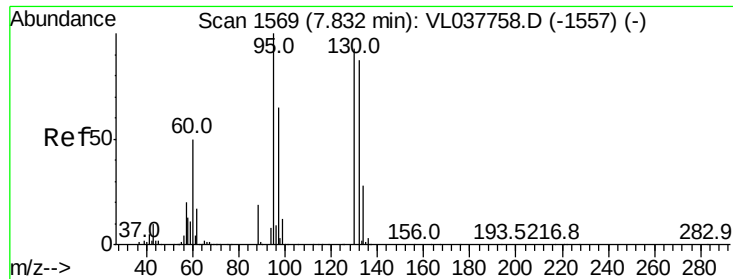
Delta R.T. 0.02 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

Tgt Ion: 63	Resp:	12350
Ion	Ratio	Lower Upper
63	100	
41	52.0	49.8 74.6
62	65.2	54.6 82.0



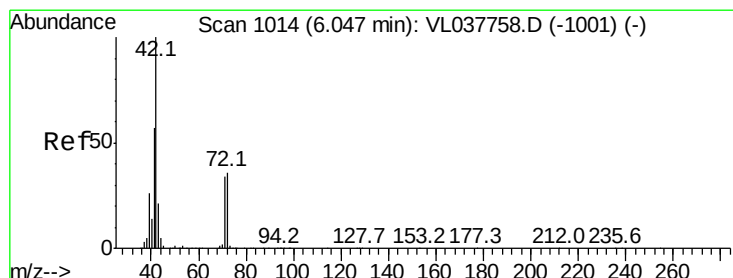
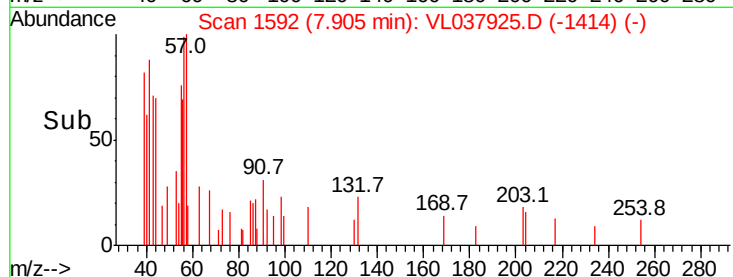
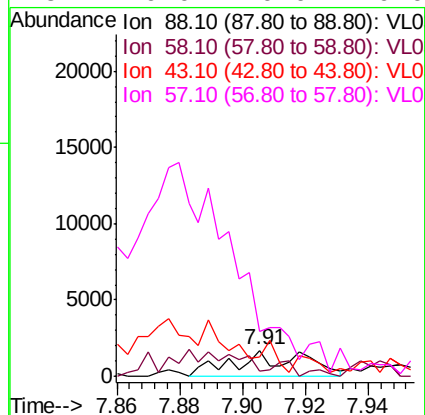
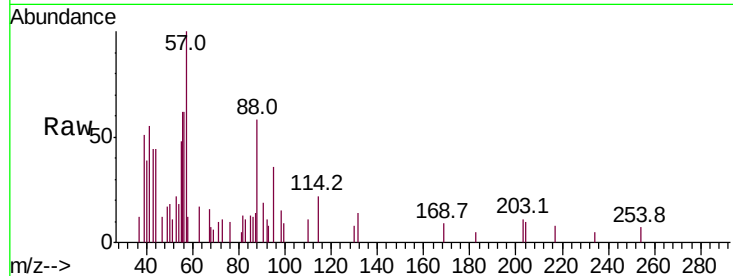


#40
1,4-Dioxane
Concen: 0.081 ppbv m
RT: 7.91 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Oct 2021 20:52
LOD-MDL-AIR-01-QT4-2021

Tot Ion:
Ion Ratio
88 100
58 0.
43 0.
57 0.0 0.0 0.0

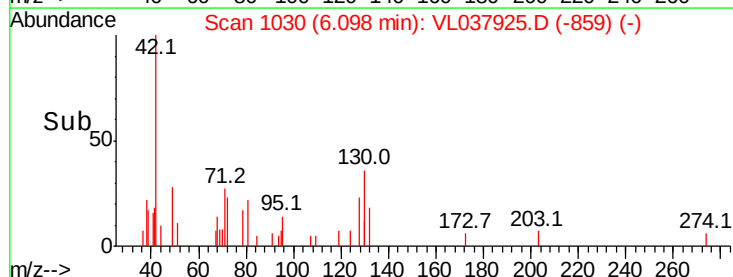
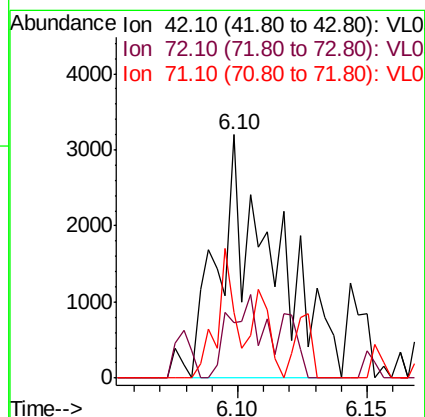
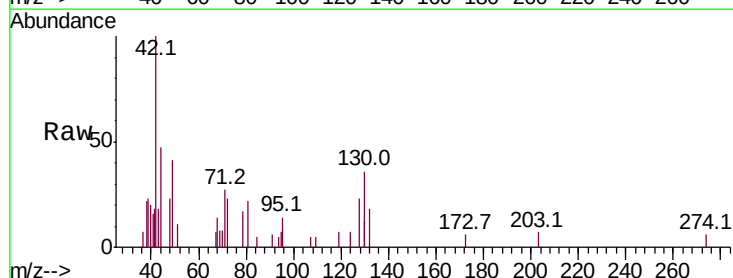
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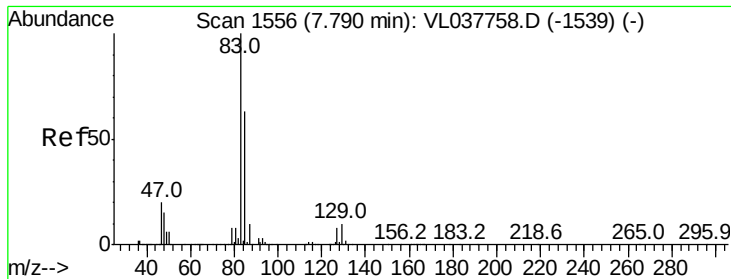
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#41
Tetrahydrofuran
Concen: 0.061 ppbv m
RT: 6.10 min Scan# 1030
Delta R.T. 0.05 min
Lab File: VL037925.D
Acq: 27 Oct 2021 20:52

Tgt Ion: 42 Resp: 4695
Ion Ratio Lower Upper
42 100
72 0.0 31.9 47.9#
71 0.0 30.3 45.5#





#42

Bromodichloromethane

Concen: 0.093 ppbv m

RT: 7.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:

Ion Ratio

83 100

85 72.

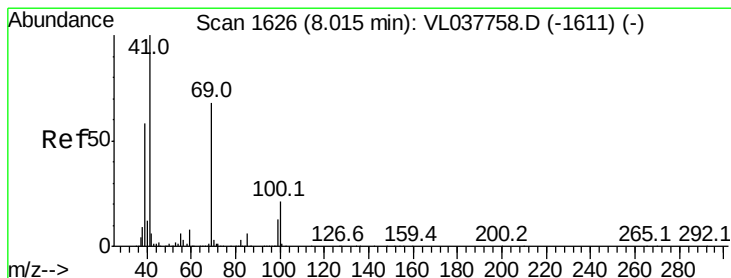
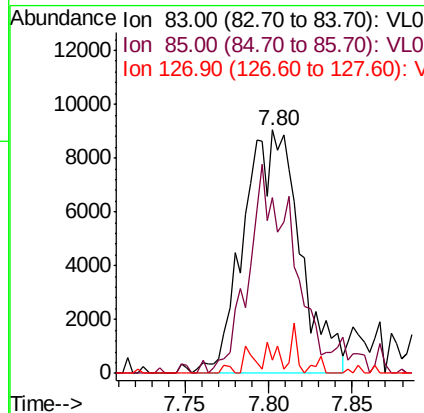
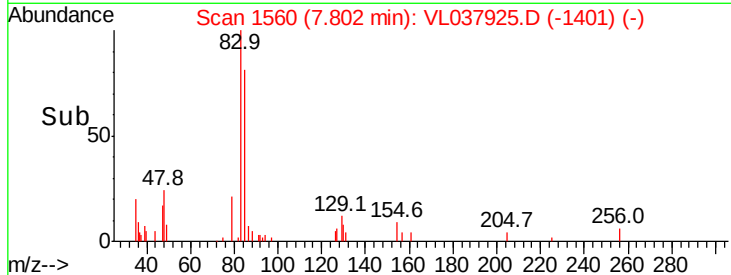
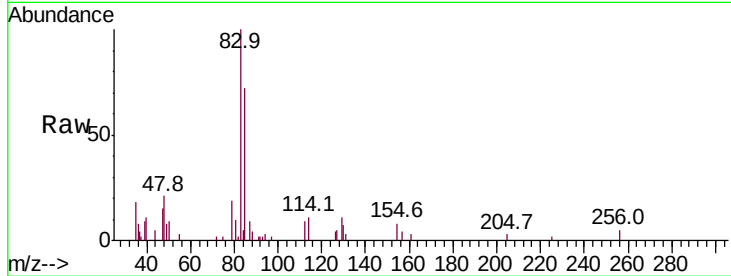
127 5.

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#43

Methyl Methacrylate

Concen: 0.051 ppbv m

RT: 8.04 min Scan# 1634

Delta R.T. 0.03 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

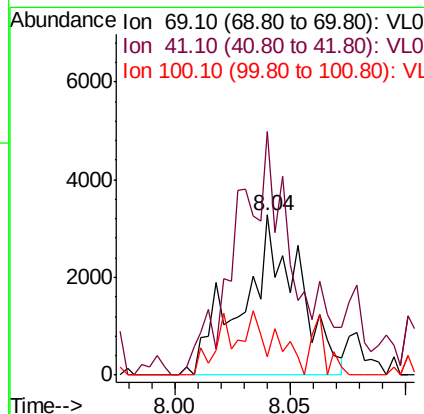
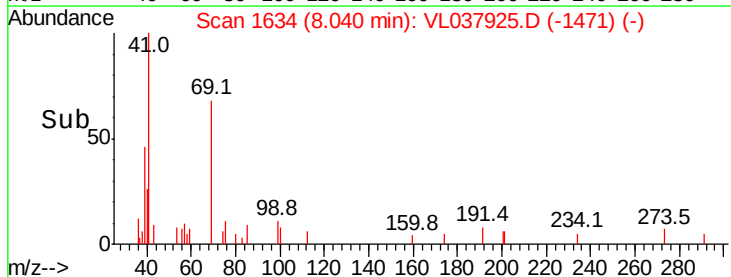
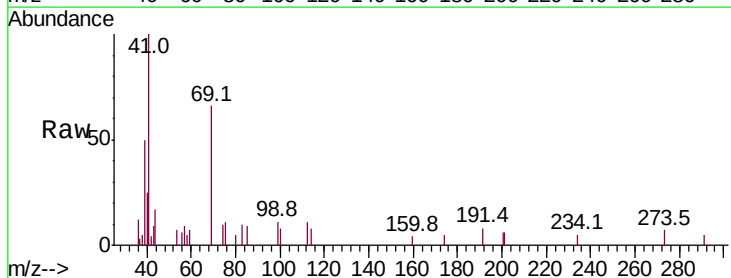
Tgt Ion: 69 Resp: 5578

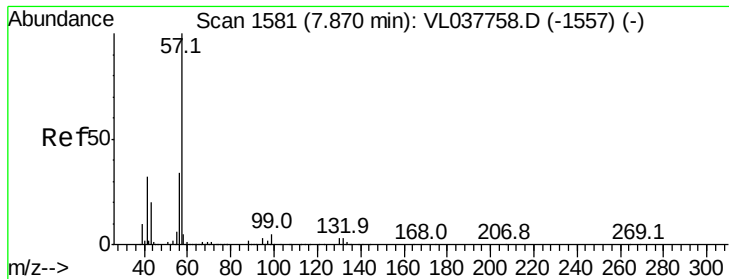
Ion Ratio Lower Upper

69 100

41 0.0 121.0 181.4#

100 0.0 27.7 41.5#



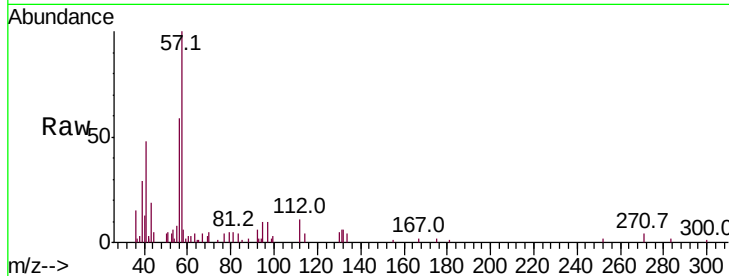


#44
2,2,4-Trimethylpentane
Concen: 0.060 ppbv m
RT: 7.88
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: LOD-MDL-AIR-01-QT4-2021
Acq: 27 Oct 2021 20:52

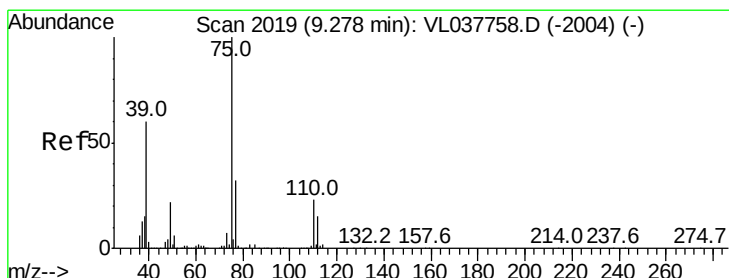
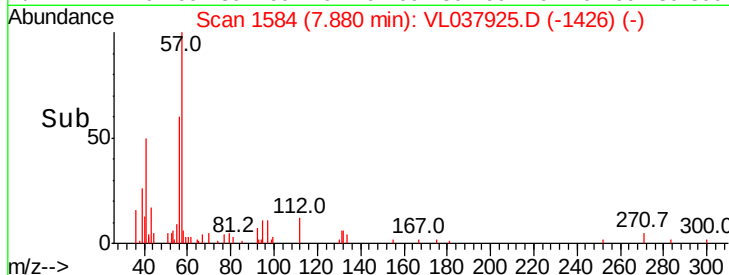
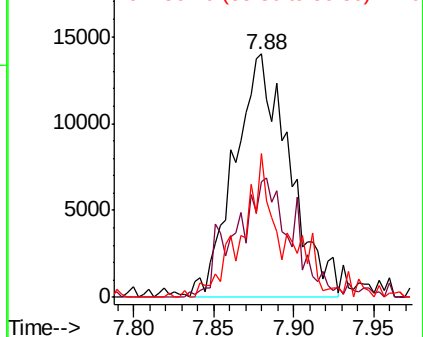
Tot Ion:
Ion Ratio
57 100
41 50.
56 44.

