

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102521\
 Data File : VL037902.D
 Acq On : 25 Oct 2021 20:32
 Operator : SY/AP
 Sample : M4068-15 0.40
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Oct 27 12:10:56 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	1437234	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	4259647	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3591190	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.43 95 2551380 10.16 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.07	85	99587	0.434	ppbv	89
3) Chlorodifluoromethane	3.01	51	119215	0.432	ppbv	97
4) Chloromethane	3.16	50	41900	0.414	ppbv	94
5) Vinyl Chloride	3.27	62	38707	0.417	ppbv	90
6) Bromomethane	3.49	94	20848	0.416	ppbv	94
7) Chloroethane	3.57	64	15061m	0.442	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	95536	0.421	ppbv	93
9) Propene	3.03	41	40571m	0.399	ppbv	
10) Heptane	8.14	43	67765m	0.294	ppbv	
11) Trichlorofluoromethane	3.96	101	86643	0.423	ppbv #	81
12) 1,1,2-Trichlorotrifluoroet	4.50	101	64519m	0.416	ppbv	
13) Ethanol	3.65	45	3519m	0.423	ppbv	
14) Bromoethene	3.76	108	28894m	0.423	ppbv	
15) Acetone	3.89	43	58578m	0.454	ppbv	
16) 1,3-Butadiene	3.34	39	40305m	0.429	ppbv	
17) tert-Butyl alcohol	4.33	59	49167m	0.370	ppbv	
18) 1,1-Dichloroethene	4.31	96	27388	0.388	ppbv	93
19) Isopropyl Alcohol	4.02	45	31981m	0.398	ppbv	
20) Methylene Chloride	4.37	84	36309m	0.557	ppbv	
21) Allyl Chloride	4.42	41	40042	0.350	ppbv #	79
22) trans-1,2-Dichloroethene	4.90	96	30580m	0.431	ppbv	
23) Vinyl Acetate	5.11	43	69496m	0.359	ppbv	
24) 1,1-Dichloroethane	5.03	63	65772	0.467	ppbv #	95
25) Ethyl Acetate	5.71	43	122562	0.339	ppbv #	91
26) Hexane	5.70	57	60136m	0.337	ppbv	
27) Carbon Disulfide	4.57	76	49610	0.314	ppbv #	93
28) Methyl tert-Butyl Ether	5.07	73	65968m	0.444	ppbv	
29) Chloroform	5.77	83	100128	0.393	ppbv	96
30) Cyclohexane	7.15	84	51887m	0.343	ppbv	
31) cis-1,2-Dichloroethene	5.57	61	52097	0.322	ppbv	94
32) 1,1,1-Trichloroethane	6.53	97	91468	0.379	ppbv	96
34) 2-Butanone	5.28	43	54737m	0.318	ppbv	
35) Carbon Tetrachloride	7.04	117	88000	0.364	ppbv	97
36) Benzene	6.91	78	115779	0.318	ppbv	96
37) 1,2-Dichloroethane	6.32	62	65620m	0.383	ppbv	
38) Trichloroethene	7.85	130	49237m	0.343	ppbv	
39) 1,2-Dichloropropane	7.64	63	53595m	0.392	ppbv	
40) 1,4-Dioxane	7.90	88	11835m	0.346	ppbv	
41) Tetrahydrofuran	6.09	42	20877m	0.248	ppbv	
42) Bromodichloromethane	7.81	83	89081m	0.354	ppbv	
43) Methyl Methacrylate	8.04	69	32396m	0.273	ppbv	

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

Quant Time: Oct 27 12:10:56 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)
44) 2,2,4-Trimethylpentane	7.88	57	195300m	0.319	ppbv	
45) t-1,3-Dichloropropene	9.30	75	18971m	0.232	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	29458m	0.260	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	53864	0.362	ppbv #	86
48) Dibromochloromethane	10.33	129	65179m	0.307	ppbv	
49) Bromoform	13.06	173	45872m	0.283	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	58948m	0.263	ppbv	
51) 2-Hexanone	10.18	43	22608m	0.226	ppbv	
52) Tetrachloroethene	11.24	164	45061m	0.318	ppbv	
53) Toluene	9.83	91	98847m	0.245	ppbv	
54) 1,2-Dibromoethane	10.63	107	61506m	0.306	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	60053m	0.404	ppbv	
57) Chlorobenzene	12.17	112	129230m	0.439	ppbv	
58) Ethyl Benzene	12.73	91	122237m	0.253	ppbv	
59) m/p-Xylene	13.01	91	245700m	0.594	ppbv	
60) o-Xylene	13.71	91	113428	0.286	ppbv	96
61) Styrene	13.54	104	35148	0.183	ppbv	91
62) Isopropylbenzene	14.69	105	181694	0.328	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	126737m	0.414	ppbv	
64) n-propylbenzene	15.58	120	44333m	0.321	ppbv	
65) tert-Butylbenzene	16.77	119	158995	0.327	ppbv	98
66) Benzyl Chloride	17.00	91	8178m	0.340	ppbv	
67) sec-Butylbenzene	17.31	105	203045	0.305	ppbv	98
69) p-Isopropyltoluene	17.67	119	152178m	0.283	ppbv	
70) n-Butylbenzene	18.57	91	139860m	0.273	ppbv	
71) 2-Chlorotoluene	15.47	91	112559	0.288	ppbv	98
72) 4-Ethyltoluene	15.86	105	119690	0.266	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.01	105	119768m	0.293	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	150436m	0.350	ppbv	
75) 1,3-Dichlorobenzene	17.02	146	106470m	0.400	ppbv	
76) 1,4-Dichlorobenzene	17.16	146	87277m	0.344	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	93666m	0.366	ppbv	
78) Hexachloro-1,3-Butadiene	23.38	225	86064m	0.412	ppbv	
79) Naphthalene	22.22	128	45783m	0.174	ppbv	
80) Naphthalene,2-methyl-	25.03	142	6461m	0.091	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	44750m	0.266	ppbv	

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

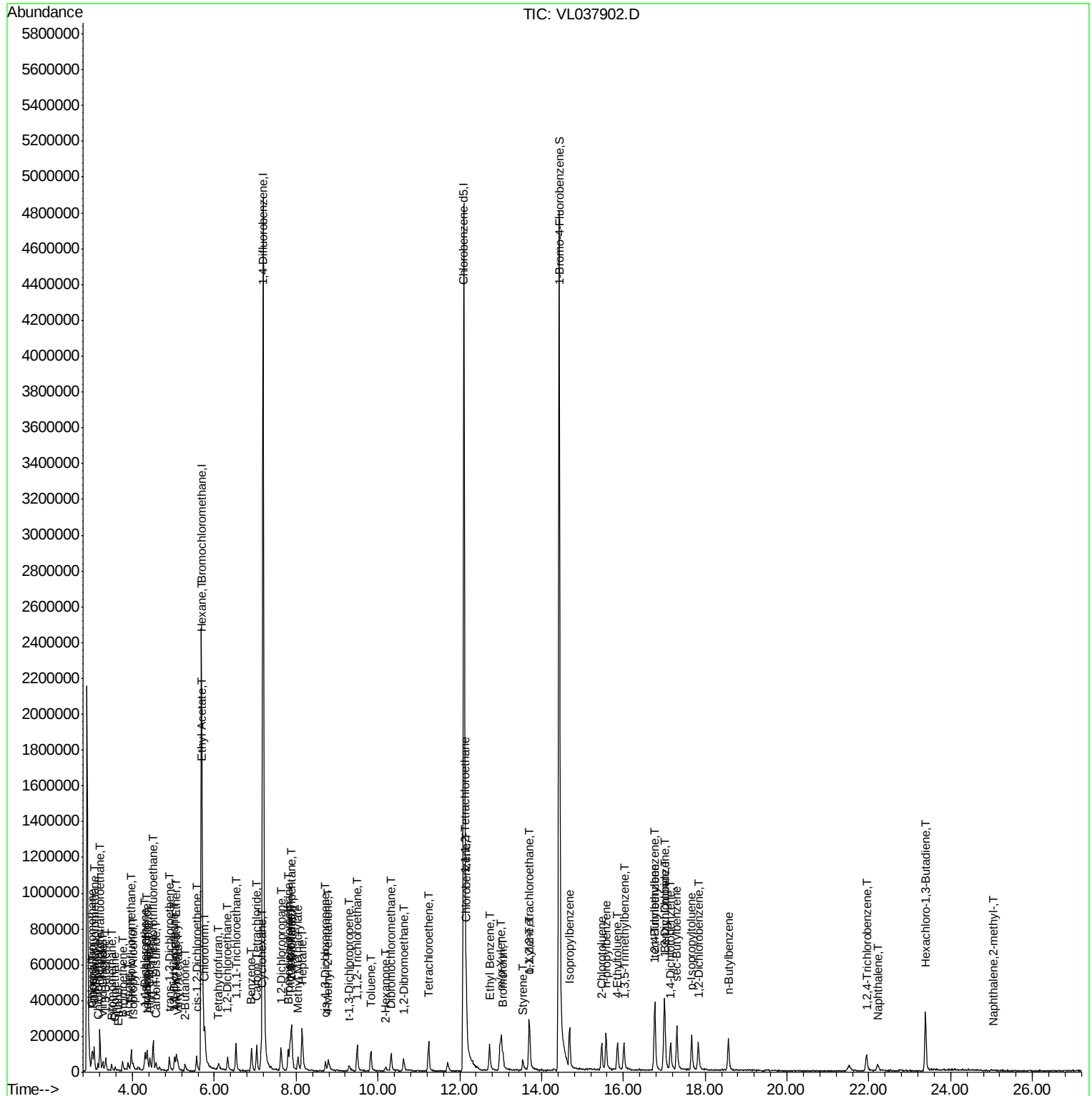
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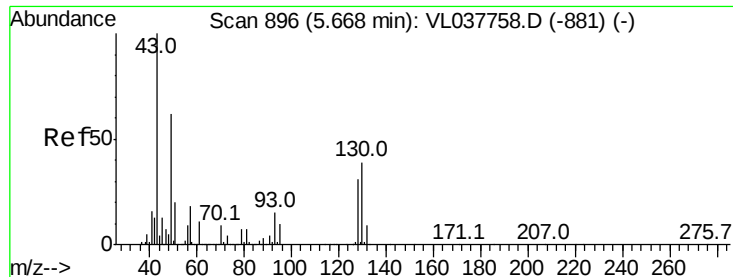
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Quant Time: Oct 27 12:10:56 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

49 100

128 54.

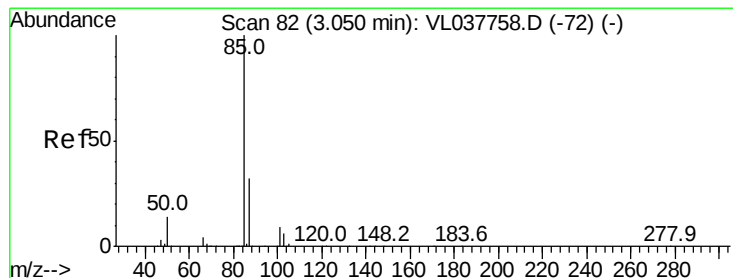
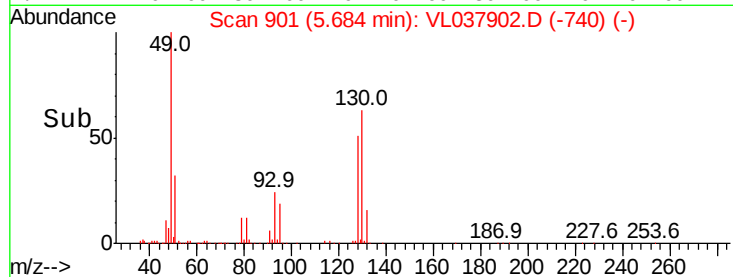
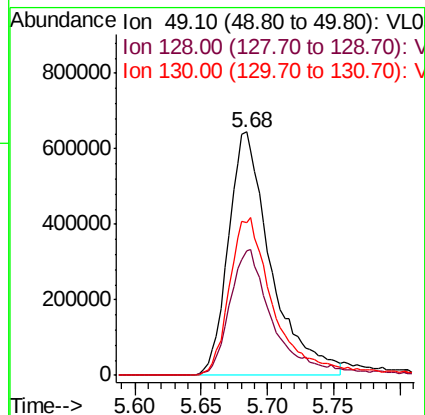
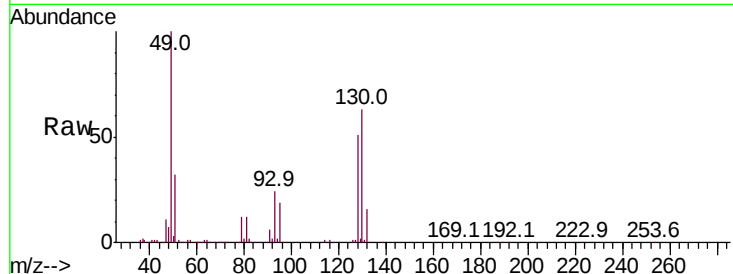
130 70.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#2

Dichlorodifluoromethane

Concen: 0.434 ppbv

RT: 3.07 min Scan# 87

Delta R.T. 0.02 min

Lab File: VL037902.D

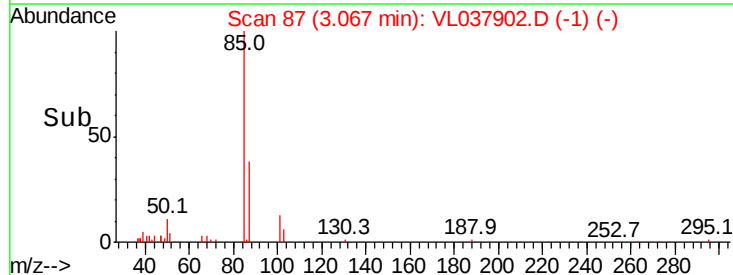
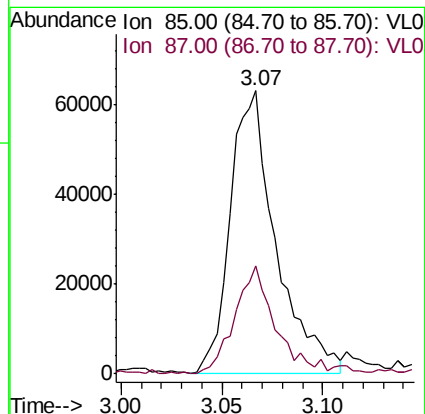
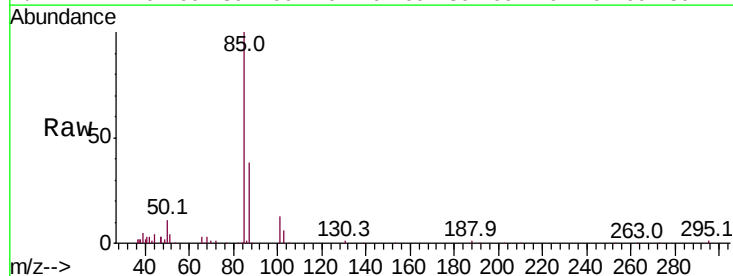
Acq: 25 Oct 2021 20:32

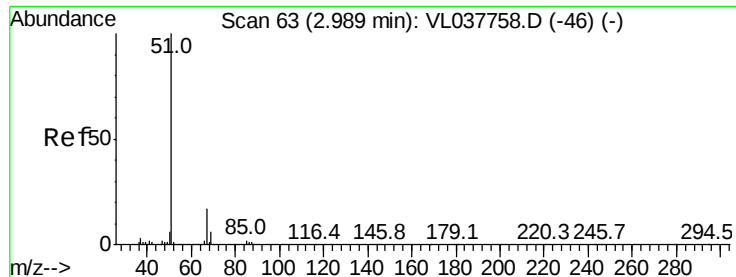
Tgt Ion: 85 Resp: 99587

Ion Ratio Lower Upper

85 100

87 38.0 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.432 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

51 100

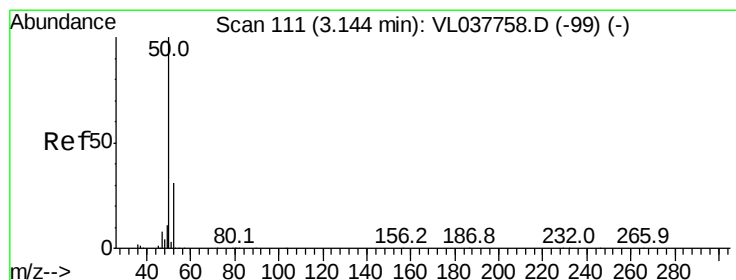
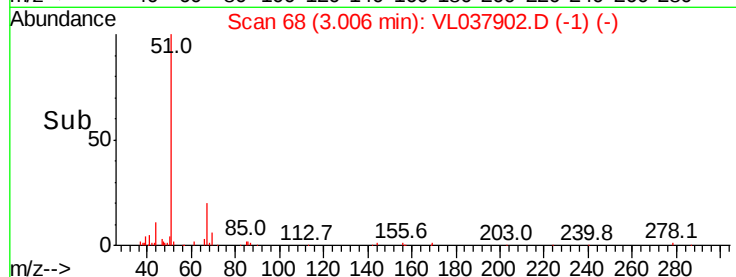
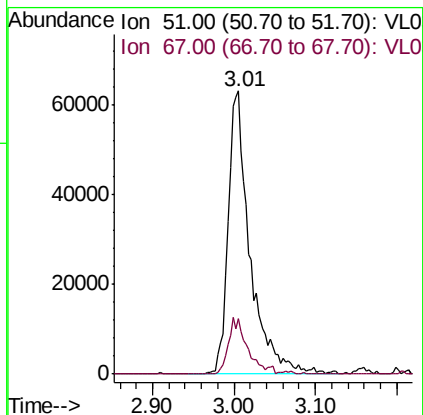
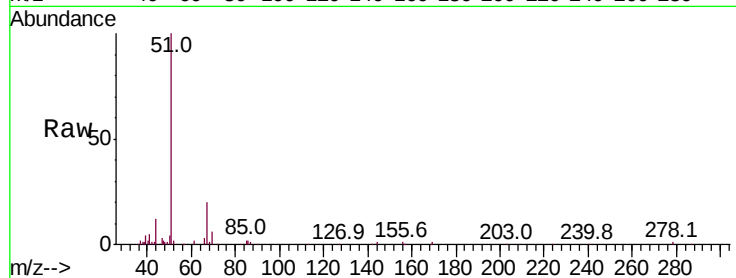
67 18.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#4

Chloromethane

Concen: 0.414 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL037902.D

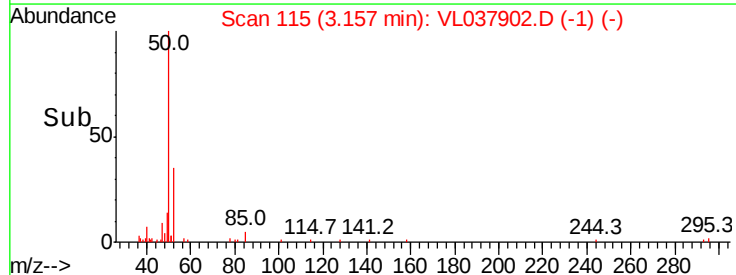
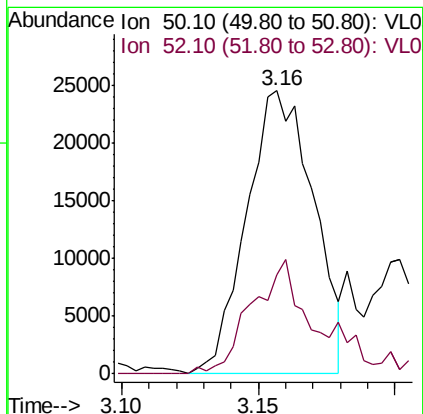
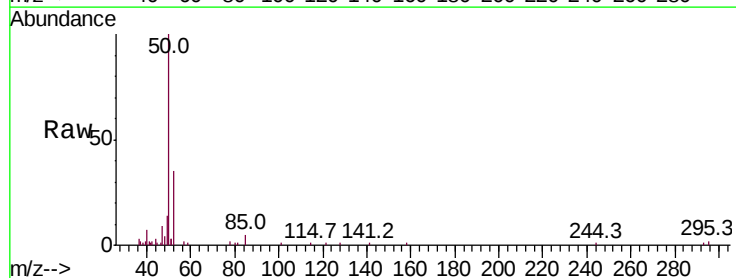
Acq: 25 Oct 2021 20:32

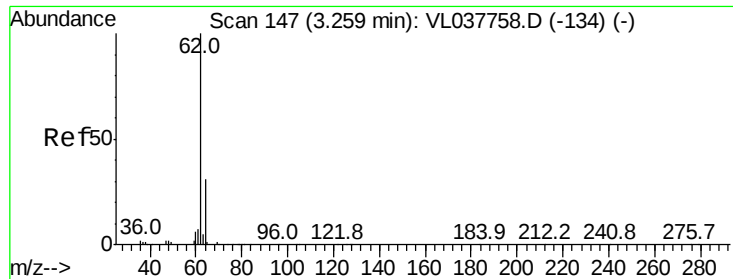
Tgt Ion: 50 Resp: 41900

Ion Ratio Lower Upper

50 100

52 34.0 24.4 36.6





#5

Vinyl Chloride

Concen: 0.417 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

62 100

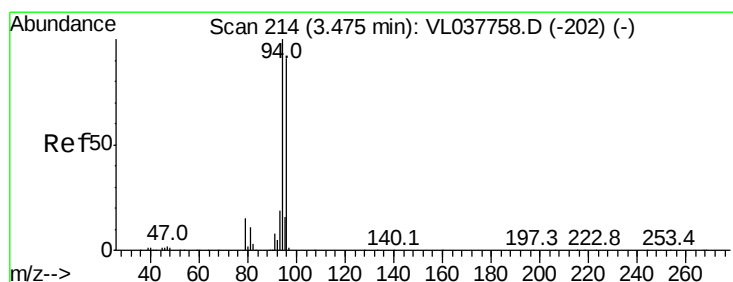
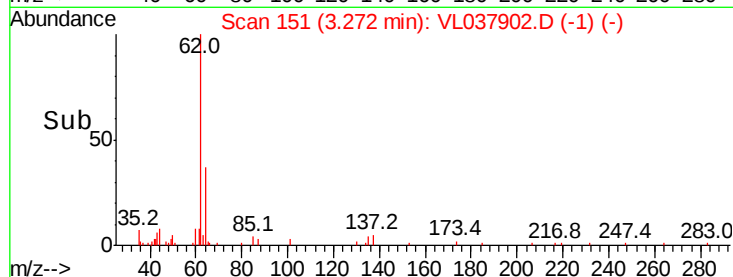
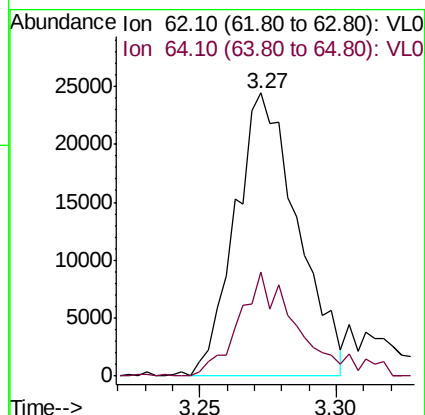
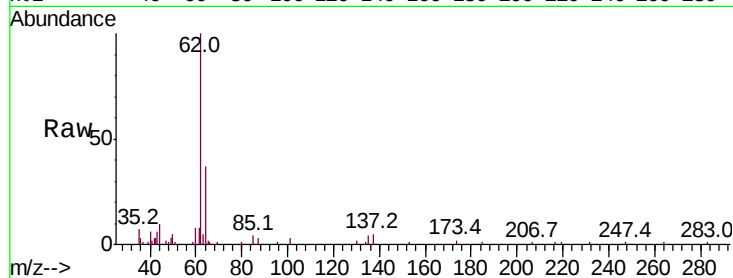
64 36.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#6

Bromomethane

Concen: 0.416 ppbv

RT: 3.49 min Scan# 219

Delta R.T. 0.02 min

Lab File: VL037902.D

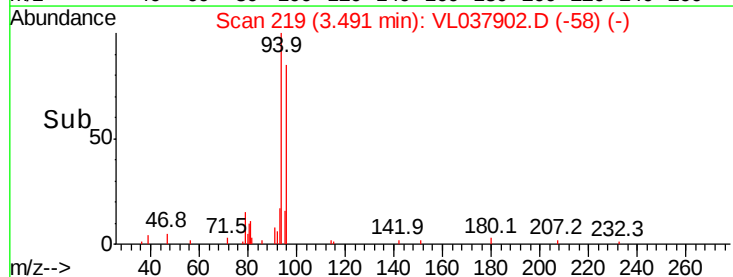
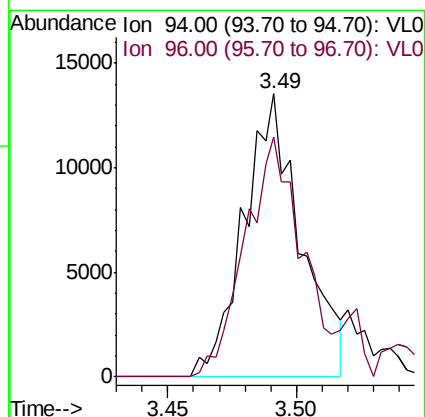
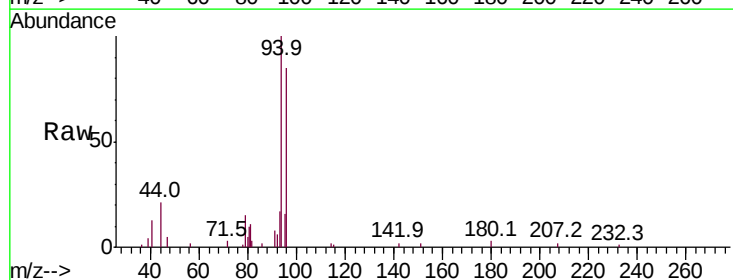
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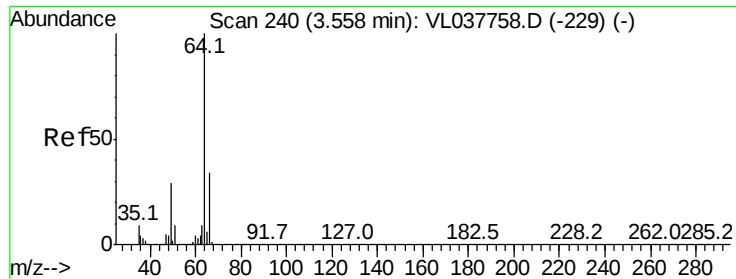
Tgt Ion: 94 Resp: 20848

Ion Ratio Lower Upper

94 100

96 84.7 72.5 108.7





#7

Chloroethane

Concen: 0.442 ppbv m

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

64 100

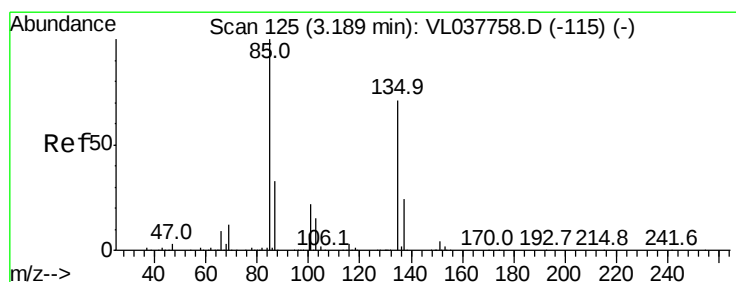
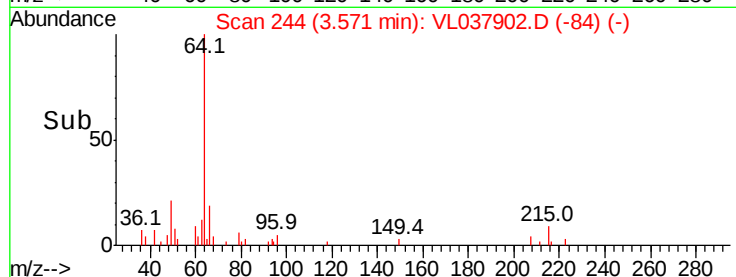
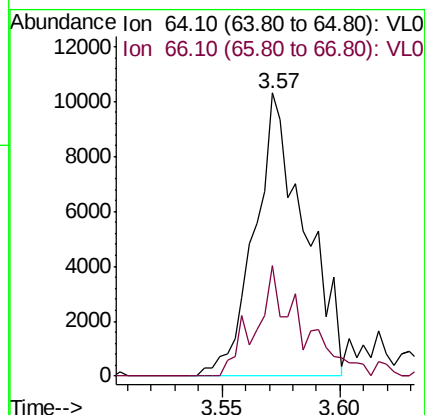
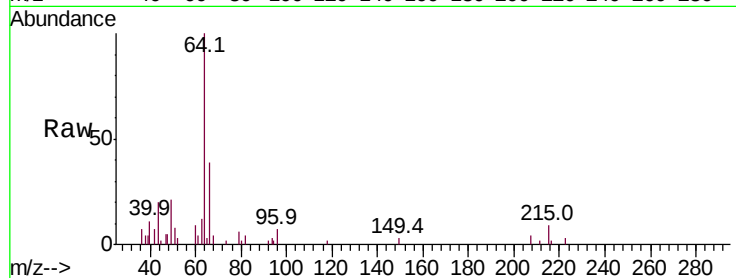
66 39.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#8

Dichlorotetrafluoroethane

Concen: 0.421 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.02 min

Lab File: VL037902.D

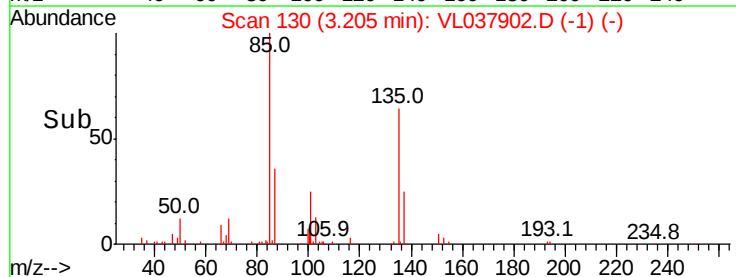
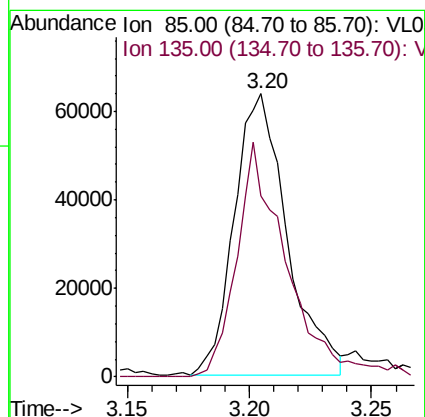
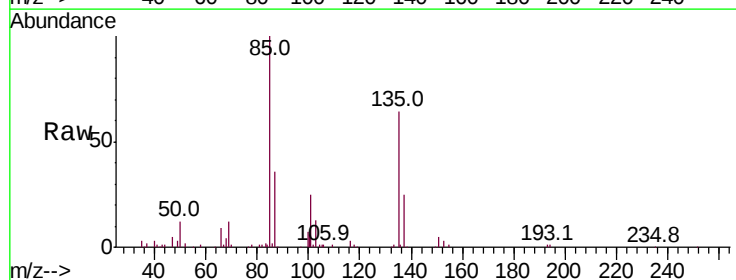
Acq: 25 Oct 2021 20:32

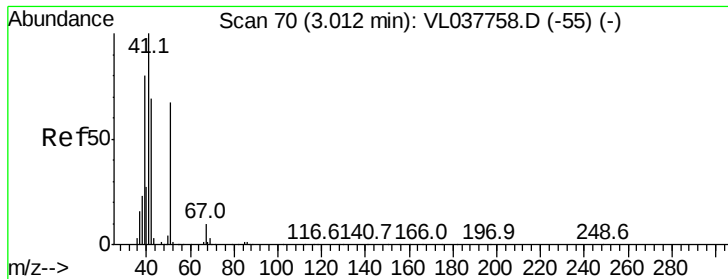
Tgt Ion: 85 Resp: 95536

Ion Ratio Lower Upper

85 100

135 80.5 59.5 89.3





#9

Propene

Concen: 0.399 ppbv m

RT: 3.03

Delta R.T.

