

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102521\
 Data File : VL037905.D
 Acq On : 25 Oct 2021 22:23
 Operator : SY/AP
 Sample : M4068-15 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Quant Time: Oct 27 12:14:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1423144	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	4253123	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3606572	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2580090	10.23	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	119828	0.527 ppbv	95
3) Chlorodifluoromethane	3.00	51	131115	0.479 ppbv	97
4) Chloromethane	3.16	50	48393	0.483 ppbv	99
5) Vinyl Chloride	3.28	62	43210	0.471 ppbv	97
6) Bromomethane	3.49	94	23580m	0.475 ppbv	
7) Chloroethane	3.57	64	16496m	0.489 ppbv	
8) Dichlorotetrafluoroethane	3.20	85	118780	0.529 ppbv	95
9) Propene	3.02	41	40409m	0.402 ppbv	
10) Heptane	8.14	43	79596m	0.348 ppbv	
11) Trichlorofluoromethane	3.96	101	92538	0.456 ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.50	101	73951m	0.481 ppbv	
13) Ethanol	3.64	45	3800m	0.462 ppbv	
14) Bromoethene	3.76	108	28020	0.415 ppbv #	89
15) Acetone	3.89	43	65336m	0.511 ppbv	
16) 1,3-Butadiene	3.35	39	38649m	0.416 ppbv	
17) tert-Butyl alcohol	4.33	59	54554m	0.415 ppbv	
18) 1,1-Dichloroethene	4.30	96	32195m	0.461 ppbv	
19) Isopropyl Alcohol	4.01	45	32739m	0.412 ppbv	
20) Methylene Chloride	4.36	84	36273	0.562 ppbv #	89
21) Allyl Chloride	4.43	41	40900	0.361 ppbv #	78
22) trans-1,2-Dichloroethene	4.90	96	30519m	0.435 ppbv	
23) Vinyl Acetate	5.11	43	78643m	0.411 ppbv	
24) 1,1-Dichloroethane	5.03	63	71071	0.510 ppbv	98
25) Ethyl Acetate	5.71	43	136643	0.381 ppbv #	95
26) Hexane	5.70	57	60088	0.340 ppbv #	73
27) Carbon Disulfide	4.57	76	55677	0.356 ppbv	96
28) Methyl tert-Butyl Ether	5.07	73	65095	0.443 ppbv	91
29) Chloroform	5.77	83	114641	0.454 ppbv	97
30) Cyclohexane	7.16	84	60569m	0.405 ppbv	
31) cis-1,2-Dichloroethene	5.57	61	53304	0.333 ppbv	94
32) 1,1,1-Trichloroethane	6.53	97	102357	0.428 ppbv	94
34) 2-Butanone	5.29	43	64414m	0.375 ppbv	
35) Carbon Tetrachloride	7.03	117	105524	0.437 ppbv #	93
36) Benzene	6.91	78	121606	0.335 ppbv #	92
37) 1,2-Dichloroethane	6.33	62	72004m	0.421 ppbv	
38) Trichloroethene	7.85	130	52023	0.362 ppbv	96
39) 1,2-Dichloropropane	7.64	63	54168m	0.396 ppbv	
40) 1,4-Dioxane	7.90	88	13220m	0.387 ppbv	
41) Tetrahydrofuran	6.10	42	21743m	0.259 ppbv	
42) Bromodichloromethane	7.81	83	104598m	0.416 ppbv	
43) Methyl Methacrylate	8.05	69	32412m	0.273 ppbv	

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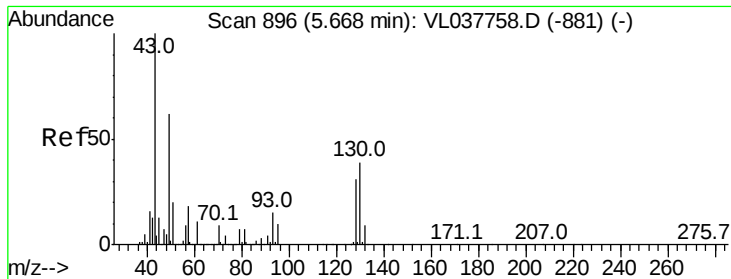
Reviewed By : Semsettin Yesilyurt 10/27/2021
 Supervised By : Mahesh Dadoda 10/27/2021

Quant Time: Oct 27 12:14:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	215166	0.353	ppbv #	88
45) t-1,3-Dichloropropene	9.30	75	22283m	0.273	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	31360m	0.277	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	61002m	0.411	ppbv	
48) Dibromochloromethane	10.33	129	74625	0.352	ppbv	94
49) Bromoform	13.06	173	50717	0.313	ppbv #	84
50) 4-Methyl-2-Pentanone	8.79	43	63538m	0.284	ppbv	
51) 2-Hexanone	10.19	43	24940m	0.250	ppbv	
52) Tetrachloroethene	11.24	164	50775m	0.359	ppbv	
53) Toluene	9.82	91	100676	0.250	ppbv	98
54) 1,2-Dibromoethane	10.63	107	65592	0.327	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	70025m	0.469	ppbv	
57) Chlorobenzene	12.16	112	139829	0.473	ppbv	91
58) Ethyl Benzene	12.73	91	140356	0.290	ppbv	94
59) m/p-Xylene	13.01	91	284581m	0.685	ppbv	
60) o-Xylene	13.71	91	135123m	0.339	ppbv	
61) Styrene	13.55	104	39687m	0.206	ppbv	
62) Isopropylbenzene	14.69	105	220275m	0.396	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	132960	0.432	ppbv	95
64) n-propylbenzene	15.58	120	47214	0.341	ppbv	75
65) tert-Butylbenzene	16.76	119	170660	0.349	ppbv	90
66) Benzyl Chloride	17.00	91	10246m	0.425	ppbv	
67) sec-Butylbenzene	17.31	105	239652	0.358	ppbv	99
69) p-Isopropyltoluene	17.68	119	171399m	0.317	ppbv	
70) n-Butylbenzene	18.57	91	153189	0.298	ppbv	99
71) 2-Chlorotoluene	15.47	91	127546m	0.325	ppbv	
72) 4-Ethyltoluene	15.86	105	129755	0.287	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.01	105	135130	0.329	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	165055m	0.383	ppbv	
75) 1,3-Dichlorobenzene	17.01	146	116232m	0.435	ppbv	
76) 1,4-Dichlorobenzene	17.16	146	96169m	0.377	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	103585m	0.403	ppbv	
78) Hexachloro-1,3-Butadiene	23.39	225	105401m	0.503	ppbv	
79) Naphthalene	22.22	128	54113m	0.205	ppbv	
80) Naphthalene, 2-methyl-	24.98	142	6917m	0.097	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	49040m	0.290	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

49 100

128 53.

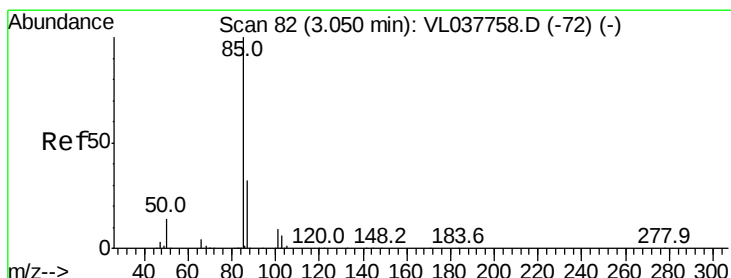
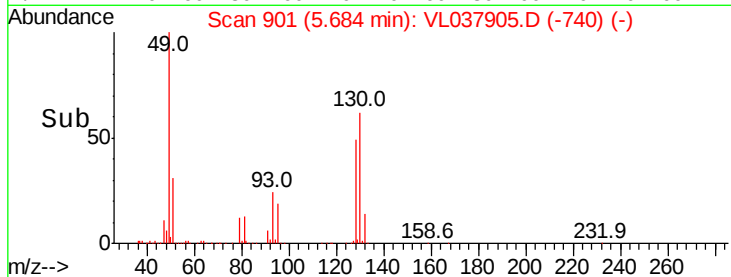
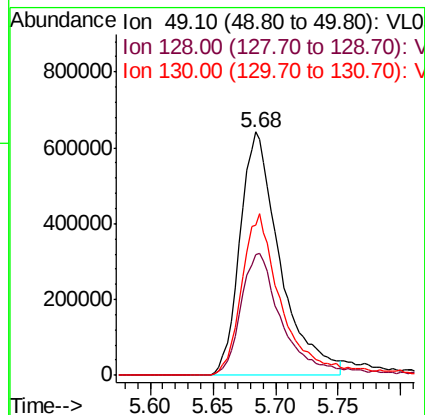
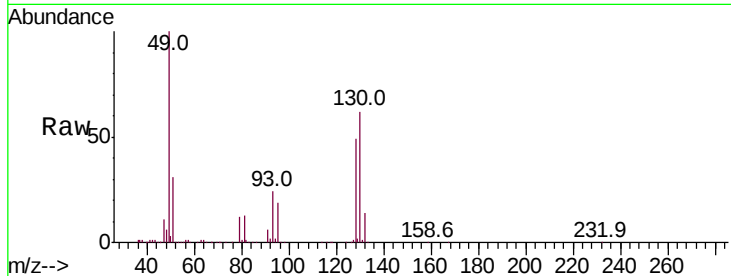
130 68.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/27/2021



#2

Dichlorodifluoromethane

Concen: 0.527 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL037905.D

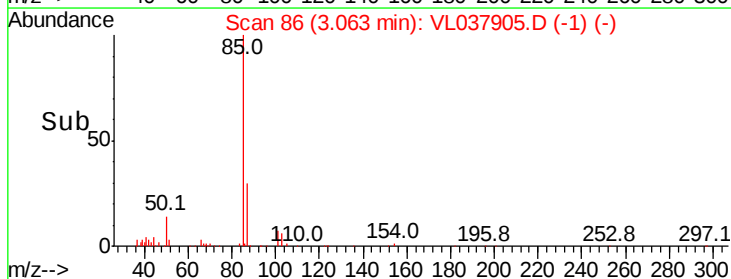
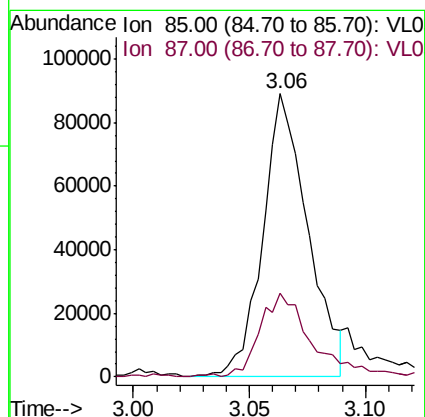
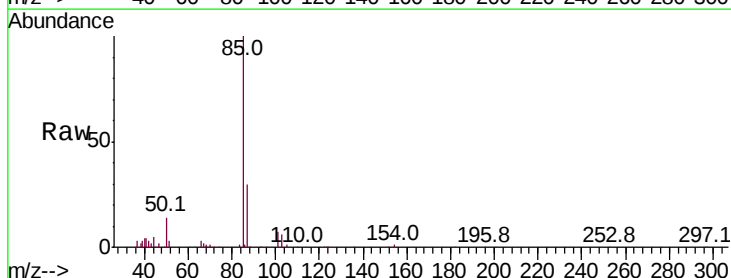
Acq: 25 Oct 2021 22:23

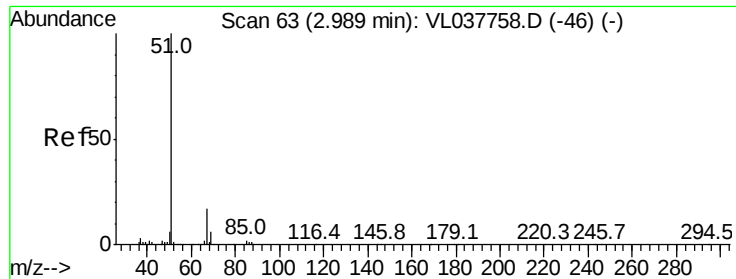
Tgt Ion: 85 Resp: 119828

Ion Ratio Lower Upper

85 100

87 29.5 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.479 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

51 100

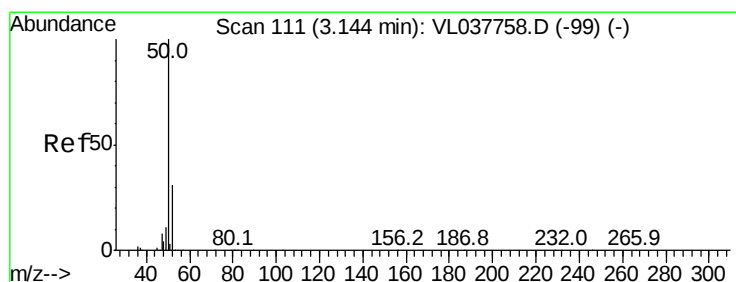
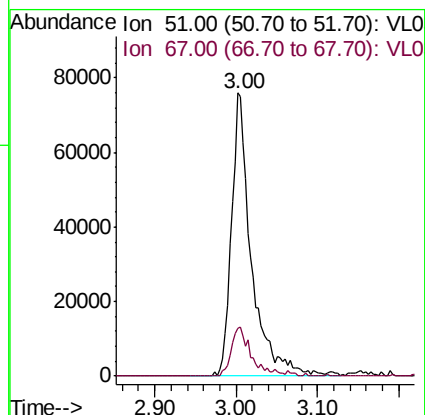
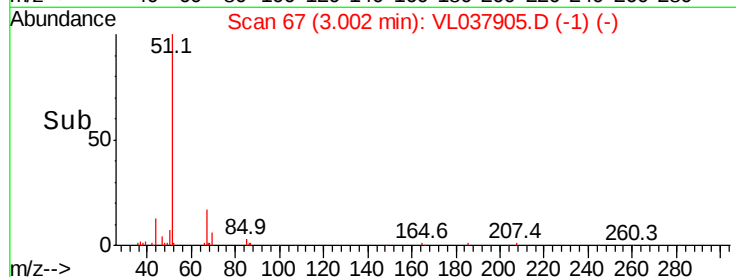
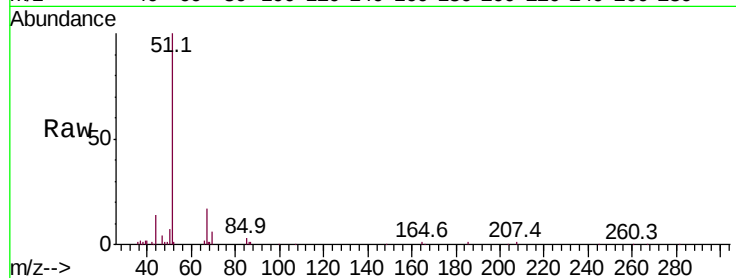
67 18.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#4