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Supervised By :Mahesh Dadoda 10/29/2021

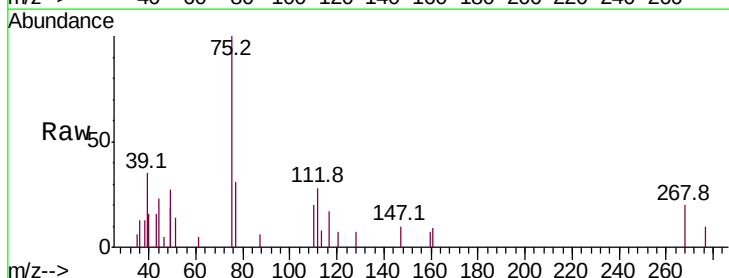


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

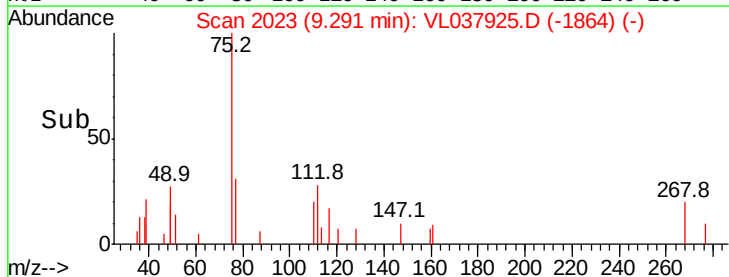
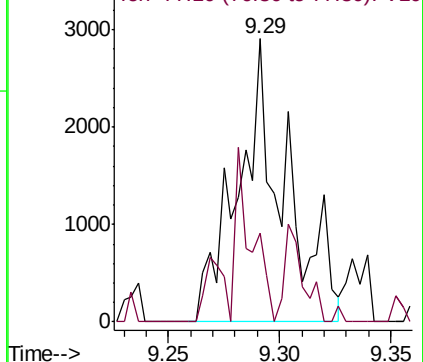


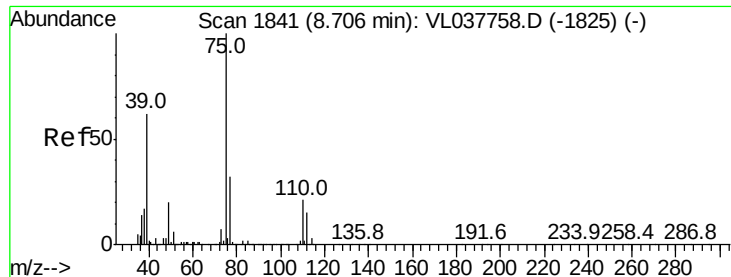
#45
t-1,3-Dichloropropene
Concen: 0.057 ppbv m
RT: 9.29 min Scan# 2023
Delta R.T. 0.01 min
Lab File: VL037925.D
Acq: 27 Oct 2021 20:52

Tgt Ion: 75 Resp: 4277
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8



Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0





#46

cis-1,3-Dichloropropene

Concen: 0.064 ppbv m

RT: 8.71 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:

Ion Ratio

75 100

39 67.

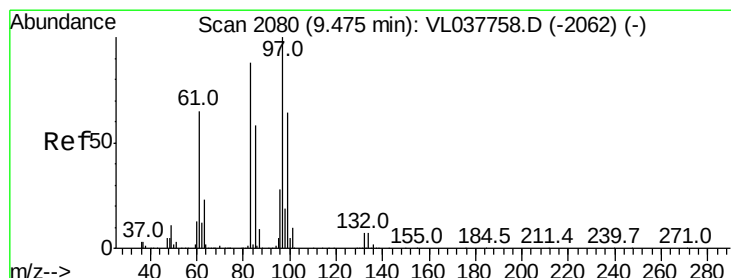
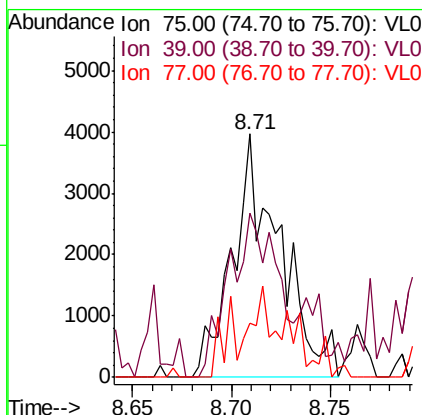
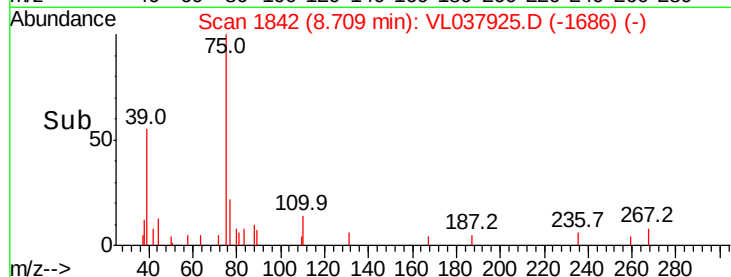
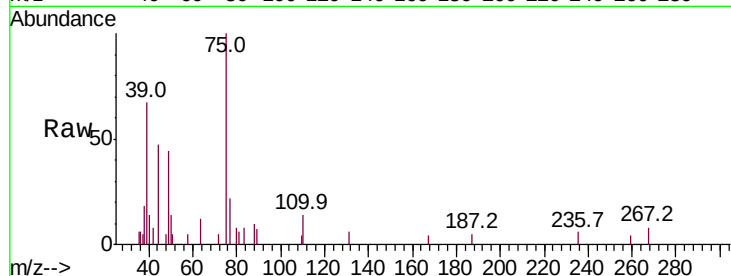
77 22.

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#47

1,1,2-Trichloroethane

Concen: 0.089 ppbv m

RT: 9.48 min Scan# 2082

Delta R.T. 0.01 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

Tgt Ion: 97 Resp: 12069

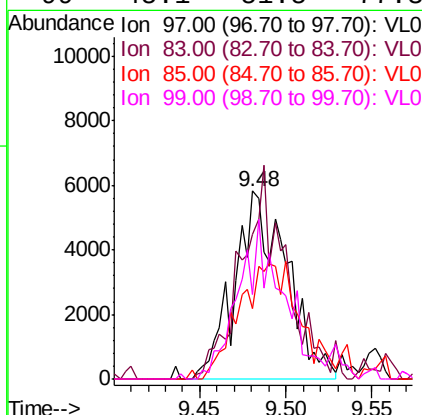
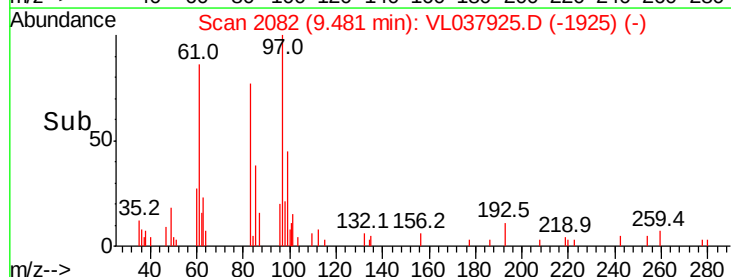
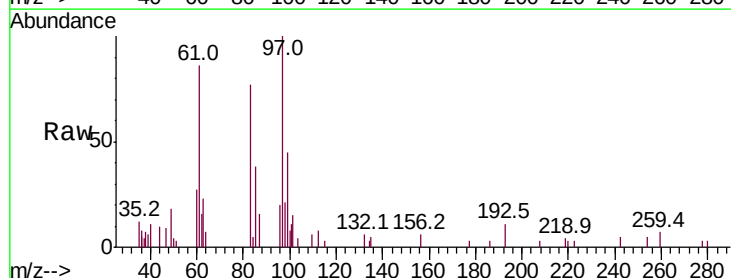
Ion Ratio Lower Upper

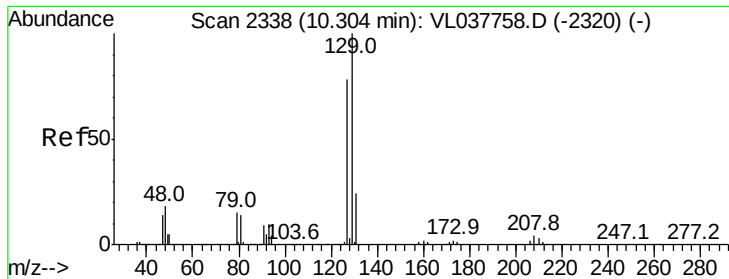
97 100

83 77.1 70.6 105.8

85 37.7 45.9 68.9#

99 45.1 51.5 77.3#





#48

Dibromochloromethane

Concen: 0.078 ppbv m

RT: 10.31

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:1

Ion Rati

129 100

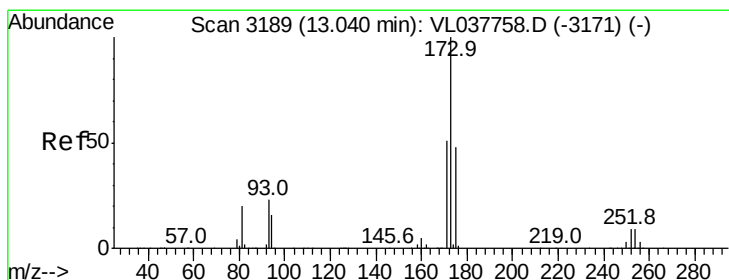
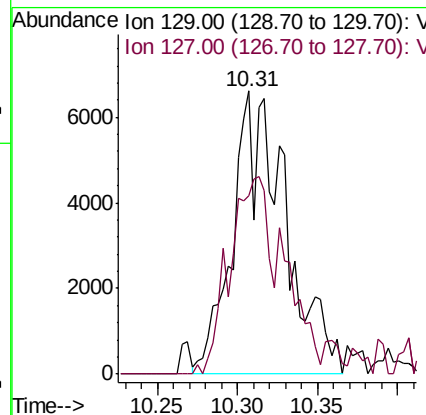
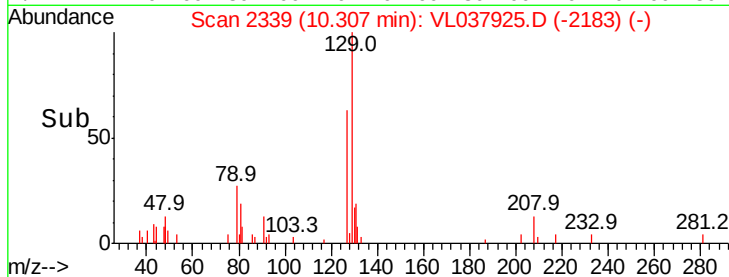
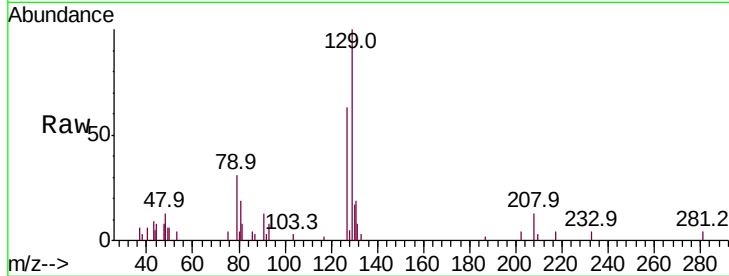
127 2.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#49

Bromoform

Concen: 0.072 ppbv m

RT: 13.04 min Scan# 3190

Delta R.T. 0.00 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

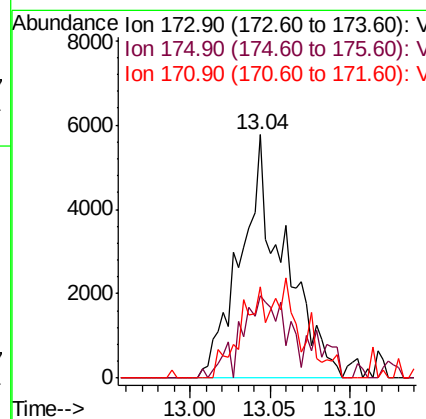
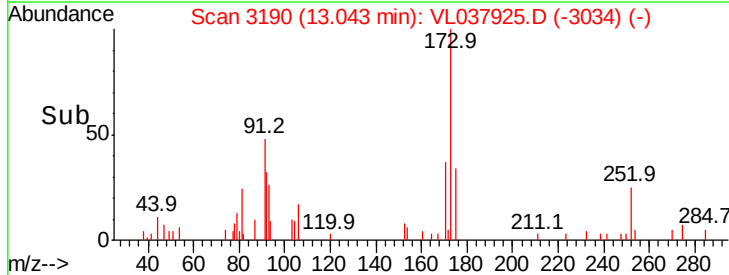
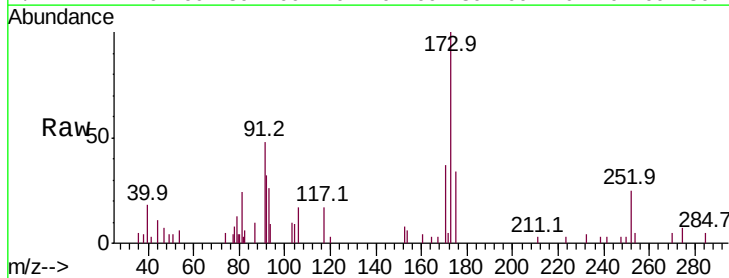
Tgt Ion:173 Resp: 10704