Lab File:

Acq: 25 Oct 2021

Instrument:

MSVOA_1

ClientSampleId:

MDL-AIR-03-QT4-2021

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

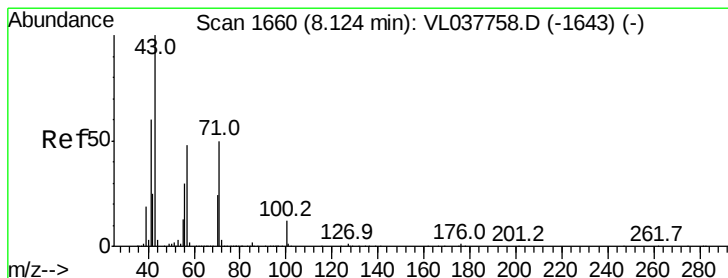
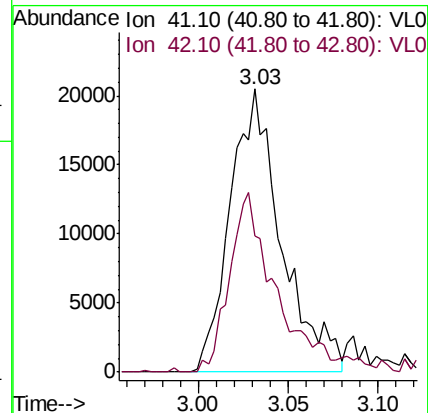
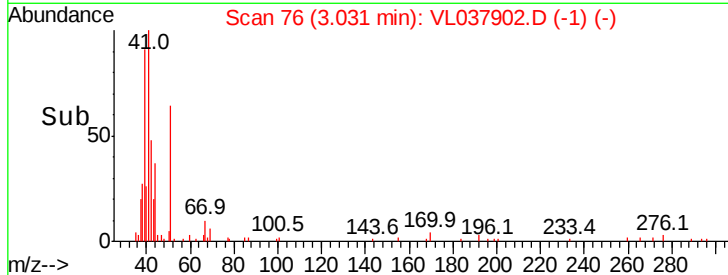
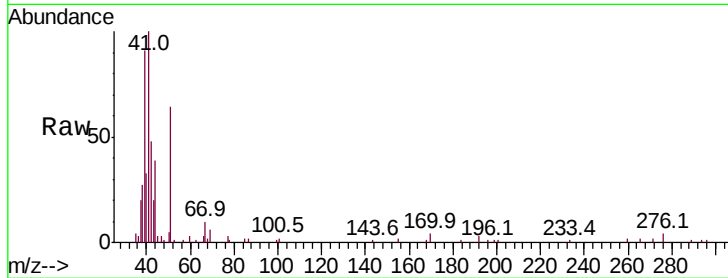
Supervised By :Mahesh Dadoda 10/27/2021

Tot Ion:

Ion Ratio

41 100

42 0.



#10

Heptane

Concen: 0.294 ppbv m

RT: 8.14 min Scan# 1666

Delta R.T. 0.02 min

Lab File: VL037902.D

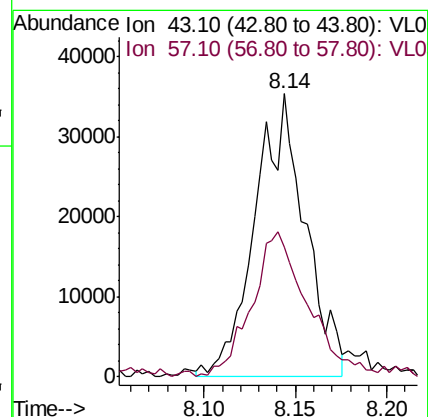
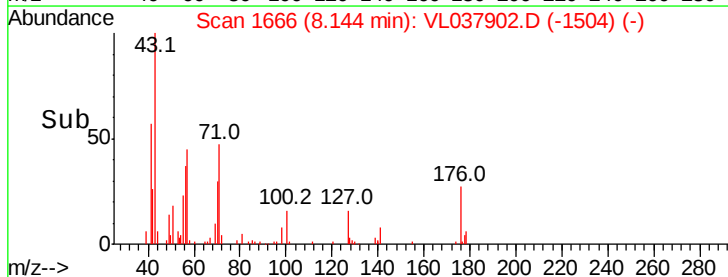
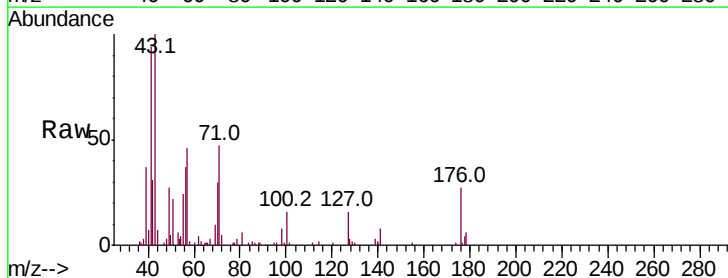
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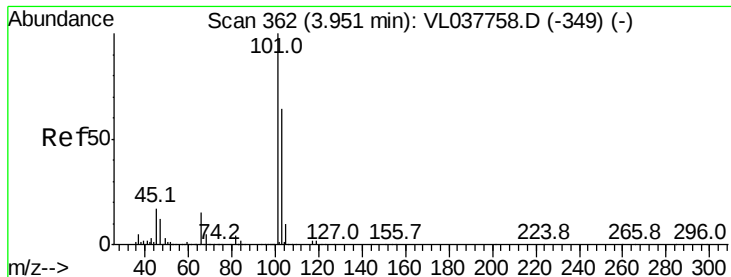
Tgt Ion: 43 Resp: 67765

Ion Ratio Lower Upper

43 100

57 59.3 40.0 60.0



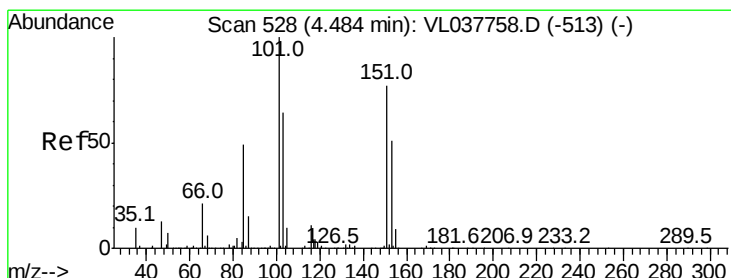
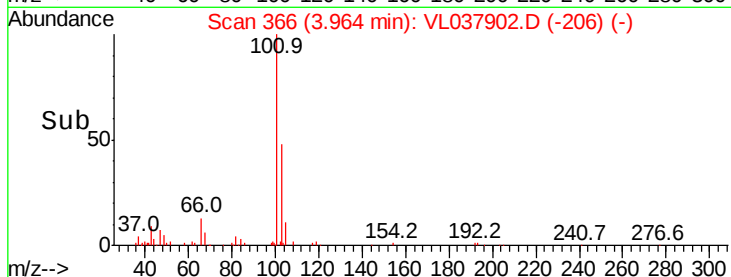
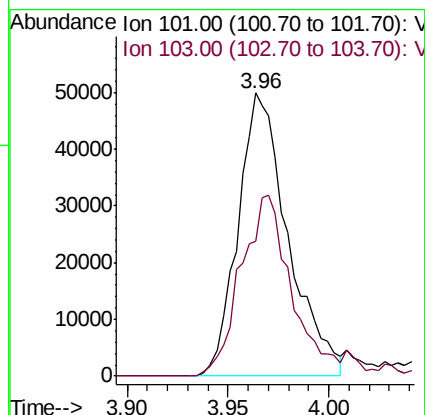
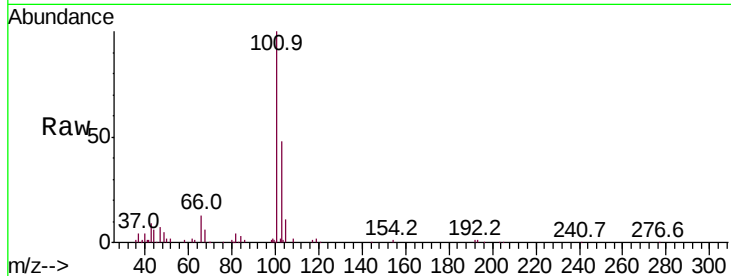


#11
 Trichlorofluoromethane
 Concen: 0.423 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 20:32

Tot Ion:1
 Ion Rati
 101 100
 103 49.

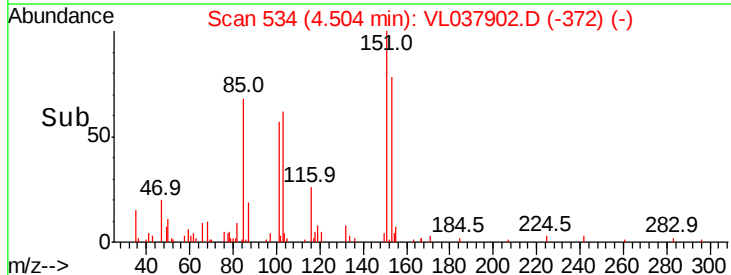
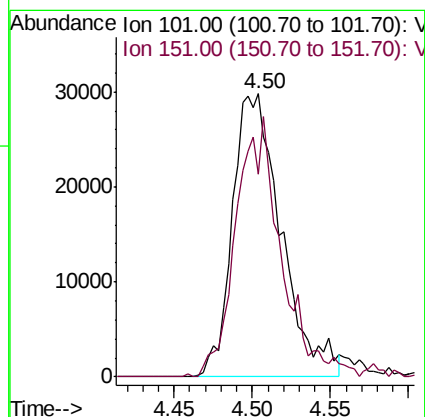
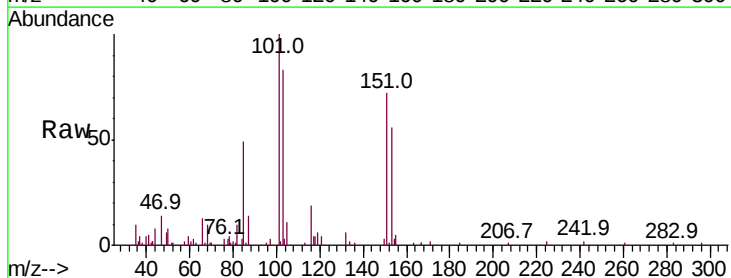
Manual Integrations
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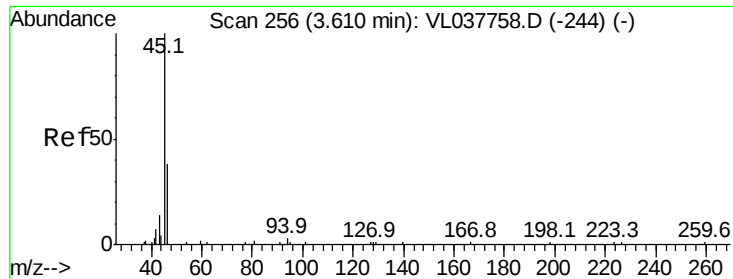
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.416 ppbv m
 RT: 4.50 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VL037902.D
 Acq: 25 Oct 2021 20:32

Tgt Ion:101 Resp: 64519
 Ion Ratio Lower Upper
 101 100
 151 0.0 62.9 94.3#





#13

Ethanol

Concen: 0.423 ppbv m

RT: 3.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

45 100

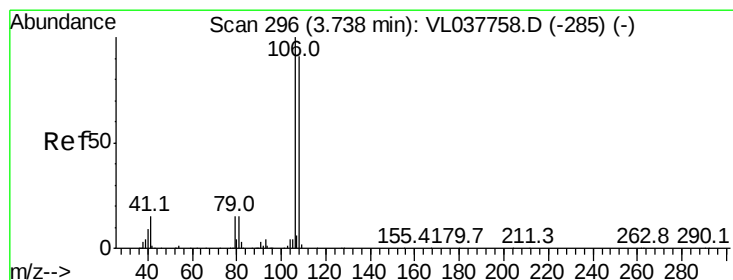
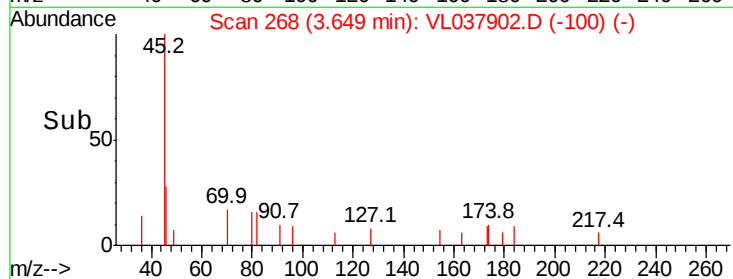
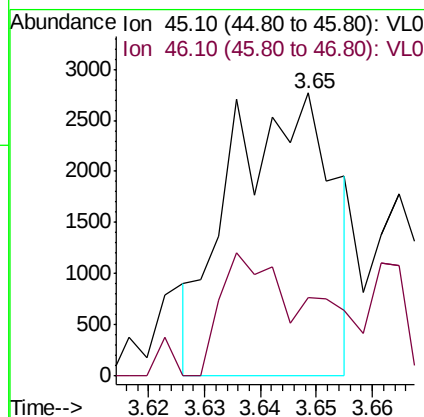
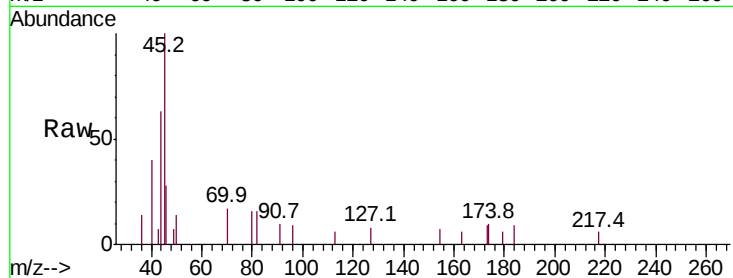
46 67.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#14

Bromoethene

Concen: 0.423 ppbv m

RT: 3.76 min Scan# 302

Delta R.T. 0.02 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

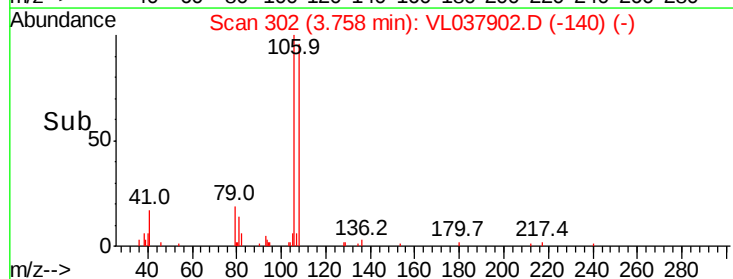
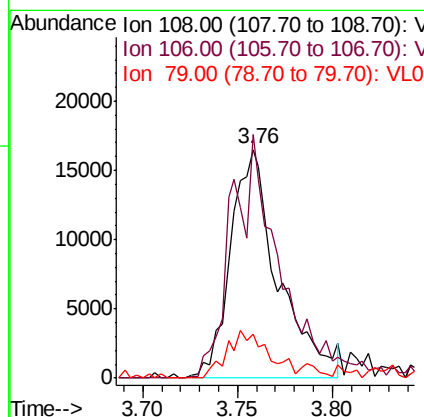
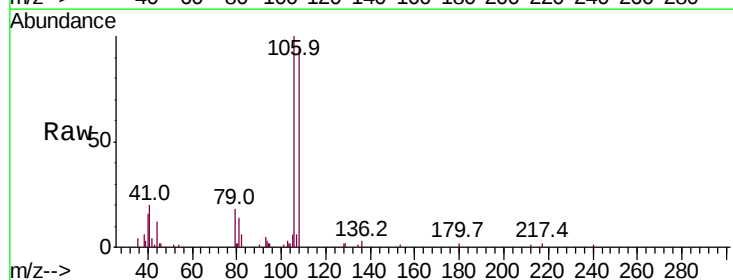
Tgt Ion:108 Resp: 28894

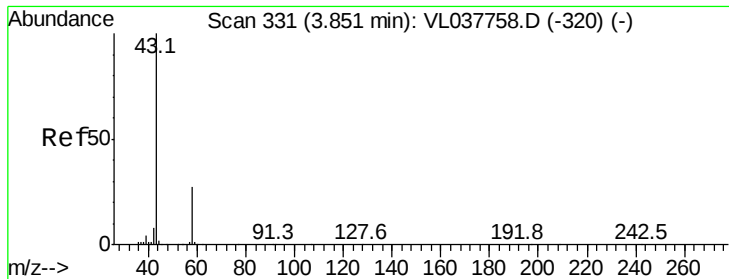
Ion Ratio Lower Upper

108 100

106 112.5 91.9 137.9

79 21.9 13.9 20.9#



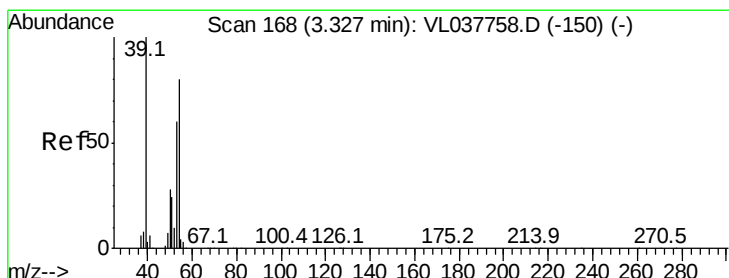
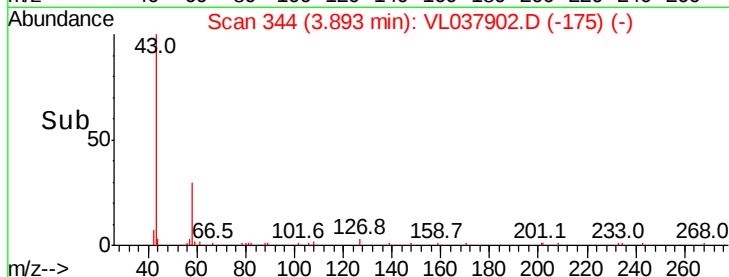
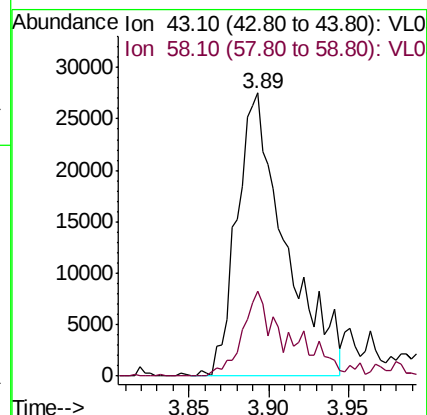
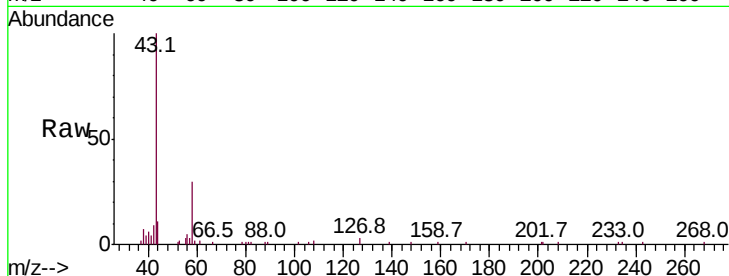


#15
Acetone
Concen: 0.454 ppbv m
RT: 3.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 20:32 MDL-AIR-03-OT4-2021

Tot Ion:
Ion Ratio
43 100
58 28.

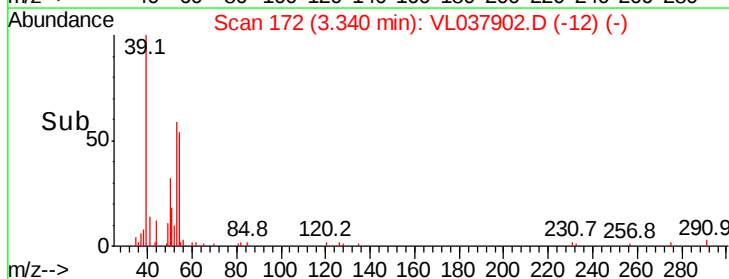
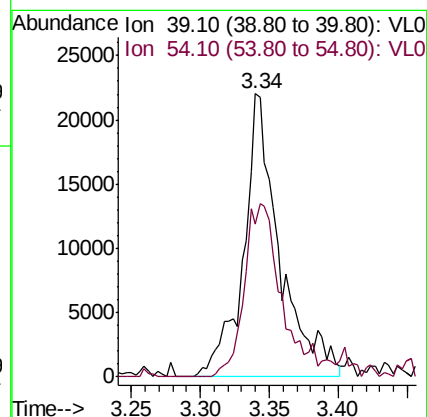
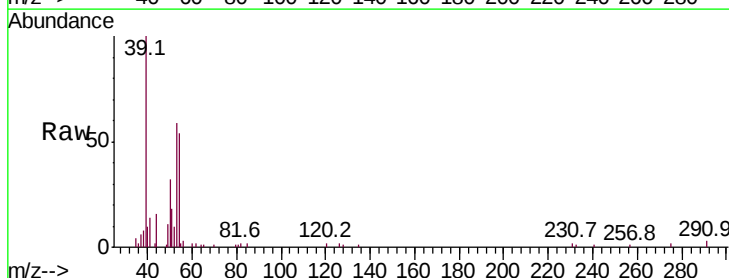
Manual Integrations
APPROVED

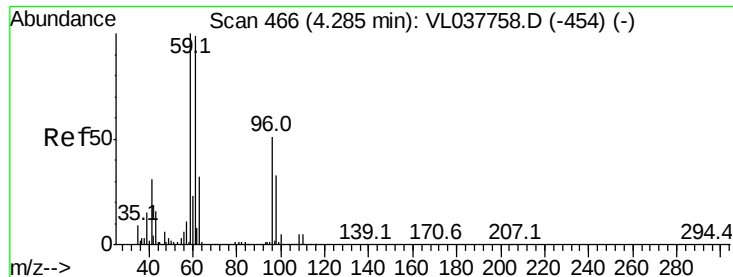
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#16
1,3-Butadiene
Concen: 0.429 ppbv m
RT: 3.34 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 39 Resp: 40305
Ion Ratio Lower Upper
39 100
54 61.5 61.7 92.5#





#17

tert-Butyl alcohol

Concen: 0.370 ppbv m

RT: 4.33 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

59 100

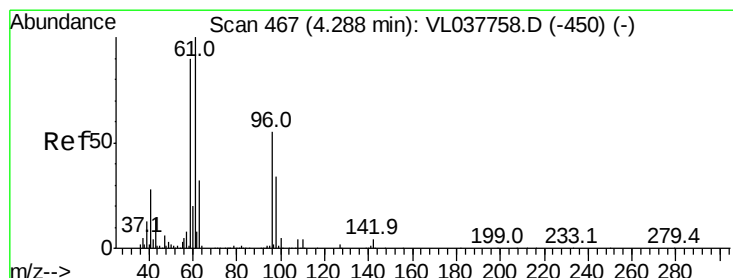
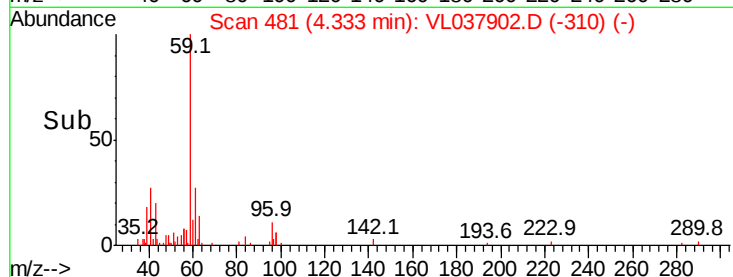
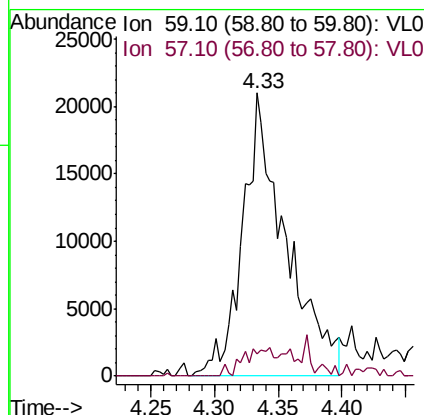
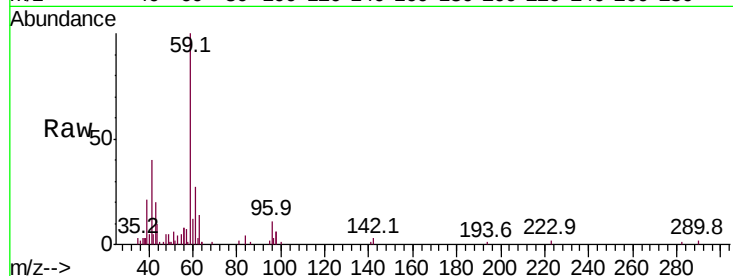
57 0.