Chloromethane

Concen: 0.483 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL037905.D

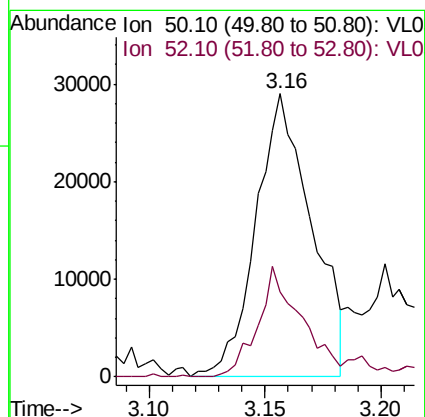
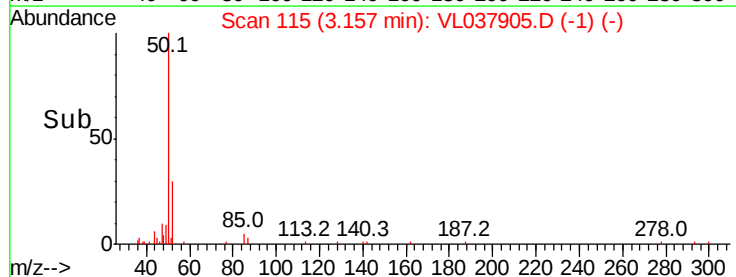
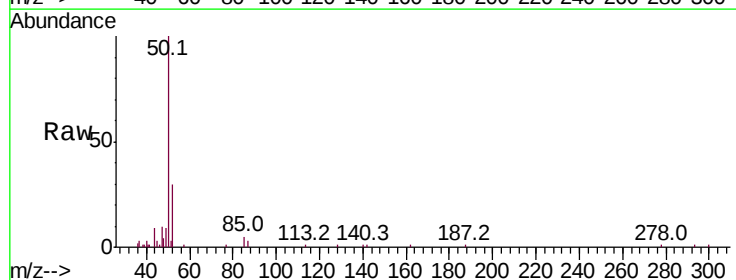
Acq: 25 Oct 2021 22:23

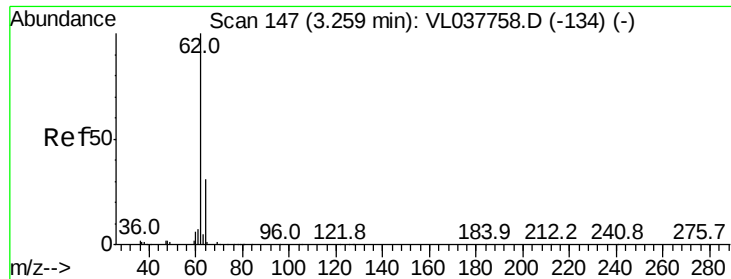
Tgt Ion: 50 Resp: 48393

Ion Ratio Lower Upper

50 100

52 29.9 24.4 36.6





#5

Vinyl Chloride

Concen: 0.471 ppbv

RT: 3.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

62 100

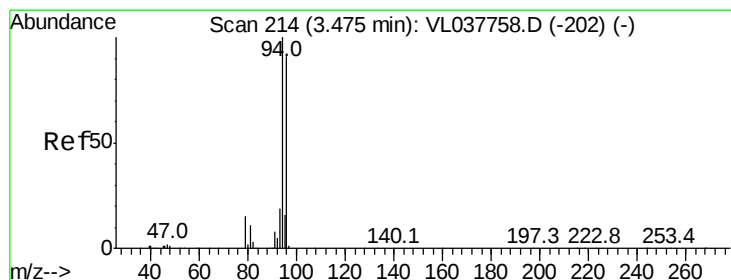
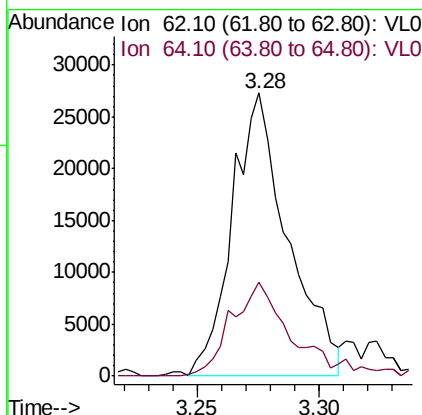
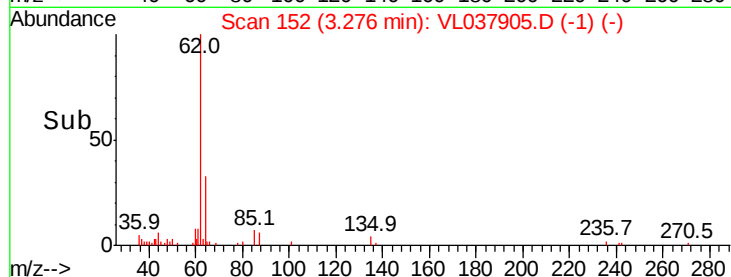
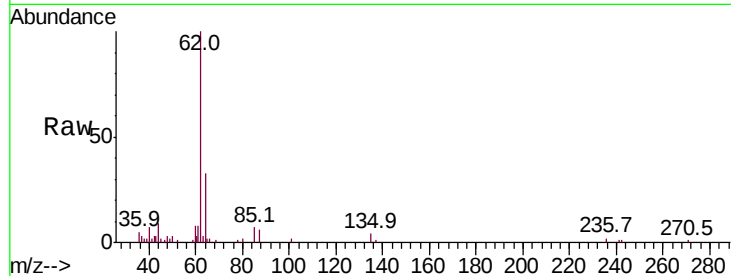
64 32.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/27/2021



#6

Bromomethane

Concen: 0.475 ppbv m

RT: 3.49 min Scan# 219

Delta R.T. 0.02 min

Lab File: VL037905.D

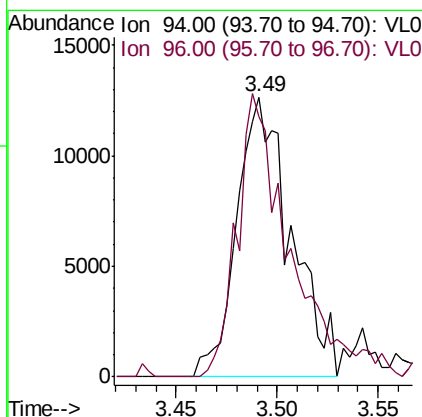
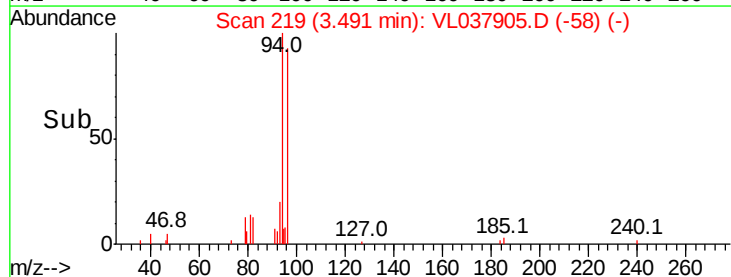
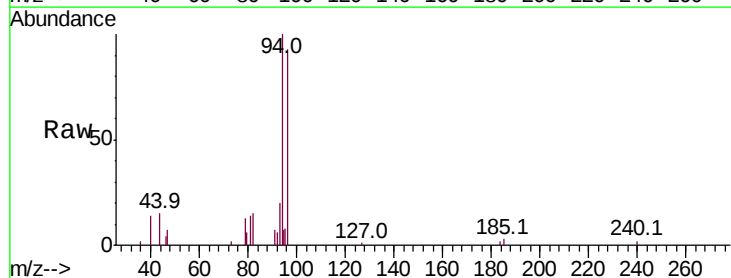
Acq: 25 Oct 2021 22:23

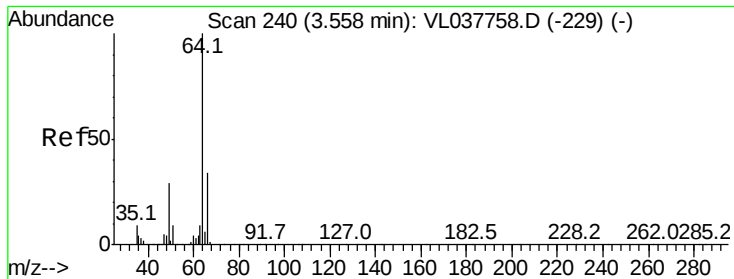
Tgt Ion: 94 Resp: 23580

Ion Ratio Lower Upper

94 100

96 92.9 72.5 108.7





#7

Chloroethane

Concen: 0.489 ppbv m

RT: 3.57 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

64 100

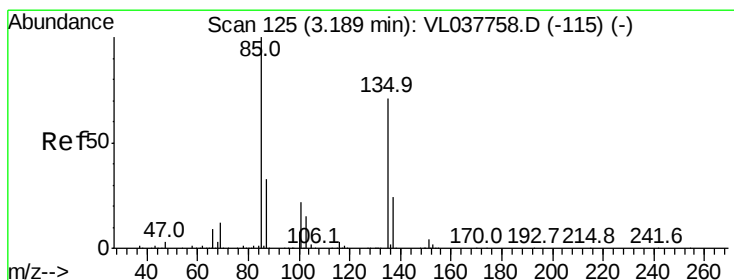
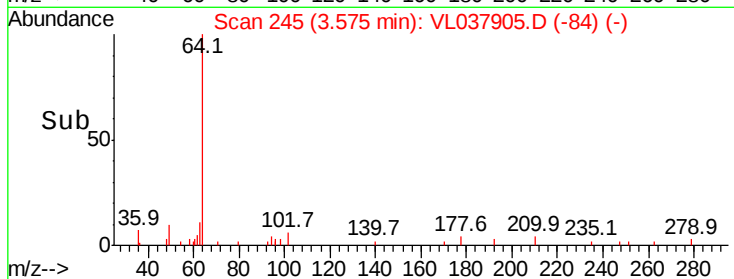
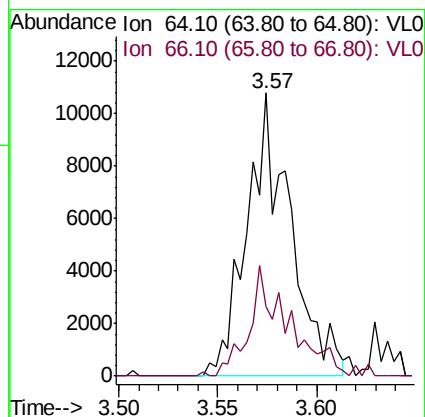
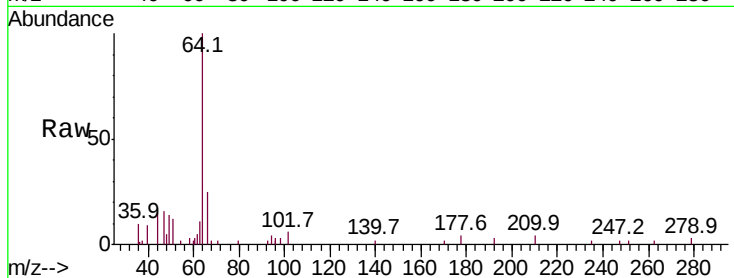
66 24.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/27/2021