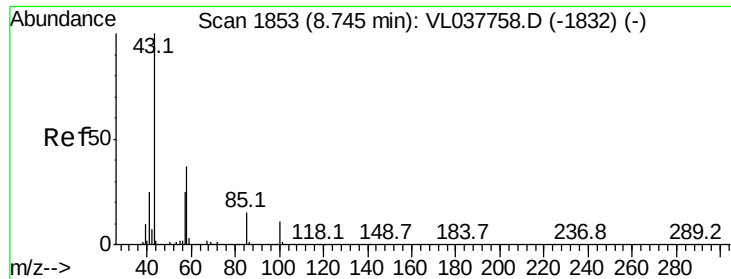
Ion Ratio Lower Upper

173 100

175 0.0 39.9 59.9#

171 48.9 43.4 65.2



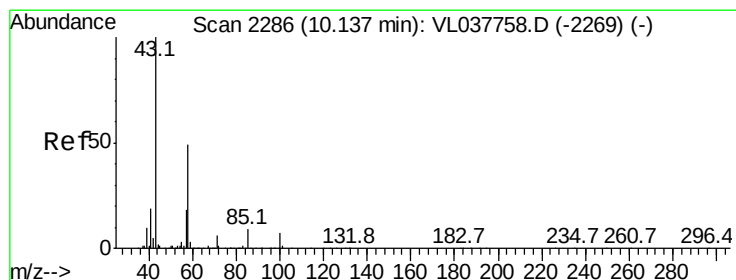
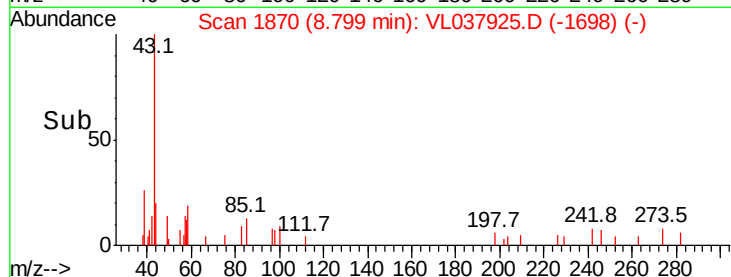
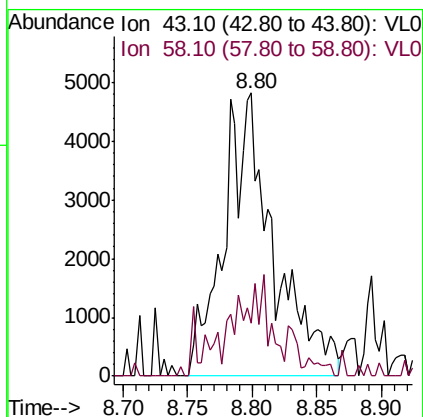
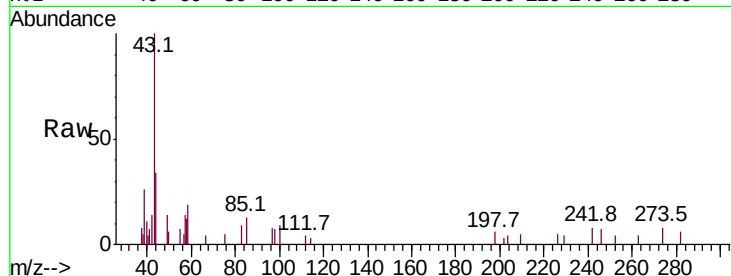


#50
 4-Methyl-2-Pentanone
 Concen: 0.064 ppbv m
 RT: 8.80
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Oct 2021 20:52

Tot Ion:
 Ion Ratio
 43 100
 58 0.

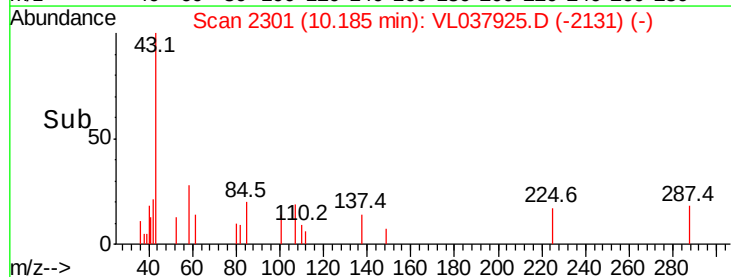
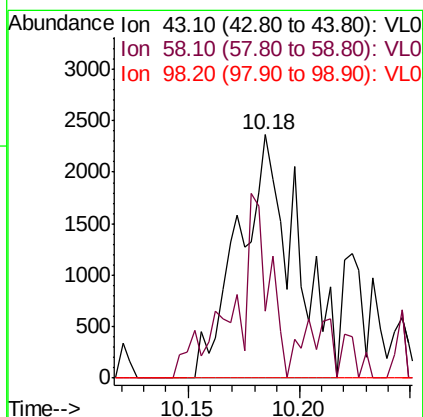
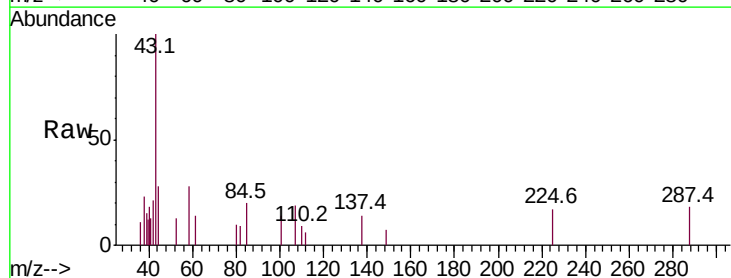
Manual Integrations
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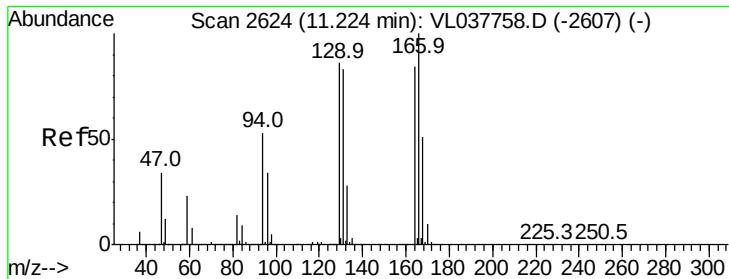
Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021



#51
 2-Hexanone
 Concen: 0.046 ppbv m
 RT: 10.18 min Scan# 2301
 Delta R.T. 0.05 min
 Lab File: VL037925.D
 Acq: 27 Oct 2021 20:52

Tgt Ion: 43 Resp: 4236
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.4 59.0#
 98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.083 ppbv m

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

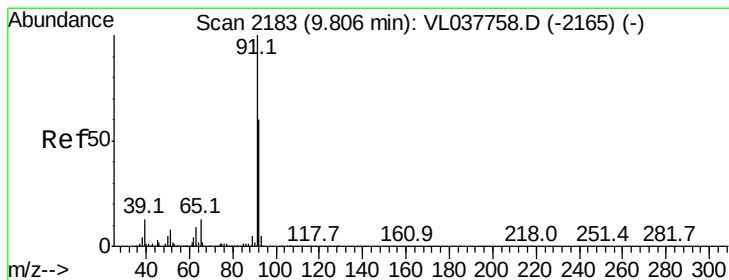
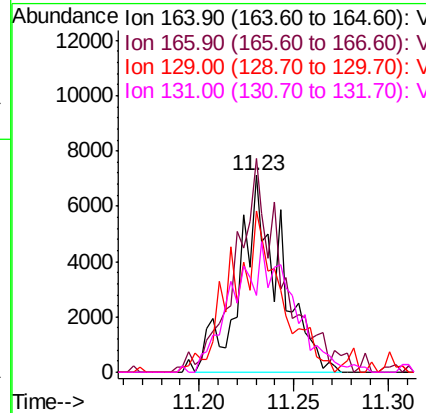
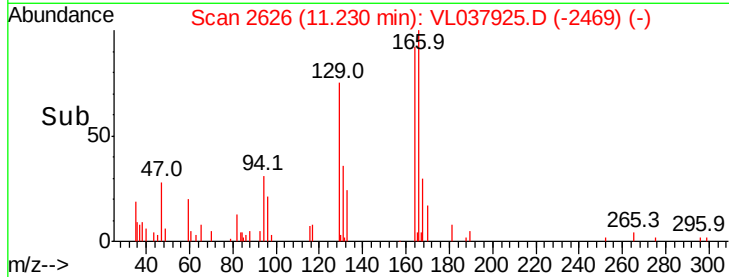
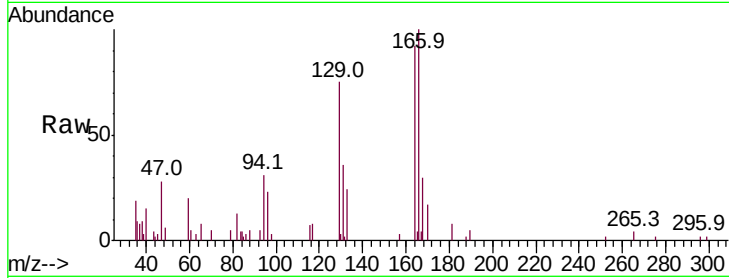
Acq: 27 Oct 2021 20:52

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021

Tot Ion	Ion	Ratio
164	100	
166	108.	
129	81.	
131	39.0	79.4 119.2#



#53

Toluene

Concen: 0.053 ppbv m

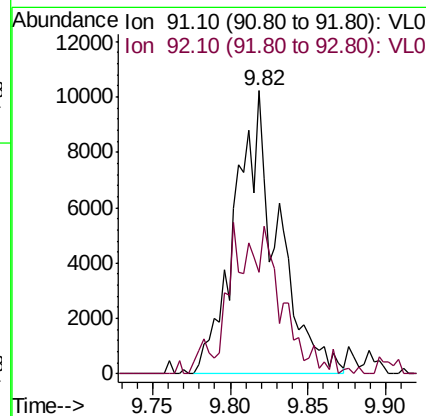
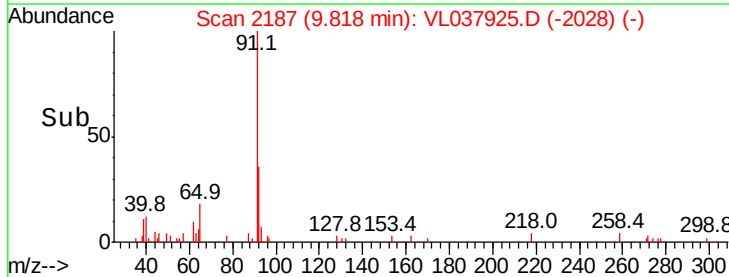
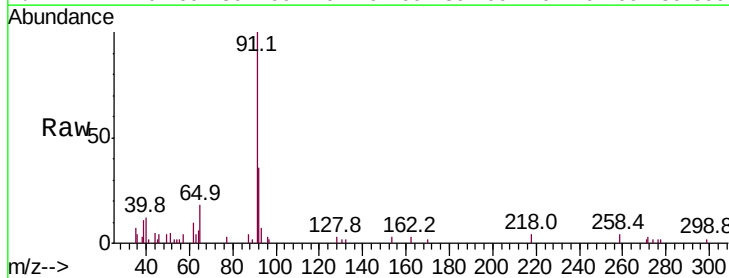
RT: 9.82 min Scan# 2187

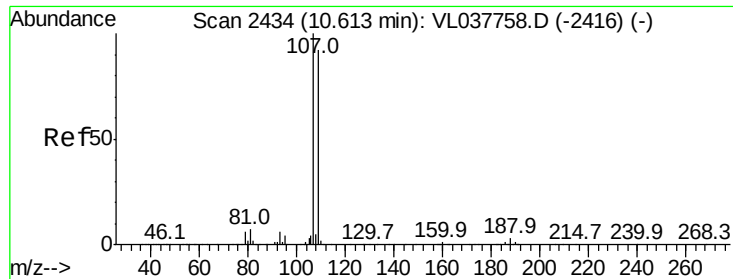
Delta R.T. 0.01 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
92	0.0	48.4	72.6#	



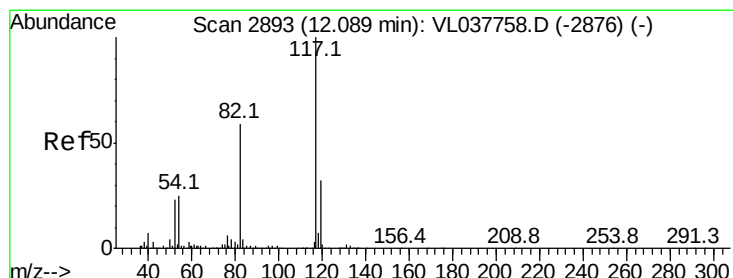
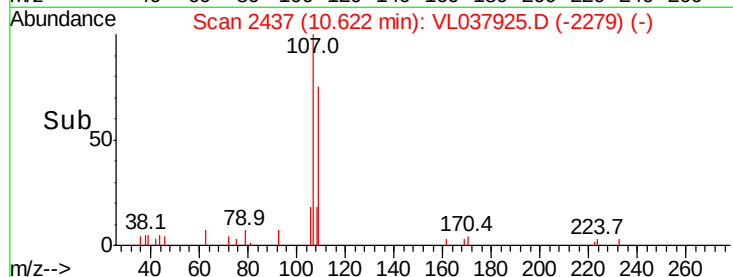
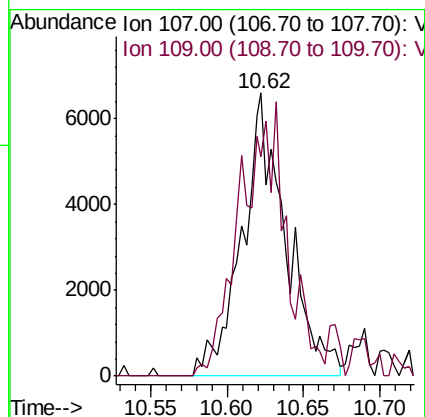
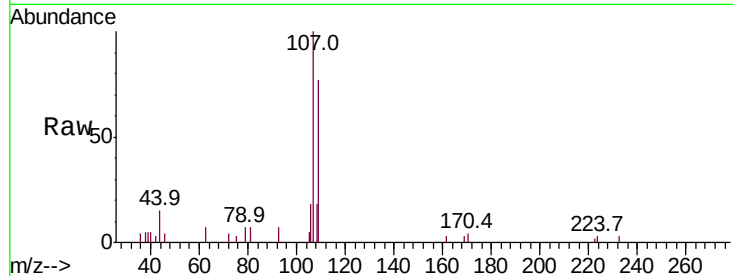


#54
 1,2-Dibromoethane
 Concen: 0.071 ppbv m
 RT: 10.62
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: LOD-MDL-AIR-01-QT4-2021
 Acq: 27 Oct 2021 20:52

Tot Ion:1
 Ion Rati
 107 100
 109 77.