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#18

1,1-Dichloroethene

Concen: 0.388 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.02 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

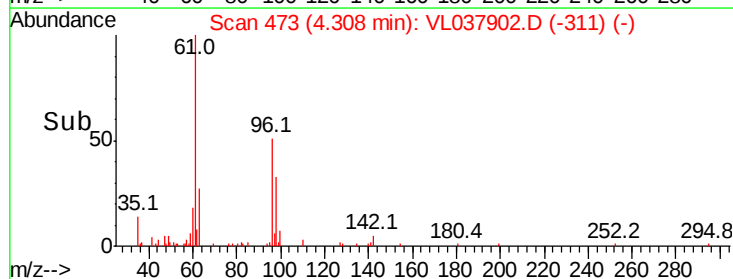
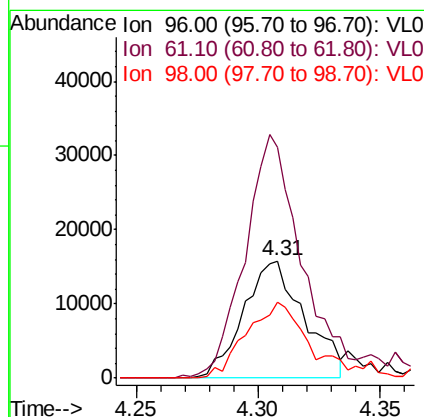
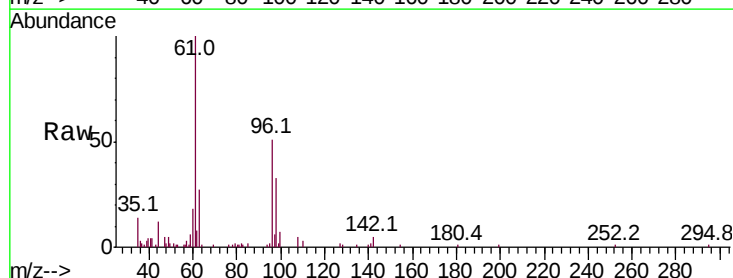
Tgt Ion: 96 Resp: 27388

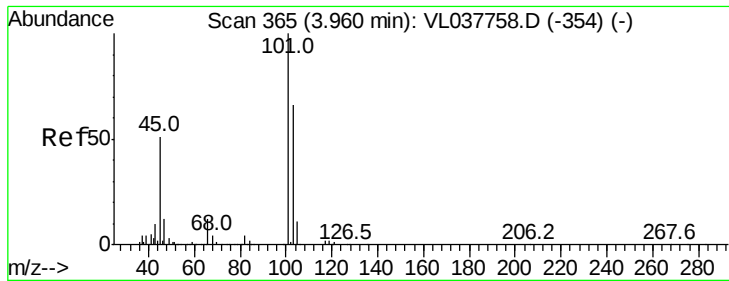
Ion Ratio Lower Upper

96 100

61 195.2 146.2 219.4

98 65.2 50.0 75.0





#19

Isopropyl Alcohol

Concen: 0.398 ppbv m

RT: 4.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

45 100

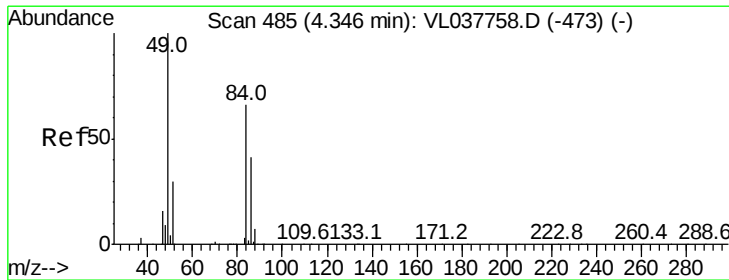
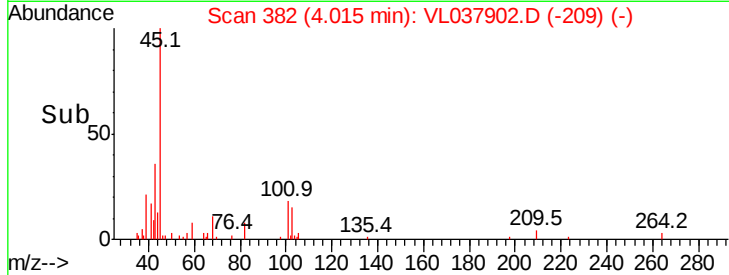
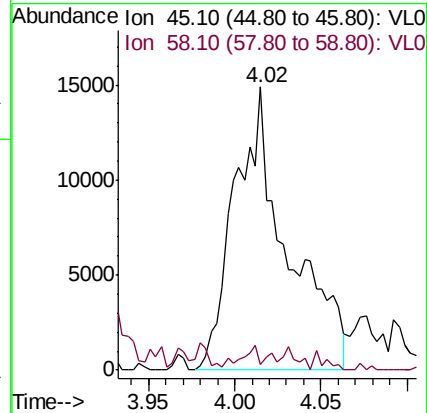
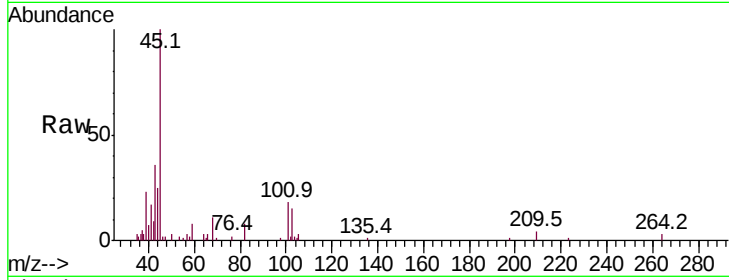
58 4.

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#20

Methylene Chloride

Concen: 0.557 ppbv m

RT: 4.37 min Scan# 491

Delta R.T. 0.02 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

Tgt Ion: 84 Resp: 36309

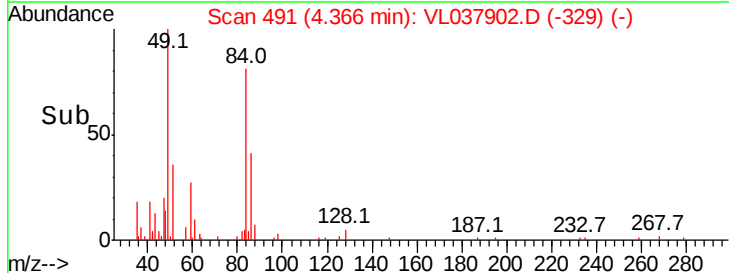
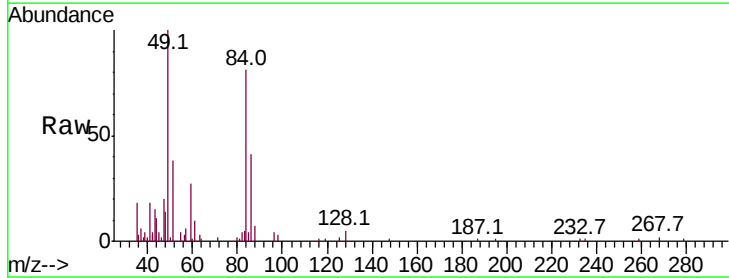
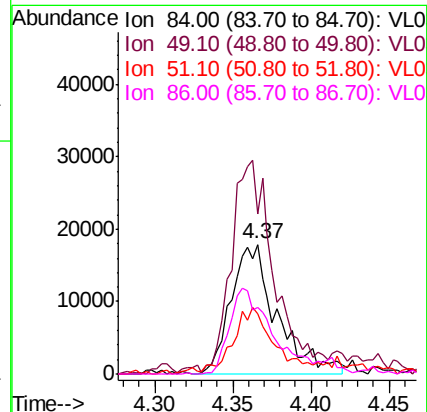
Ion Ratio Lower Upper

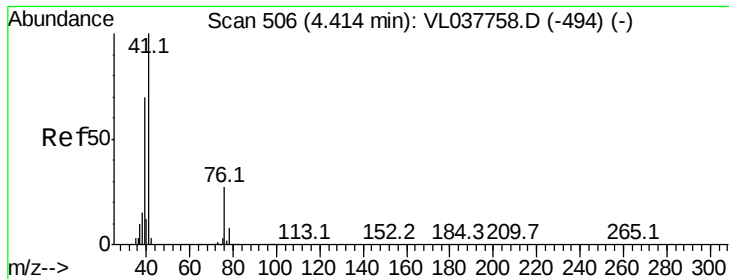
84 100

49 123.9 120.7 181.1

51 46.8 36.2 54.4

86 51.3 49.6 74.4



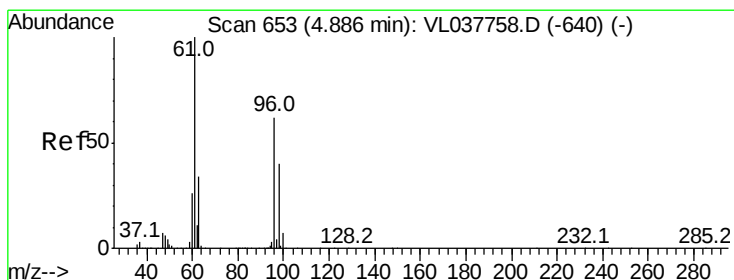
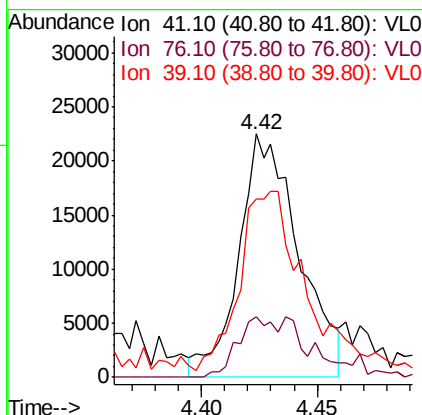
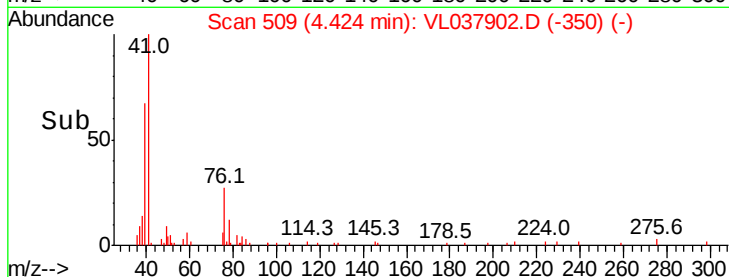
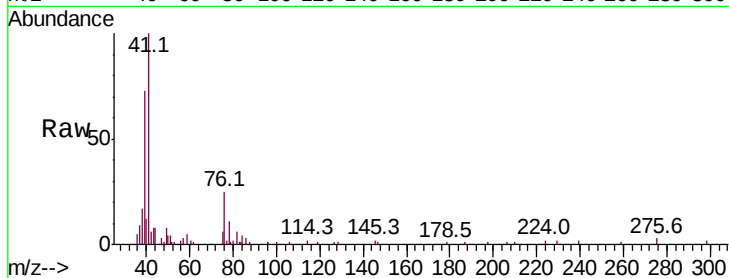


#21
Allvl Chloride
Concen: 0.350 ppbv
RT: 4.42
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Ratio
41 100
76 30.
39 95.

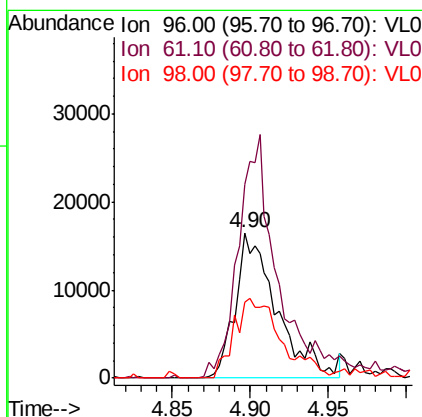
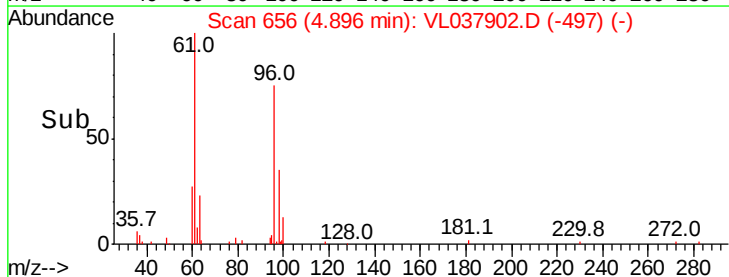
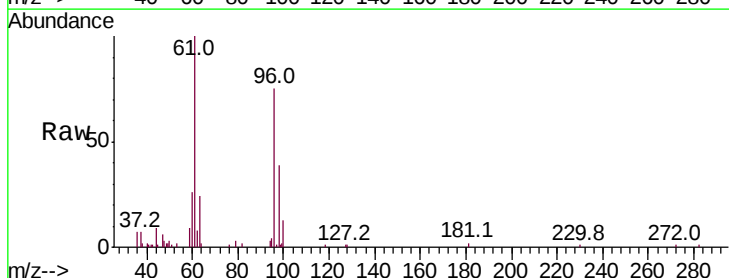
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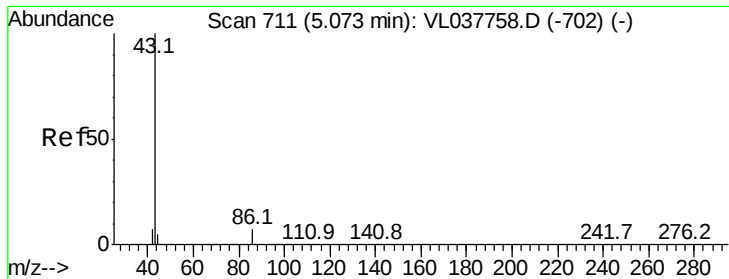
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#22
trans-1,2-Dichloroethene
Concen: 0.431 ppbv m
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 96 Resp: 30580
Ion Ratio Lower Upper
96 100
61 133.6 129.0 193.6
98 52.8 51.7 77.5





#23

Vinyl Acetate

Concen: 0.359 ppbv m

RT: 5.11 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

43 100

86 7.

42 10.

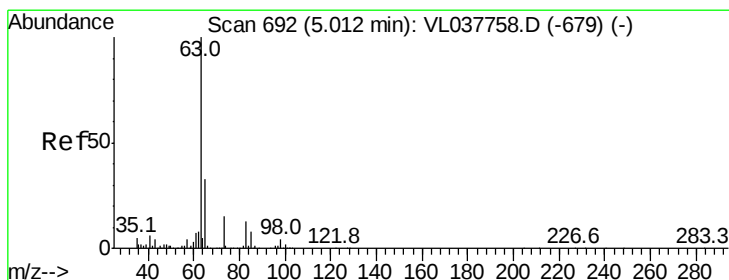
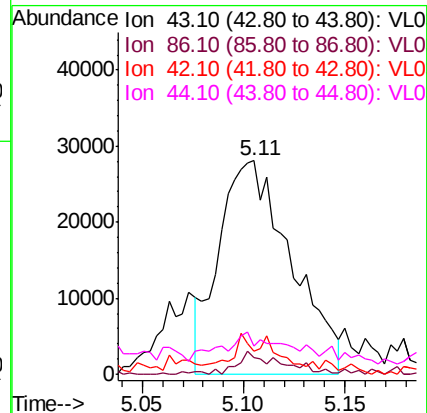
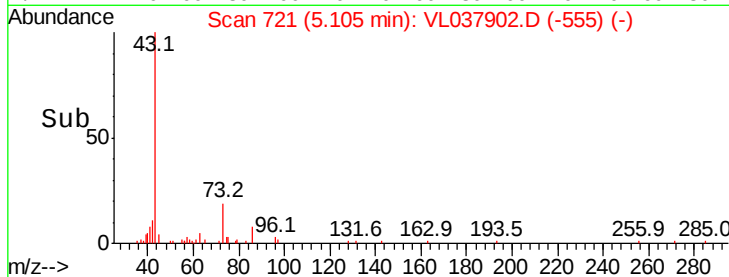
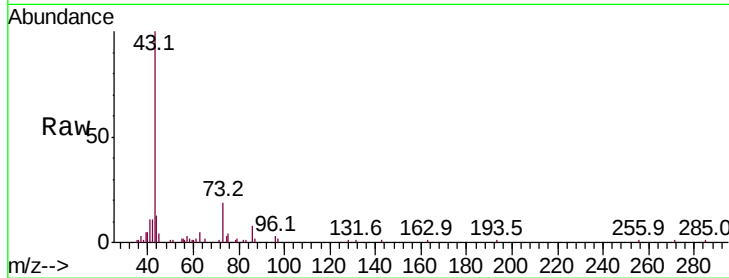
44 13.1

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#24

1,1-Dichloroethane

Concen: 0.467 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.02 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

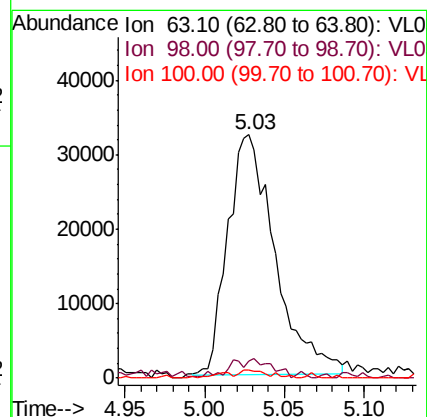
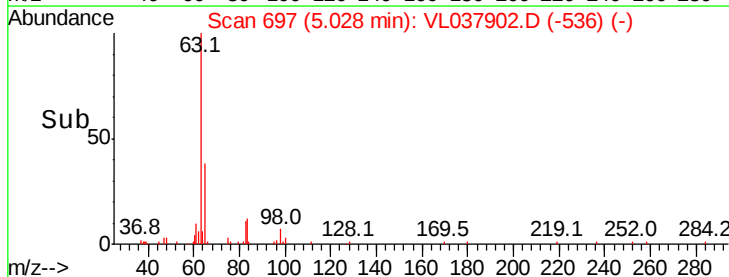
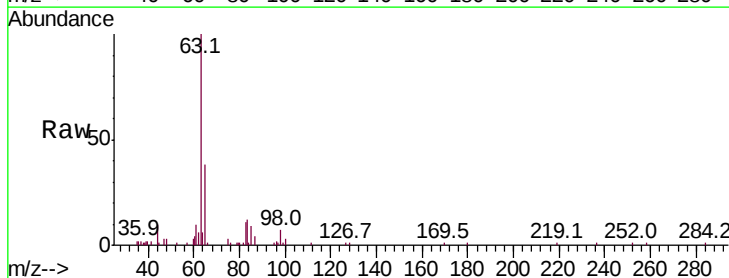
Tgt Ion: 63 Resp: 65772

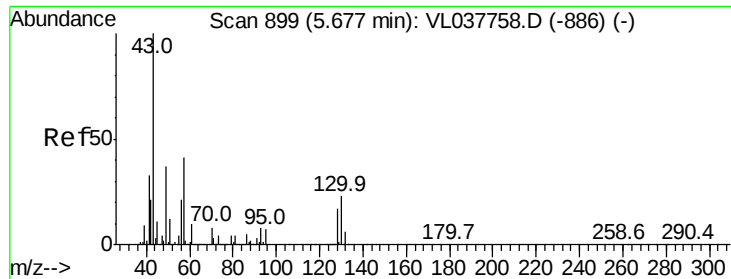
Ion Ratio Lower Upper

63 100

98 6.5 2.3 6.9

100 3.3 1.1 3.1#





#25

Ethyl Acetate

Concen: 0.339 ppbv

RT: 5.71 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

43 100

45 12.

61 13.

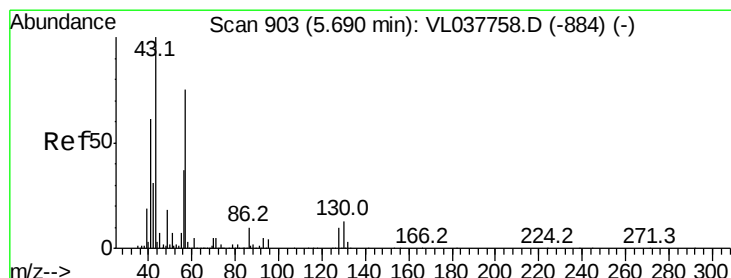
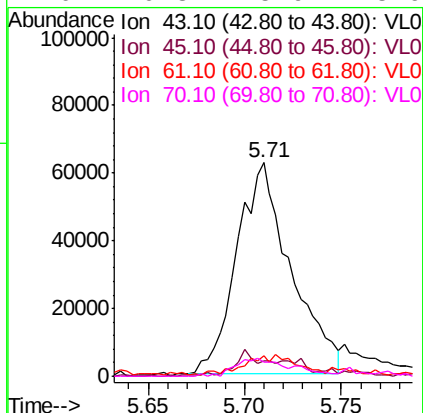
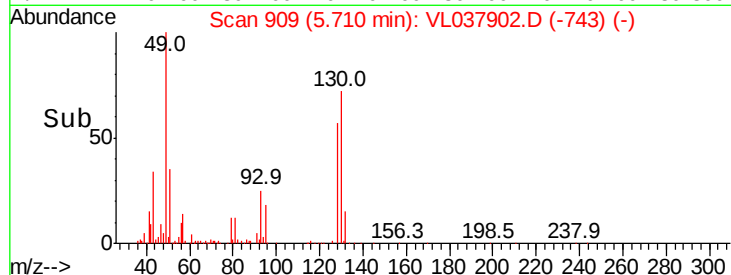
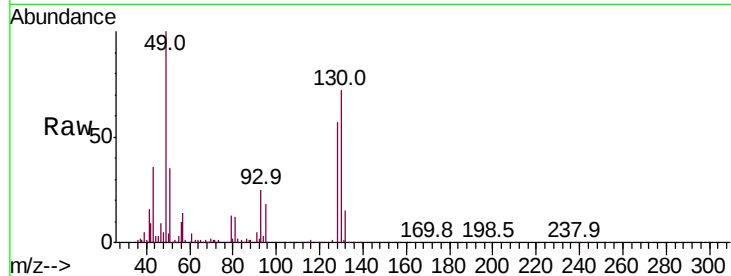
70 10.8

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#26

Hexane

Concen: 0.337 ppbv m

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

Tgt Ion: 57 Resp: 60136

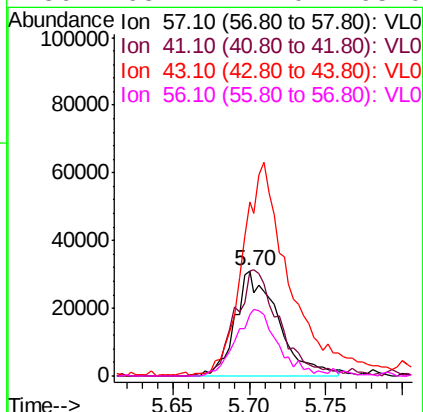
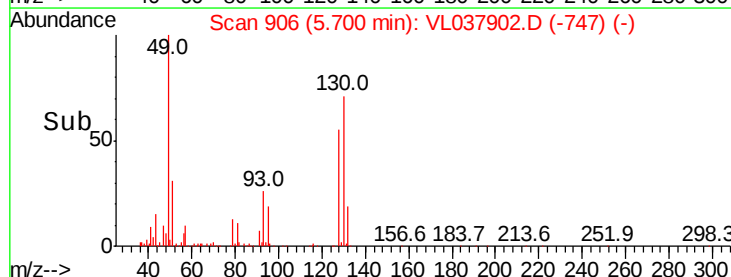
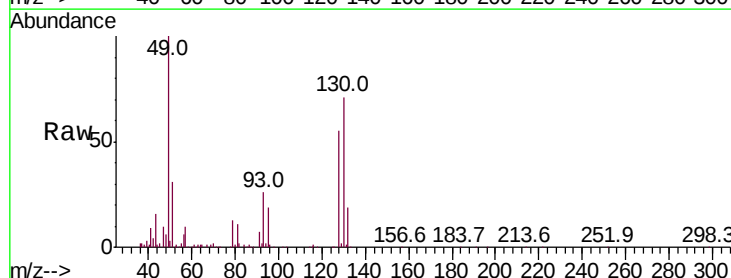
Ion Ratio Lower Upper

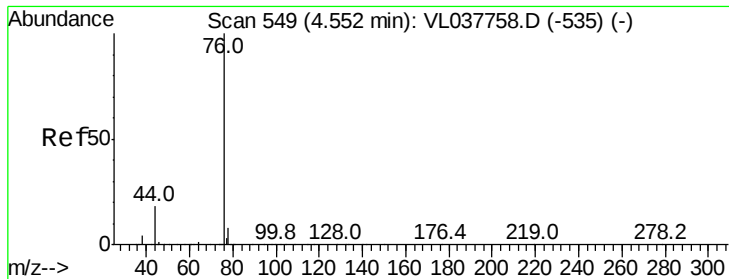
57 100

41 107.1 69.6 104.4#

43 228.1 171.4 257.0

56 65.7 42.0 63.0#





#27

Carbon Disulfide

Concen: 0.314 ppbv

RT: 4.57

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 20:32

Tot Ion:

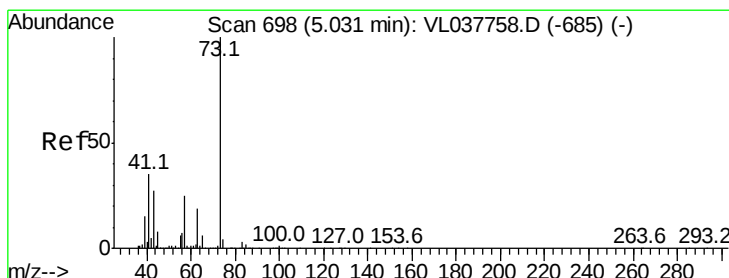
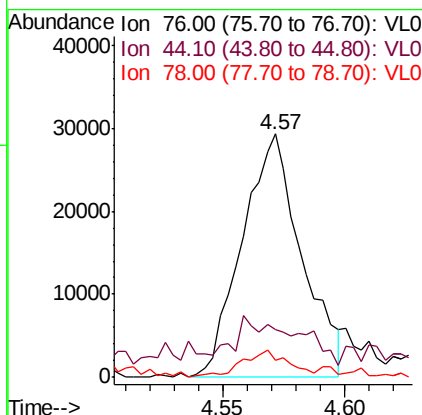
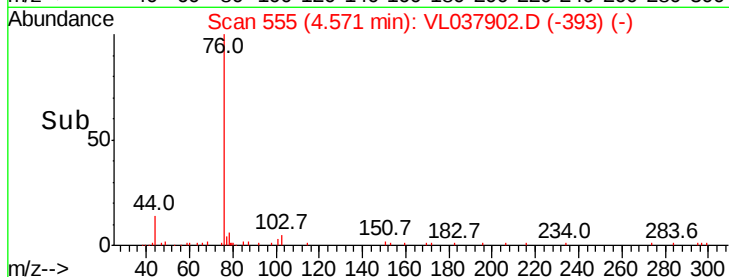
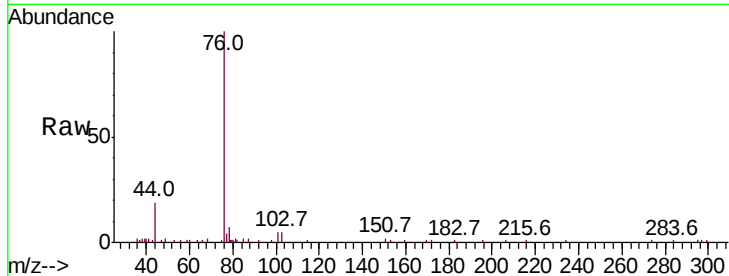
Ion	Ratio
76	100
44	13.
78	11.