#8

Dichlorotetrafluoroethane

Concen: 0.529 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL037905.D

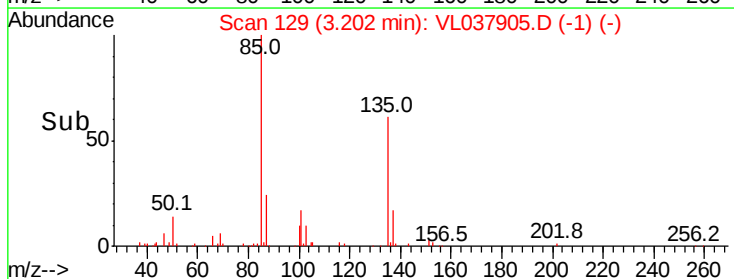
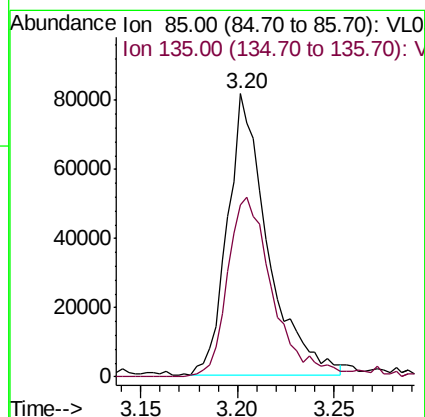
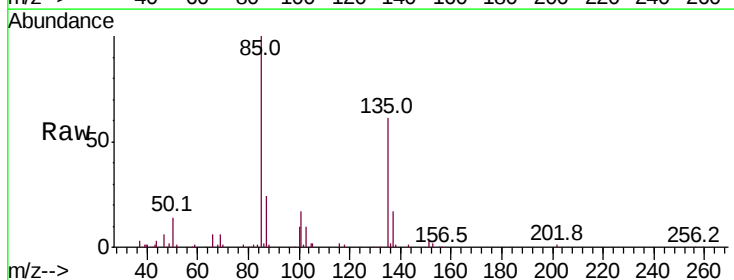
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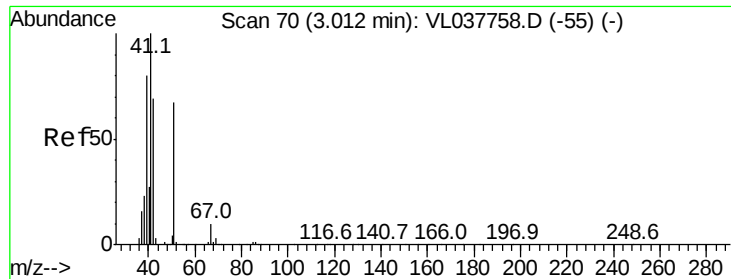
Tgt Ion: 85 Resp: 118780

Ion Ratio Lower Upper

85 100

135 70.3 59.5 89.3





#9

Propene

Concen: 0.402 ppbv m

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

41 100

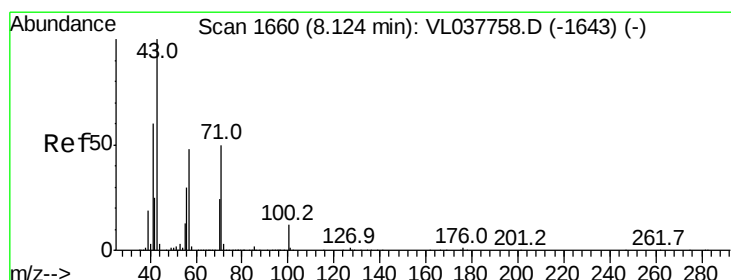
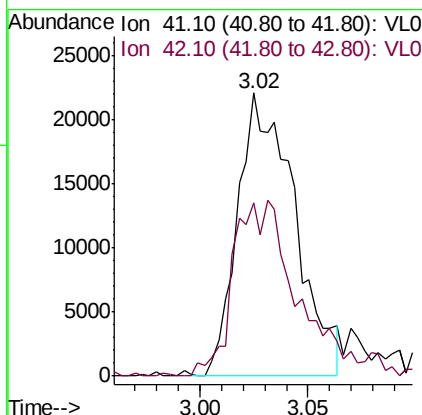
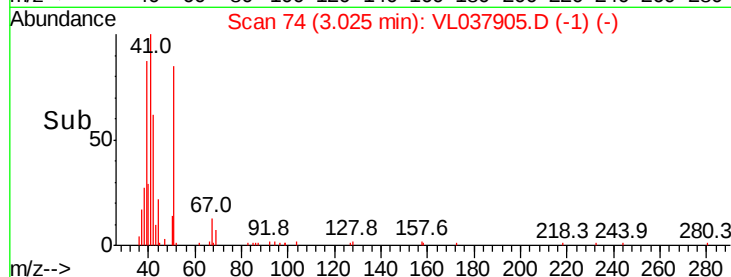
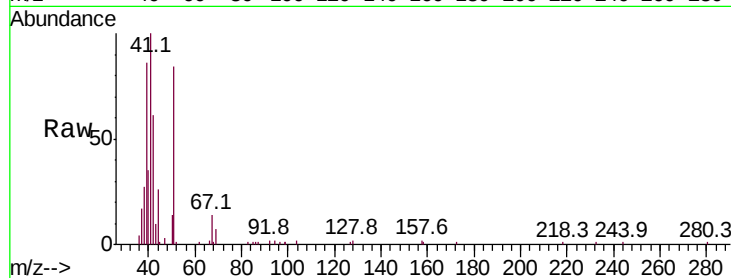
42 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#10

Heptane

Concen: 0.348 ppbv m

RT: 8.14 min Scan# 1665

Delta R.T. 0.02 min

Lab File: VL037905.D

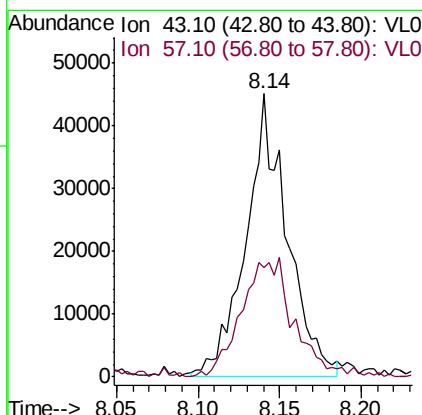
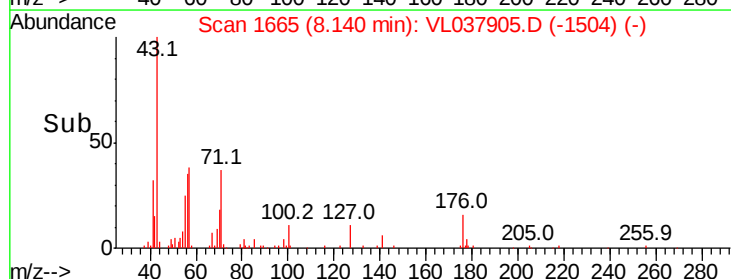
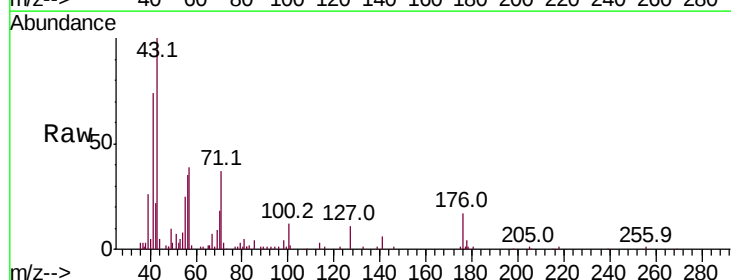
Acq: 25 Oct 2021 22:23

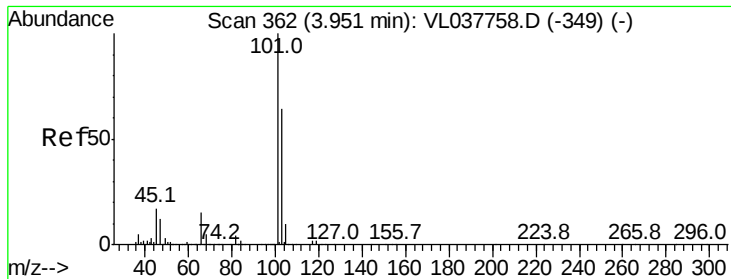
Tgt Ion: 43 Resp: 79596

Ion Ratio Lower Upper

43 100

57 53.1 40.0 60.0





#11

Trichlorofluoromethane

Concen: 0.456 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:1

Ion Rati

101 100

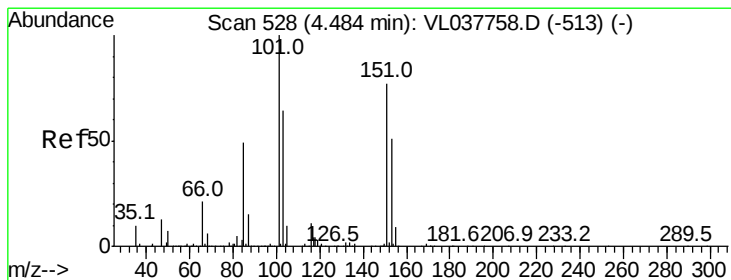
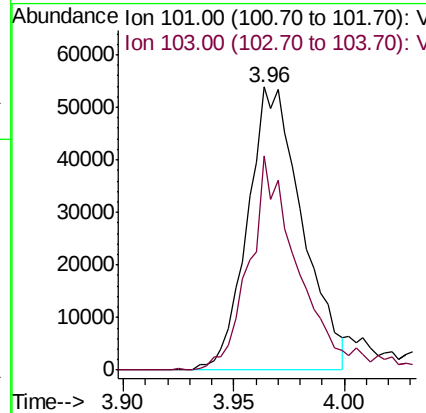
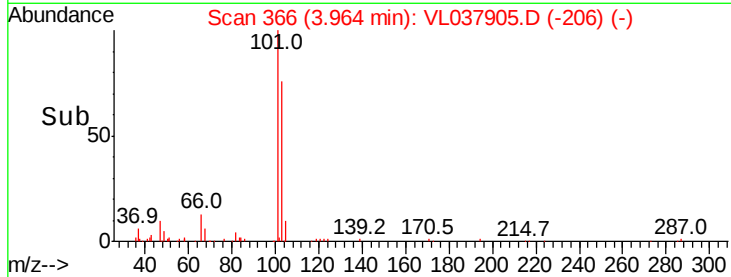
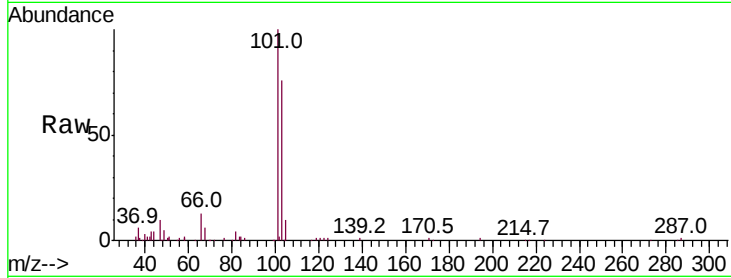
103 75.

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: 0.481 ppbv m

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL037905.D

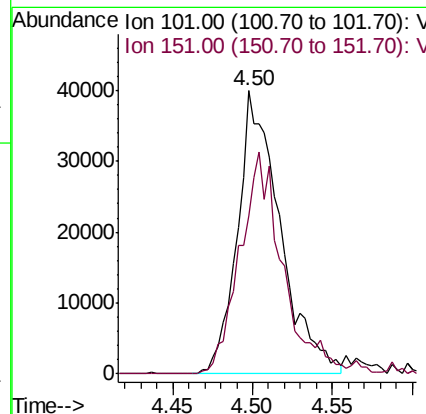
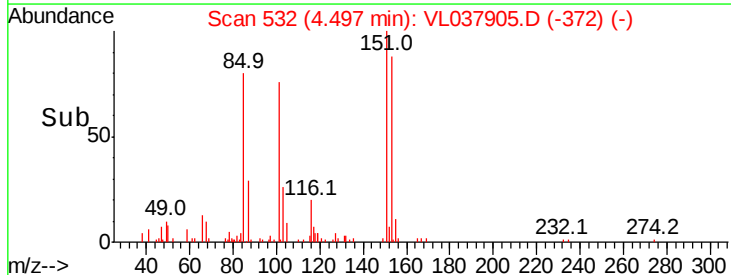
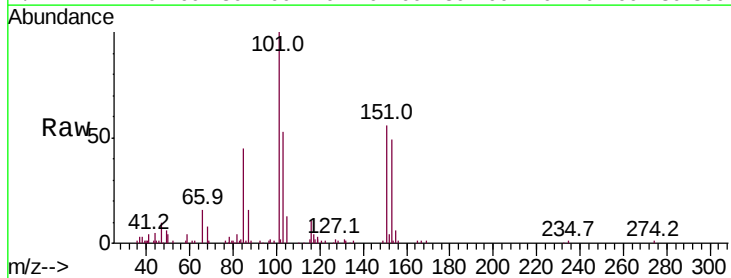
Acq: 25 Oct 2021 22:23