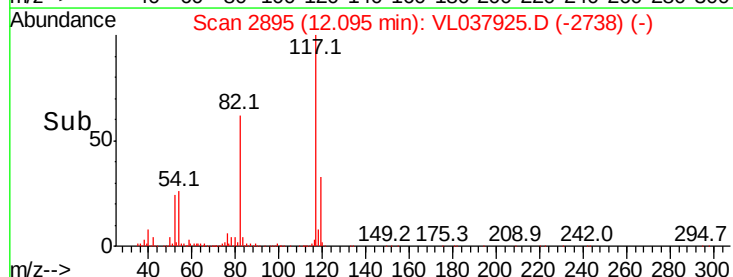
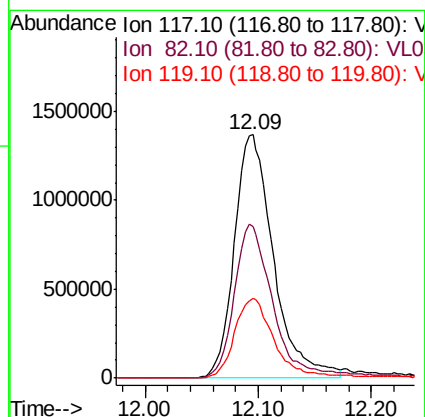
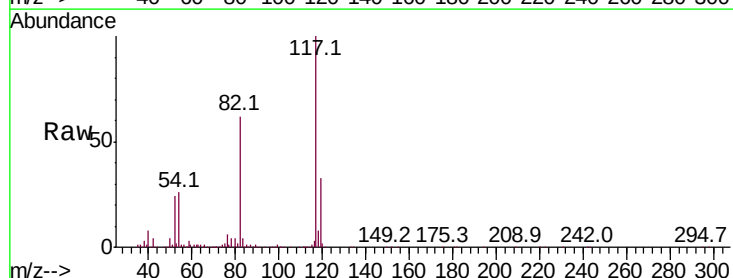
Manual Integrations
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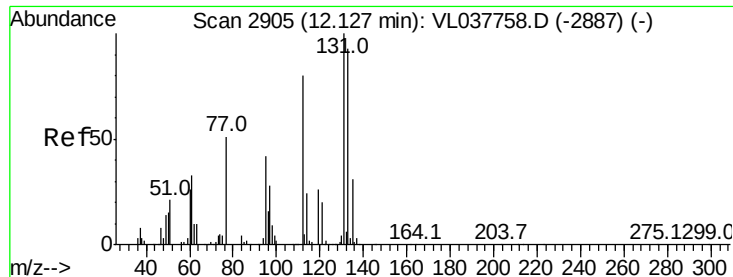
Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2895
 Delta R.T. 0.01 min
 Lab File: VL037925.D
 Acq: 27 Oct 2021 20:52

Tgt Ion:117 Resp: 3298194
 Ion Ratio Lower Upper
 117 100
 82 64.9 52.2 78.2
 119 34.4 26.0 39.0



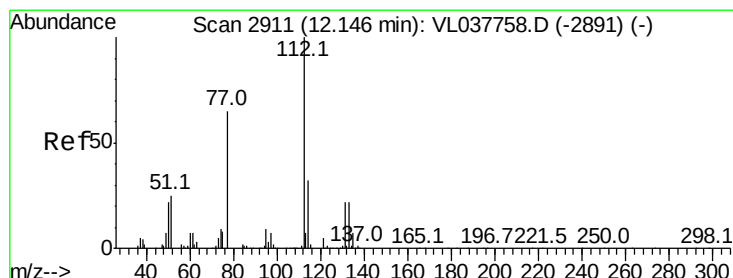
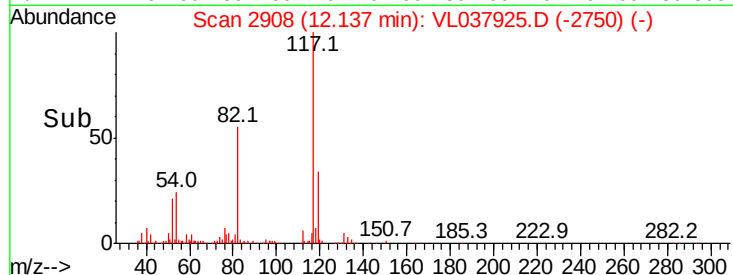
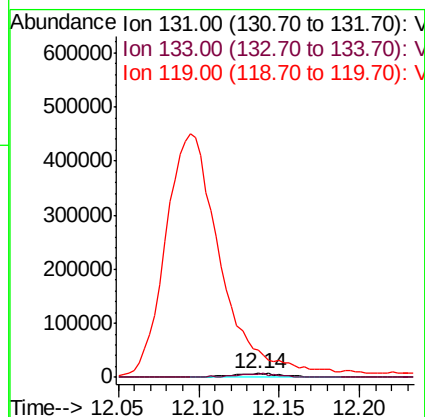
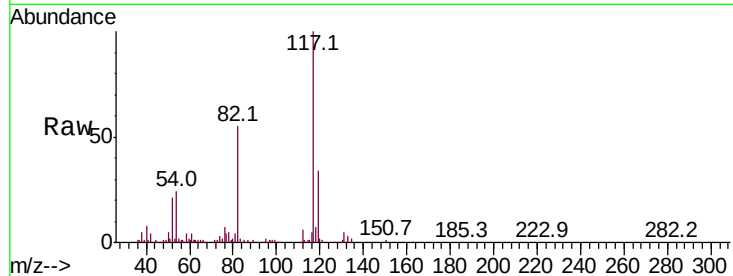


#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.123 ppbv m
 RT: 12.14 min
 Instrument: MSVOA_1
 Delta R.T.: 0.01 min
 Lab File: ClientSampleId :
 LOD-MDL-AIR-01-QT4-2021
 Acq: 27 Oct 2021 20:52

Tot Ion: 1
 Ion Ratio
 131 100
 133 0.
 119 0.

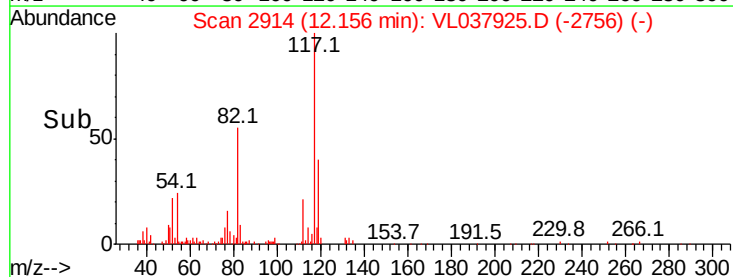
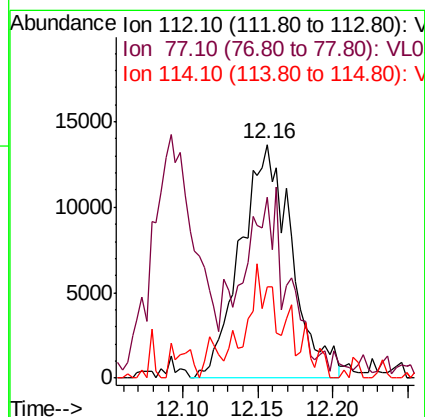
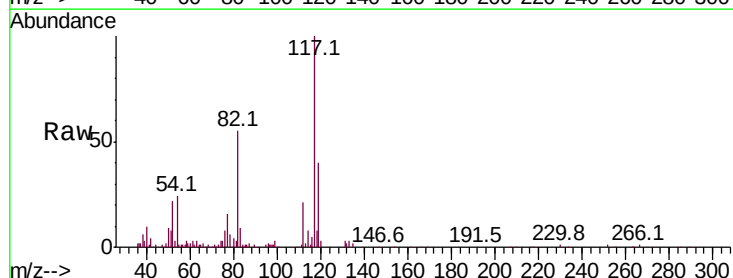
Manual Integrations
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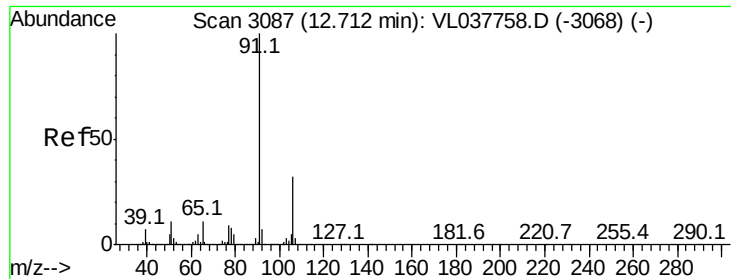
Reviewed By : Semsettin Yesilyurt 10/28/2021
 Supervised By : Mahesh Dadoda 10/29/2021



#57
 Chlorobenzene
 Concen: 0.120 ppbv m
 RT: 12.16 min Scan# 2914
 Delta R.T.: 0.01 min
 Lab File: VL037925.D
 Acq: 27 Oct 2021 20:52

Tgt Ion: 112 Resp: 32529
 Ion Ratio Lower Upper
 112 100
 77 77.1 51.8 77.8
 114 38.8 28.8 35.2#





#58

Ethyl Benzene

Concen: 0.049 ppbv m

RT: 12.73

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 27 Oct 2021 20:52

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

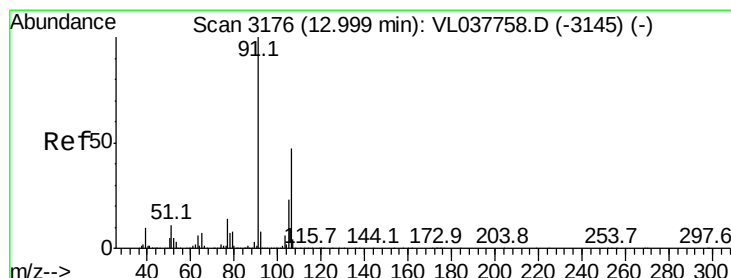
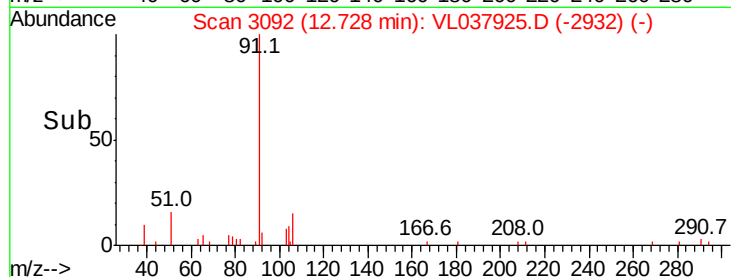
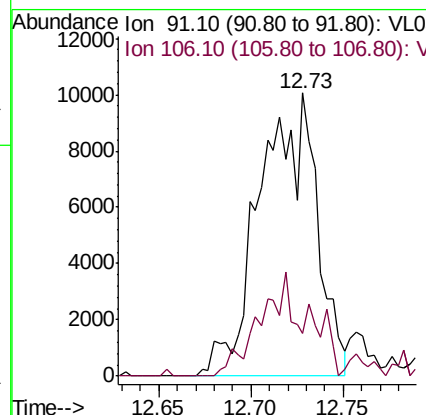
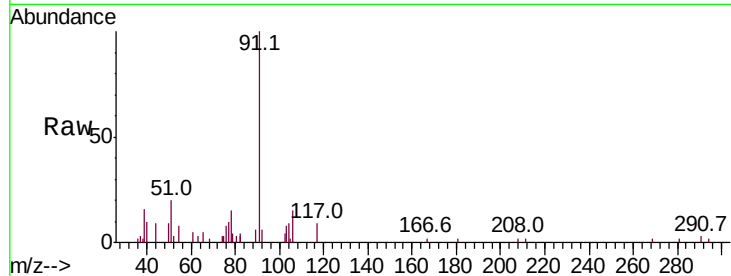
Supervised By :Mahesh Dadoda 10/29/2021

Tot Ion:

Ion Ratio

91 100

106 15.



#59

m/p-Xylene

Concen: 0.098 ppbv m

RT: 12.99 min Scan# 3173

Delta R.T. -0.01 min

Lab File: VL037925.D

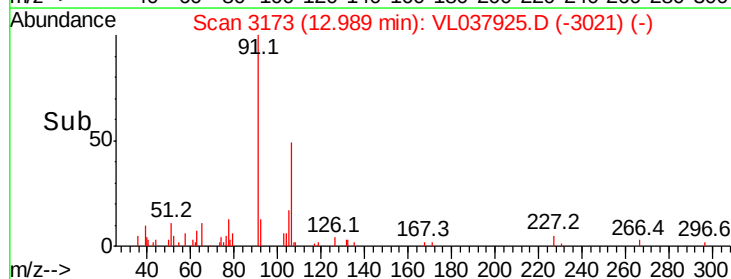
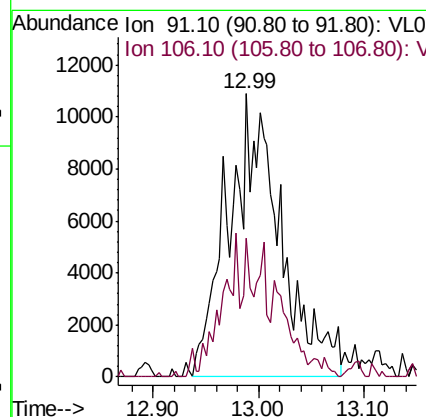
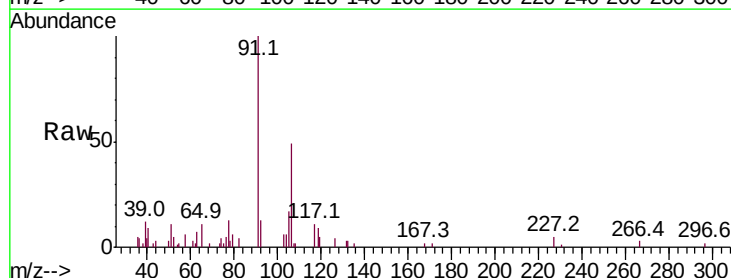
Acq: 27 Oct 2021 20:52