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: 0.444 ppbv m

RT: 5.07 min Scan# 711

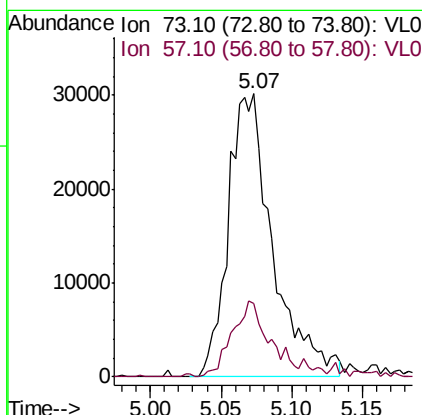
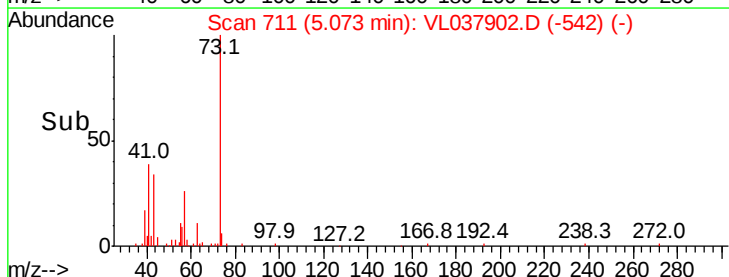
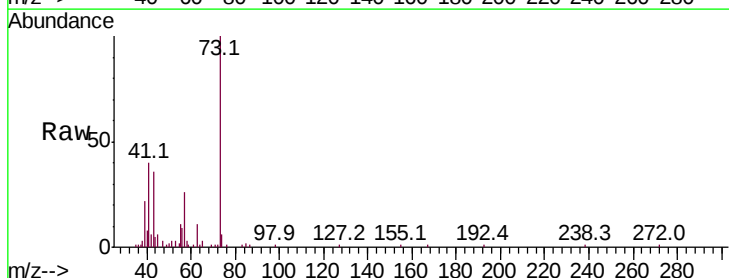
Delta R.T. 0.04 min

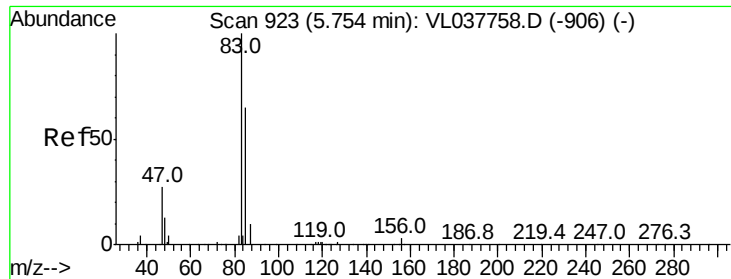
Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

Tgt Ion: 73 Resp: 65968

Ion	Ratio	Lower	Upper
73	100		
57	0.0	20.4	30.6#



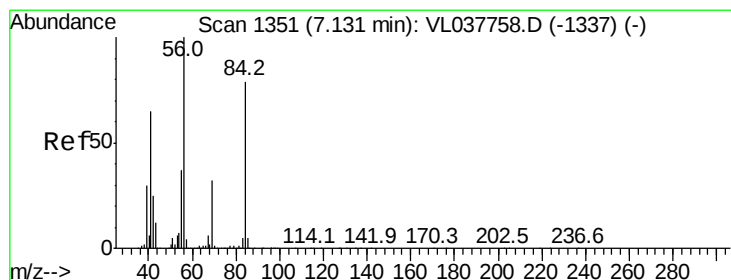
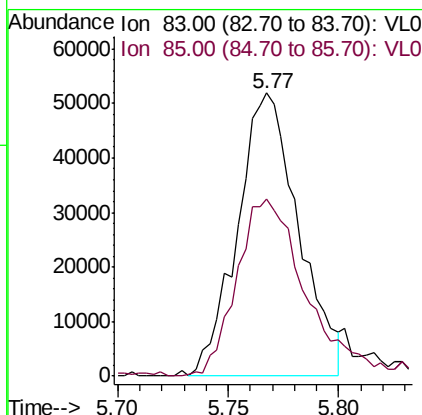
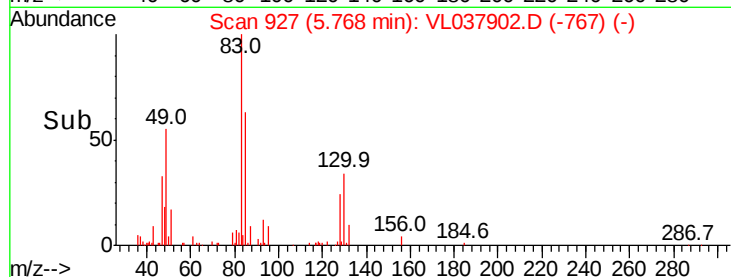
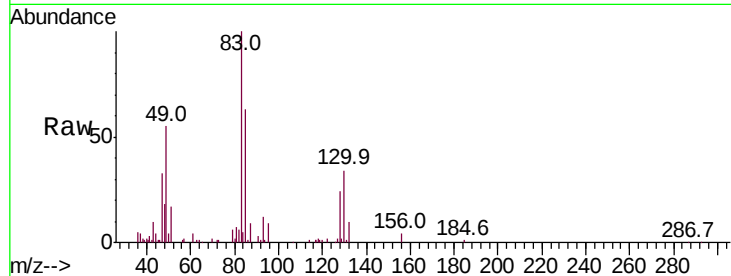


#29
Chloroform
Concen: 0.393 ppbv
RT: 5.77
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Ratio
83 100
85 61.

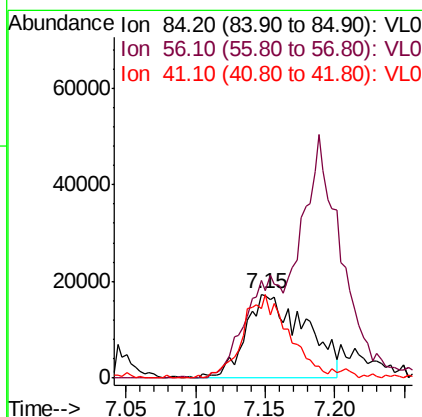
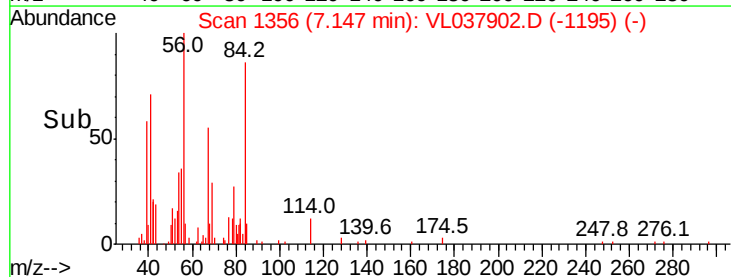
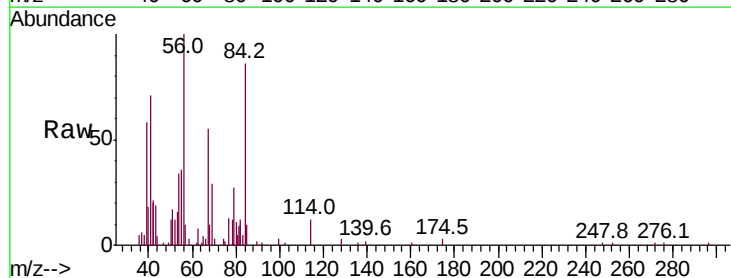
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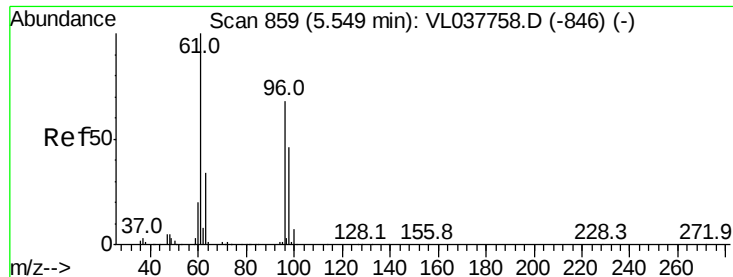
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#30
Cyclohexane
Concen: 0.343 ppbv m
RT: 7.15 min Scan# 1356
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 84 Resp: 51887
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 82.3 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 0.322 ppbv

RT: 5.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

61 100

96 62.

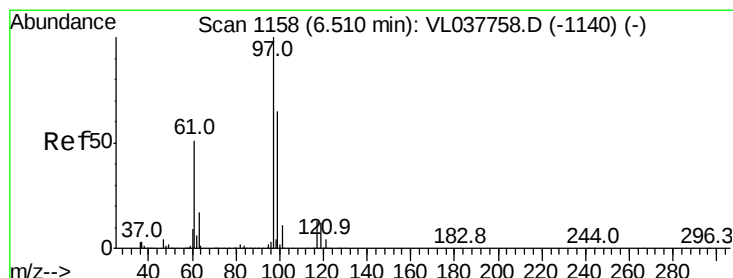
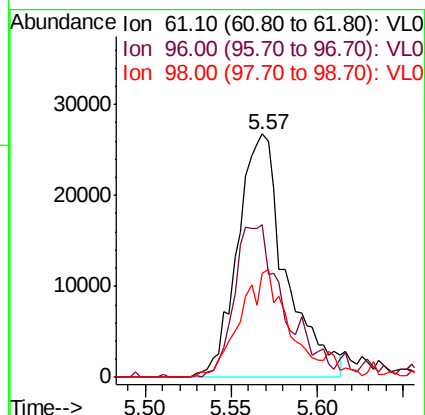
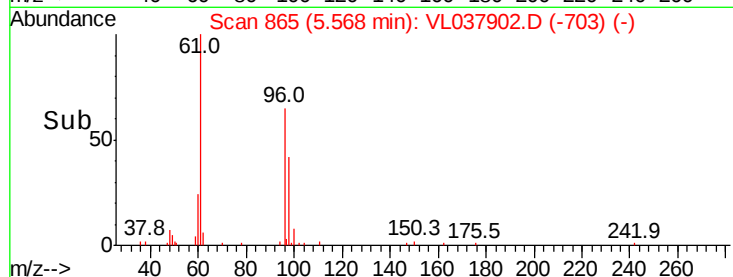
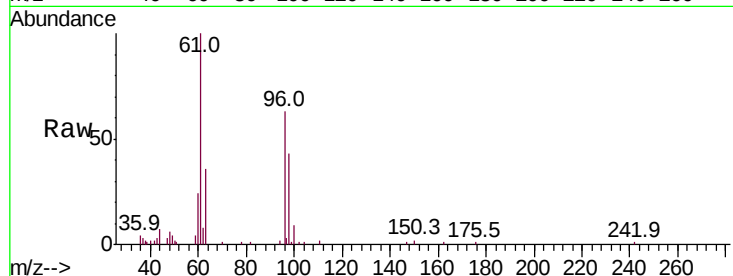
98 42.

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#32

1,1,1-Trichloroethane

Concen: 0.379 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.02 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

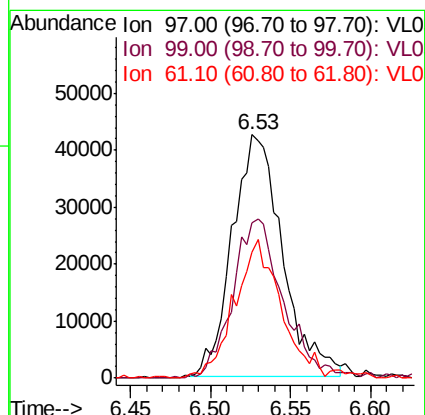
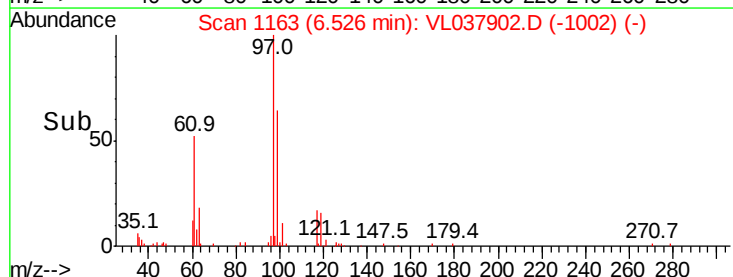
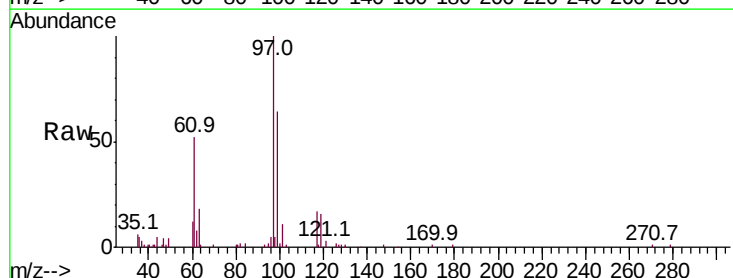
Tgt Ion: 97 Resp: 91468

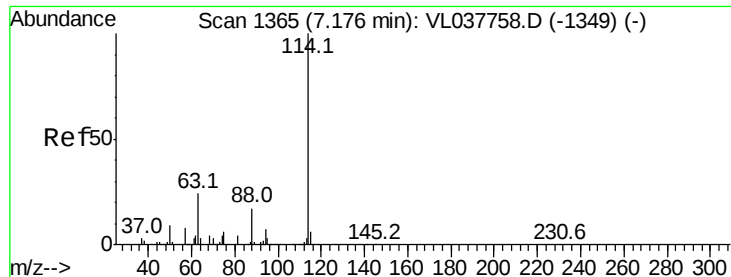
Ion Ratio Lower Upper

97 100

99 66.8 52.6 78.8

61 54.8 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19

Instrument: MSVOA_1

Delta R.T. ClientSampleId:

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

Acq: 25 Oct 2021 20:32

Tot Ion: 1

Ion Ratio

114 100

63 24.

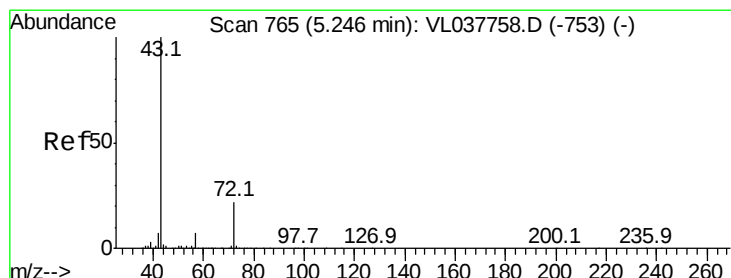
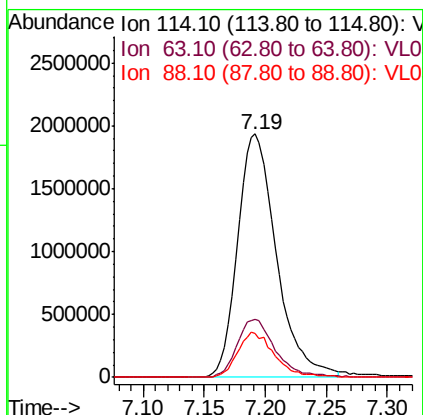
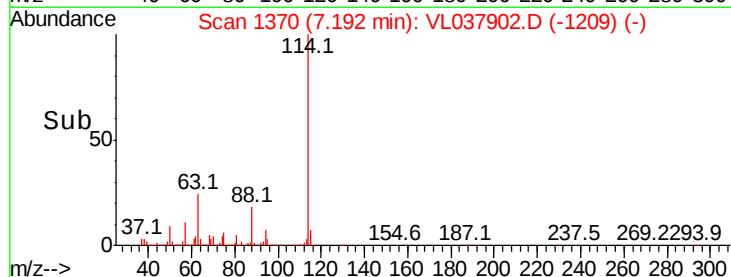
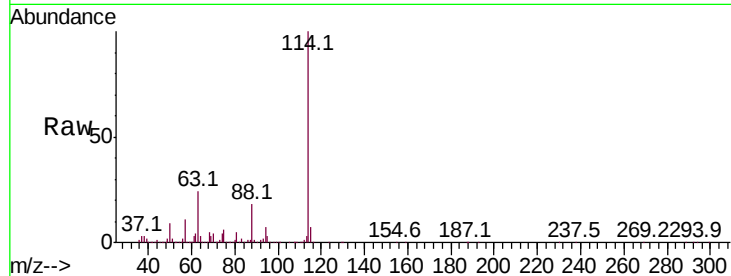
88 17.

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#34

2-Butanone

Concen: 0.318 ppbv m

RT: 5.28 min Scan# 776

Delta R.T. 0.04 min

Lab File: VL037902.D

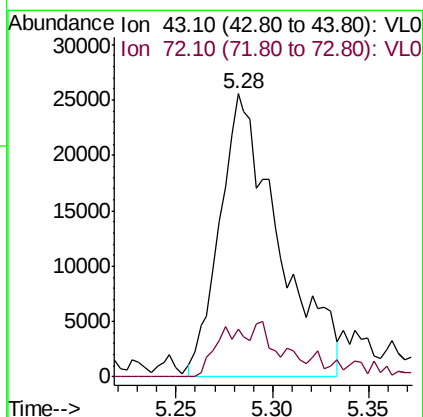
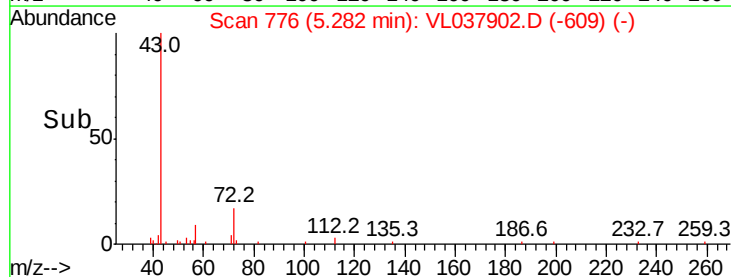
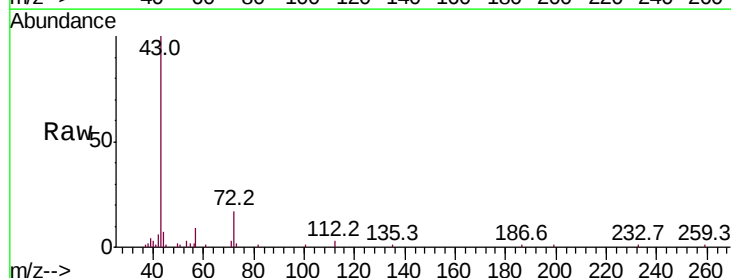
Acq: 25 Oct 2021 20:32

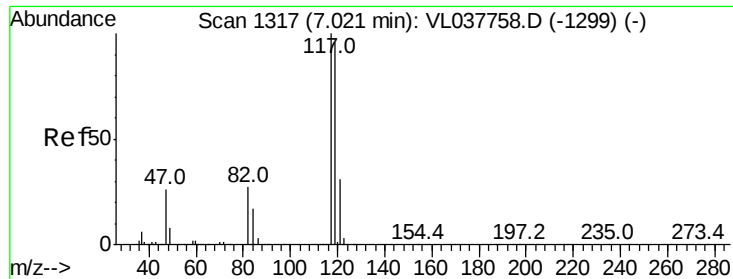
Tgt Ion: 43 Resp: 54737

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#





#35

Carbon Tetrachloride

Concen: 0.364 ppbv

RT: 7.04 Instrument: MSVOA_L

Delta R.T. 0.01 min

Lab File: VL037902.D

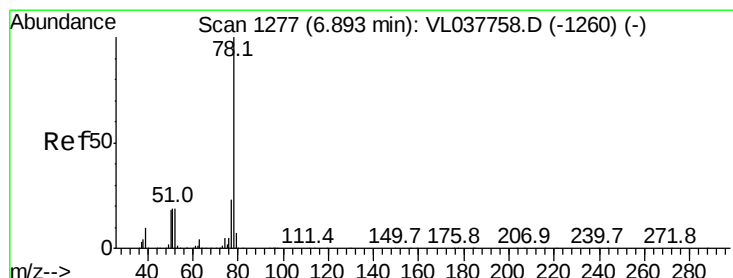
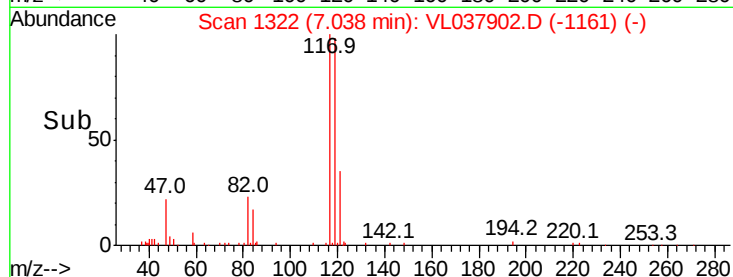
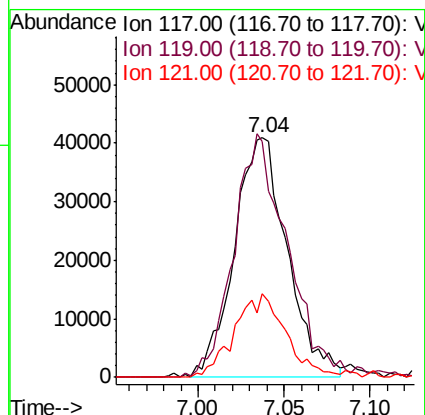
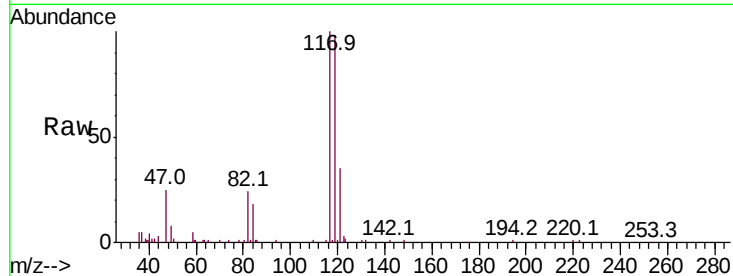
Acq: 25 Oct 2021 20:32

ClientSampleId : MDL-AIR-03-QT4-2021

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Tot Ion: 1
Ion Ratio
117 100
119 97.
121 34.

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



#36

Benzene

Concen: 0.318 ppbv

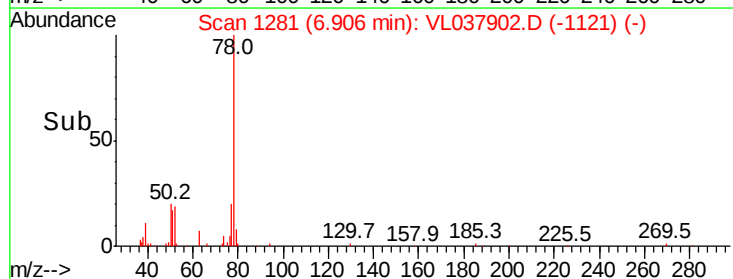
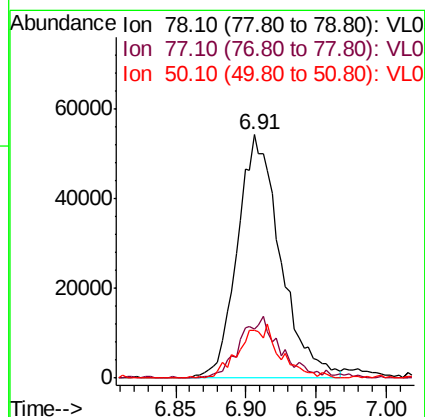
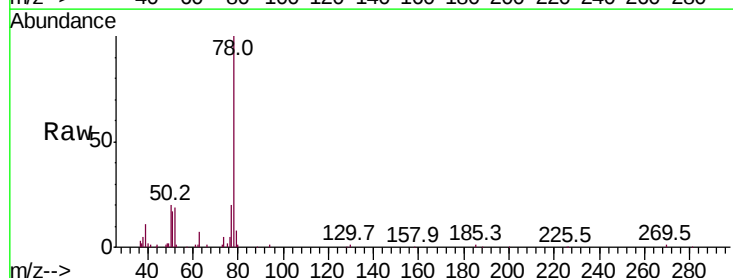
RT: 6.91 min Scan# 1281

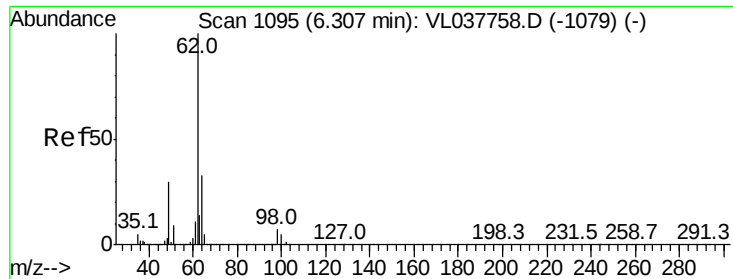
Delta R.T. 0.01 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

Tgt Ion: 78 Resp: 115779
Ion Ratio Lower Upper
78 100
77 20.3 18.8 28.2
50 19.1 14.7 22.1



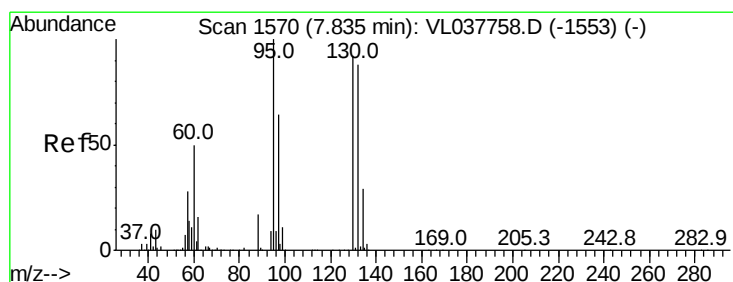
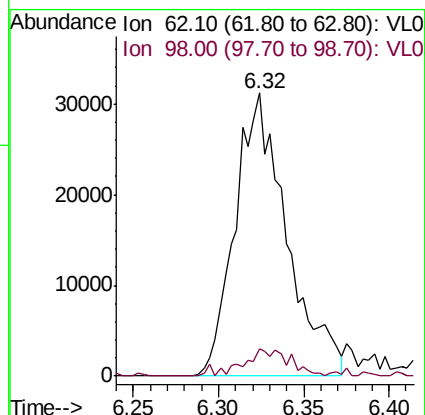
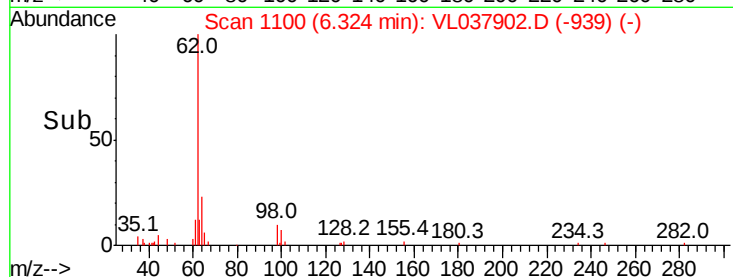
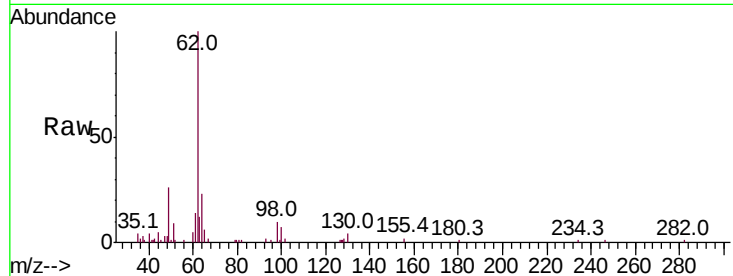


#37
 1,2-Dichloroethane
 Concen: 0.383 ppbv m
 RT: 6.32
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 20:32

Tot Ion:
 Ion Ratio
 62 100
 98 9.

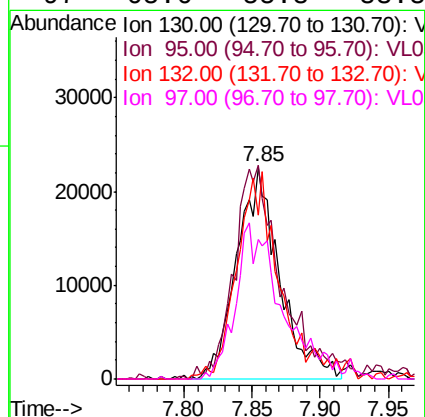
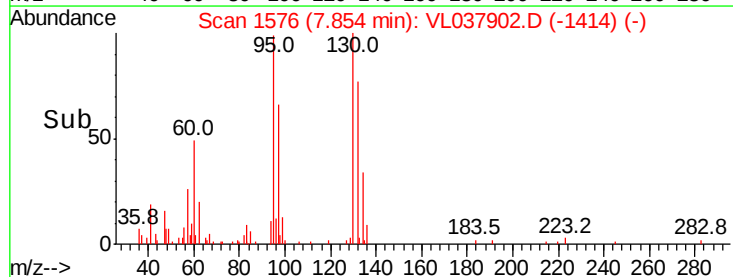
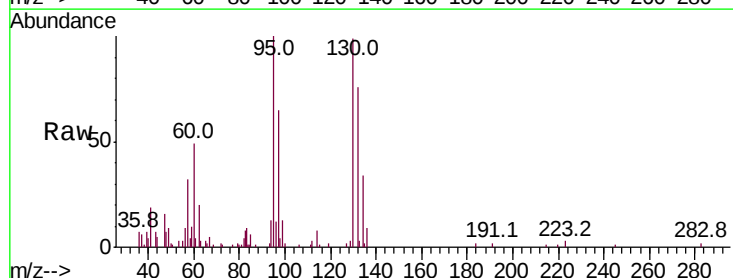
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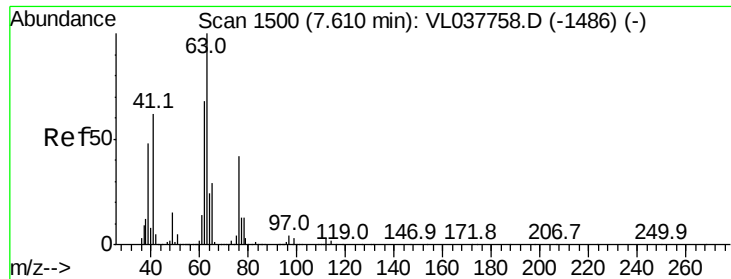
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#38
 Trichloroethene
 Concen: 0.343 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL037902.D
 Acq: 25 Oct 2021 20:32

Tgt Ion:130 Resp: 49237
 Ion Ratio Lower Upper
 130 100
 95 100.8 87.4 131.0
 132 77.1 76.8 115.2
 97 65.6 55.8 83.8



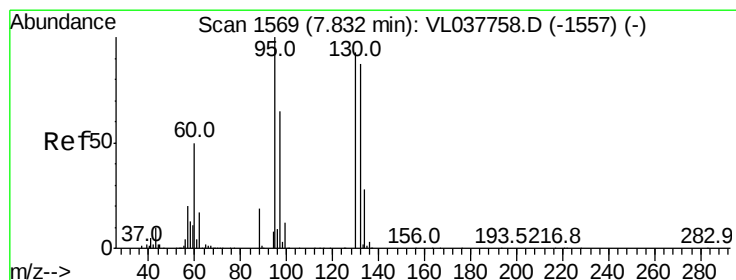
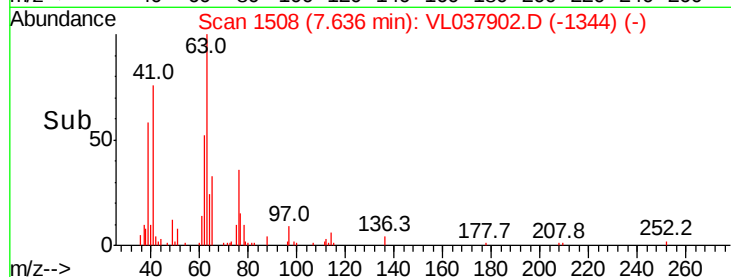
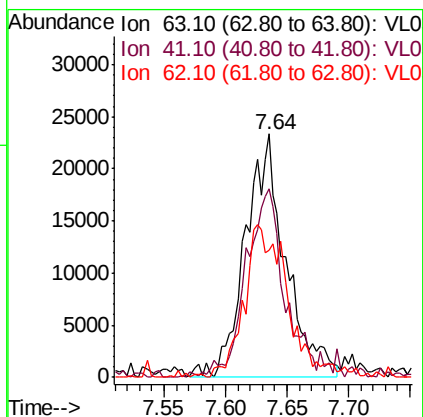
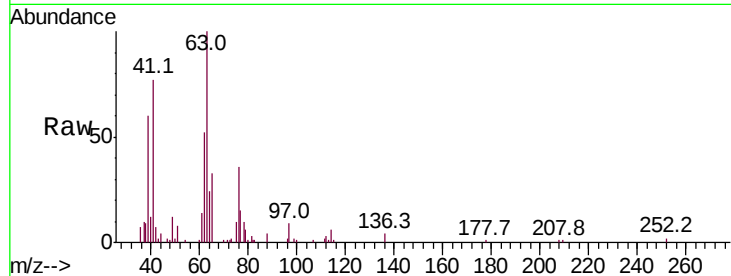


#39
 1,2-Dichloropropane
 Concen: 0.392 ppbv m
 RT: 7.64
 Instrument: MSVOA_1
 Delta R.T.
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 20:32

Tot Ion:
 Ion Ratio
 63 100
 41 77.
 62 52.