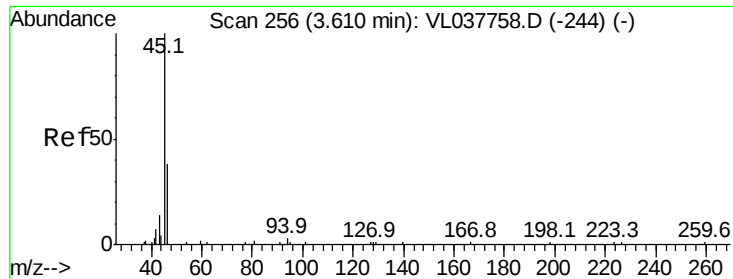
Tgt Ion:101 Resp: 73951

Ion Ratio Lower Upper

101 100

151 81.6 62.9 94.3





#13

Ethanol

Concen: 0.462 ppbv m

RT: 3.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

45 100

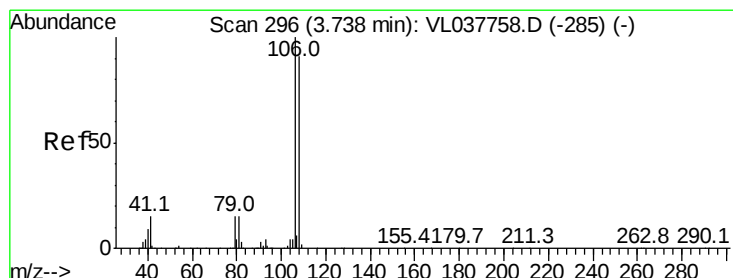
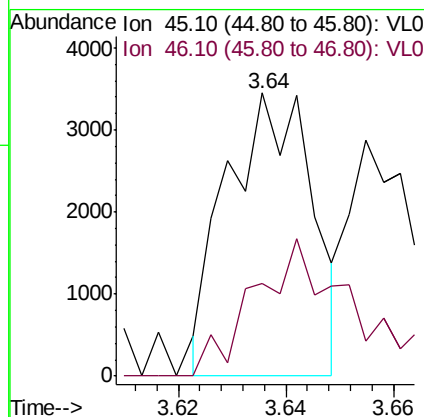
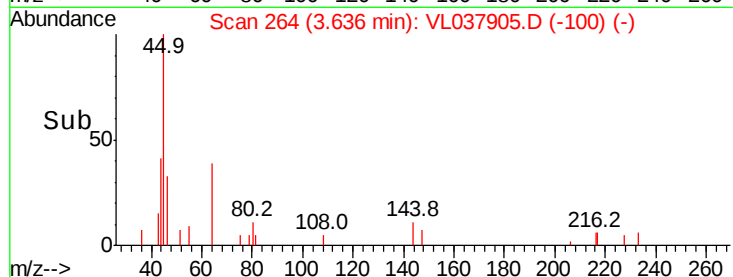
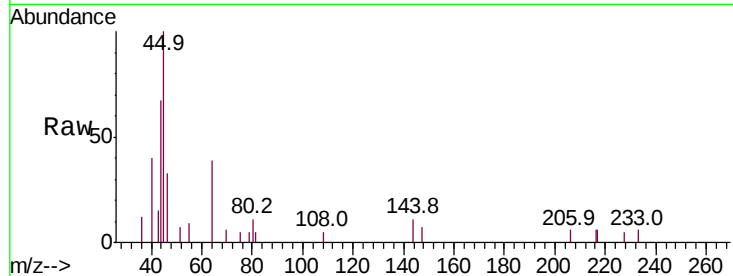
46 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#14

Bromoethene

Concen: 0.415 ppbv

RT: 3.76 min Scan# 302

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

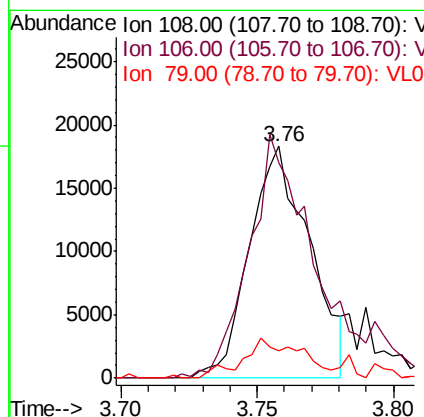
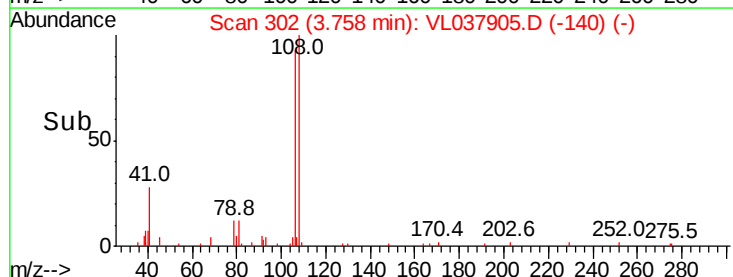
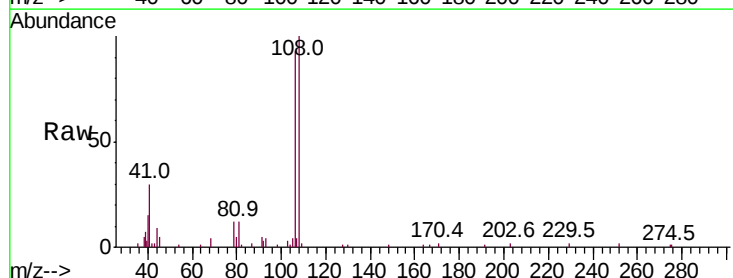
Tgt Ion:108 Resp: 28020

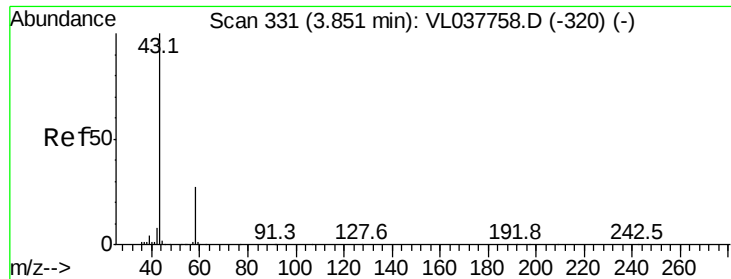
Ion Ratio Lower Upper

108 100

106 127.6 91.9 137.9

79 21.7 13.9 20.9#





#15

Acetone

Concen: 0.511 ppbv m

RT: 3.89 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

43 100

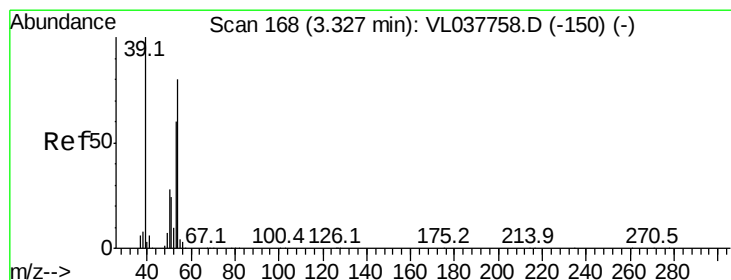
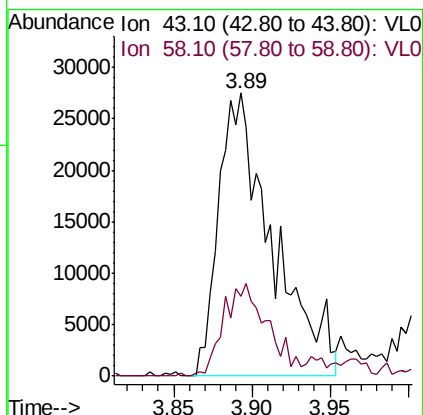
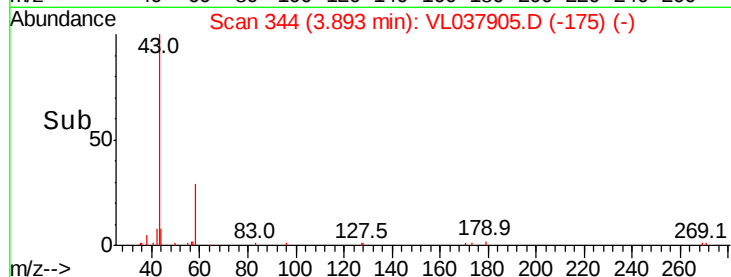
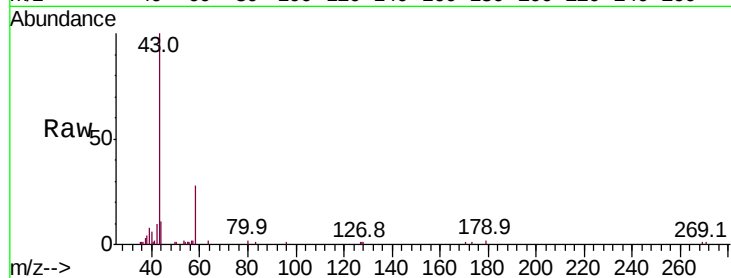
58 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#16

1,3-Butadiene

Concen: 0.416 ppbv m

RT: 3.35 min Scan# 174

Delta R.T. 0.02 min

Lab File: VL037905.D

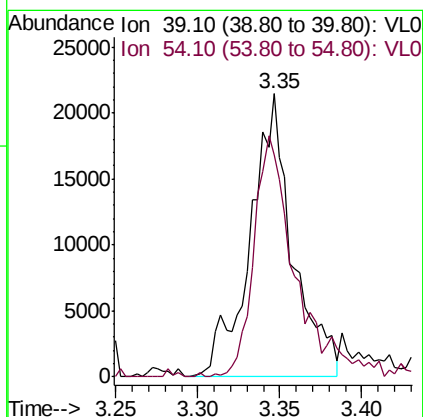
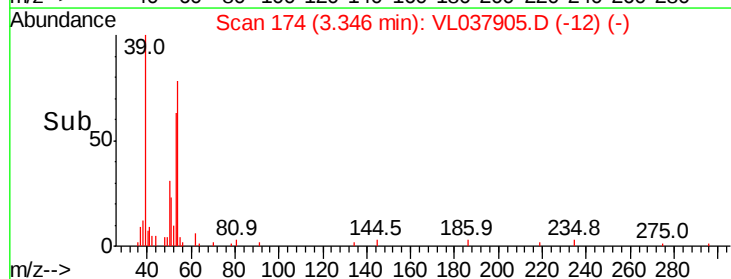
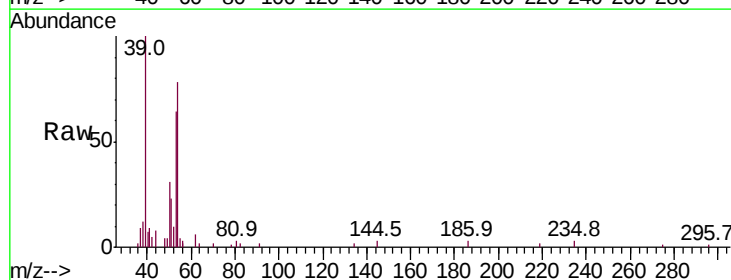
Acq: 25 Oct 2021 22:23

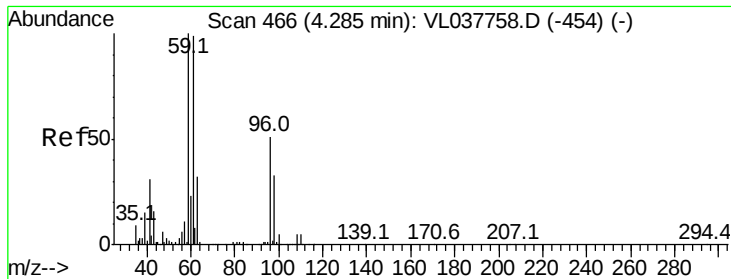
Tgt Ion: 39 Resp: 38649

Ion Ratio Lower Upper

39 100

54 82.8 61.7 92.5





#17

tert-Butyl alcohol

Concen: 0.415 ppbv m

RT: 4.33 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

59 100

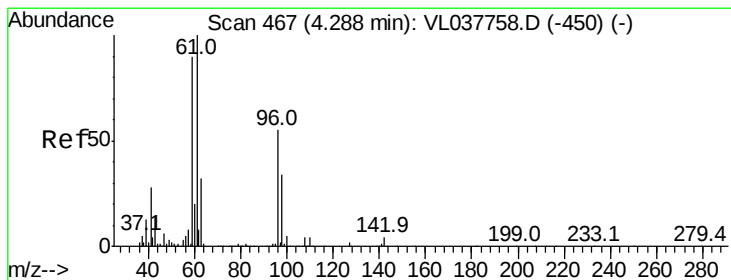
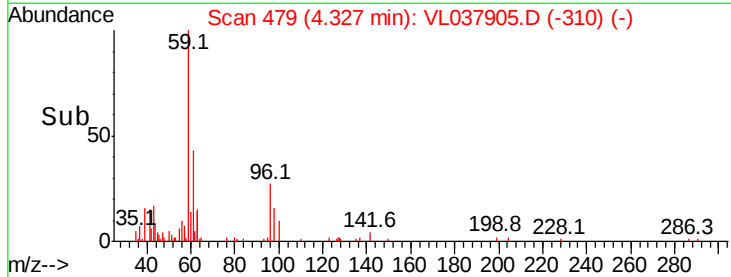
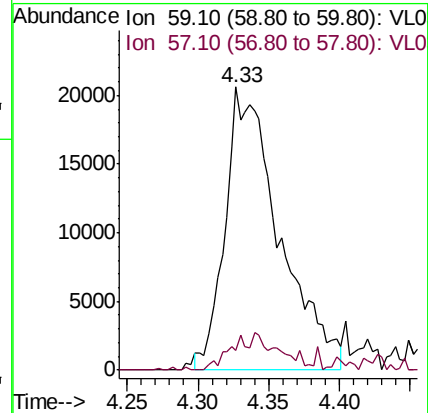
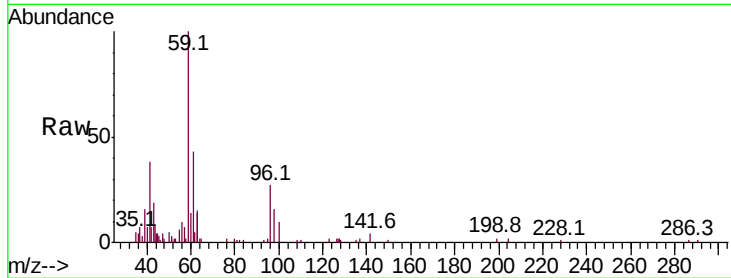
57 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#18