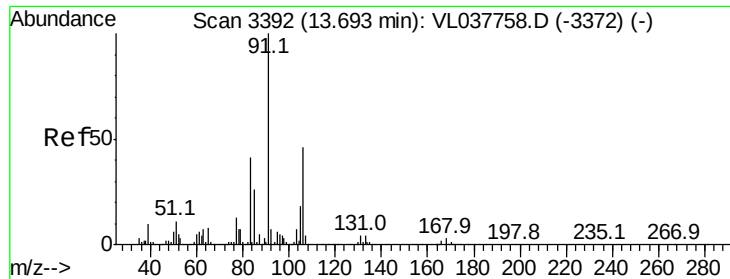
Tgt Ion: 91 Resp: 37345

Ion Ratio Lower Upper

91 100

106 0.0 36.7 55.1#



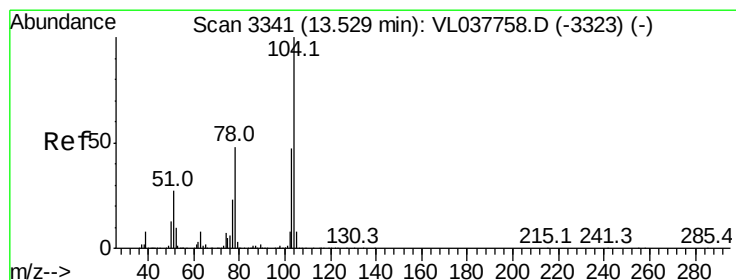
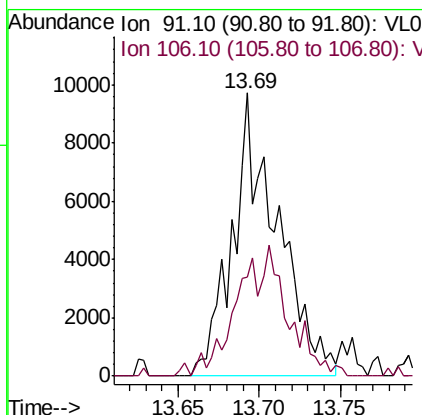
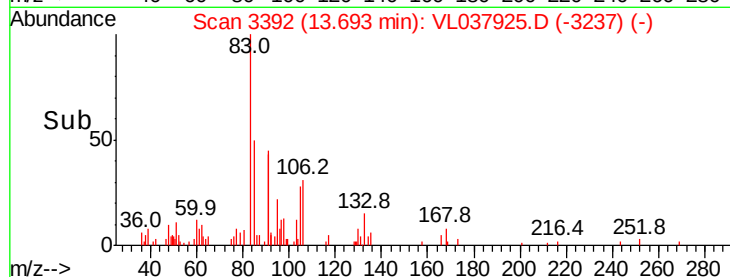
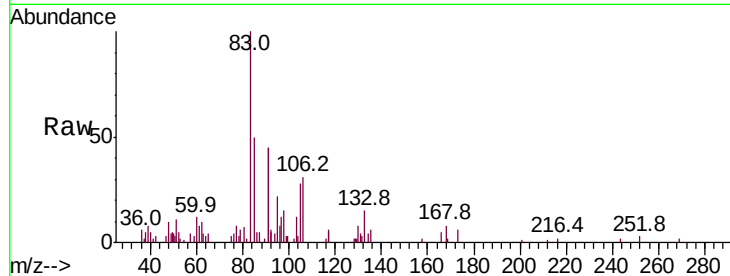


#60
o-Xylene
Concen: 0.051 ppbv m
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Oct 2021 20:52 LOD-MDL-AIR-01-QT4-2021

Tot Ion:
Ion Ratio
91 100
106 52.

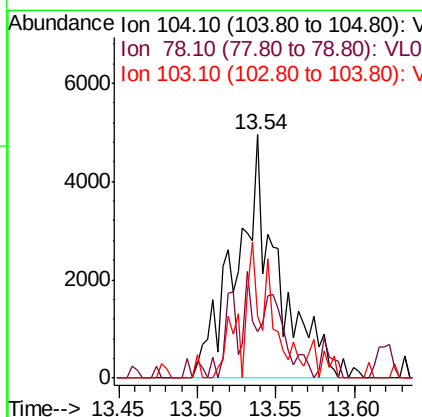
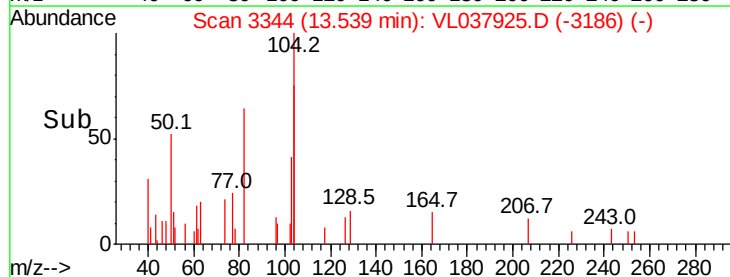
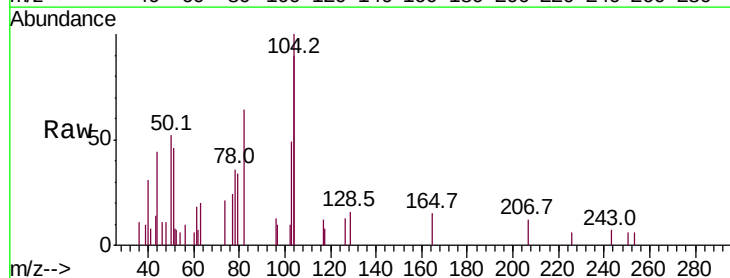
Manual Integrations
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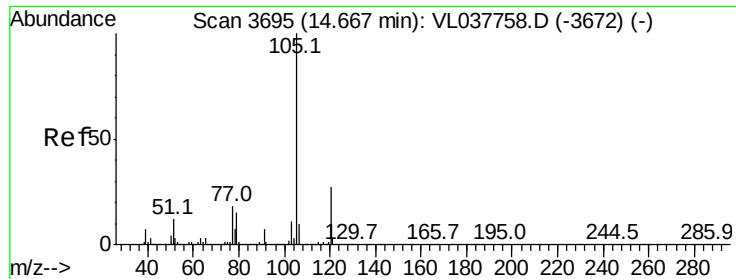
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#61
Styrene
Concen: 0.051 ppbv m
RT: 13.54 min Scan# 3344
Delta R.T. 0.01 min
Lab File: VL037925.D
Acq: 27 Oct 2021 20:52

Tgt Ion:104 Resp: 9013
Ion Ratio Lower Upper
104 100
78 0.0 40.6 61.0#
103 42.2 39.6 59.4





#62

Isopropylbenzene

Concen: 0.071 ppbv m

RT: 14.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52

Tot Ion:1

Ion Ratio

105 100

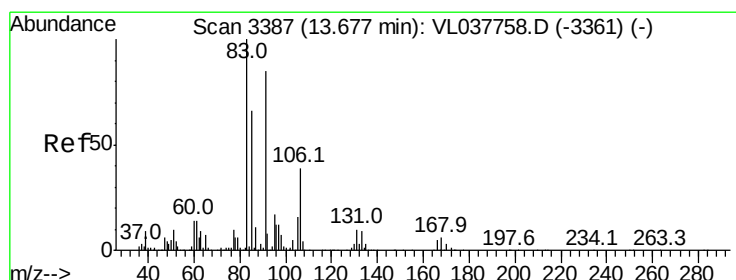
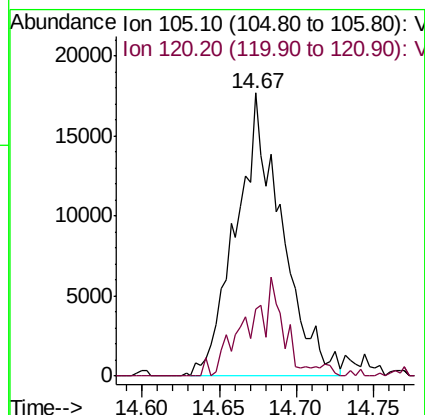
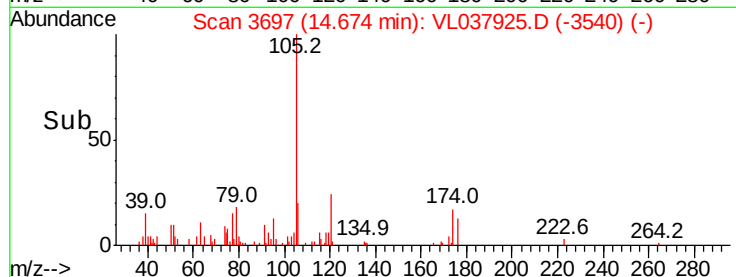
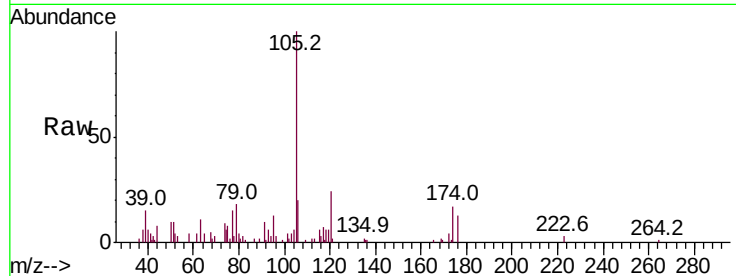
120 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#63

1,1,2,2-Tetrachloroethane

Concen: 0.096 ppbv m

RT: 13.69 min Scan# 3392

Delta R.T. 0.02 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

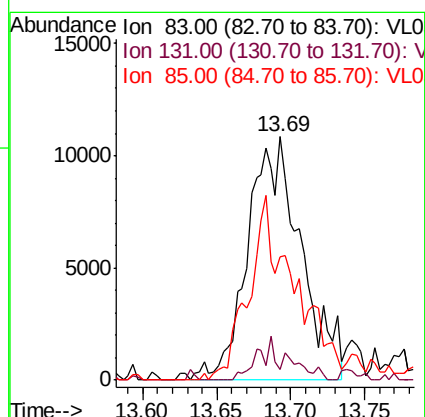
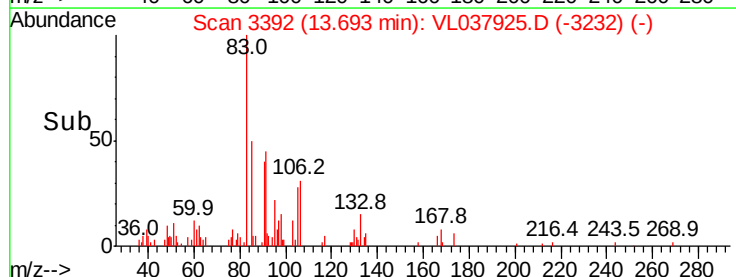
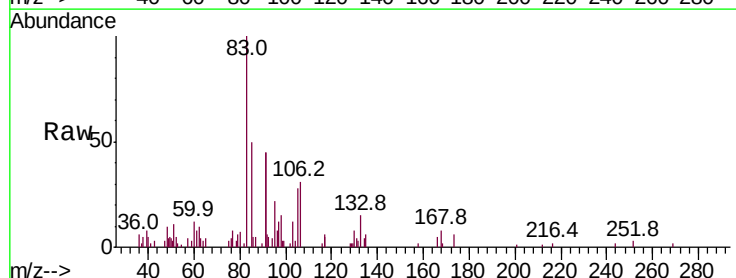
Tgt Ion: 83 Resp: 27077

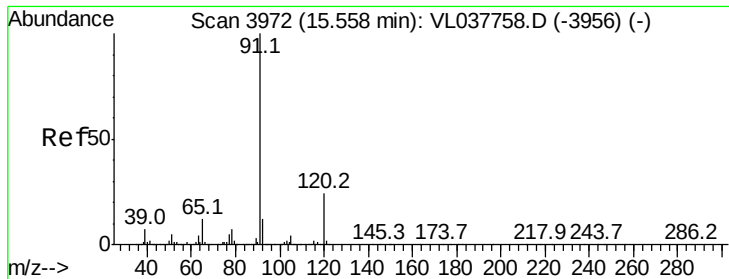
Ion Ratio Lower Upper

83 100

131 0.4 5.0 15.0#

85 2.8 33.1 99.5#





#64

n-propylbenzene

Concen: 0.054 ppbv m

RT: 15.56

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

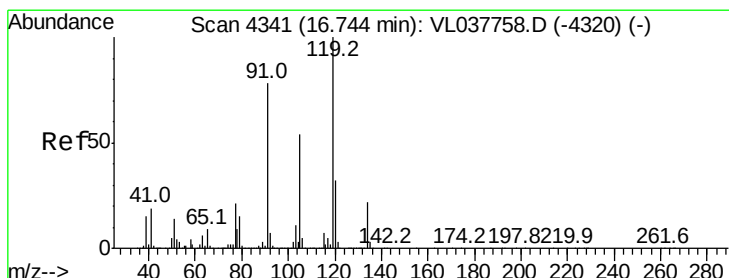
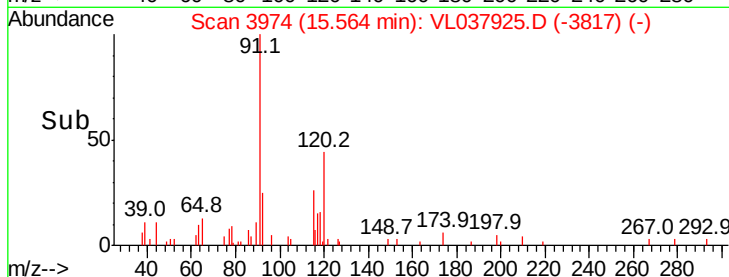
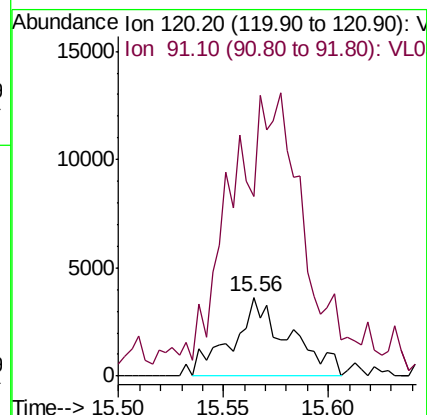
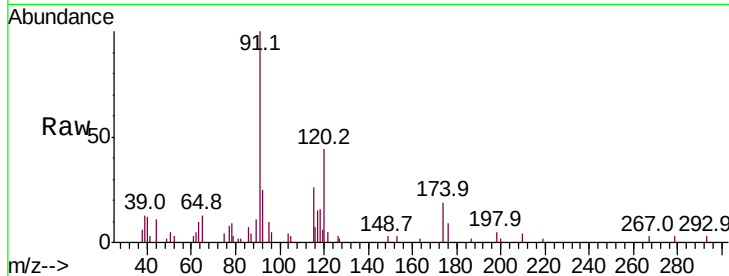
Acq: 27 Oct 2021 20:52

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APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021

Tot Ion:1
Ion Rati
120 100
91 0.