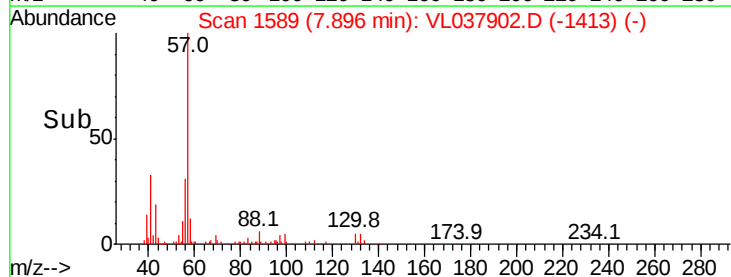
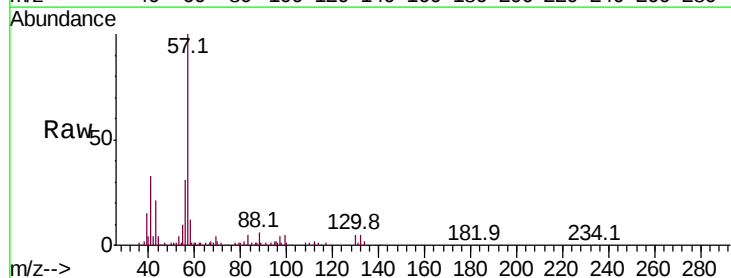
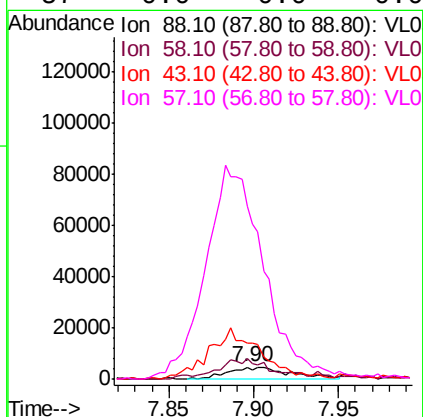
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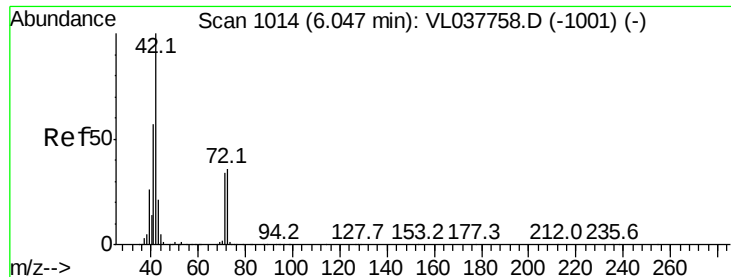
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#40
 1,4-Dioxane
 Concen: 0.346 ppbv m
 RT: 7.90 min Scan# 1589
 Delta R.T. 0.06 min
 Lab File: VL037902.D
 Acq: 25 Oct 2021 20:32

Tgt Ion: 88 Resp: 11835
 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



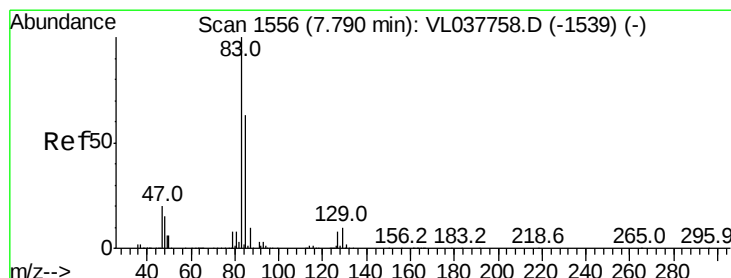
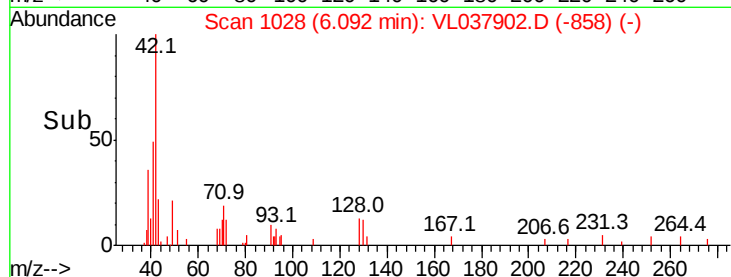
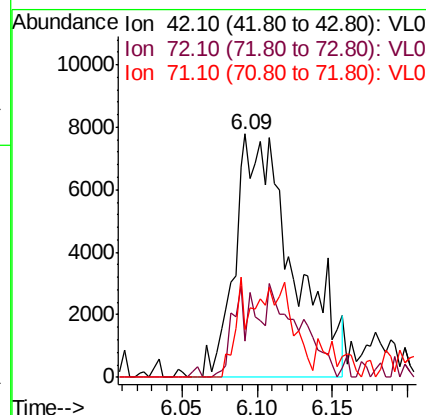
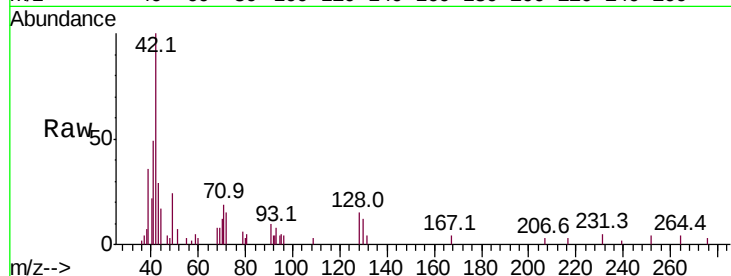


#41
Tetrahydrofuran
Concen: 0.248 ppbv m
RT: 6.09
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Ratio
42 100
72 0.
71 0.

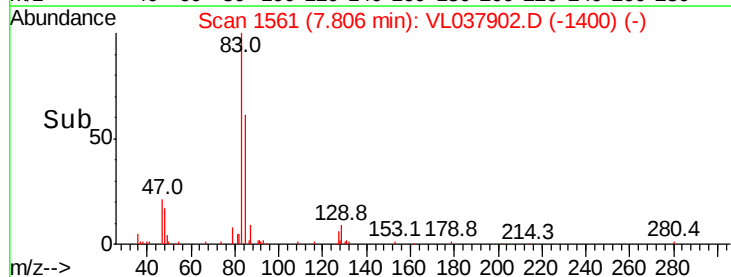
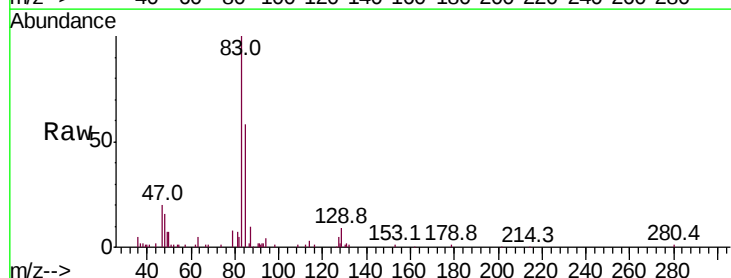
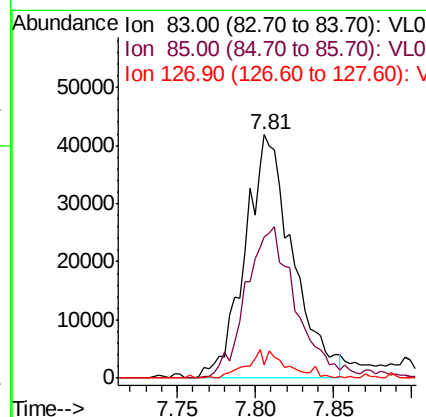
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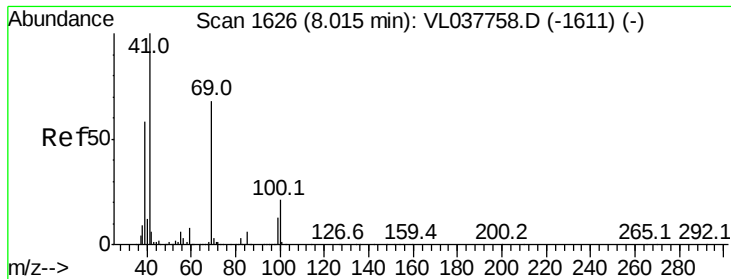
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#42
Bromodichloromethane
Concen: 0.354 ppbv m
RT: 7.81 min Scan# 1561
Delta R.T.: 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 83 Resp: 89081
Ion Ratio Lower Upper
83 100
85 58.2 50.6 75.8
127 5.3 6.2 9.4#





#43

Methyl Methacrylate

Concen: 0.273 ppbv m

RT: 8.04

Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32

Tot Ion:

Ion Ratio

69 100

41 0.

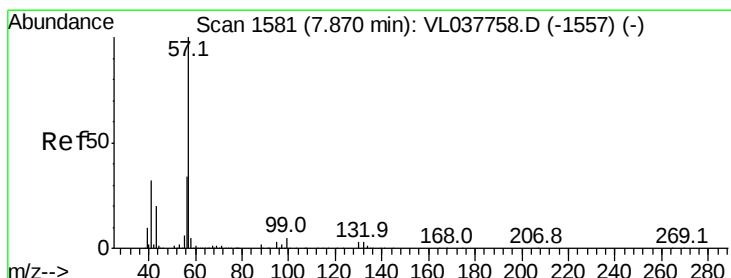
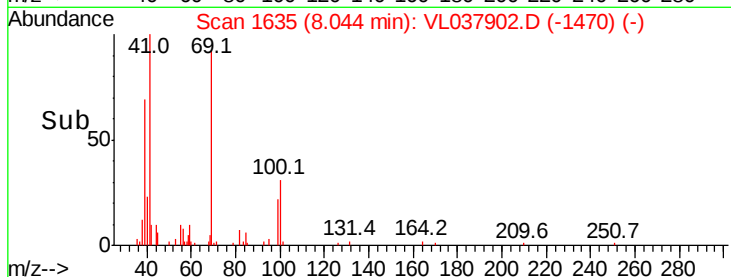
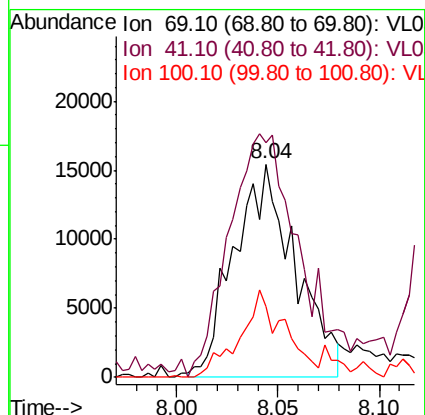
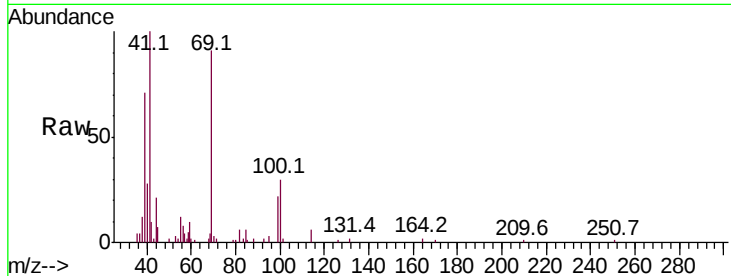
100 0.

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: 0.319 ppbv m

RT: 7.88 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

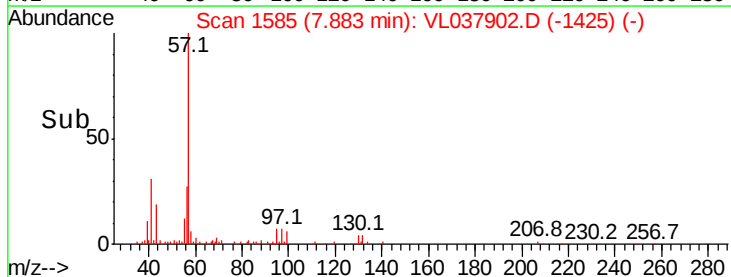
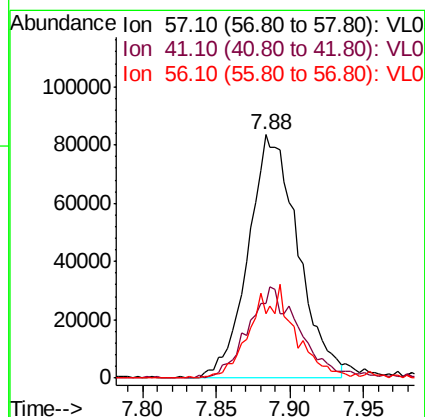
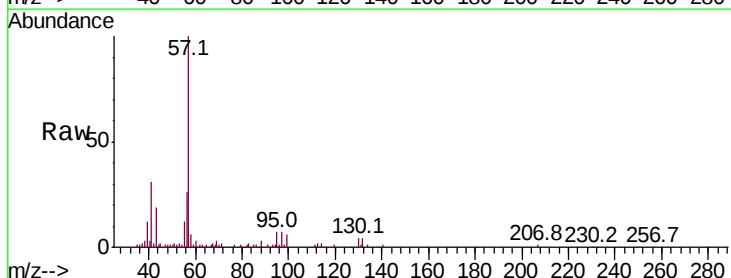
Tgt Ion: 57 Resp: 195300

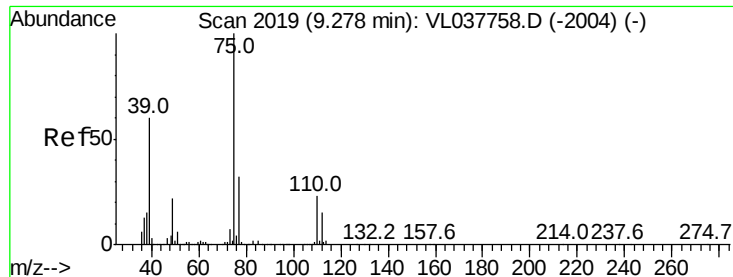
Ion Ratio Lower Upper

57 100

41 39.9 25.6 38.4#

56 34.6 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 0.232 ppbv m

RT: 9.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

75 100

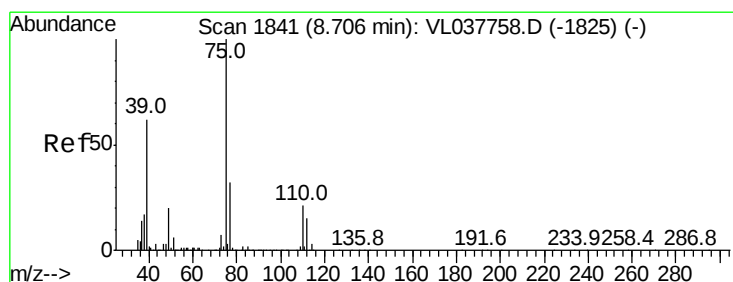
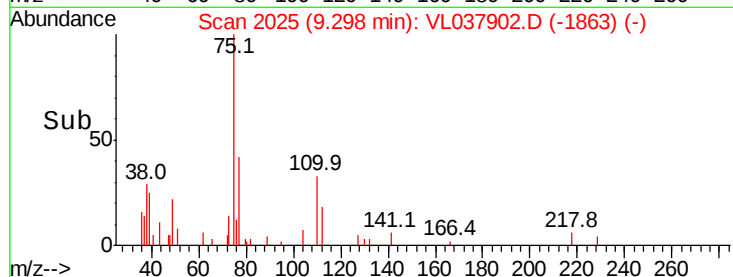
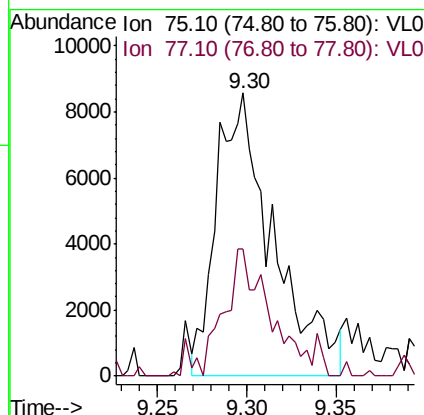
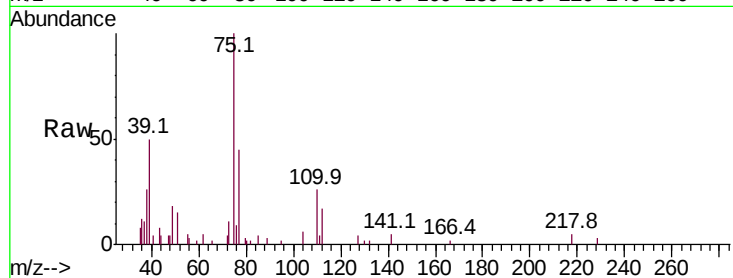
77 44.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#46

cis-1,3-Dichloropropene

Concen: 0.260 ppbv m

RT: 8.72 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

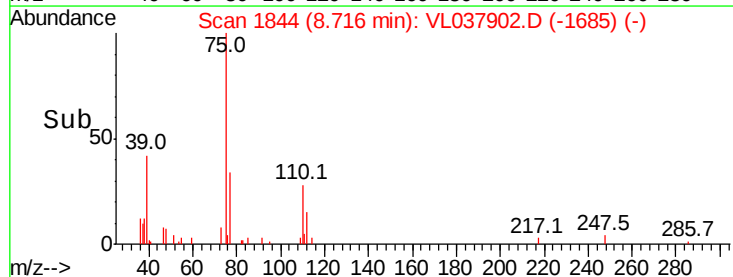
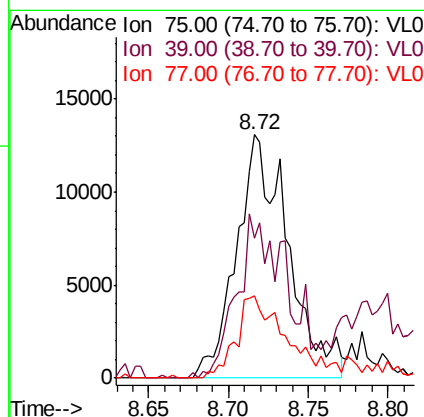
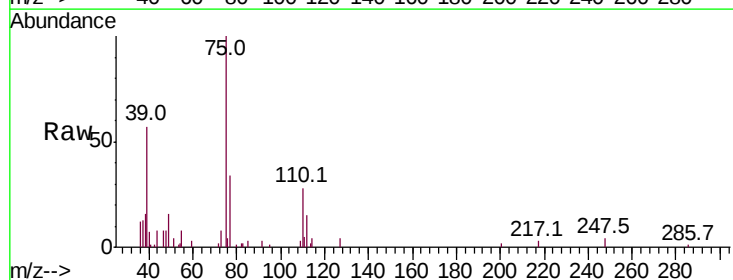
Tgt Ion: 75 Resp: 29458

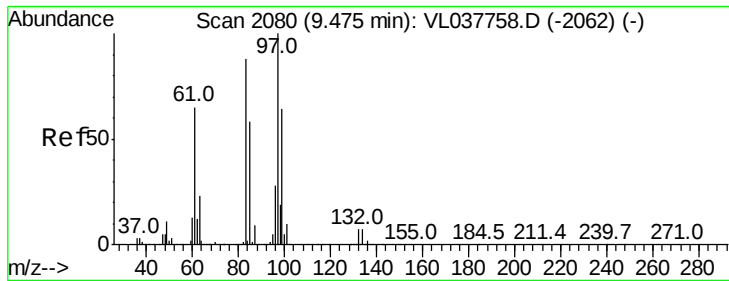
Ion Ratio Lower Upper

75 100

39 57.5 49.9 74.9

77 33.9 25.9 38.9



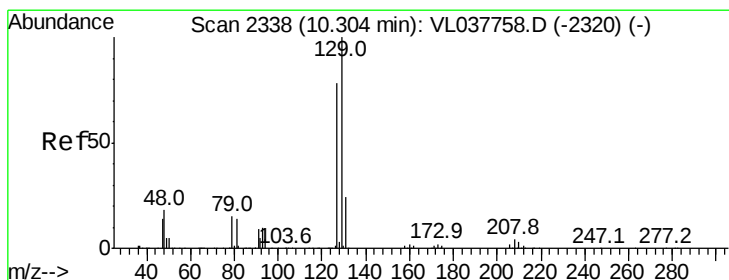
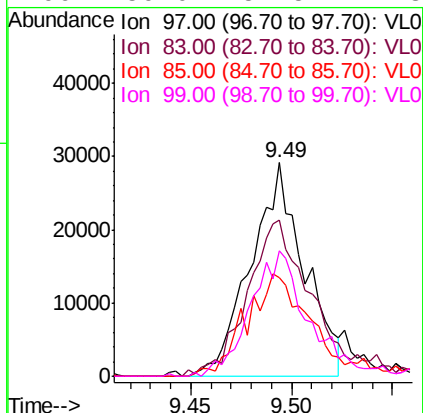
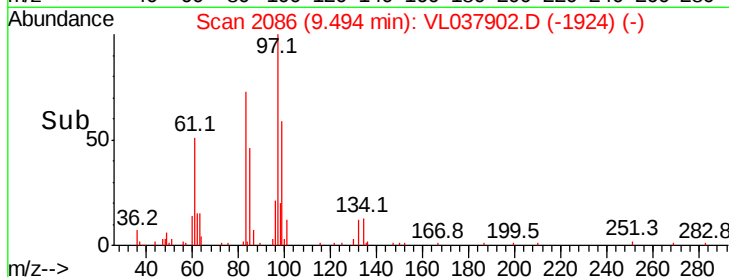
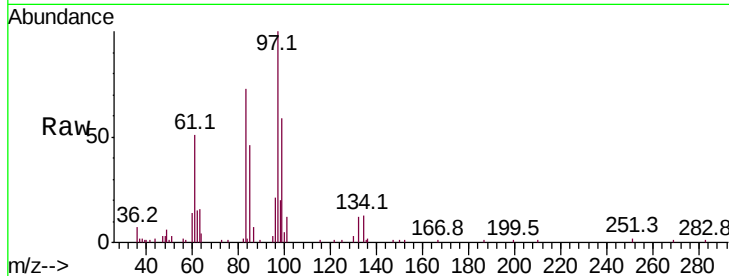


#47
 1,1,2-Trichloroethane
 Concen: 0.362 ppbv
 RT: 9.49
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:
 Ion Ratio
 97 100
 83 70.
 85 46.
 99 59.0 51.5 77.3

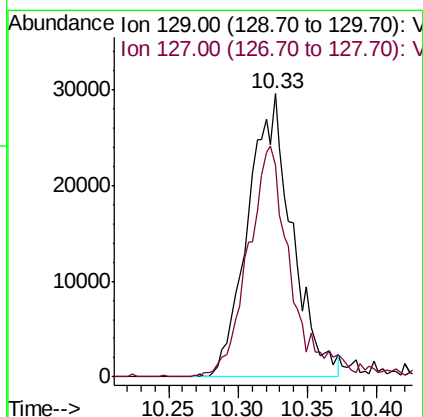
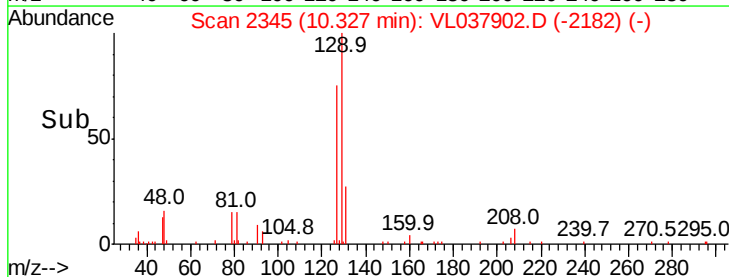
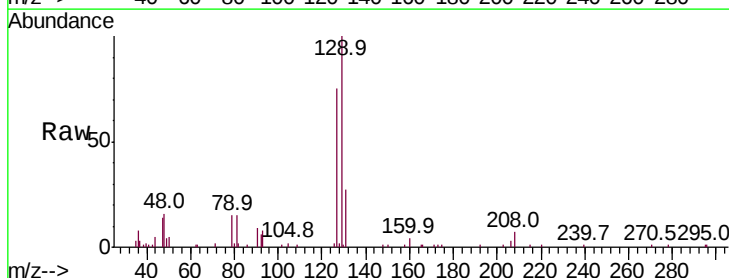
Manual Integrations
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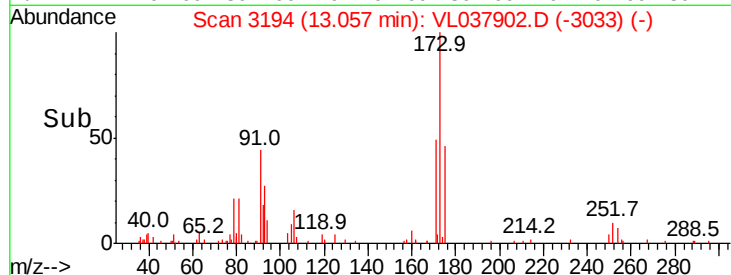
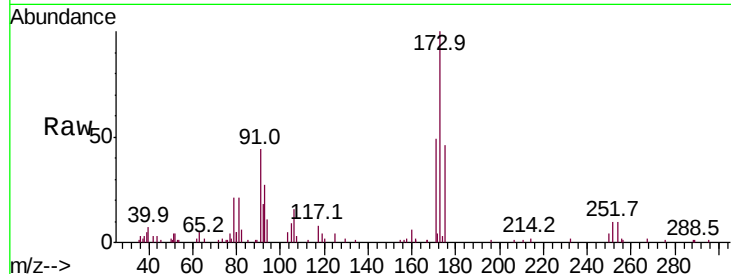
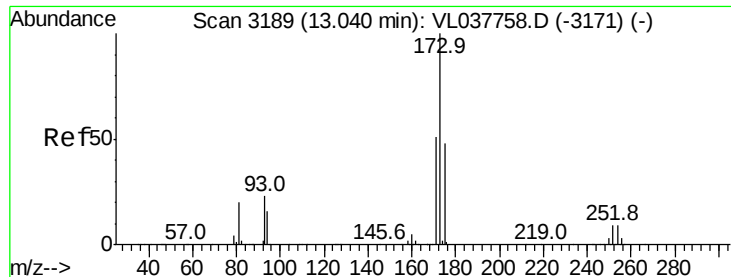
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#48
 Dibromochloromethane
 Concen: 0.307 ppbv m
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.02 min
 Lab File: VL037902.D
 Acq: 25 Oct 2021 20:32

Tgt Ion:129 Resp: 65179
 Ion Ratio Lower Upper
 129 100
 127 81.2 39.5 118.5





#49

Bromoform

Concen: 0.283 ppbv m

RT: 13.06

Delta R.T.