1,1-Dichloroethene

Concen: 0.461 ppbv m

RT: 4.30 min Scan# 472

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

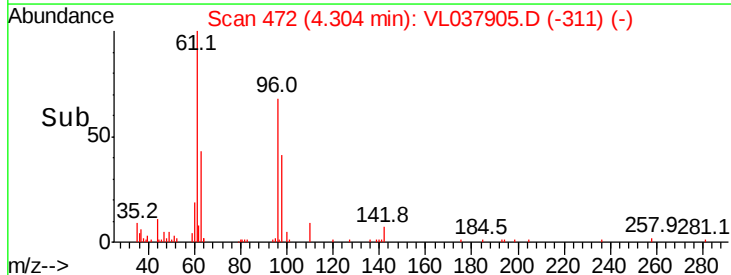
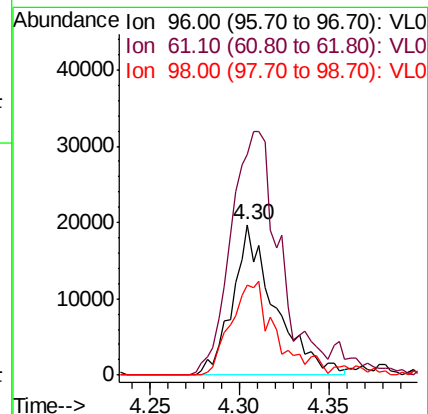
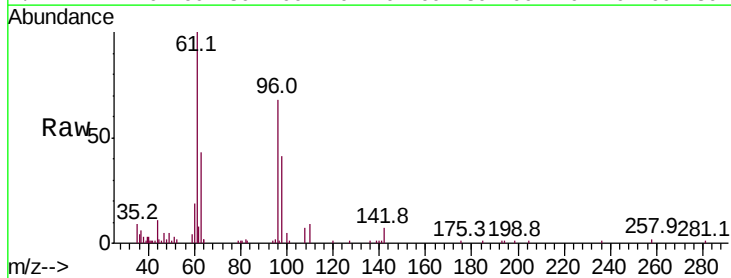
Tgt Ion: 96 Resp: 32195

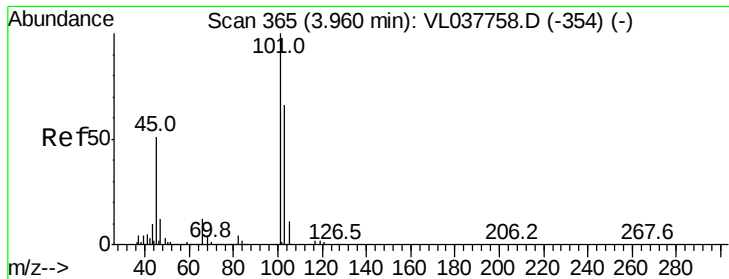
Ion Ratio Lower Upper

96 100

61 146.7 146.2 219.4

98 59.8 50.0 75.0





#19

Isopropyl Alcohol

Concen: 0.412 ppbv m

RT: 4.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 22:23

Tot Ion:

Ion Ratio

45 100

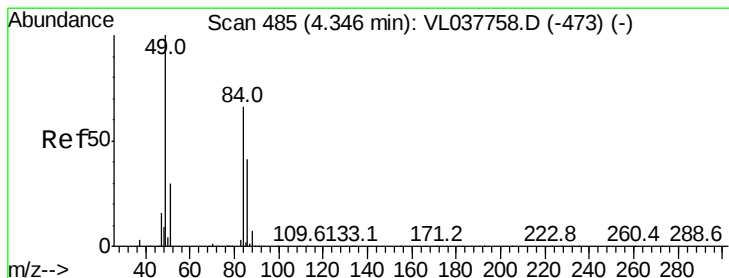
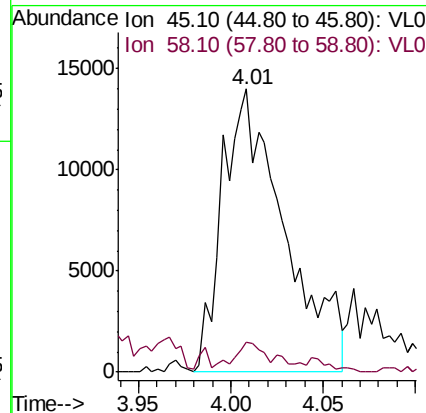
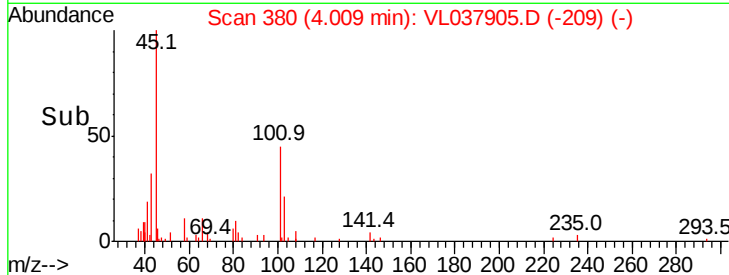
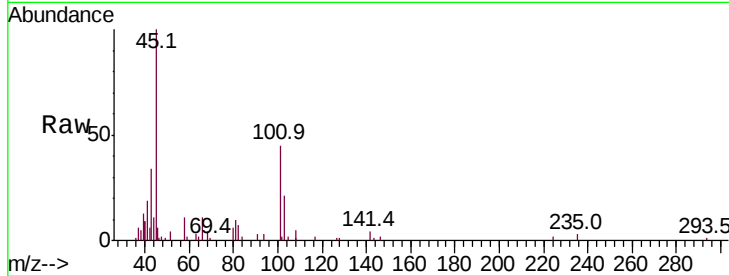
58 11.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#20

Methylene Chloride

Concen: 0.562 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

Tgt Ion: 84 Resp: 36273

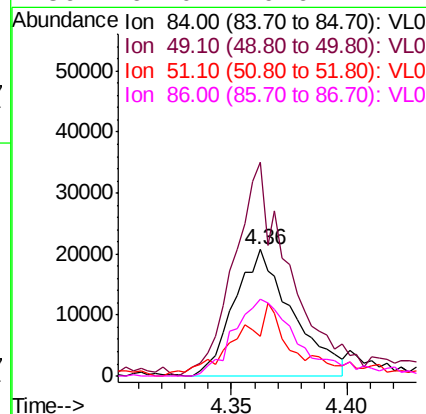
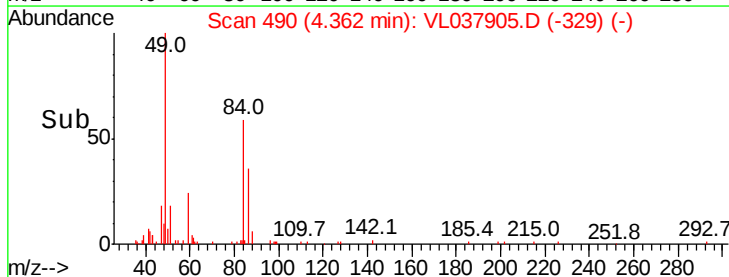
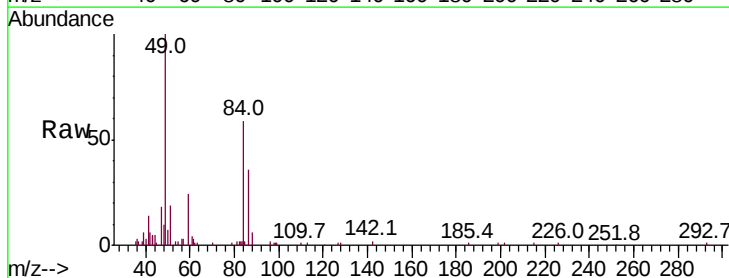
Ion Ratio Lower Upper

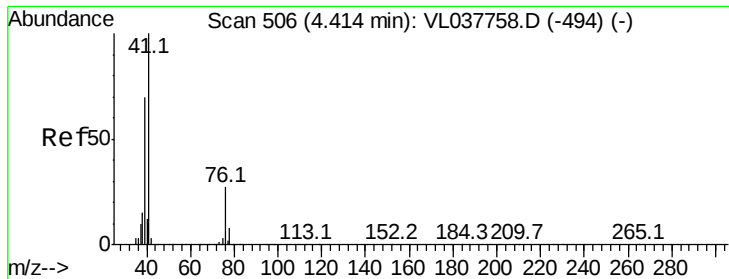
84 100

49 161.9 120.7 181.1

51 24.4 36.2 54.4#

86 61.0 49.6 74.4





#21

Allvl Chloride

Concen: 0.361 ppbv

RT: 4.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 22:23

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021

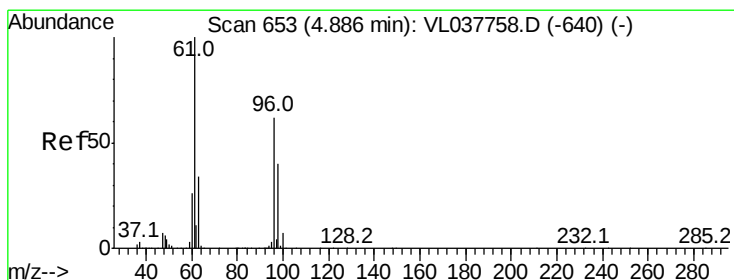
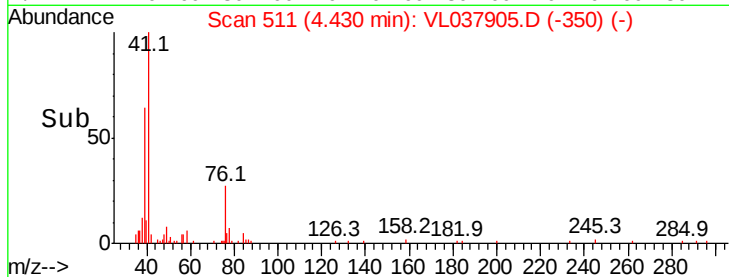
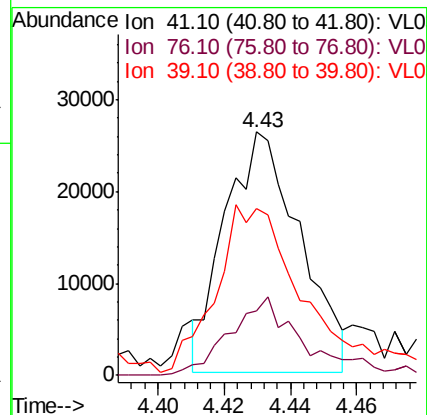
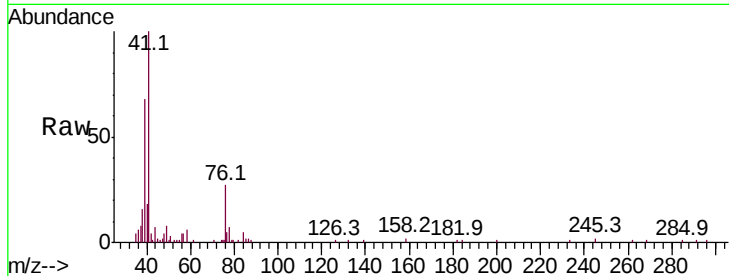
Tot Ion:

Ion Ratio

41 100

76 34.

39 94.



#22

trans-1,2-Dichloroethene

Concen: 0.435 ppbv m

RT: 4.90 min Scan# 658

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

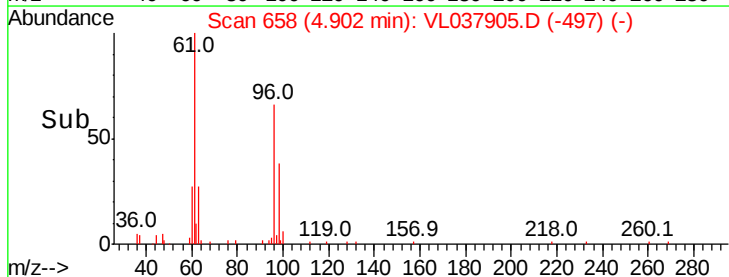
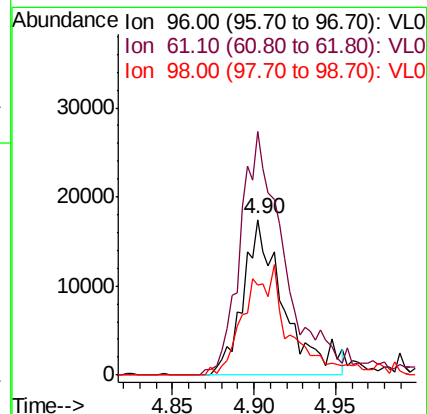
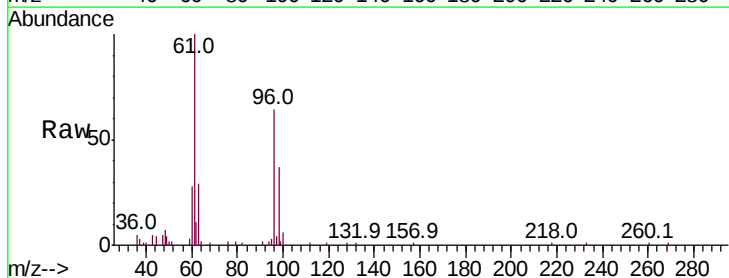
Tgt Ion: 96 Resp: 30519