#65

tert-Butylbenzene

Concen: 0.058 ppbv m

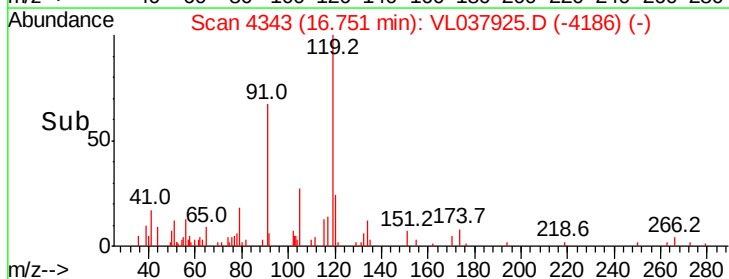
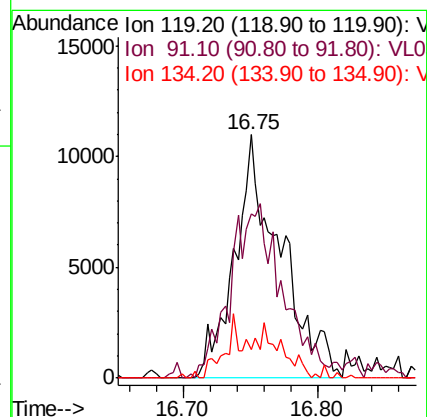
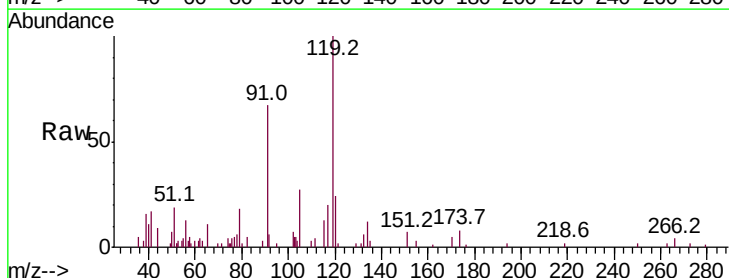
RT: 16.75 min Scan# 4343

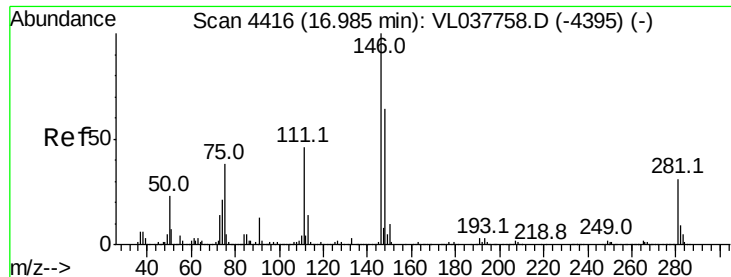
Delta R.T. 0.01 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

Tgt Ion:119 Resp: 25773
Ion Ratio Lower Upper
119 100
91 88.6 62.6 94.0
134 0.0 16.3 24.5#





#66

Benzyl Chloride

Concen: 0.098 ppbv m

RT: 17.00 min

Delta R.T. 0.01 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

Client Sample Id :

LOD-MDL-AIR-01-QT4-2021

Tot Ion:

Ion Ratio

91 100

126 0.

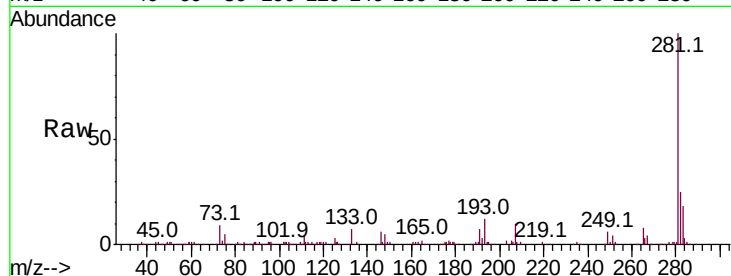
128 9.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

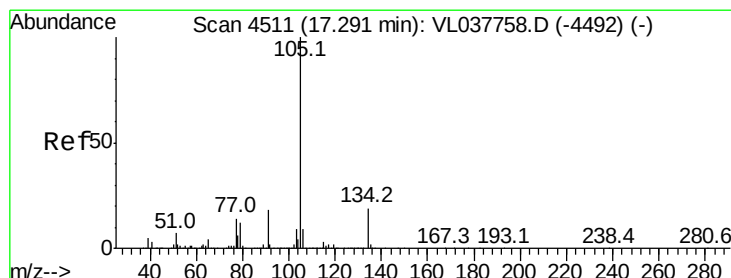
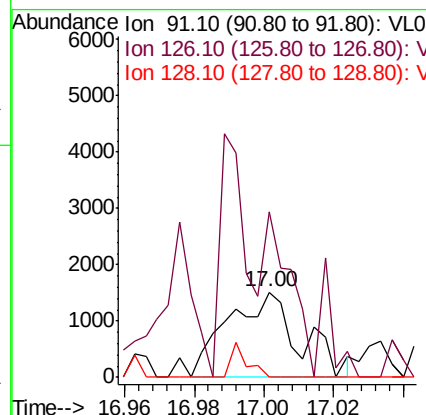
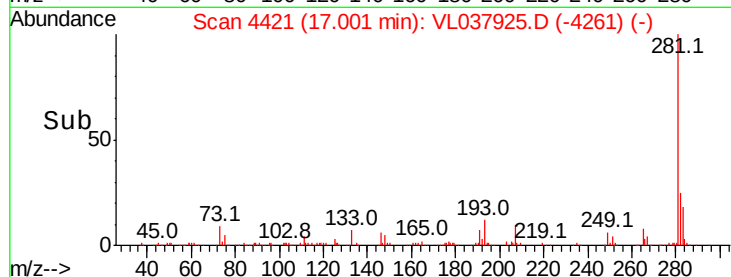
Supervised By :Mahesh Dadoda 10/29/2021



Abundance Ion 91.10 (90.80 to 91.80): VL037758.D (-4395) (-)

Ion 126.10 (125.80 to 126.80): VL037758.D (-4395) (-)

Ion 128.10 (127.80 to 128.80): VL037758.D (-4395) (-)



#67

sec-Butylbenzene

Concen: 0.059 ppbv m

RT: 17.30 min Scan# 4514

Delta R.T. 0.01 min

Lab File: VL037925.D

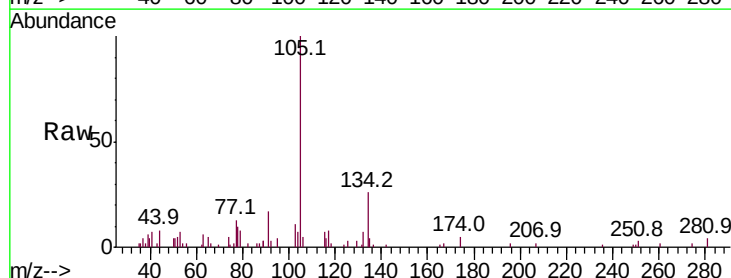
Acq: 27 Oct 2021 20:52

Tgt Ion:105 Resp: 36090

Ion Ratio Lower Upper

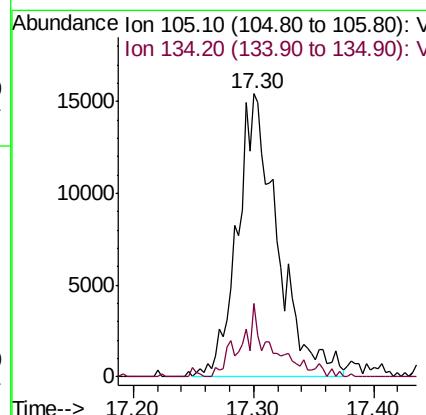
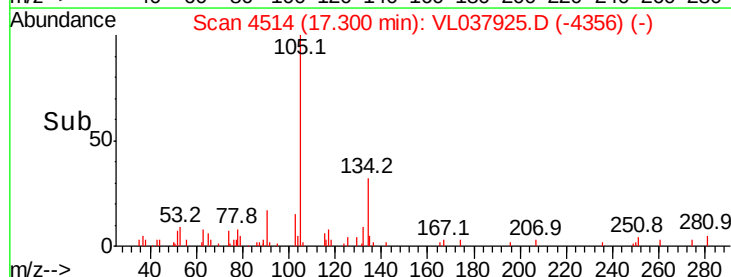
105 100

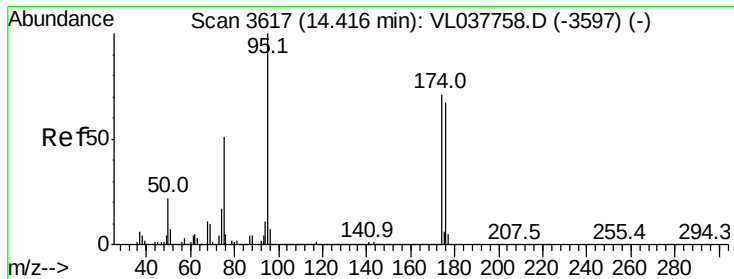
134 20.4 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): VL037758.D (-4492) (-)

Ion 134.20 (133.90 to 134.90): VL037758.D (-4492) (-)





#68

1-Bromo-4-Fluorobenzene

Concen: 10.145 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 20:52

Tot Ion:

Ion Ratio

95 100

174 73.

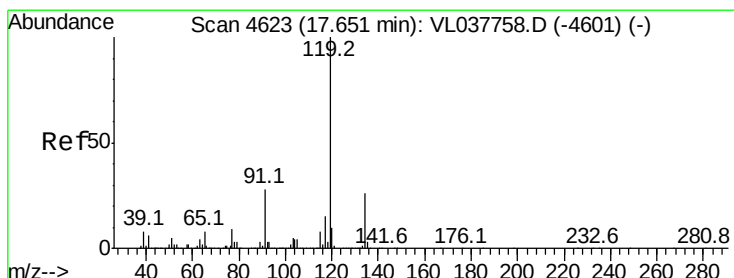
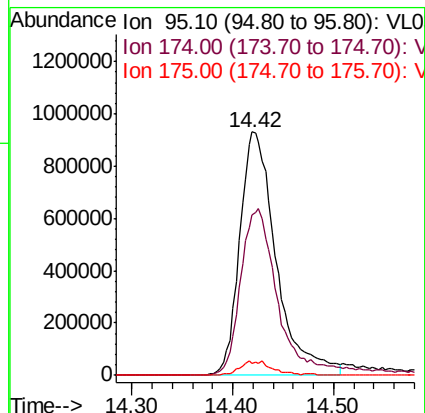
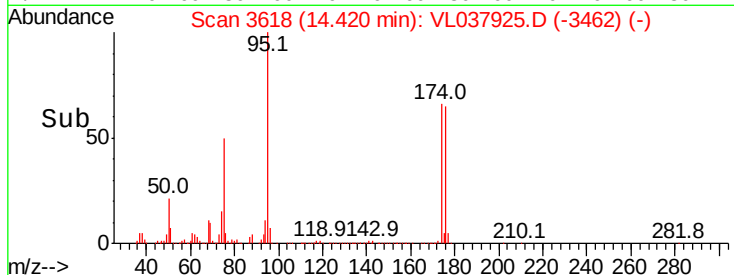
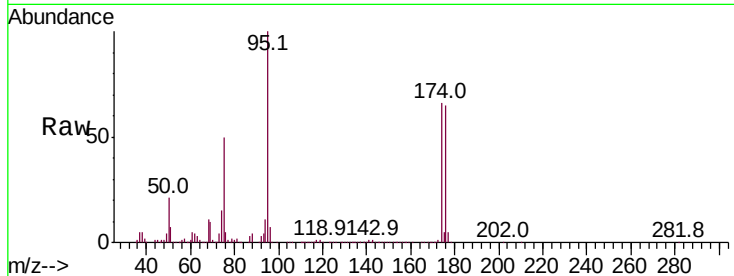
175 5.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#69

p-Isopropyltoluene

Concen: 0.045 ppbv m

RT: 17.66 min Scan# 4625

Delta R.T. 0.01 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

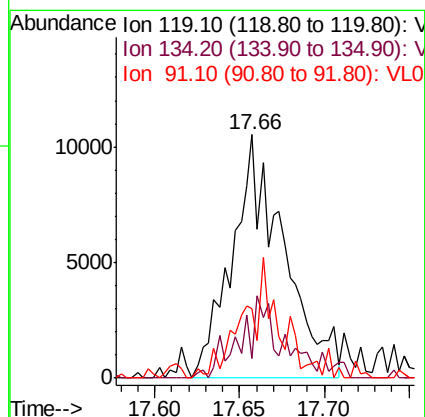
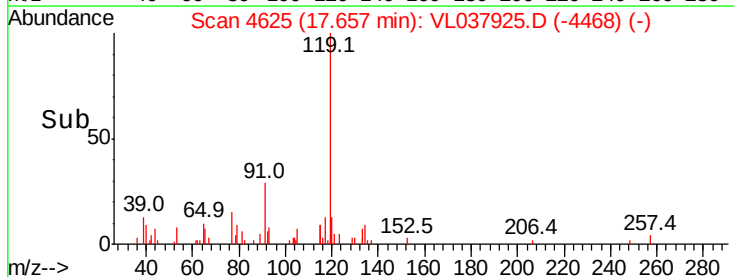
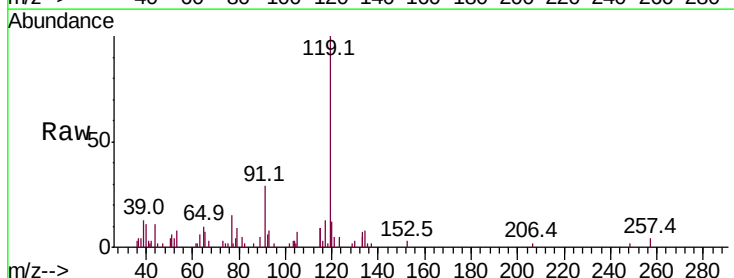
Tgt Ion:119 Resp: 22303

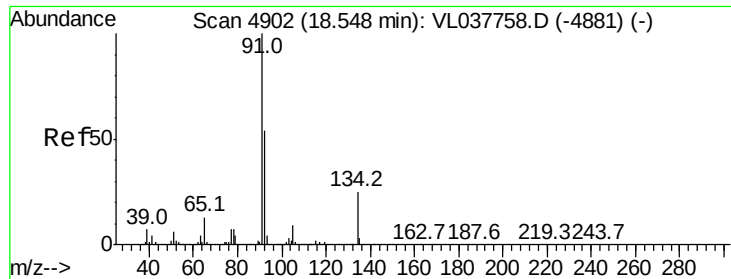
Ion Ratio Lower Upper

119 100

134 28.8 21.2 31.8

91 33.9 22.2 33.4#





#70

n-Butylbenzene

Concen: 0.045 ppbv m

RT: 18.56

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 27 Oct 2021 20:52

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021

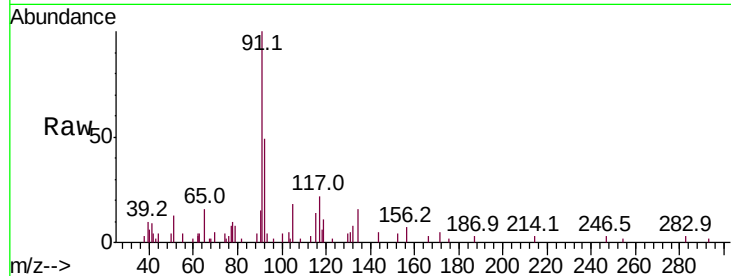
Tot Ion:

Ion Ratio

91 100

92 0.