Lab File:

Acq: 25 Oct 2021 20:32

Instrument:

MSVOA_L

ClientSampleId:

MDL-AIR-03-QT4-2021

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021

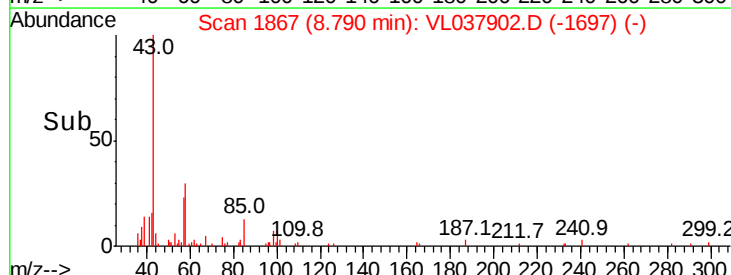
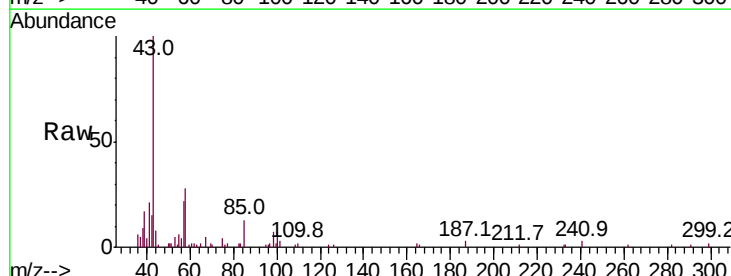
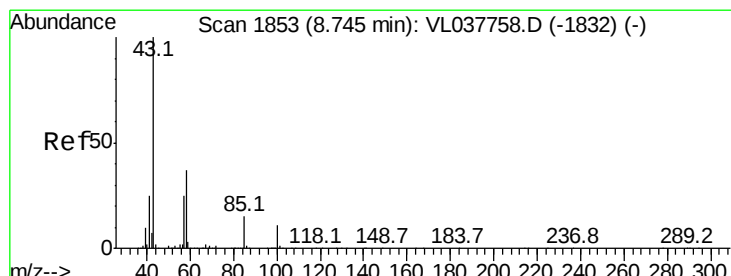
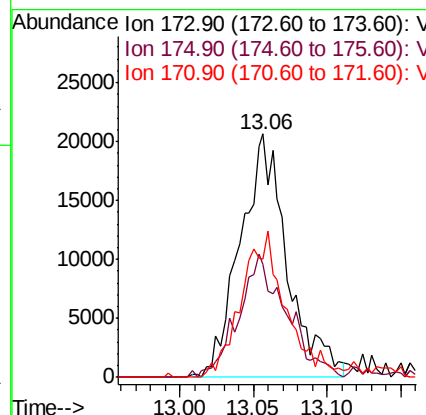
Tot Ion:1

Ion Rati

173 100

175 53.

171 60.



#50

4-Methyl-2-Pentanone

Concen: 0.263 ppbv m

RT: 8.79 min Scan# 1867

Delta R.T. 0.05 min

Lab File: VL037902.D

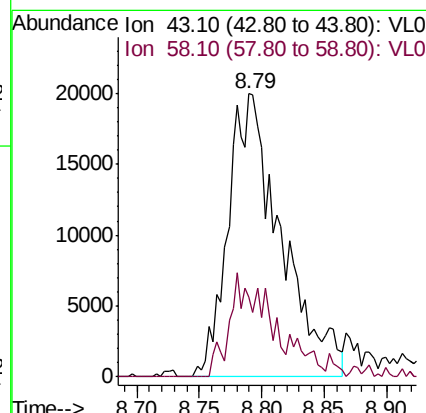
Acq: 25 Oct 2021 20:32

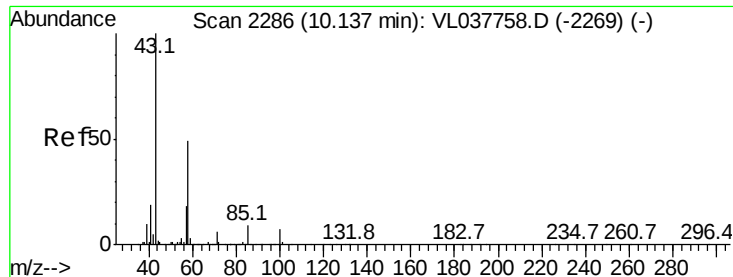
Tgt Ion: 43 Resp: 58948

Ion Ratio Lower Upper

43 100

58 32.6 29.4 44.0



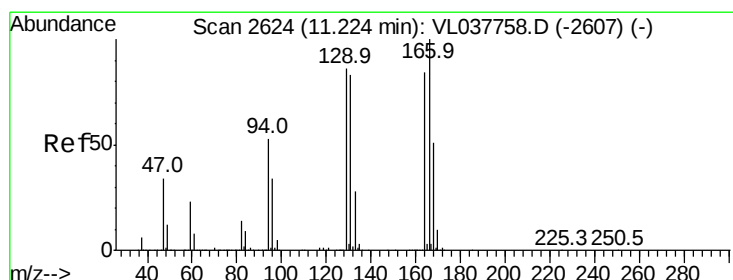
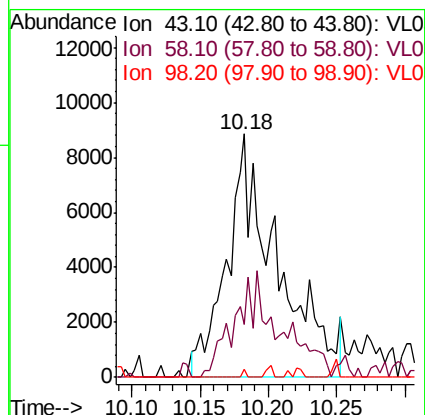
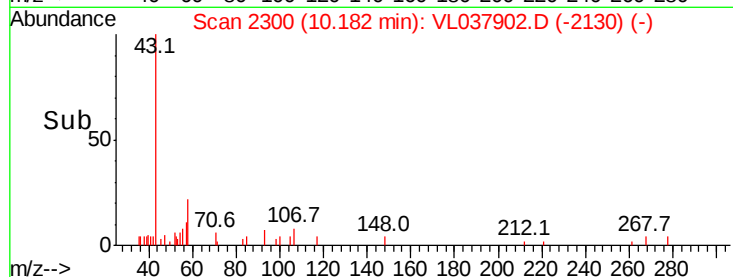
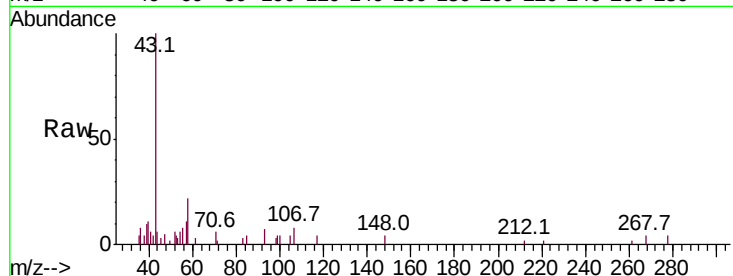


#51
2-Hexanone
Concen: 0.226 ppbv m
RT: 10.18
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Ratio
43 100
58 0.
98 0.

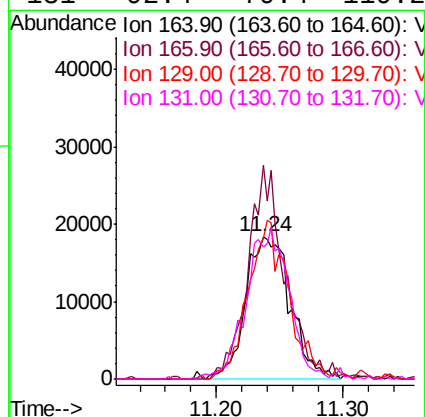
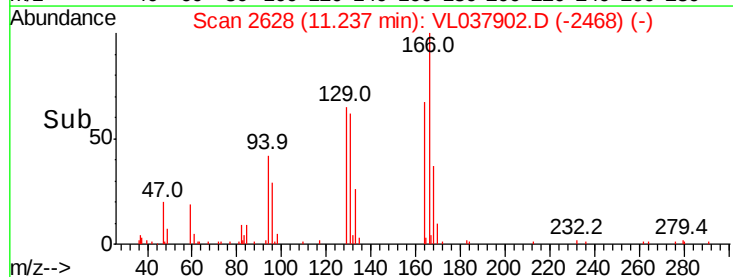
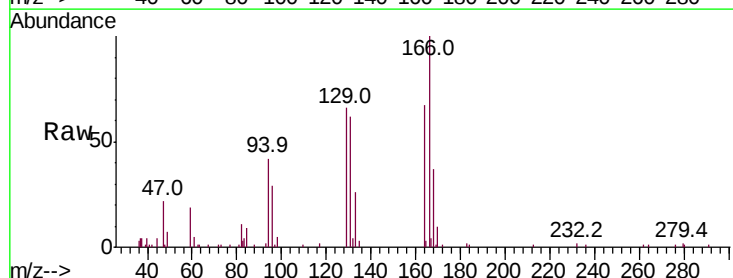
Manual Integrations
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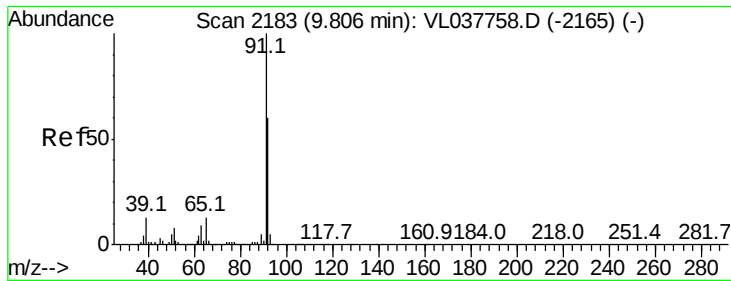
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#52
Tetrachloroethene
Concen: 0.318 ppbv m
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:164 Resp: 45061
Ion Ratio Lower Upper
164 100
166 150.0 95.4 143.2#
129 98.8 82.2 123.4
131 92.4 79.4 119.2





#53

Toluene

Concen: 0.245 ppbv m

RT: 9.83 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 25 Oct 2021 20:32 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

91 100

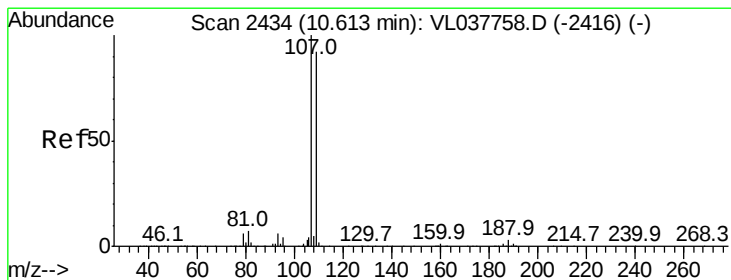
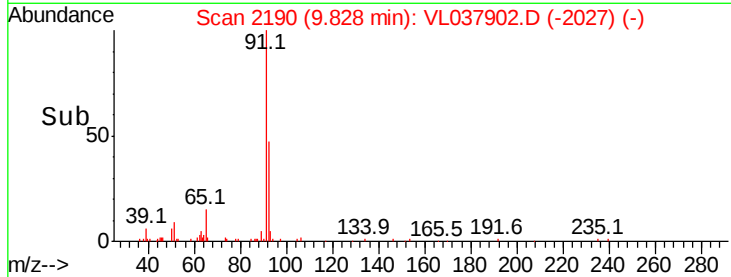
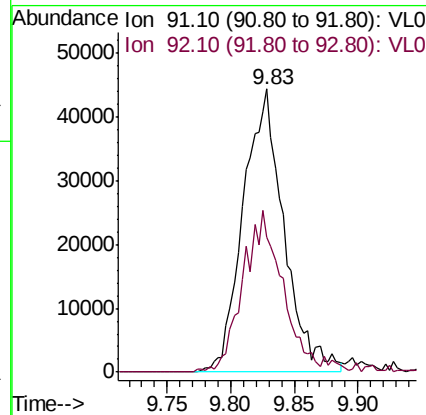
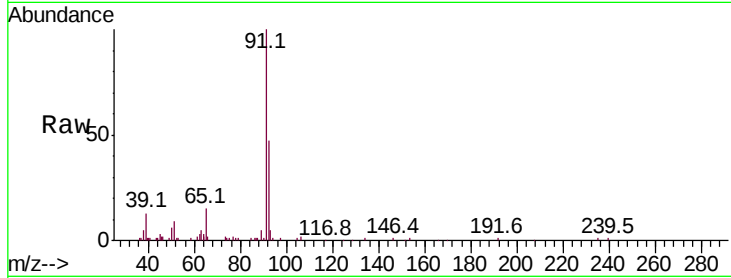
92 57.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#54

1,2-Dibromoethane

Concen: 0.306 ppbv m

RT: 10.63 min Scan# 2440

Delta R.T. 0.02 min

Lab File: VL037902.D

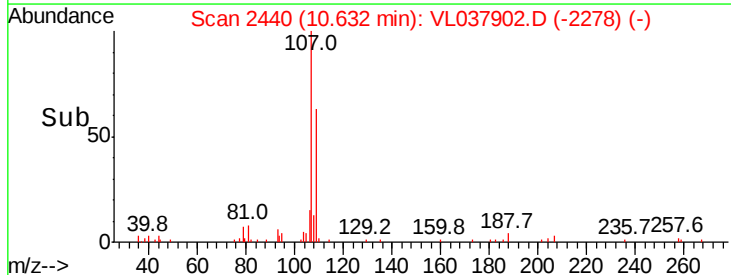
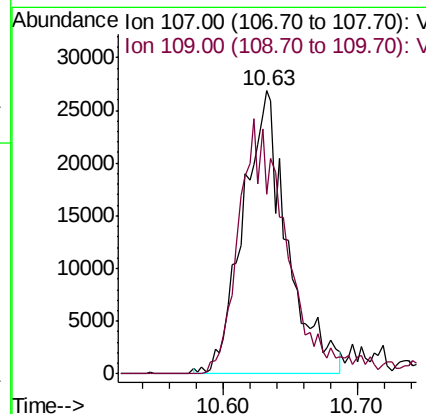
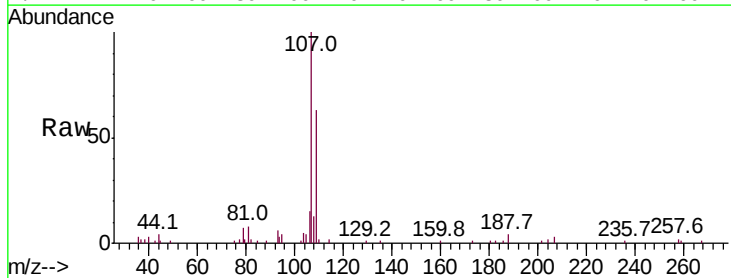
Acq: 25 Oct 2021 20:32

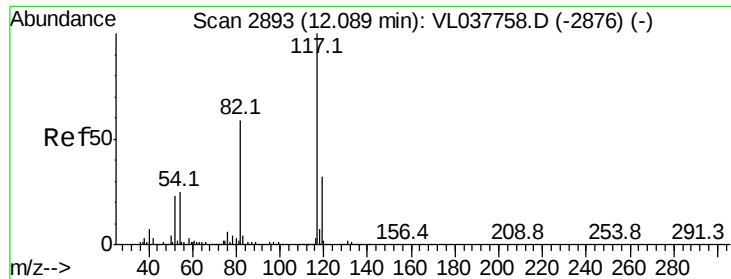
Tgt Ion:107 Resp: 61506

Ion Ratio Lower Upper

107 100

109 63.4 73.8 110.6#



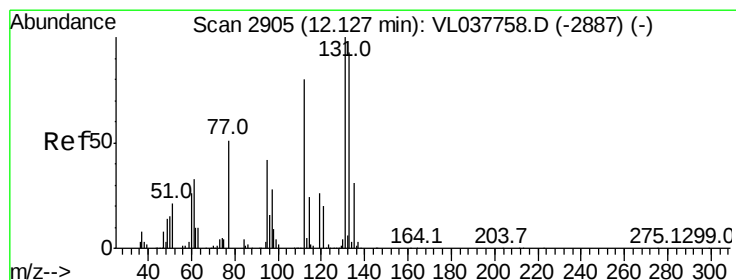
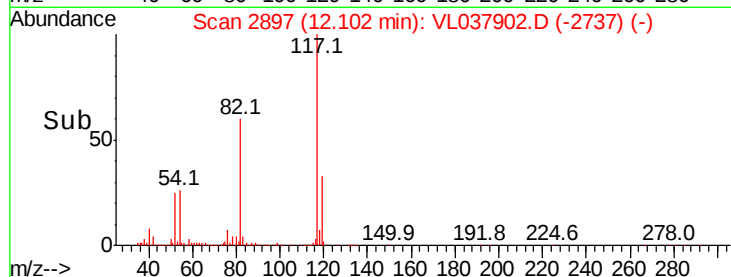
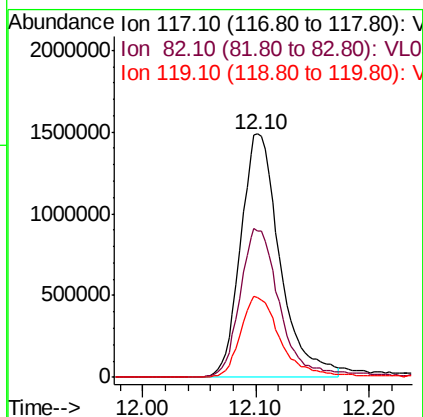
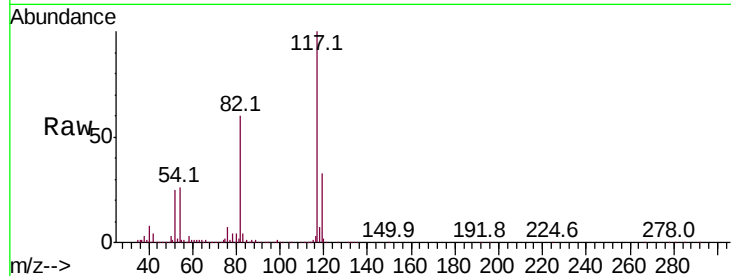


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: ClientSampleId :
Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion: 1
Ion Ratio
117 100
82 63.
119 34.

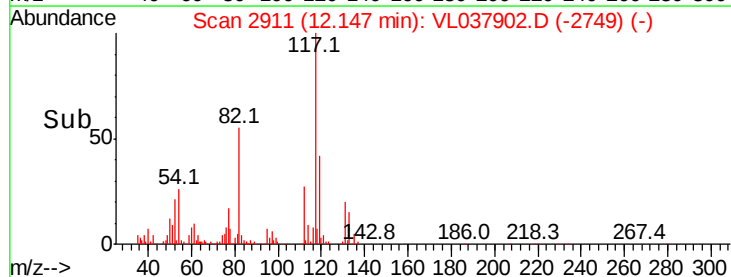
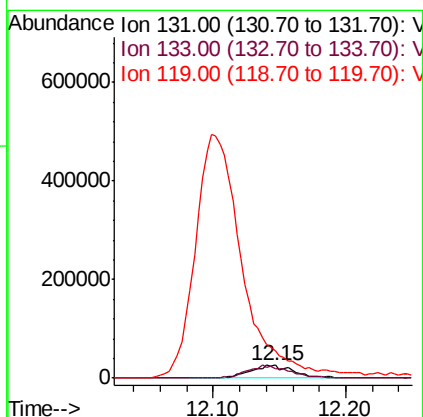
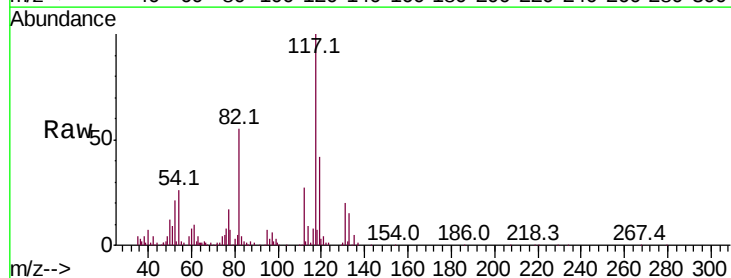
Manual Integrations
APPROVED

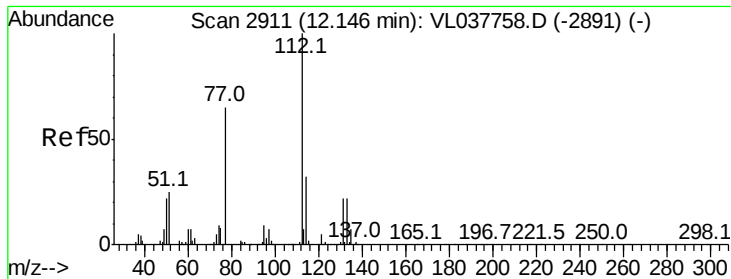
Reviewed By : Semsettin Yesilyurt 10/27/2021
Supervised By : Mahesh Dadoda 10/27/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 0.404 ppbv m
RT: 12.15 min Scan# 2911
Delta R.T.: 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 131 Resp: 60053
Ion Ratio Lower Upper
131 100
133 98.2 78.5 117.7
119 2113.4 51.7 77.5#





#57

Chlorobenzene

Concen: 0.439 ppbv m

RT: 12.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:1

Ion Rati

112 100

77 53.

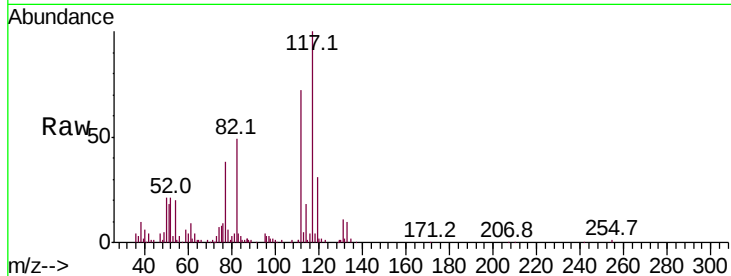
114 25.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

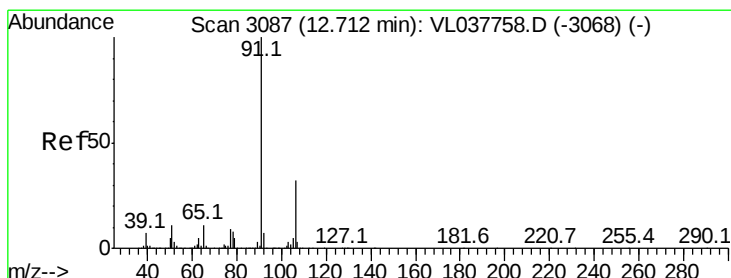
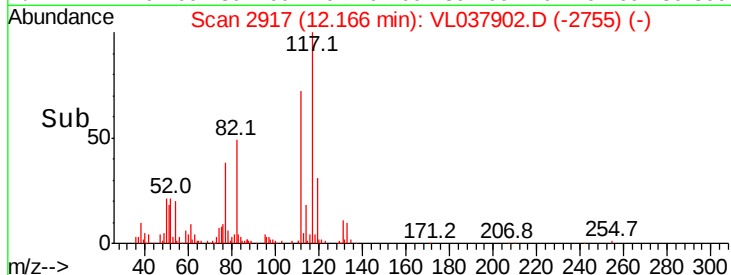
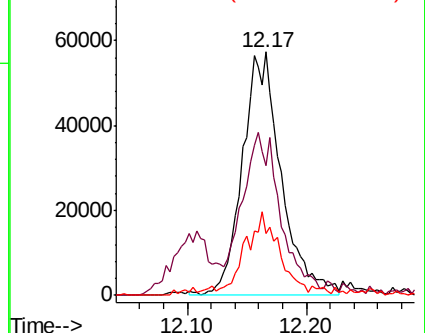
Supervised By :Mahesh Dadoda 10/27/2021



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.253 ppbv m

RT: 12.73 min Scan# 3093

Delta R.T. 0.02 min

Lab File: VL037902.D

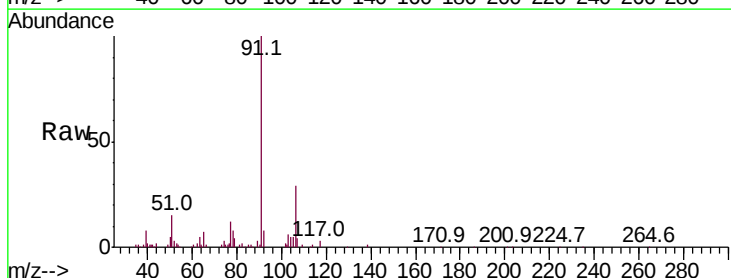
Acq: 25 Oct 2021 20:32

Tgt Ion: 91 Resp: 122237

Ion Ratio Lower Upper

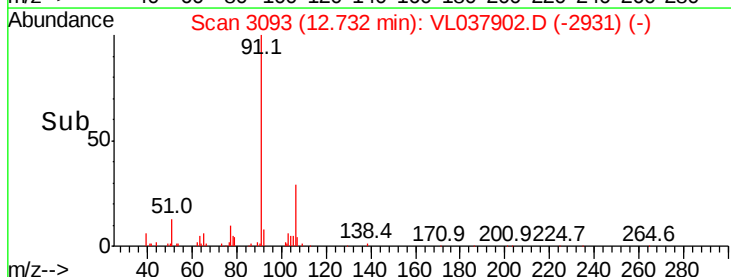
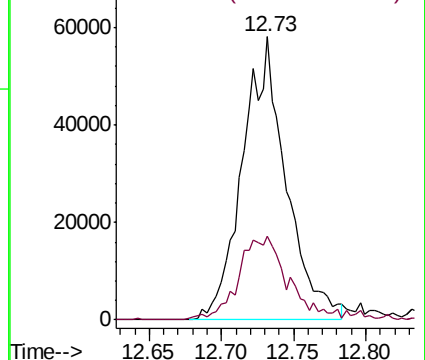
91 100

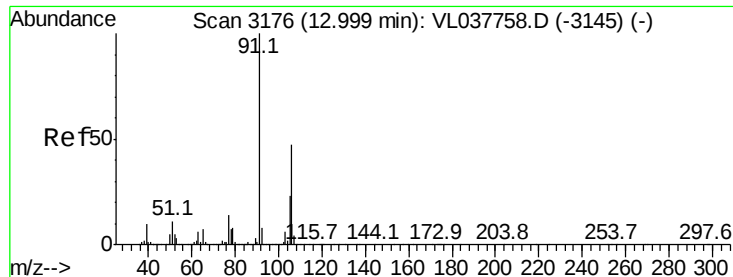
106 29.4 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



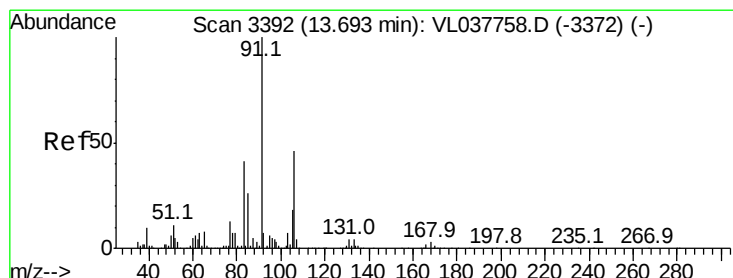
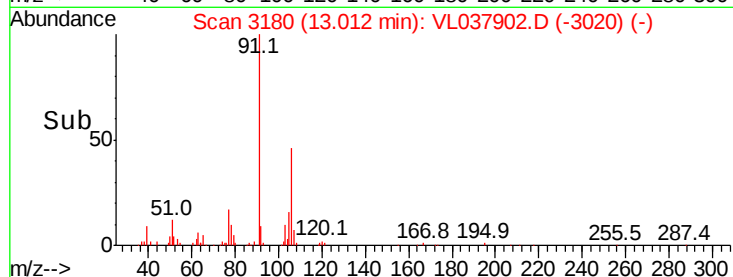
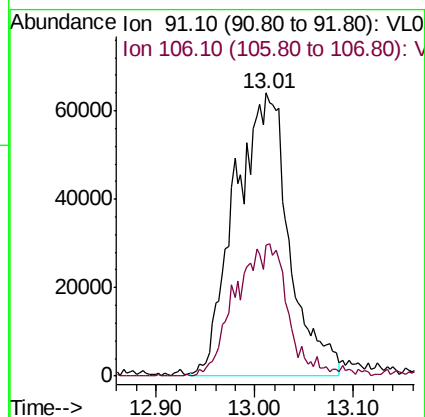
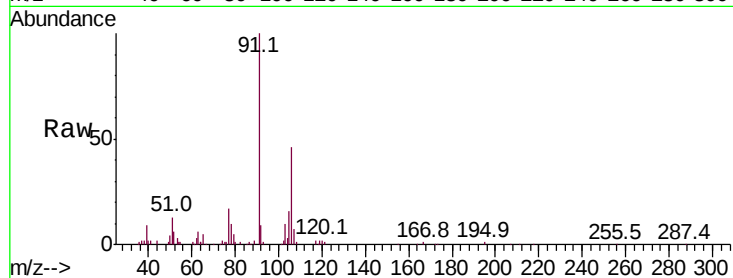


#59
m/p-Xylene
Concen: 0.594 ppbv m
RT: 13.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Ratio
91 100
106 45.