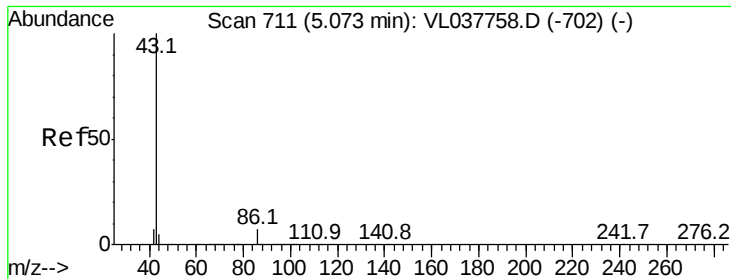
Ion Ratio Lower Upper

96 100

61 156.4 129.0 193.6

98 57.9 51.7 77.5



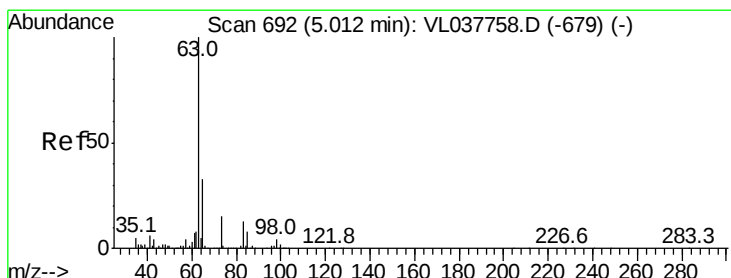
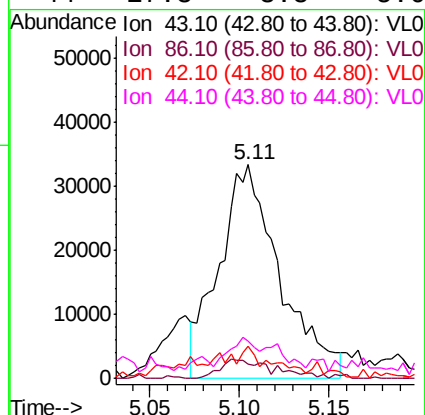
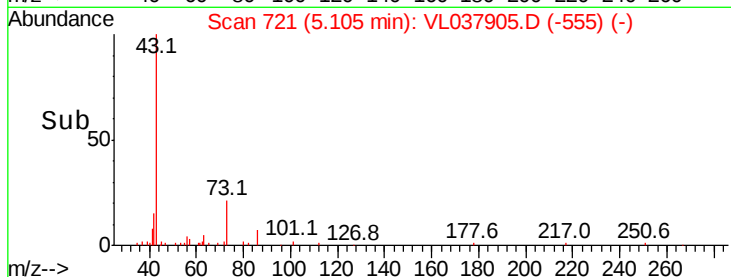
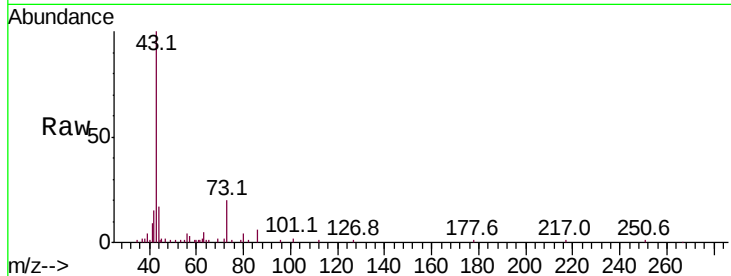


#23
 Vinyl Acetate
 Concen: 0.411 ppbv m
 RT: 5.11
 Instrument: MSVOA_1
 Delta R.T.
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:
 Ion Ratio
 43 100
 86 6.
 42 15.
 44 17.3 3.8 5.6#

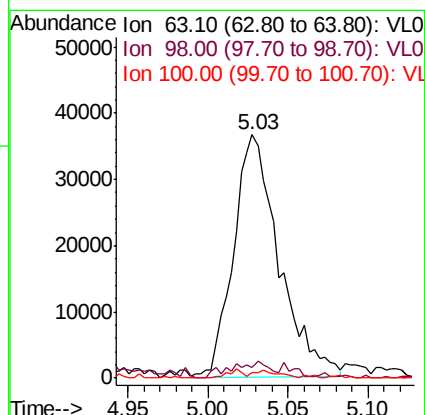
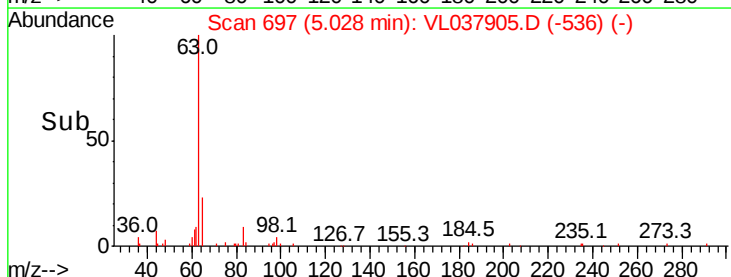
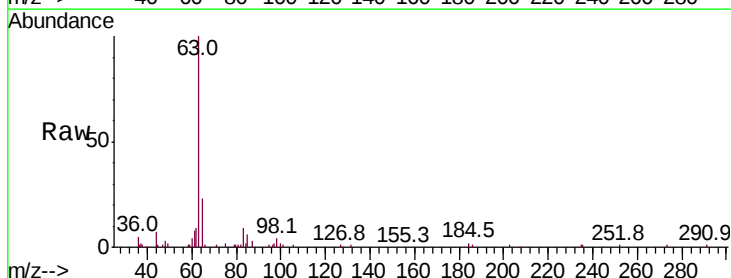
Manual Integrations
 APPROVED

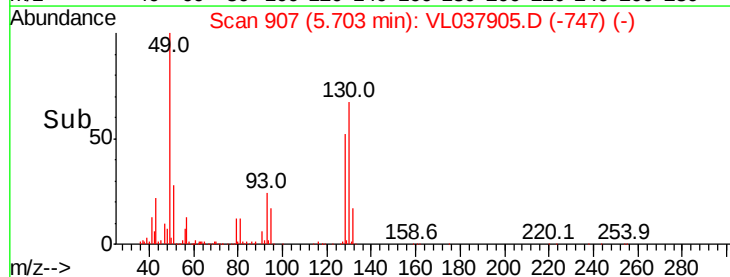
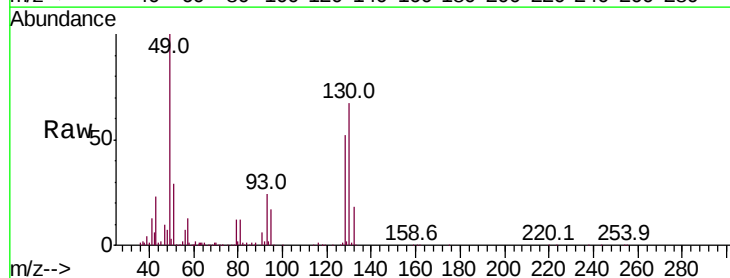
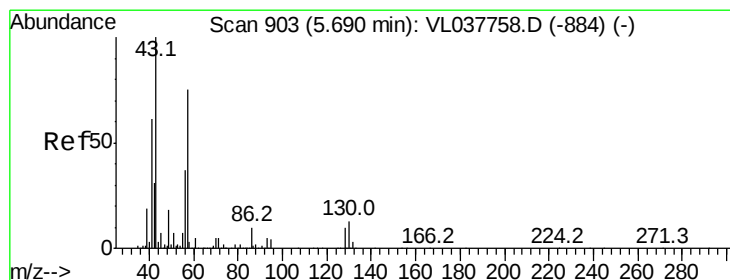
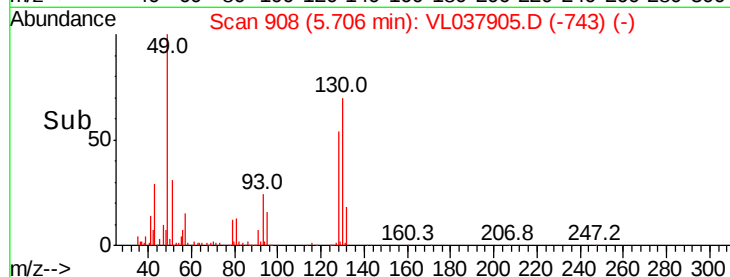
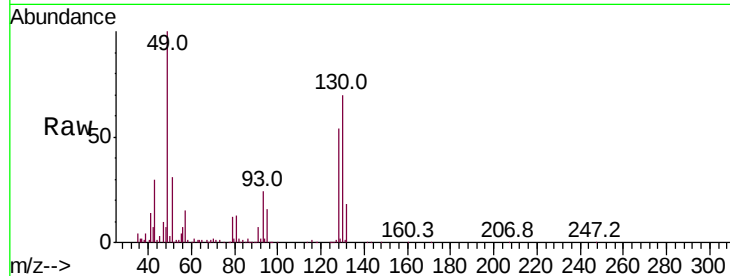
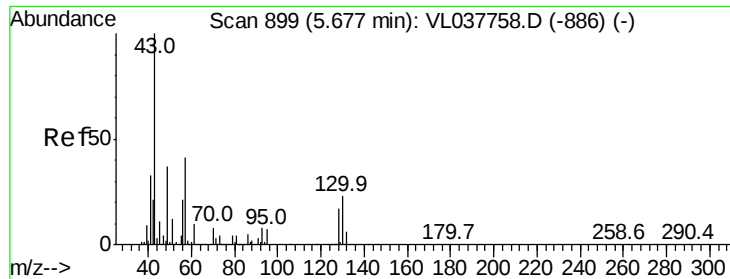
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#24
 1,1-Dichloroethane
 Concen: 0.510 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.02 min
 Lab File: VL037905.D
 Acq: 25 Oct 2021 22:23

Tgt Ion: 63 Resp: 71071
 Ion Ratio Lower Upper
 63 100
 98 3.6 2.3 6.9
 100 2.3 1.1 3.1



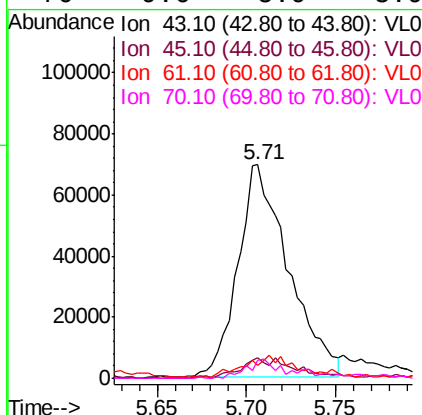


#25
Ethyl Acetate
Concen: 0.381 ppbv
RT: 5.71 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Ratio
43 100
45 11.
61 11.
70 9.6 5.9 8.9#

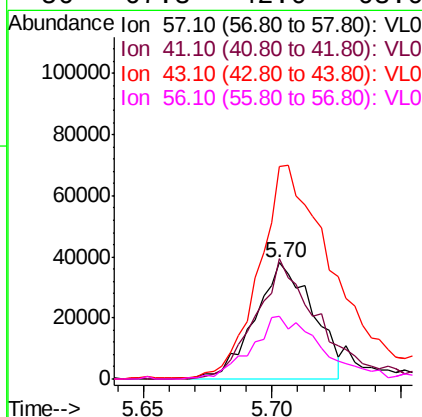
Manual Integrations
APPROVED

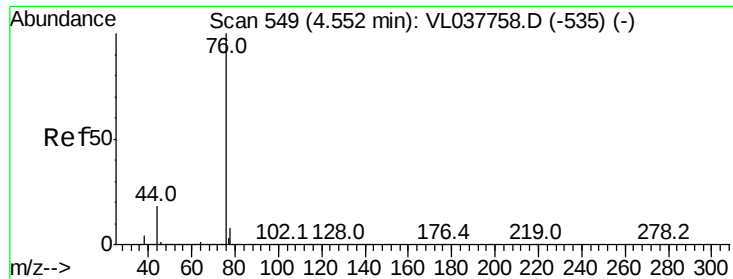
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#26
Hexane
Concen: 0.340 ppbv
RT: 5.70 min Scan# 907
Delta R.T.: 0.01 min
Lab File: VL037905.D
Acq: 25 Oct 2021 22:23

Tgt Ion: 57 Resp: 60088
Ion Ratio Lower Upper
57 100
41 115.3 69.6 104.4#
43 255.9 171.4 257.0
56 67.3 42.0 63.0#





#27

Carbon Disulfide

Concen: 0.356 ppbv

RT: 4.57

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:

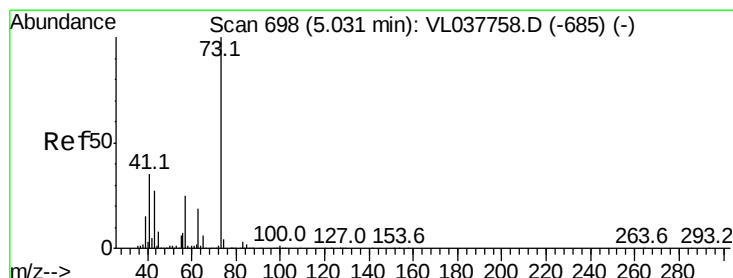
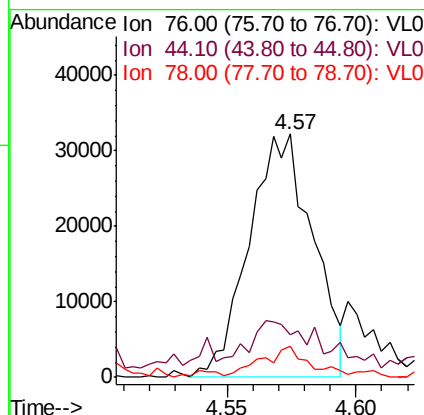
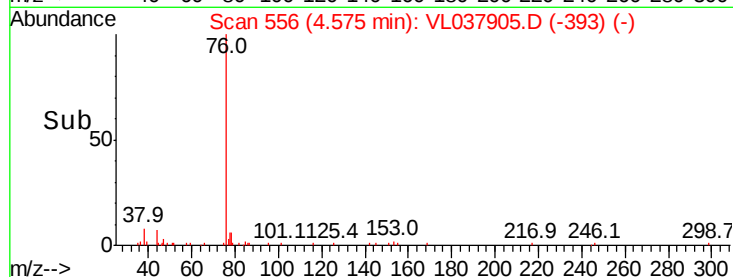
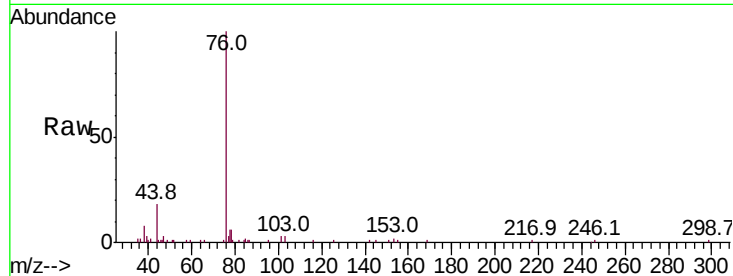
Ion	Ratio
76	100
44	19.
78	11.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#28