134 0.



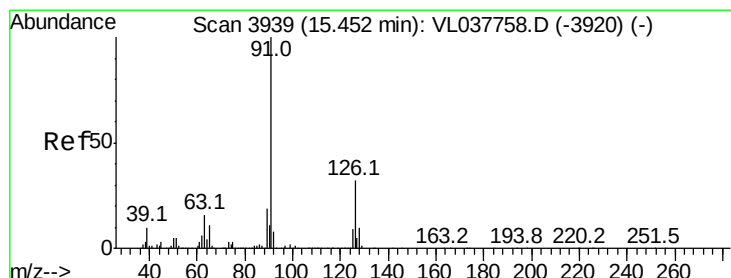
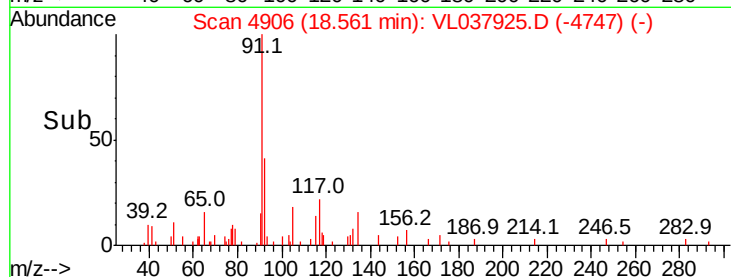
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): VL0

18.56

Time-->



#71

2-Chlorotoluene

Concen: 0.059 ppbv m

RT: 15.46 min Scan# 3943

Delta R.T. 0.01 min

Lab File: VL037925.D

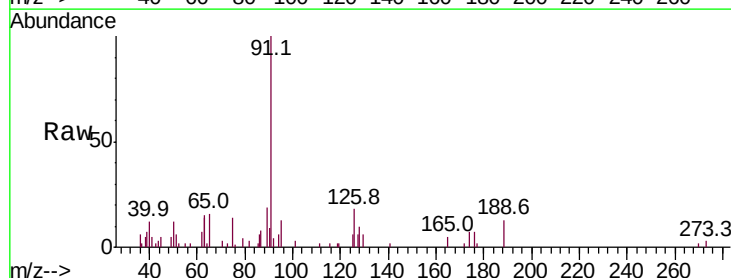
Acq: 27 Oct 2021 20:52

Tgt Ion: 91 Resp: 21105

Ion Ratio Lower Upper

91 100

126 39.9 13.6 54.6

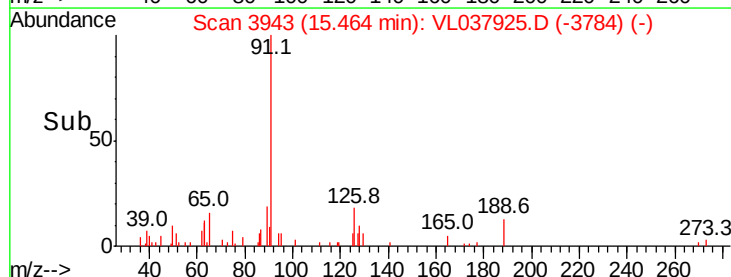


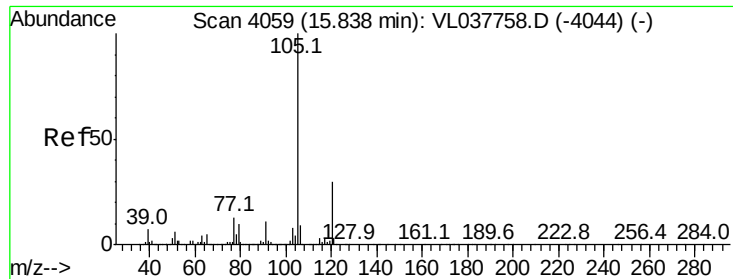
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0

15.46

Time-->





#72

4-Ethyltoluene

Concen: 0.044 ppbv m

RT: 15.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

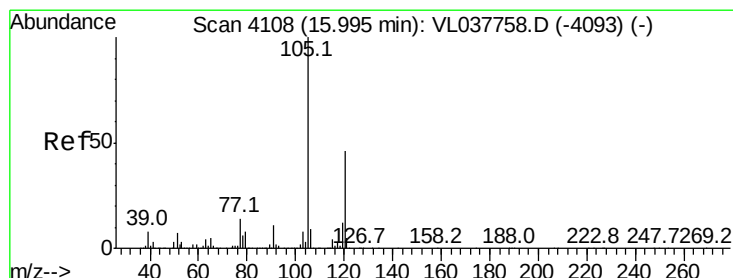
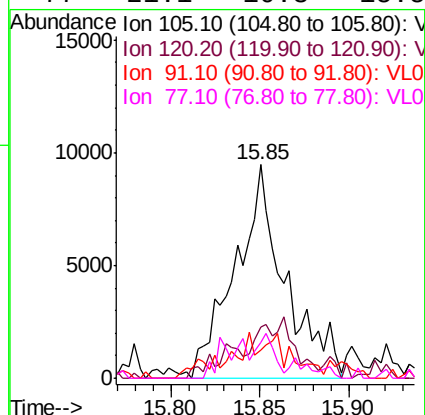
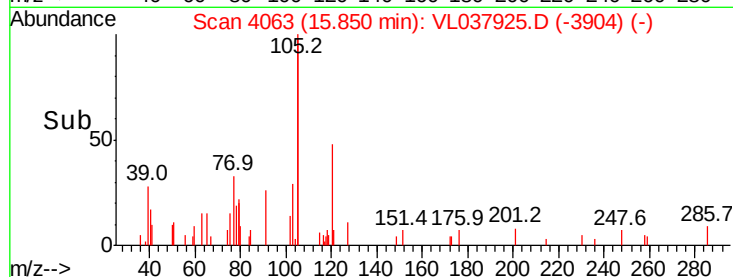
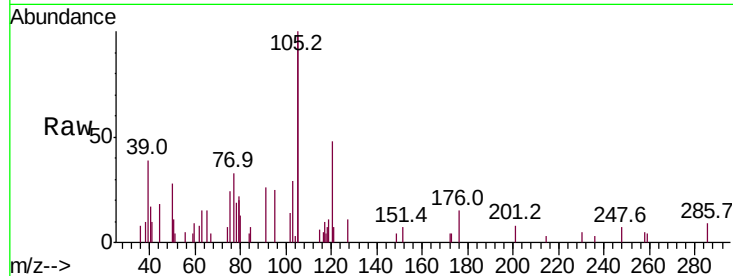
Acq: 27 Oct 2021 20:52

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Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021

Tot Ion	Ion	Ratio
105	100	
120	0.	
91	23.	
77	21.1	10.3 15.5#



#73

1,3,5-Trimethylbenzene

Concen: 0.051 ppbv m

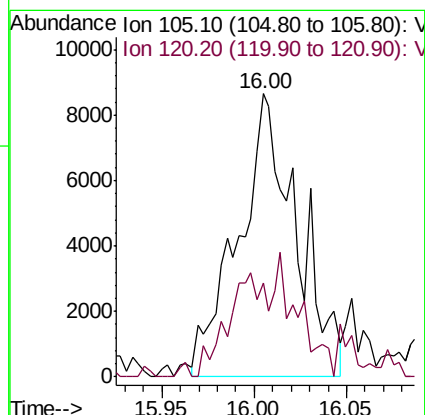
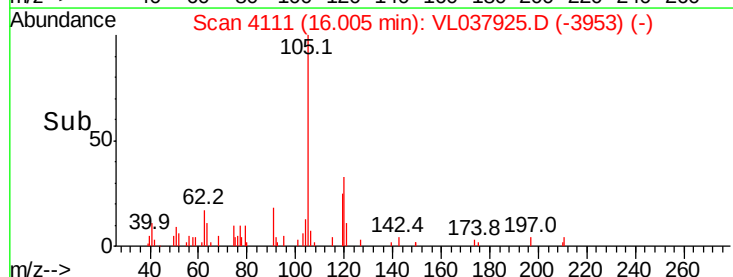
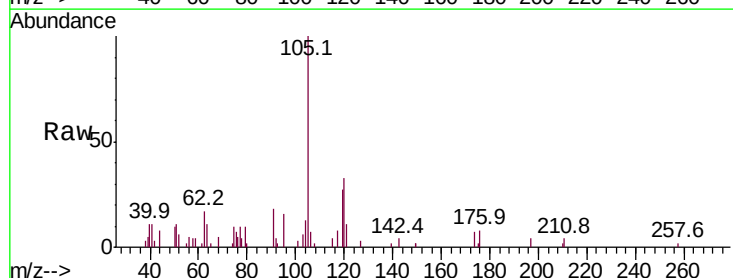
RT: 16.00 min Scan# 4111

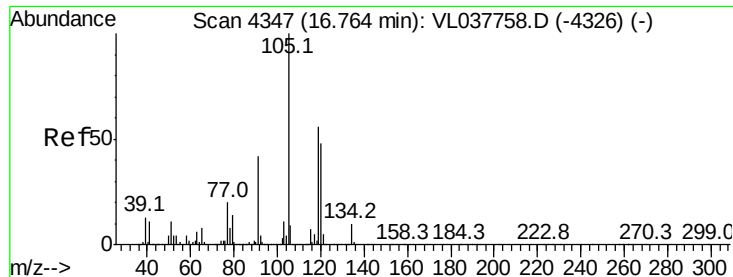
Delta R.T. 0.01 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		19054		
120	33.1	36.6	54.8#		



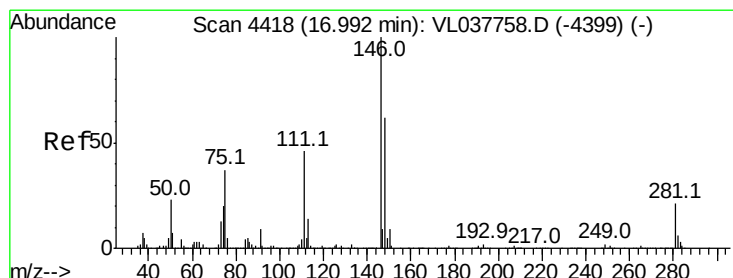
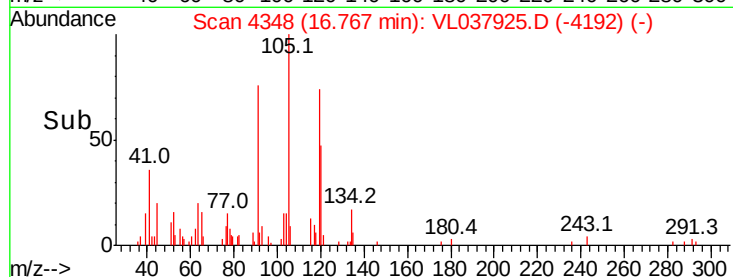
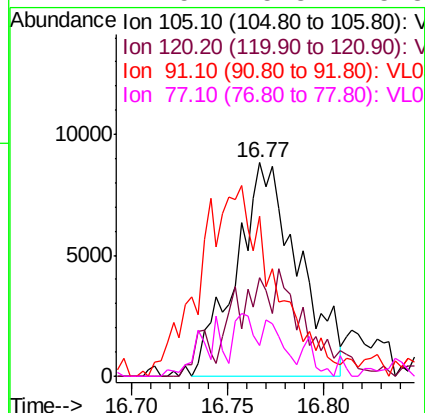
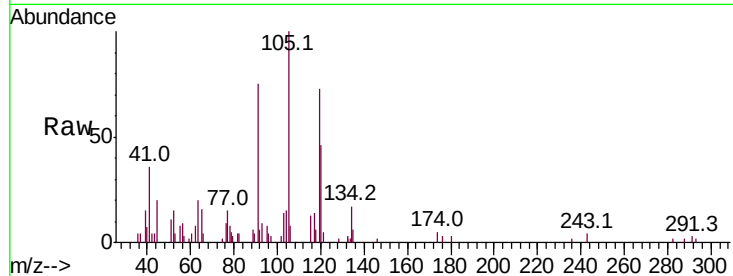


#74
 1,2,4-Trimethylbenzene
 Concen: 0.051 ppbv m
 RT: 16.77 min
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: LOD-MDL-AIR-01-QT4-2021
 Acq: 27 Oct 2021 20:52