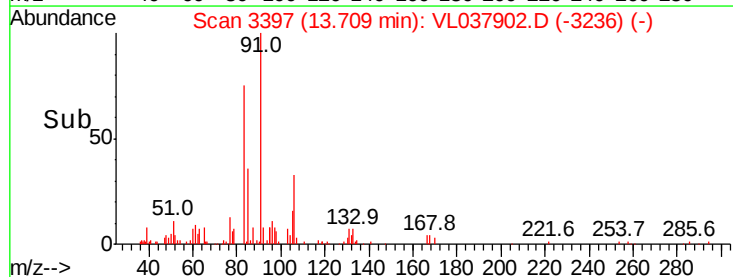
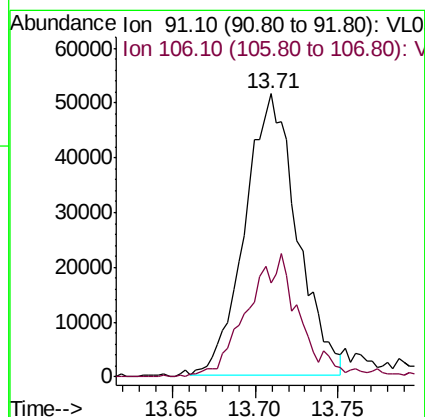
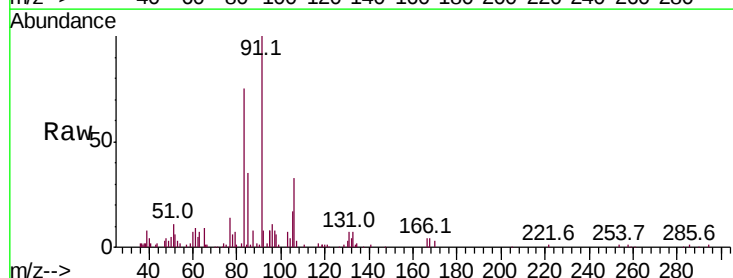
Manual Integrations
APPROVED

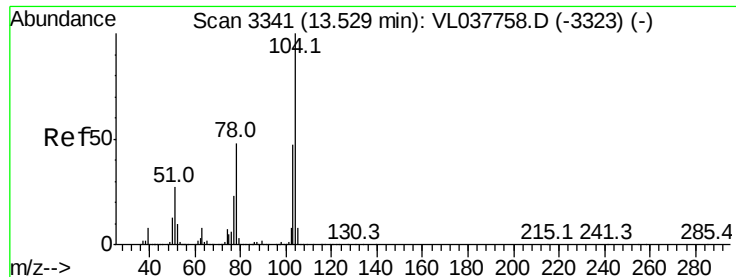
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#60
o-Xylene
Concen: 0.286 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion: 91 Resp: 113428
Ion Ratio Lower Upper
91 100
106 44.3 23.5 70.5





#61

Stvrene

Concen: 0.183 ppbv

RT: 13.54

Delta R.T.

Lab File:

Acq: 25 Oct 2021 20:32

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-OT4-2021

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021

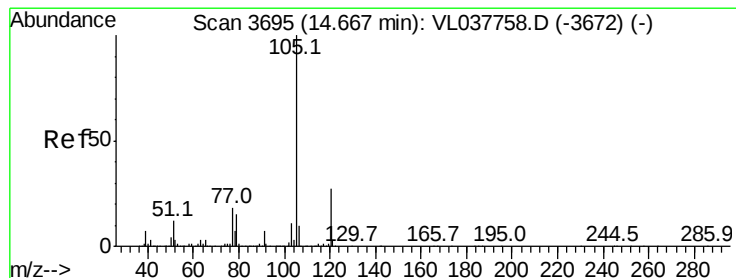
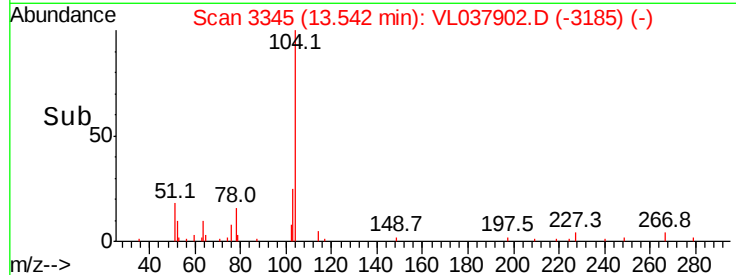
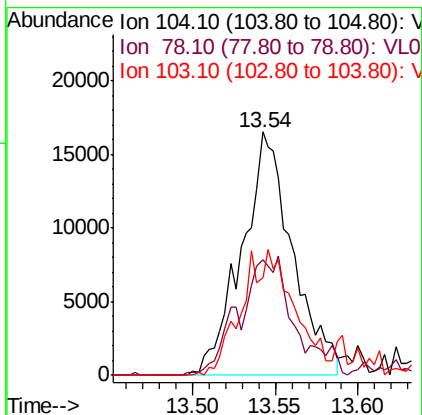
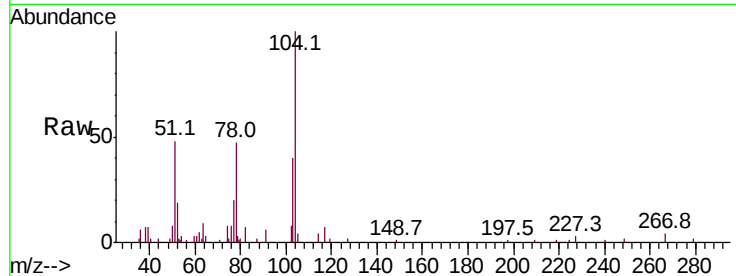
Tot Ion:1

Ion Rati

104 100

78 54.

103 58.



#62

Isopropylbenzene

Concen: 0.328 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. 0.02 min

Lab File: VL037902.D

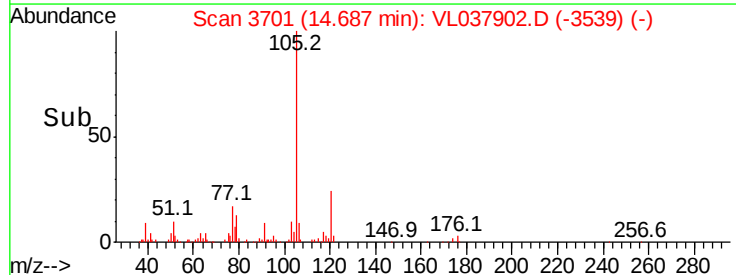
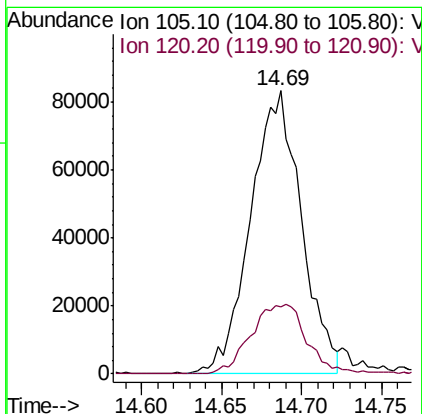
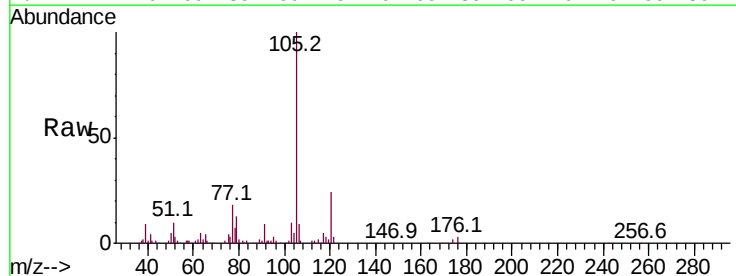
Acq: 25 Oct 2021 20:32

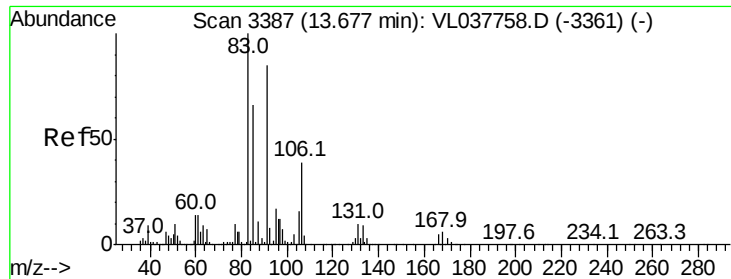
Tgt Ion:105 Resp: 181694

Ion Ratio Lower Upper

105 100

120 27.4 21.3 31.9





#63

1,1,2,2-Tetrachloroethane

Concen: 0.414 ppbv m

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

83 100

131 10.

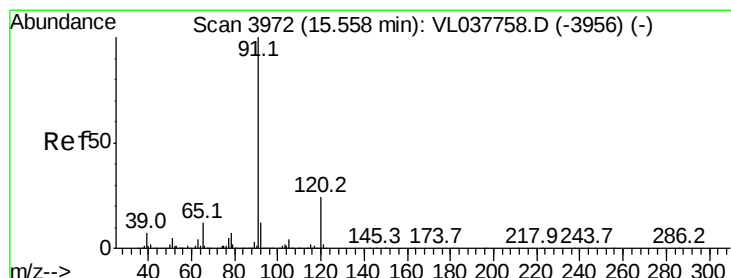
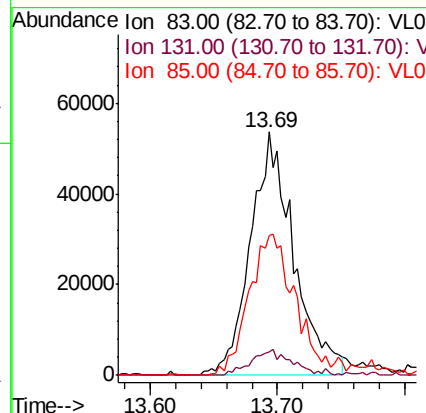
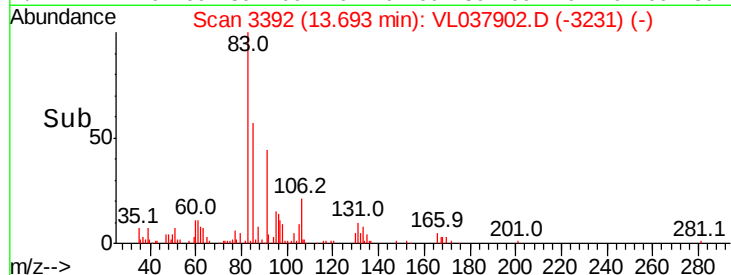
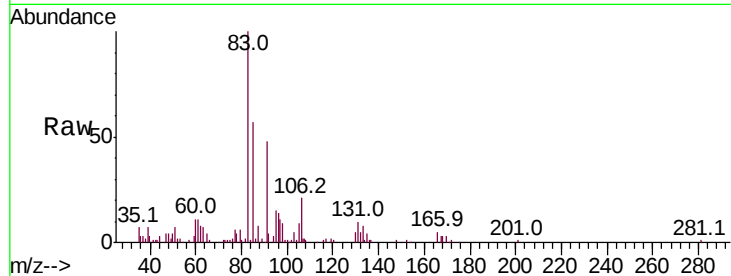
85 67.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#64

n-propylbenzene

Concen: 0.321 ppbv m

RT: 15.58 min Scan# 3978

Delta R.T. 0.02 min

Lab File: VL037902.D

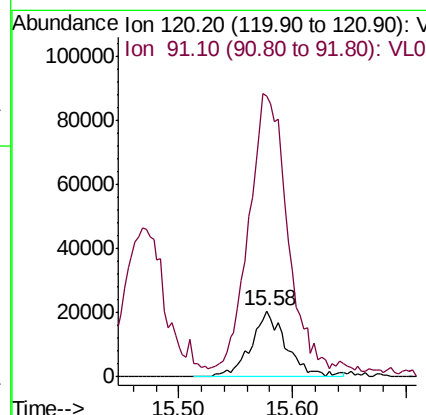
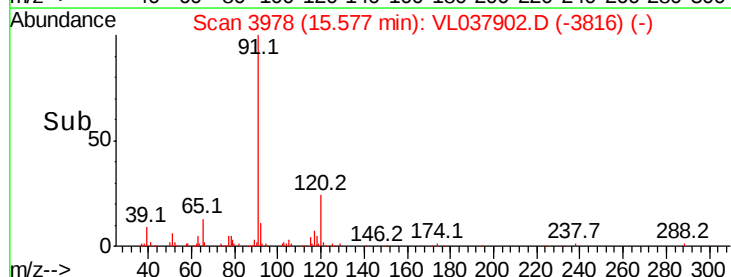
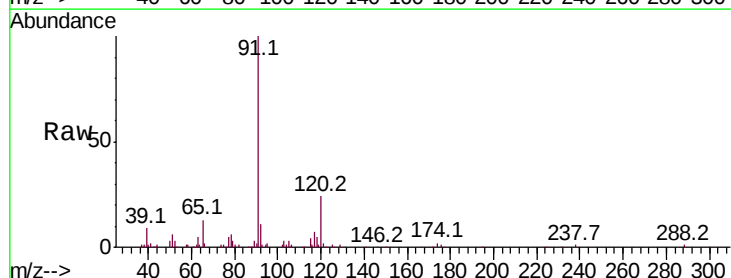
Acq: 25 Oct 2021 20:32

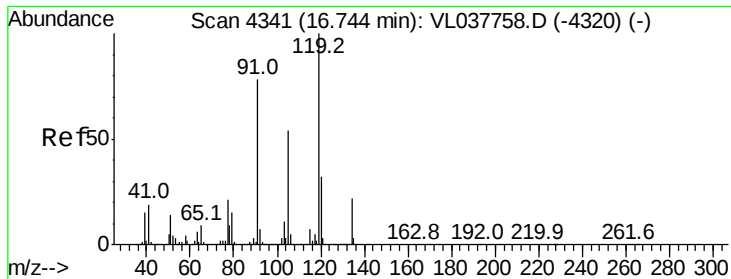
Tgt Ion:120 Resp: 44333

Ion Ratio Lower Upper

120 100

91 507.0 375.0 562.6



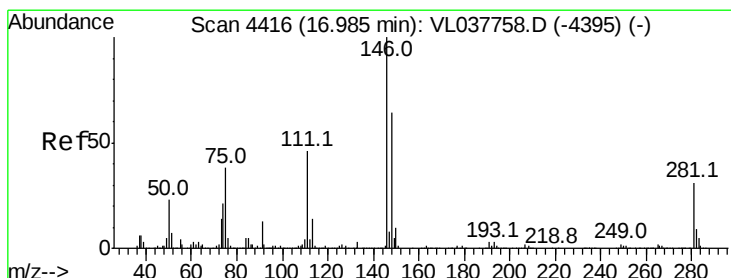
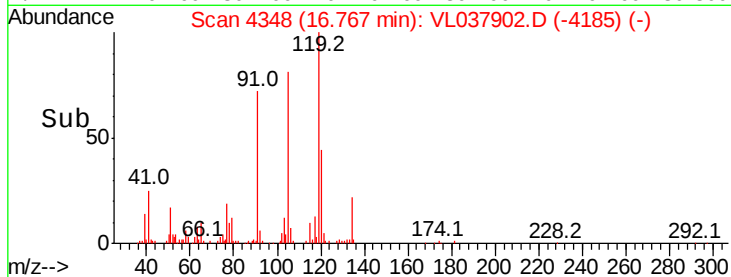
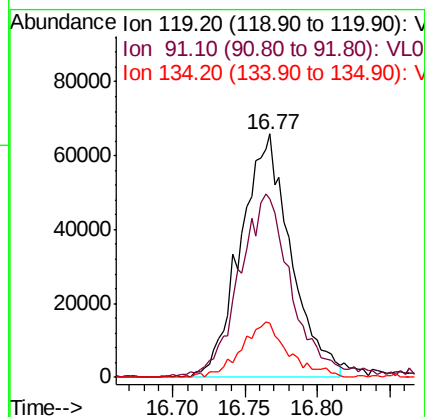
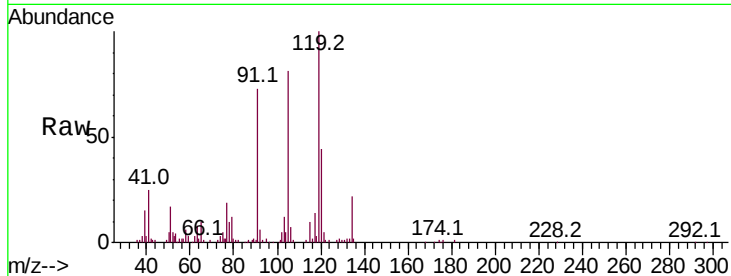


#65
 tert-Butylbenzene
 Concen: 0.327 ppbv
 RT: 16.77 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 20:32

Tot Ion: 1
 Ion Ratio
 119 100
 91 80.1
 134 21.1

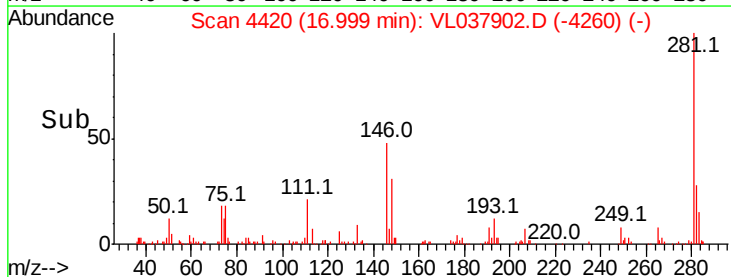
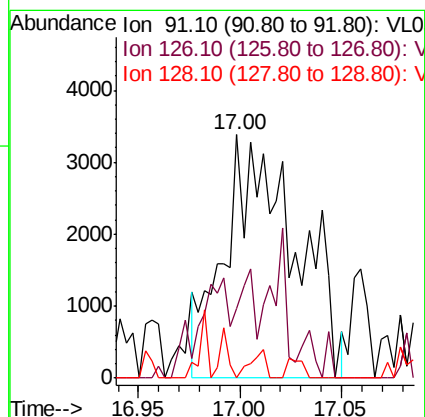
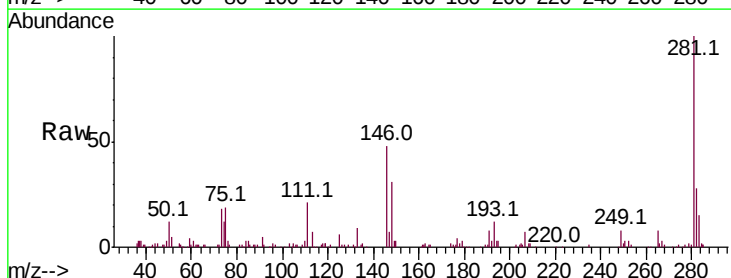
Manual Integrations
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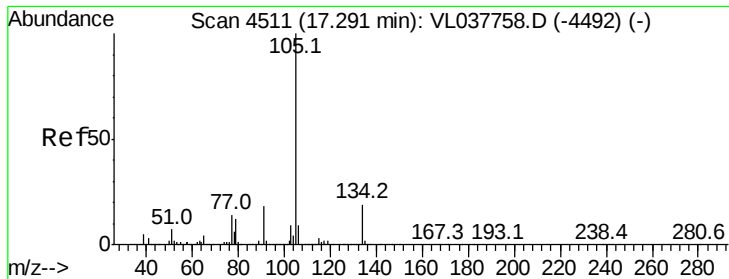
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#66
 Benzyl Chloride
 Concen: 0.340 ppbv m
 RT: 17.00 min Scan# 4420
 Delta R.T.: 0.01 min
 Lab File: VL037902.D
 Acq: 25 Oct 2021 20:32

Tgt Ion: 91 Resp: 8178
 Ion Ratio Lower Upper
 91 100
 126 0.0 0.0 0.0
 128 5.0 5.3 7.9#





#67

sec-Butylbenzene

Concen: 0.305 ppbv

RT: 17.31

Delta R.T. MSVOA_L

Lab File:

Acq: 25 Oct 2021 20:32

ClientSampleId :

MDL-AIR-03-QT4-2021

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

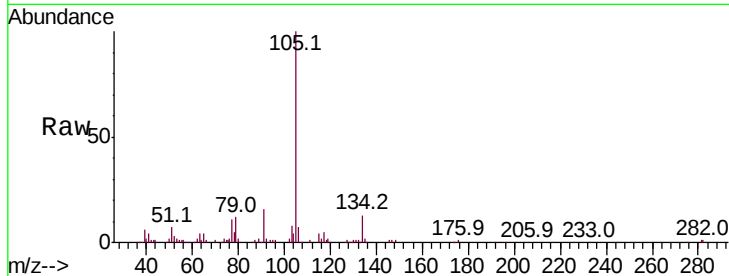
Supervised By :Mahesh Dadoda 10/27/2021

Tot Ion:1

Ion Rati

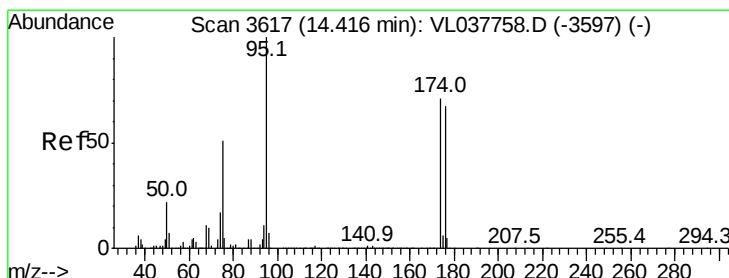
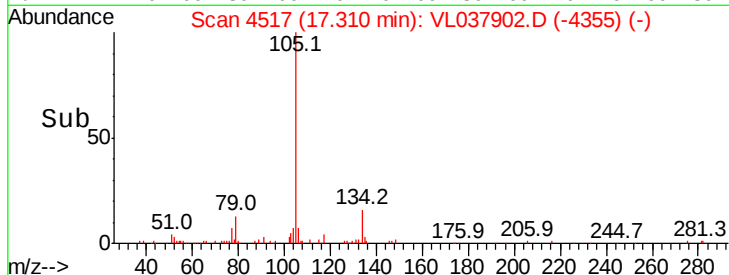
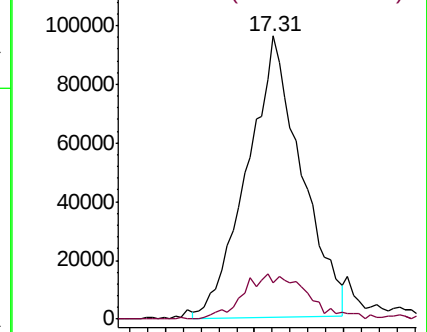
105 100

134 19.



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: 10.159 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.01 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

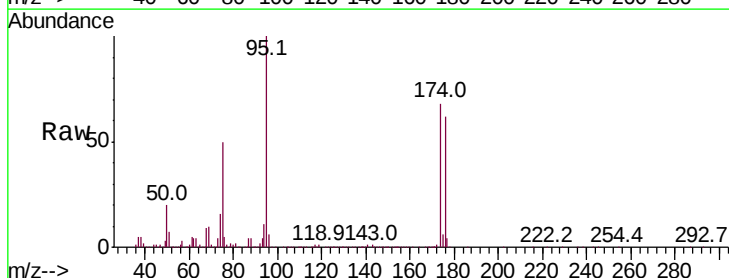
Tgt Ion: 95 Resp: 2551380

Ion Ratio Lower Upper

95 100

174 75.3 57.8 86.6

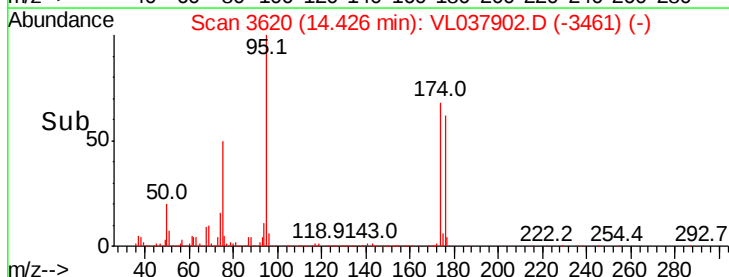
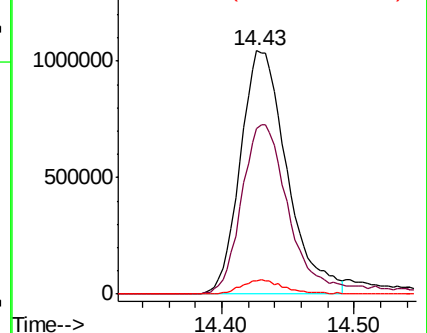
175 5.5 4.7 7.1

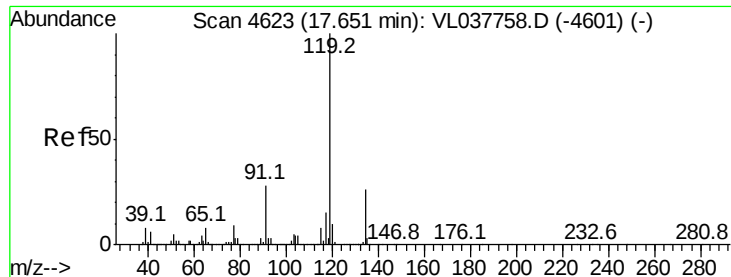


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



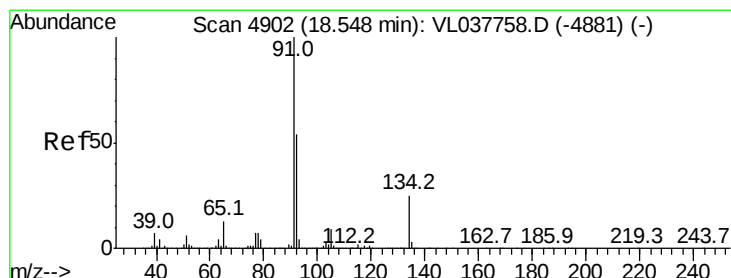
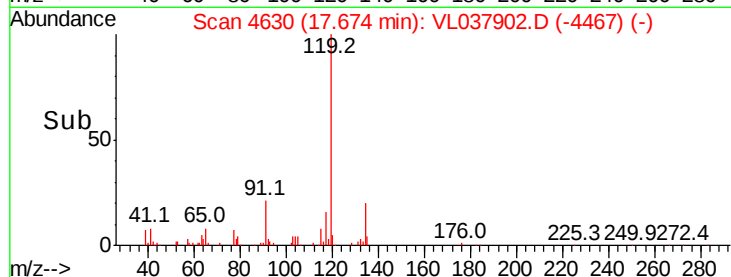
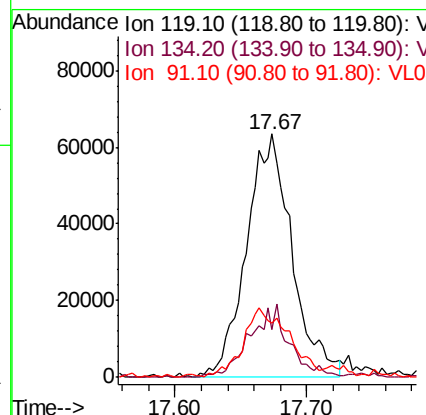
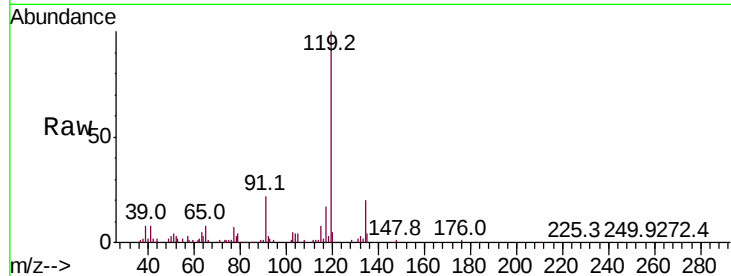


#69
 p-Isopropyltoluene
 Concen: 0.283 ppbv m
 RT: 17.67
 Instrument: MSVOA_1
 Delta R.T.
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion: 1
 Ion Ratio
 119 100
 134 26.
 91 0.