Methyl tert-Butyl Ether

Concen: 0.443 ppbv

RT: 5.07 min Scan# 709

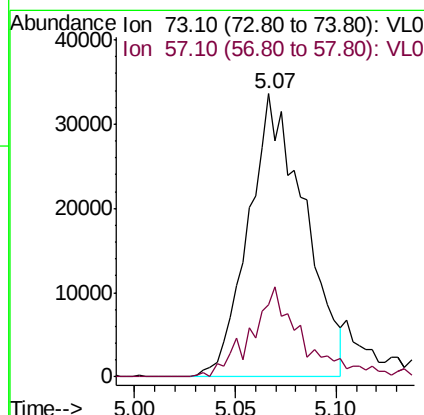
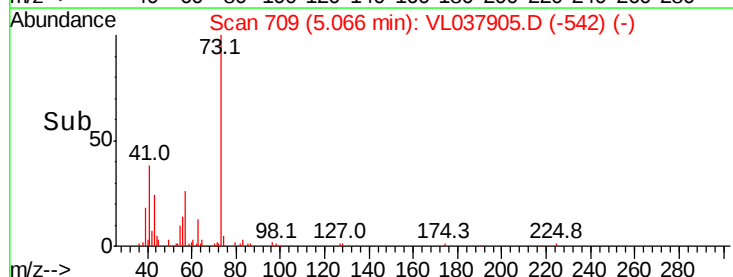
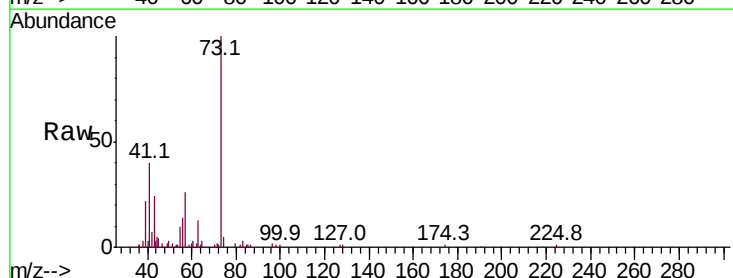
Delta R.T. 0.04 min

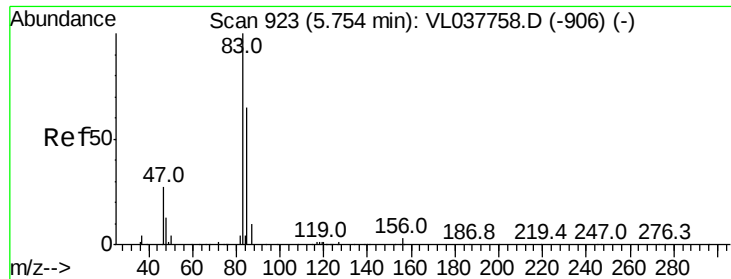
Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

Tgt Ion: 73 Resp: 65095

Ion	Ratio	Lower	Upper
73	100		
57	30.1	20.4	30.6



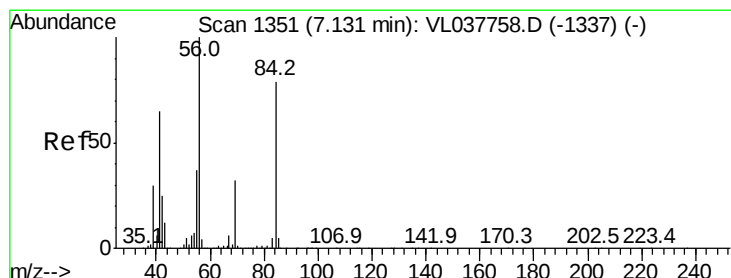
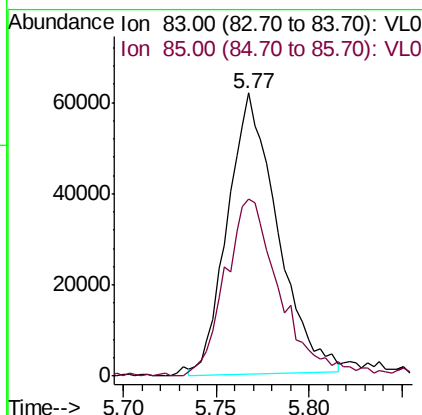
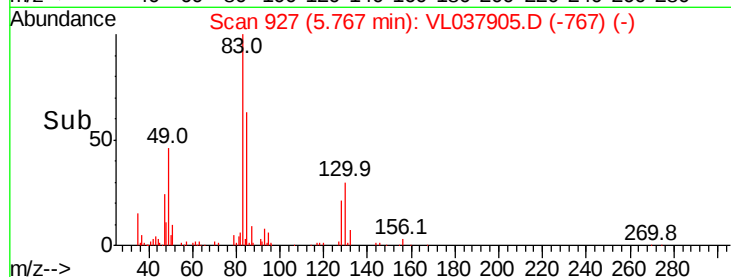
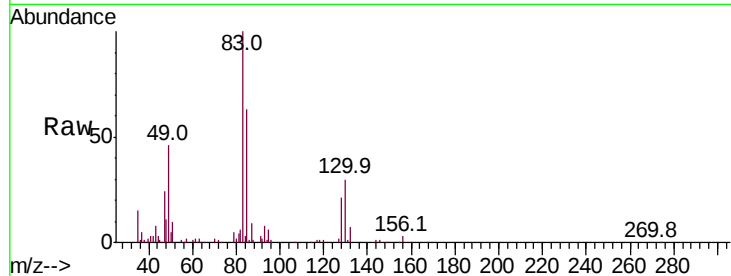


#29
Chloroform
Concen: 0.454 ppbv
RT: 5.77
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Ratio
83 100
85 62.

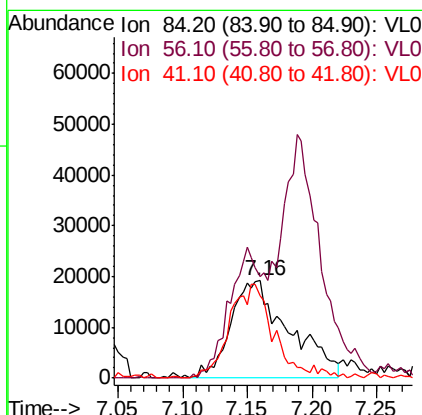
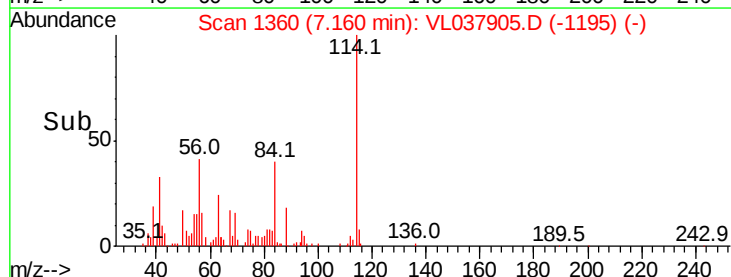
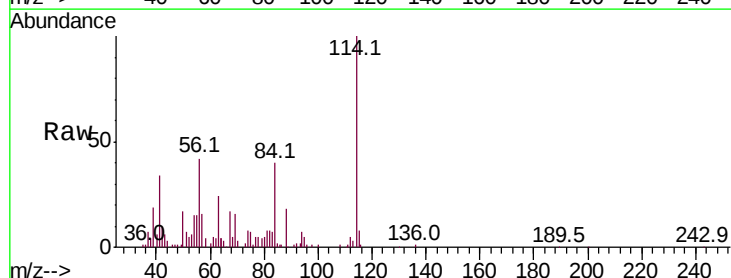
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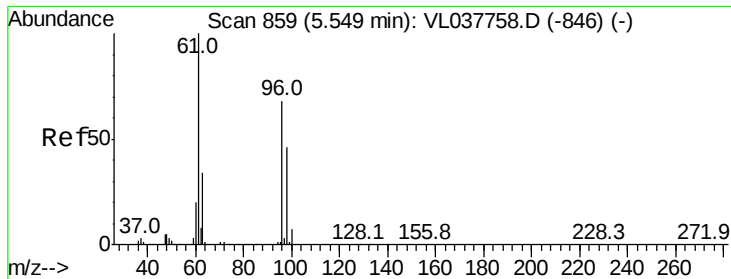
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#30
Cyclohexane
Concen: 0.405 ppbv m
RT: 7.16 min Scan# 1360
Delta R.T. 0.03 min
Lab File: VL037905.D
Acq: 25 Oct 2021 22:23

Tgt Ion: 84 Resp: 60569
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 73.7 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 0.333 ppbv

RT: 5.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

61 100

96 62.

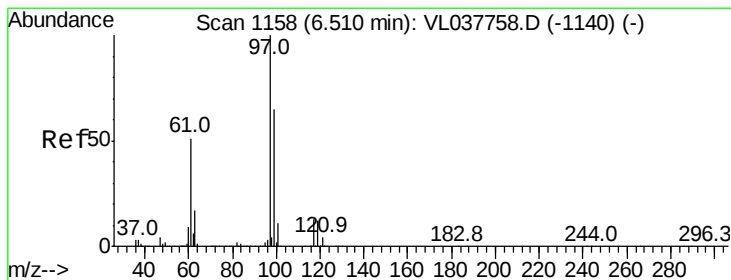
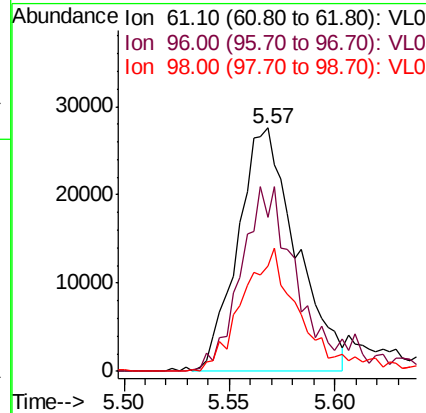
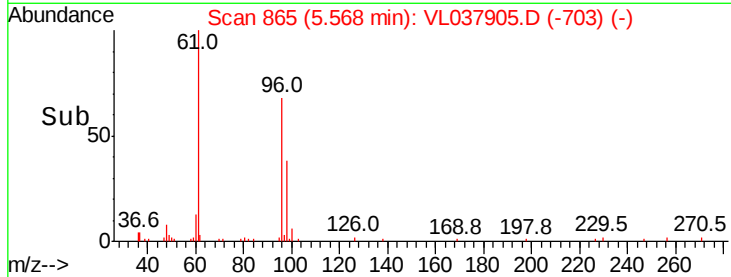
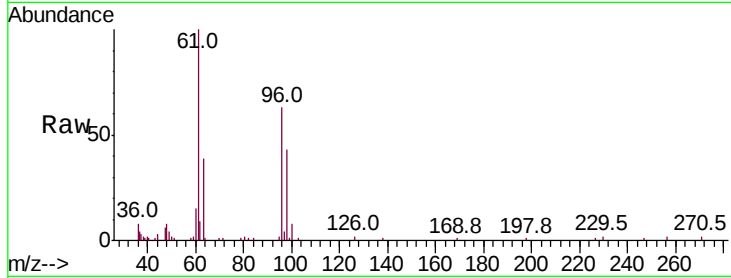
98 42.