Tot Ion: 1
 Ion Ratio
 105 100
 120 46.
 91 74.
 77 14.5 15.8 23.8#

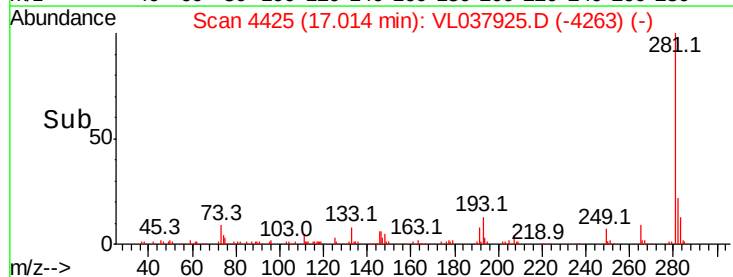
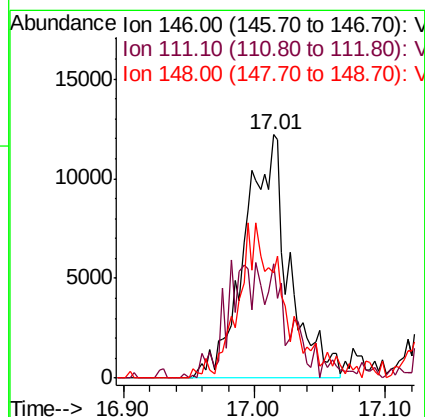
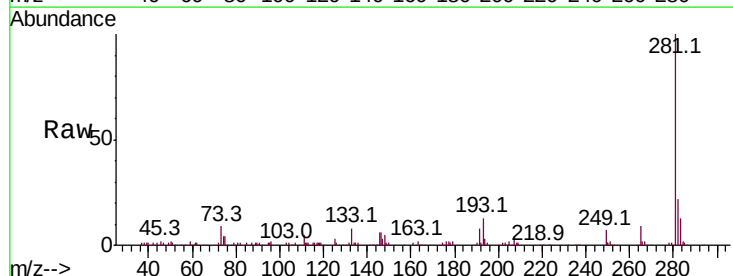
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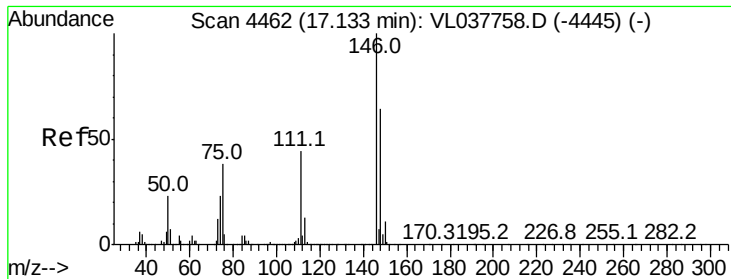
APPROVED
 Reviewed By : Semsettin Yesilyurt 10/28/2021
 Supervised By : Mahesh Dadoda 10/29/2021



#75
 1,3-Dichlorobenzene
 Concen: 0.117 ppbv m
 RT: 17.01 min Scan# 4425
 Delta R.T.: 0.02 min
 Lab File: VL037925.D
 Acq: 27 Oct 2021 20:52

Tgt Ion: 146 Resp: 28511
 Ion Ratio Lower Upper
 146 100
 111 59.2 22.8 68.4
 148 65.9 32.8 98.3



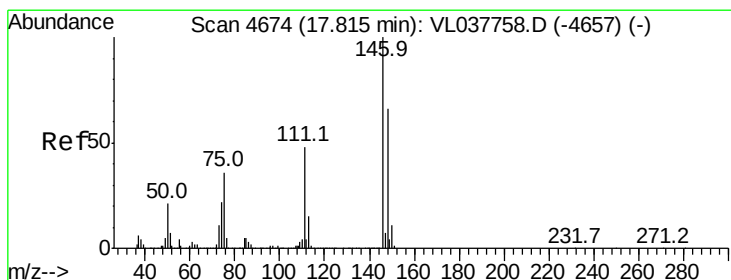
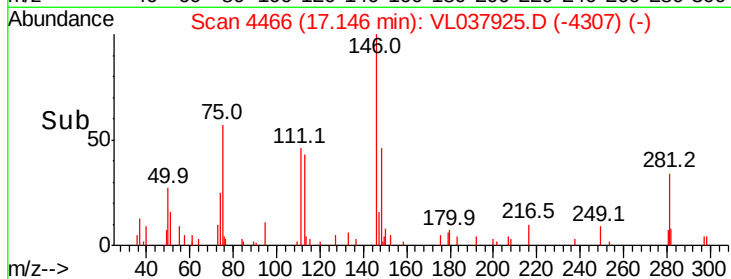
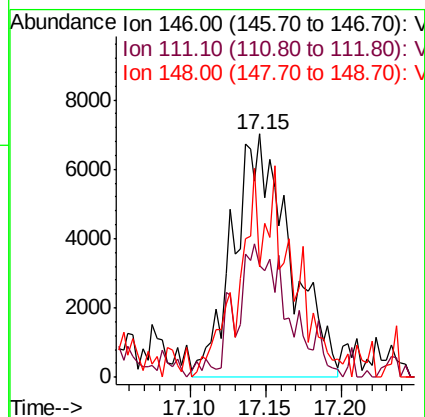
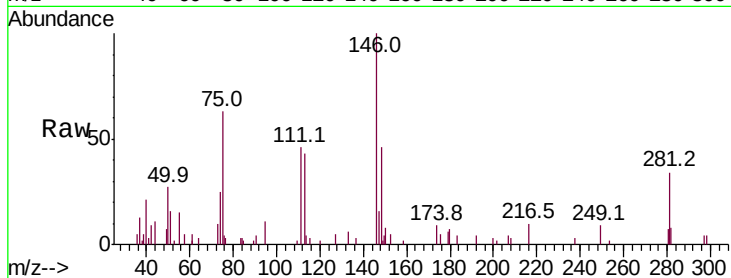


#76
 1,4-Dichlorobenzene
 Concen: 0.079 ppbv m
 RT: 17.15
 Instrument: MSVOA_1
 Delta R.T.
 Lab File: ClientSampleId:
 Acq: 27 Oct 2021 20:52

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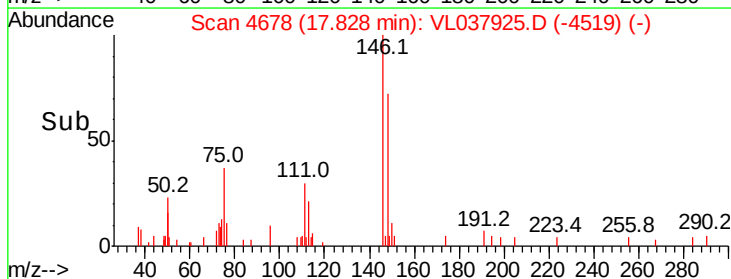
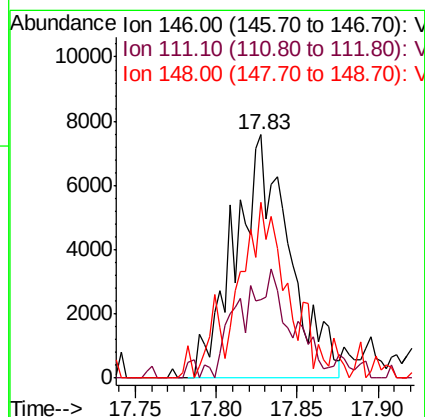
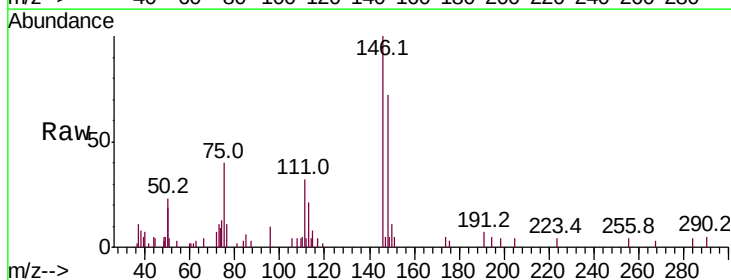
Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021

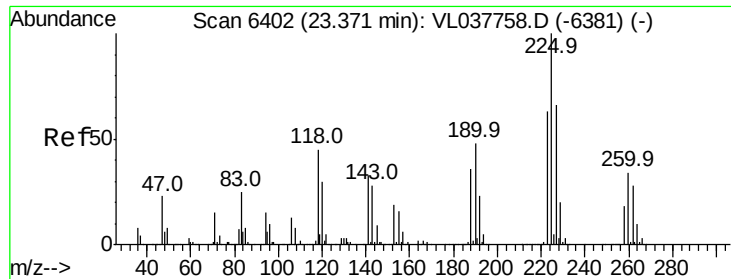
Tot Ion:1
 Ion Rati
 146 100
 111 52.
 148 0.



#77
 1,2-Dichlorobenzene
 Concen: 0.075 ppbv m
 RT: 17.83 min Scan# 4678
 Delta R.T. 0.01 min
 Lab File: VL037925.D
 Acq: 27 Oct 2021 20:52

Tgt Ion:146 Resp: 17659
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.6 70.8#
 148 72.1 32.9 98.6





#78

Hexachloro-1,3-Butadiene

Concen: 0.110 ppbv m

RT: 23.37

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 20:52

Tot Ion:2

Ion Ratio

225 100

223 0.

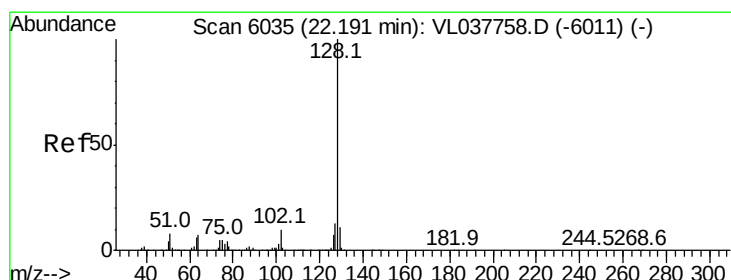
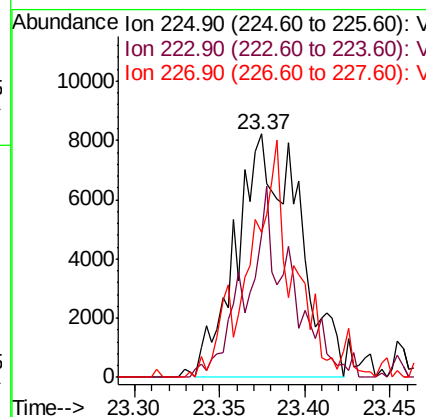
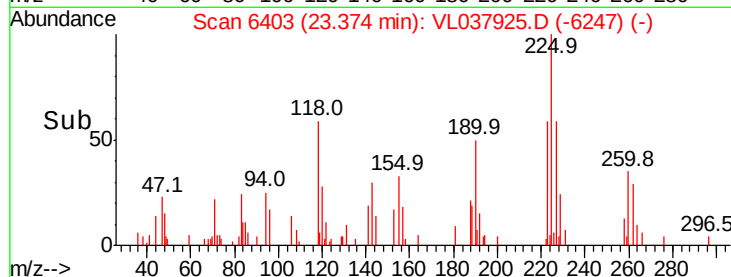
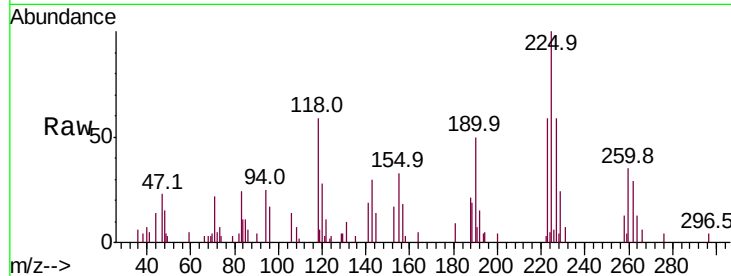
227 71.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#79

Naphthalene

Concen: 0.030 ppbv m

RT: 22.22 min Scan# 6044

Delta R.T. 0.03 min

Lab File: VL037925.D

Acq: 27 Oct 2021 20:52

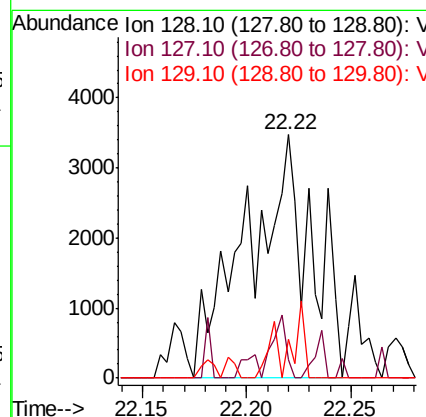
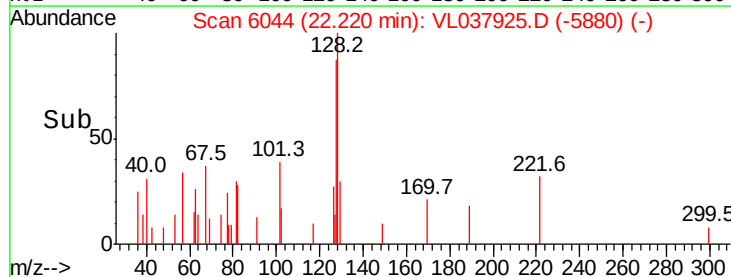
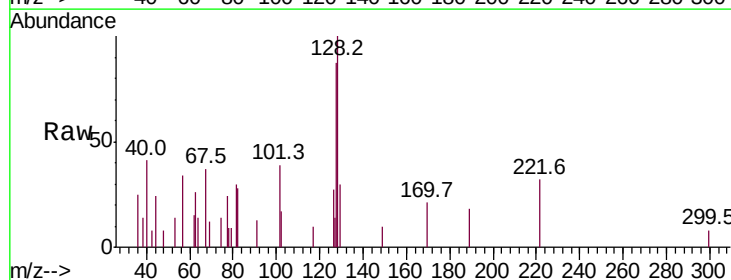
Tgt Ion:128 Resp: 7361

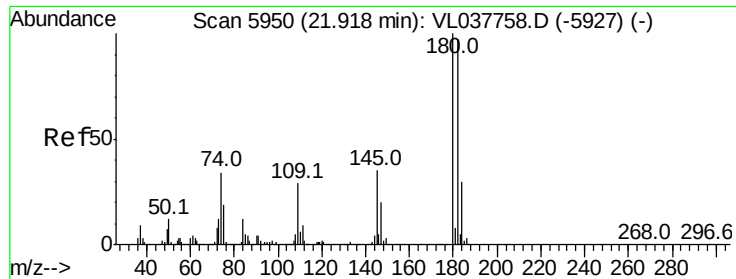
Ion Ratio Lower Upper

128 100

127 86.8 10.1 15.1#

129 30.1 9.1 13.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.049 ppbv m
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Oct 2021 20:52
 LOD-MDL-AIR-01-QT4-2021

Tot Ion:1
 Ion Rati
 180 100
 182 0.
 184 0.

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021