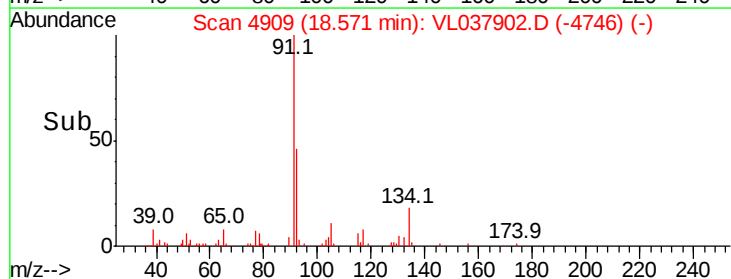
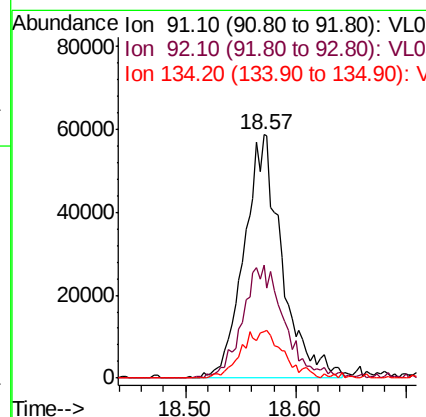
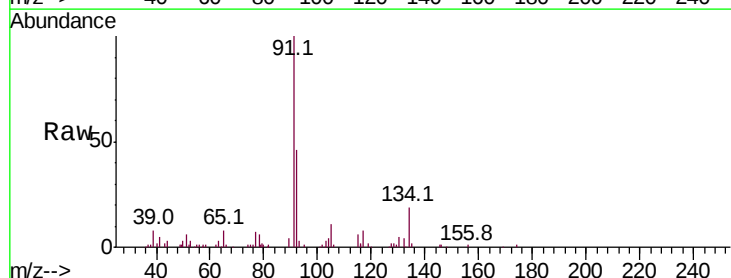
Manual Integrations
 APPROVED

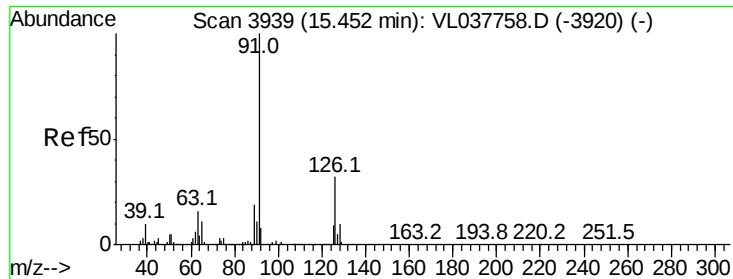
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#70
 n-Butylbenzene
 Concen: 0.273 ppbv m
 RT: 18.57 min Scan# 4909
 Delta R.T. 0.02 min
 Lab File: VL037902.D
 Acq: 25 Oct 2021 20:32

Tgt Ion: 91 Resp: 139860
 Ion Ratio Lower Upper
 91 100
 92 51.5 43.4 65.0
 134 22.4 19.8 29.6



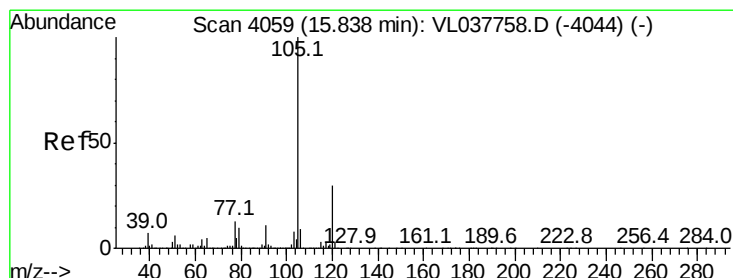
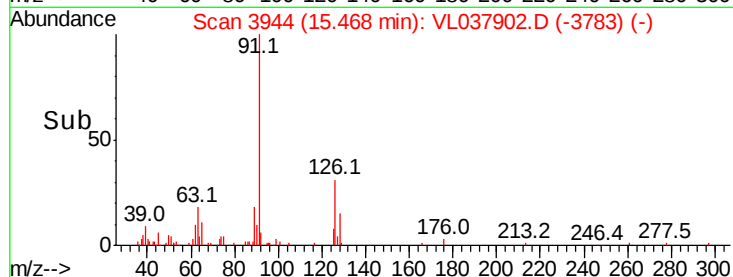
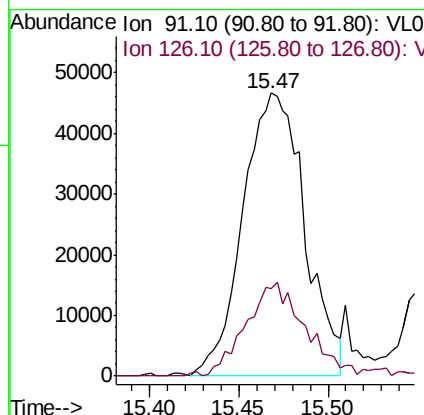
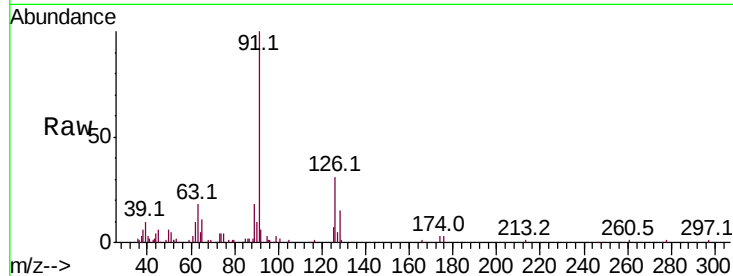


#71
2-Chlorotoluene
Concen: 0.288 ppbv
RT: 15.47
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Oct 2021 20:32

Tot Ion:
Ion Ratio
91 100
126 33.

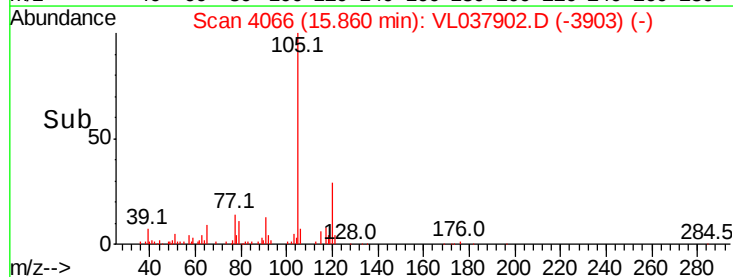
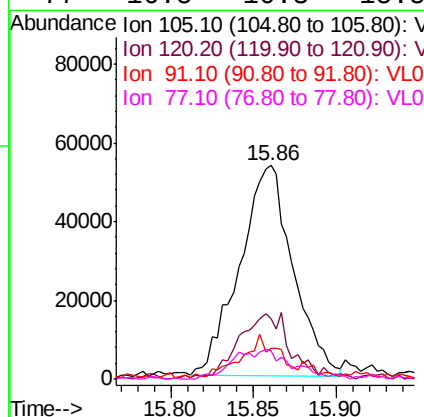
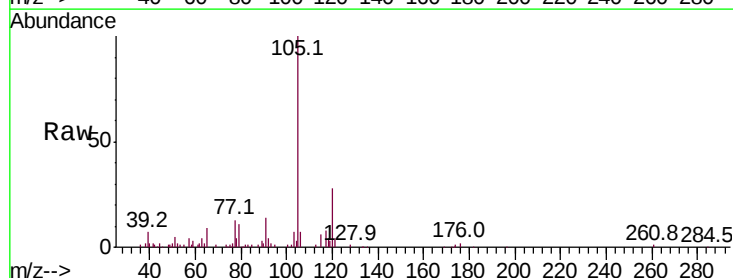
Manual Integrations
APPROVED

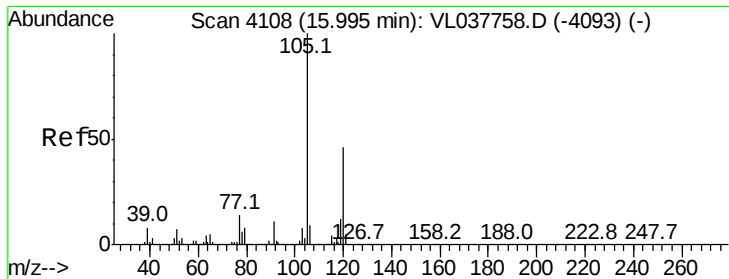
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#72
4-Ethyltoluene
Concen: 0.266 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. 0.02 min
Lab File: VL037902.D
Acq: 25 Oct 2021 20:32

Tgt Ion:105 Resp: 119690
Ion Ratio Lower Upper
105 100
120 31.8 24.2 36.2
91 18.2 10.4 15.6#
77 16.5 10.3 15.5#



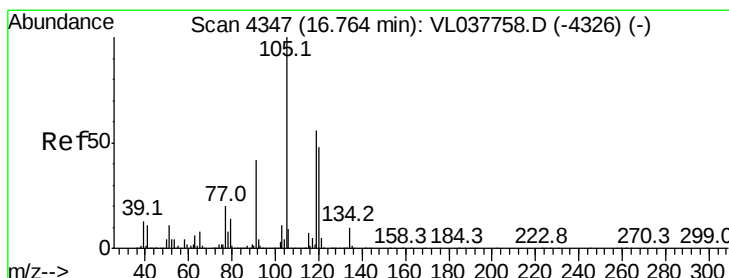
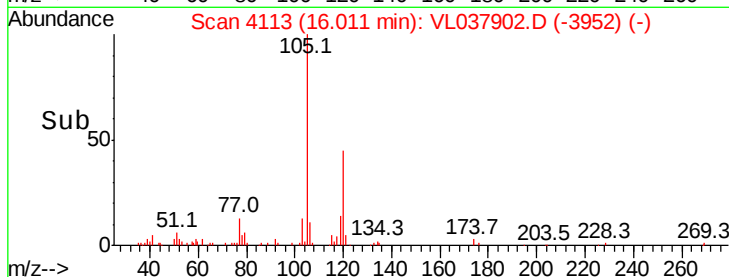
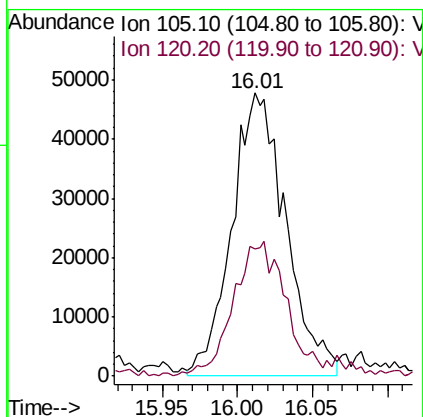
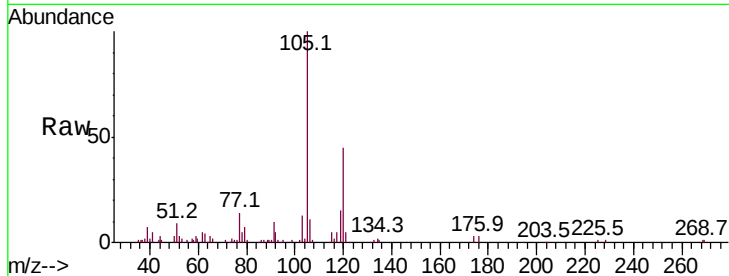


#73
 1,3,5-Trimethylbenzene
 Concen: 0.293 ppbv m
 RT: 16.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:1
 Ion Rati
 105 100
 120 45.

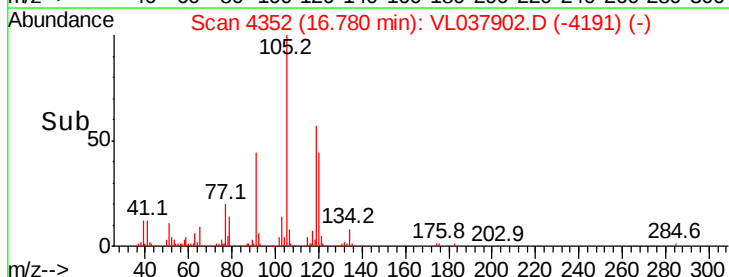
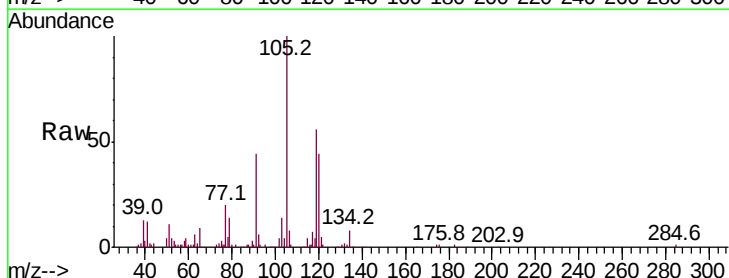
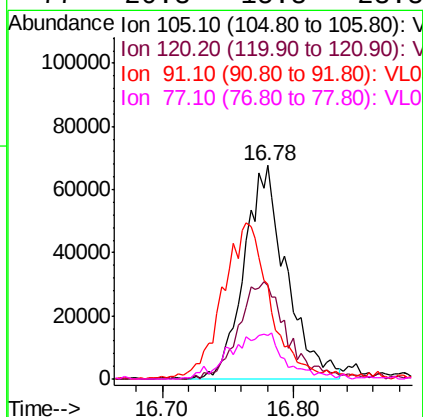
Manual Integrations
 APPROVED

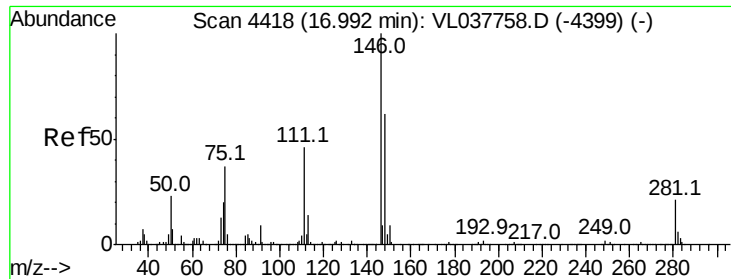
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 0.350 ppbv m
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.02 min
 Lab File: VL037902.D
 Acq: 25 Oct 2021 20:32

Tgt Ion:105 Resp: 150436
 Ion Ratio Lower Upper
 105 100
 120 43.5 38.4 57.6
 91 44.2 34.2 51.2
 77 20.3 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 0.400 ppbv m

RT: 17.02

Delta R.T. MSVOA_L

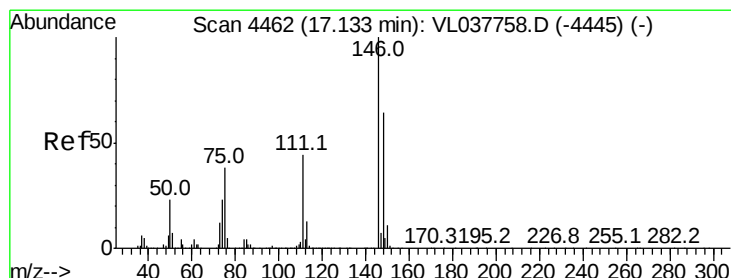
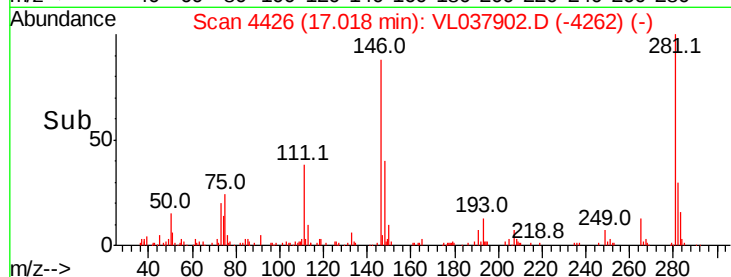
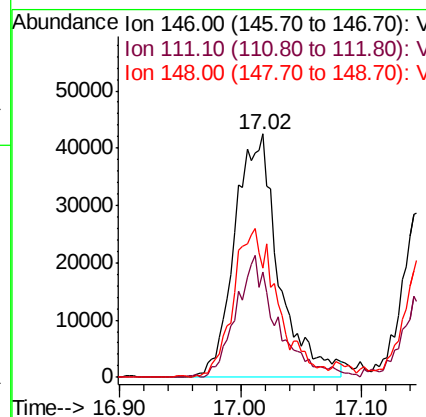
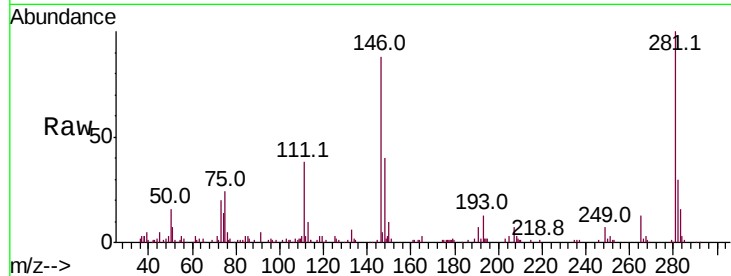
Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

Tot Ion:1
Ion Rati
146 100
111 46.
148 60.

Manual Integrations
APPROVED

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



#76

1,4-Dichlorobenzene

Concen: 0.344 ppbv m

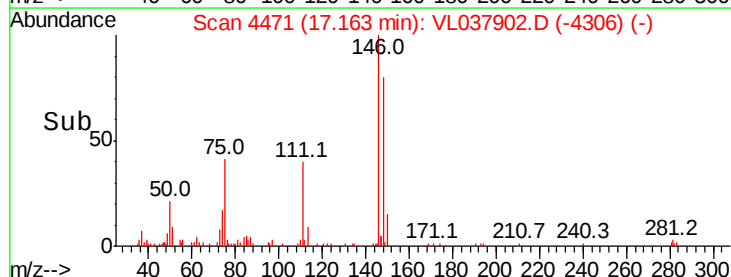
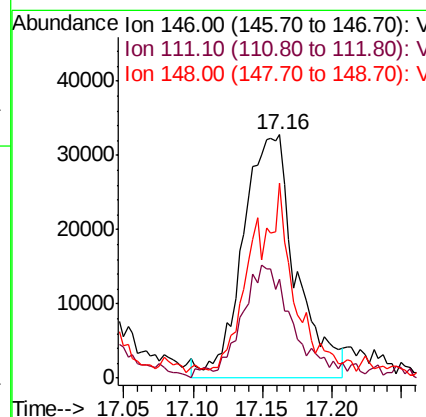
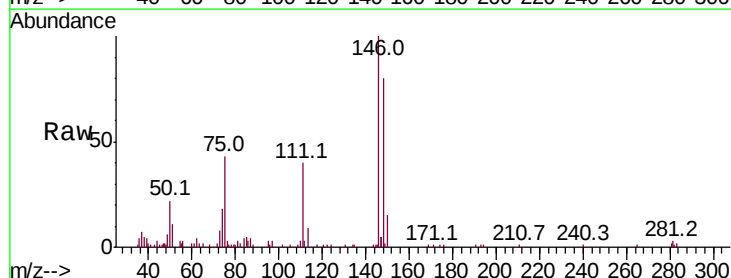
RT: 17.16 min Scan# 4471

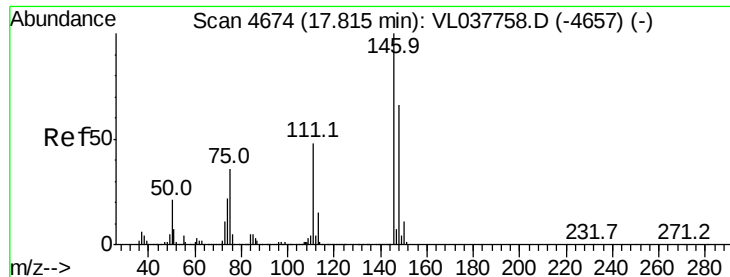
Delta R.T. 0.03 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

Tgt Ion:146 Resp: 87277
Ion Ratio Lower Upper
146 100
111 46.4 22.4 67.3
148 0.0 33.3 99.9#





#77

1,2-Dichlorobenzene

Concen: 0.366 ppbv m

RT: 17.83

Delta R.T. MSVOA_L

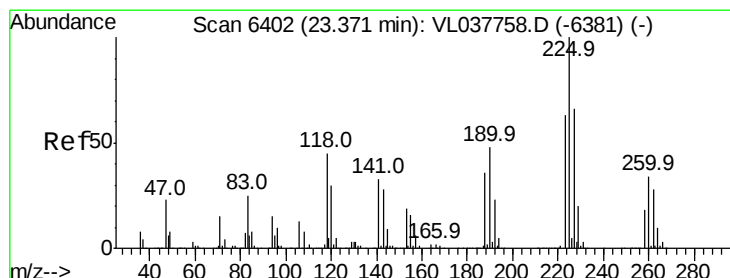
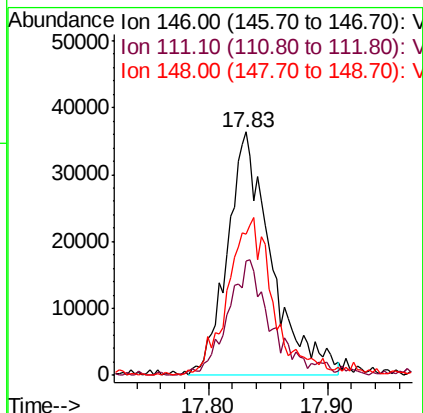
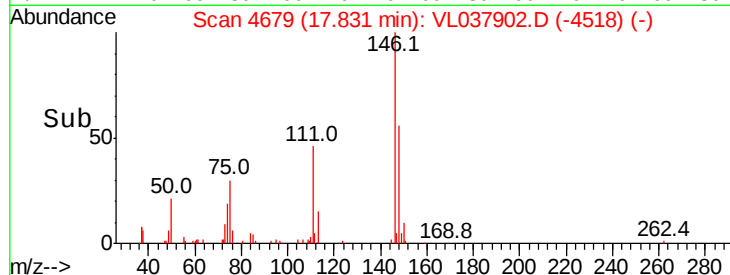
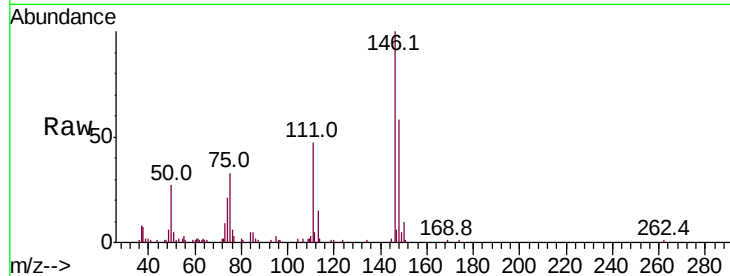
Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-QT4-2021

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

Manual Integrations
APPROVED

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



#78

Hexachloro-1,3-Butadiene

Concen: 0.412 ppbv m

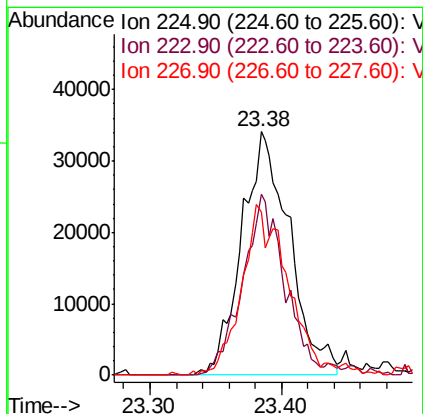
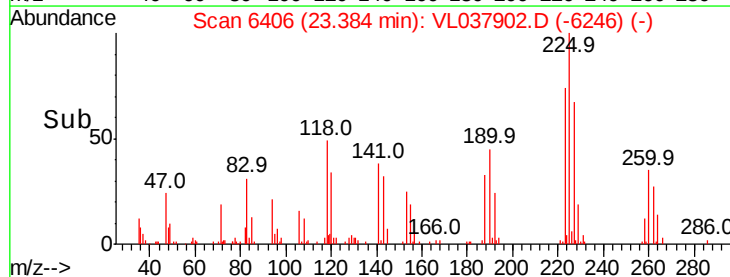
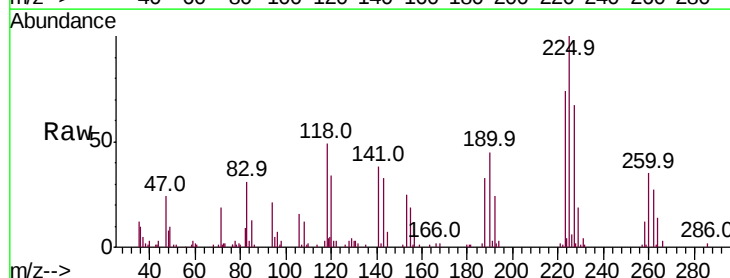
RT: 23.38 min Scan# 6406

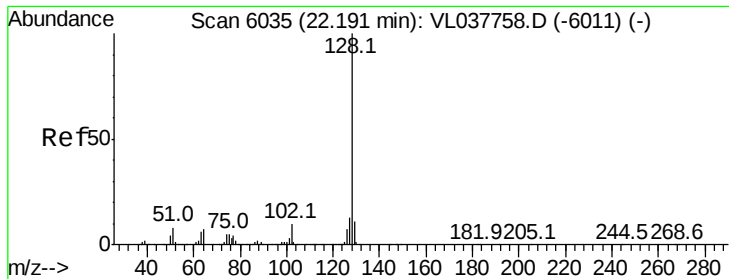
Delta R.T. 0.01 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

Tgt Ion:225 Resp: 86064
Ion Ratio Lower Upper
225 100
223 67.9 51.2 76.8
227 68.5 51.1 76.7





#79

Naphthalene

Concen: 0.174 ppbv m

RT: 22.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 20:32 MDL-AIR-03-OT4-2021

Tot Ion:1

Ion Rati

128 100

127 11.

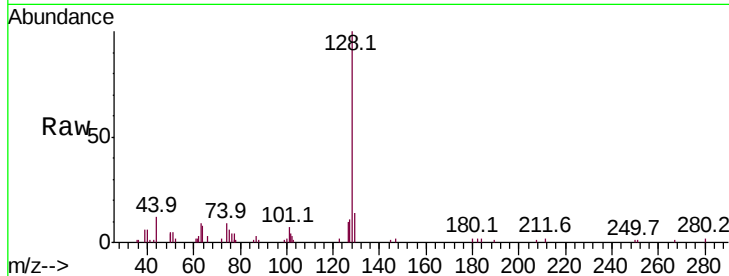
129 14.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

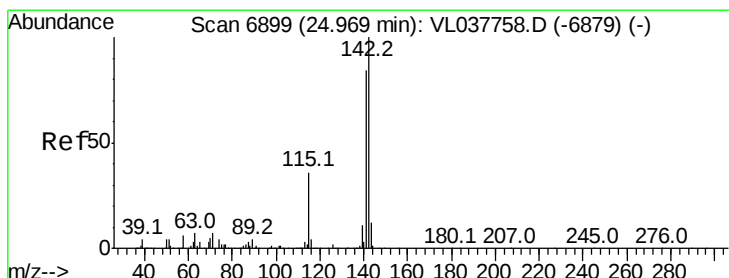
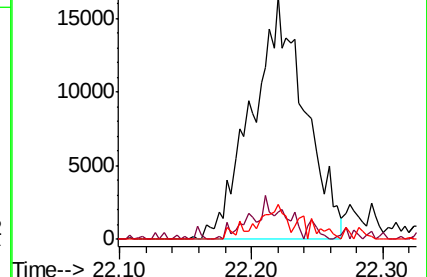
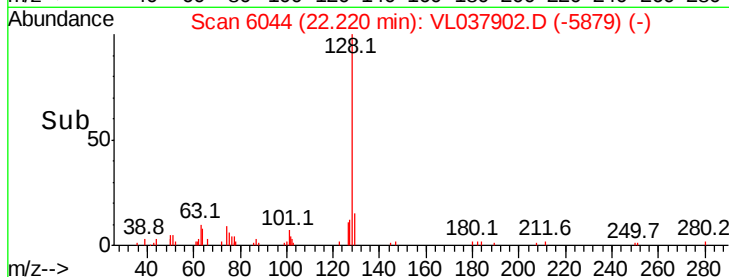
Supervised By :Mahesh Dadoda 10/27/2021



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.091 ppbv m

RT: 25.03 min Scan# 6917

Delta R.T. 0.06 min

Lab File: VL037902.D

Acq: 25 Oct 2021 20:32

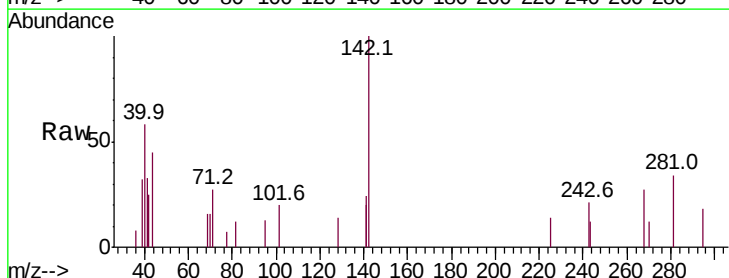
Tgt Ion:142 Resp: 6461

Ion Ratio Lower Upper

142 100

141 41.2 68.6 102.8#

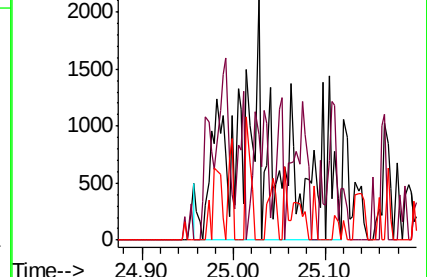
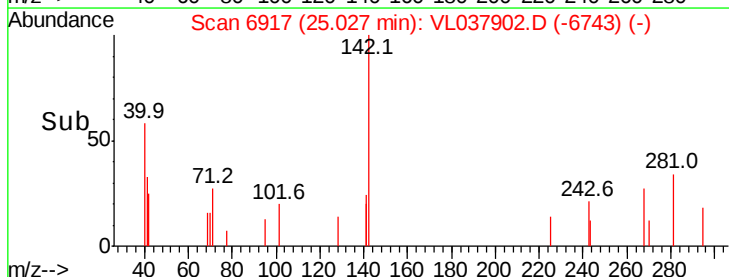
115 18.4 29.0 43.6#

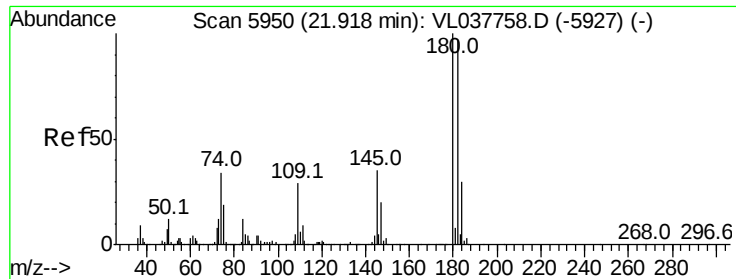


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.266 ppbv m
 RT: 21.94
 Delta R.T
 Lab File: ClientSampleId :
 Acq: 25 Oct 2021 20:52

Tot Ion:1
 Ion Rati
 180 100
 182 98.
 184 32.

Manual Integrations
 APPROVED

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