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APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#32

1,1,1-Trichloroethane

Concen: 0.428 ppbv

RT: 6.53 min Scan# 1165

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

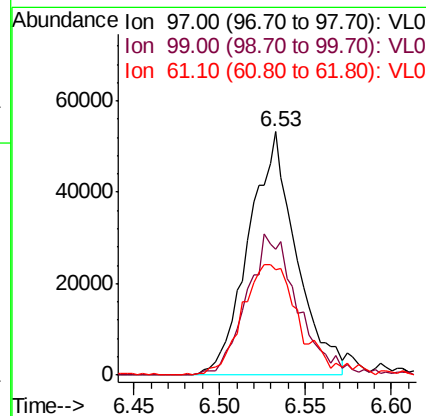
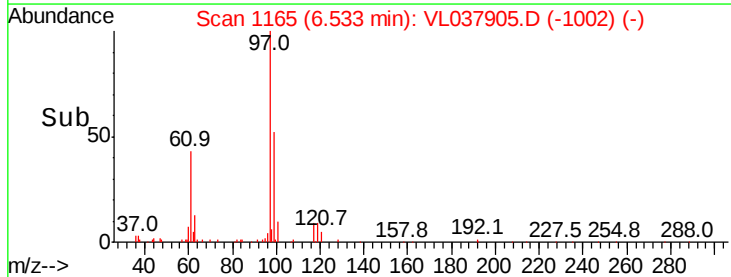
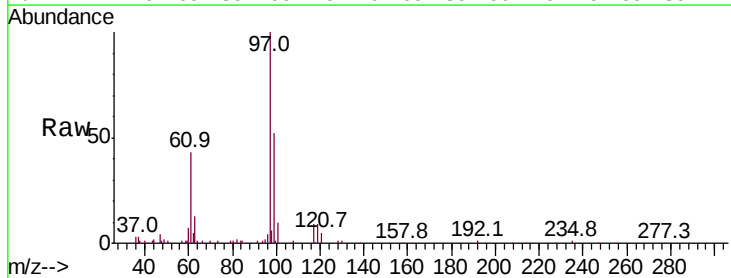
Tgt Ion: 97 Resp: 102357

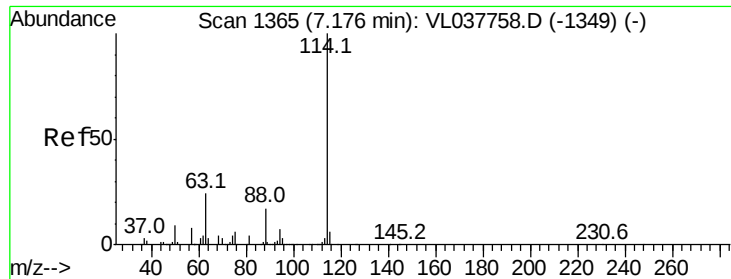
Ion Ratio Lower Upper

97 100

99 63.2 52.6 78.8

61 56.5 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19

Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23

Tot Ion:1

Ion Rati

114 100

63 23.

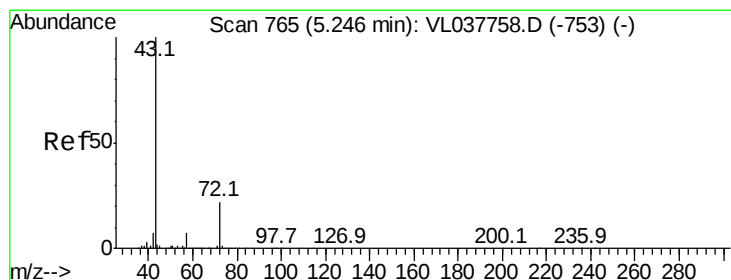
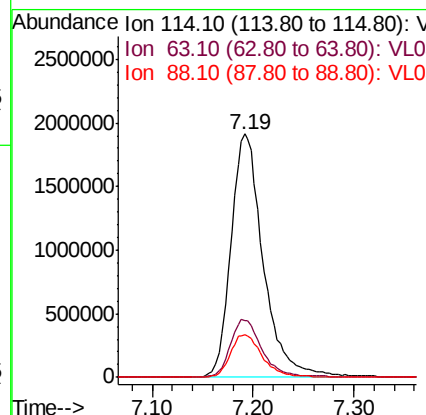
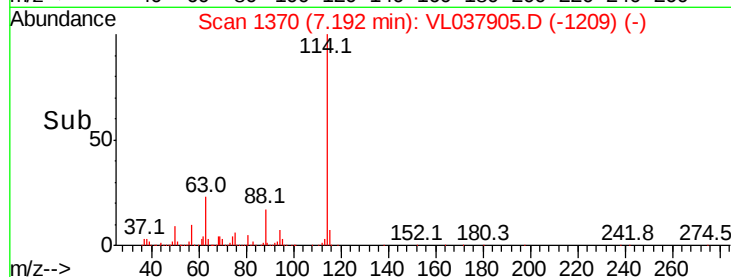
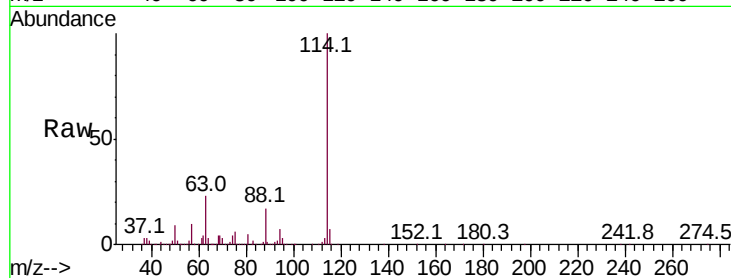
88 17.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#34

2-Butanone

Concen: 0.375 ppbv m

RT: 5.29 min Scan# 778

Delta R.T. 0.04 min

Lab File: VL037905.D

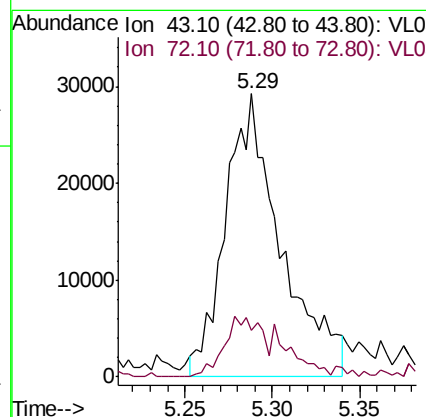
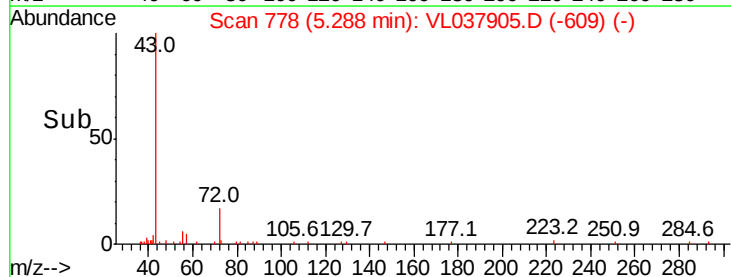
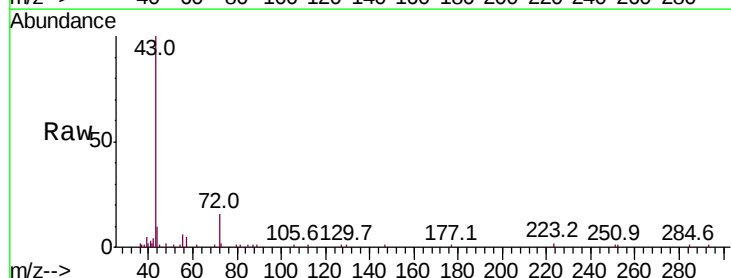
Acq: 25 Oct 2021 22:23

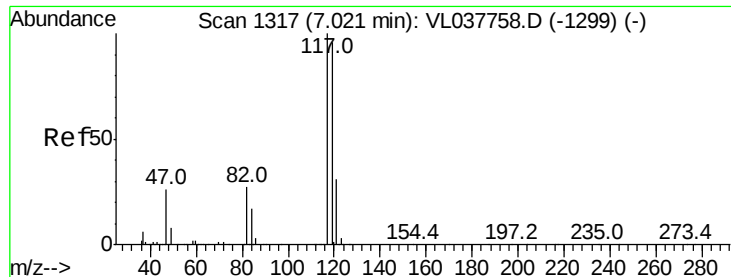
Tgt Ion: 43 Resp: 64414

Ion Ratio Lower Upper

43 100

72 23.6 18.2 27.2



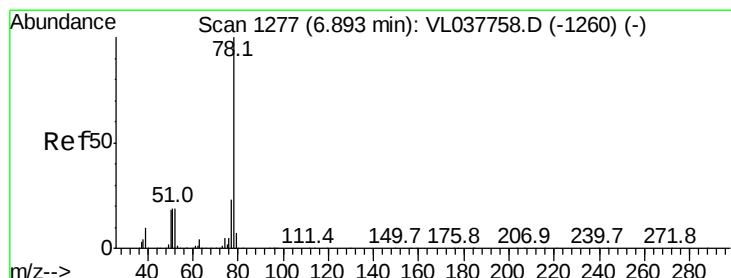
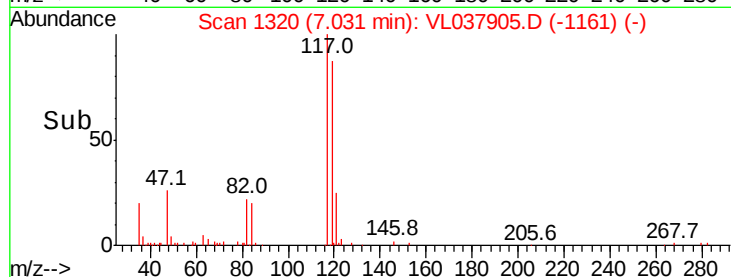
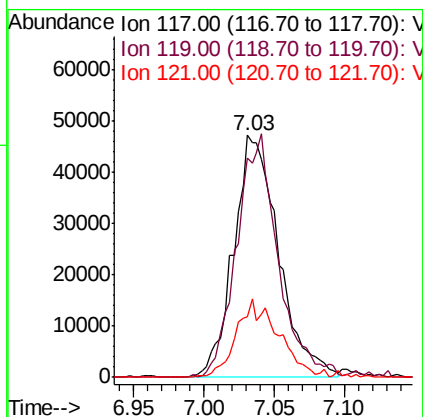
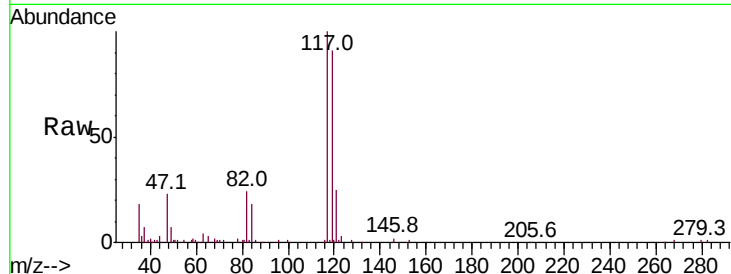


#35
Carbon Tetrachloride
Concen: 0.437 ppbv
RT: 7.03
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion: 1
Ion Ratio
117 100
119 90.
121 24.

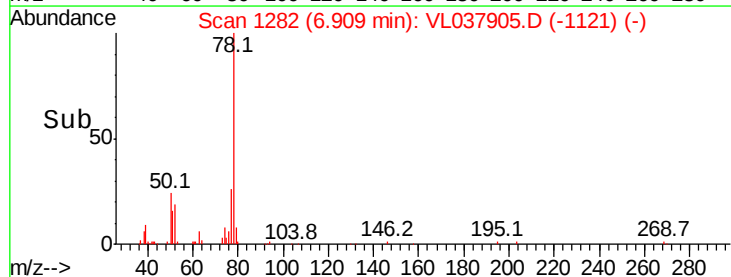
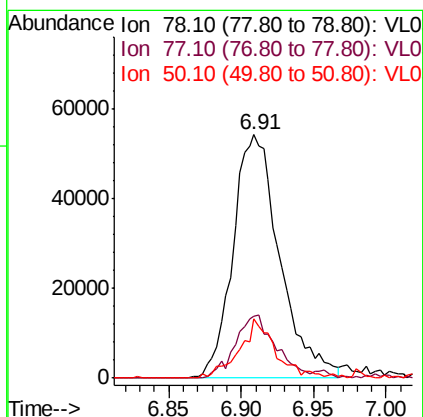
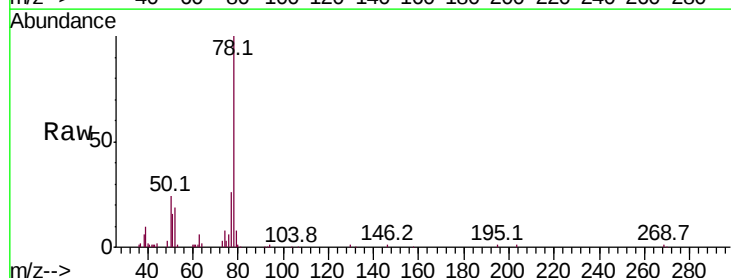
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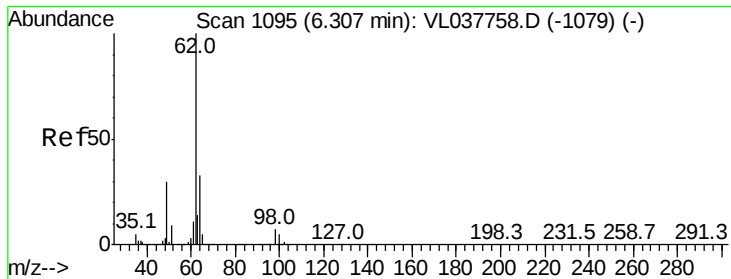
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#36
Benzene
Concen: 0.335 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. 0.02 min
Lab File: VL037905.D
Acq: 25 Oct 2021 22:23

Tgt Ion: 78 Resp: 121606
Ion Ratio Lower Upper
78 100
77 25.5 18.8 28.2
50 24.3 14.7 22.1#



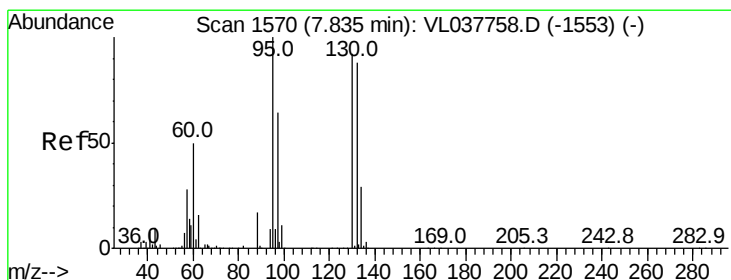
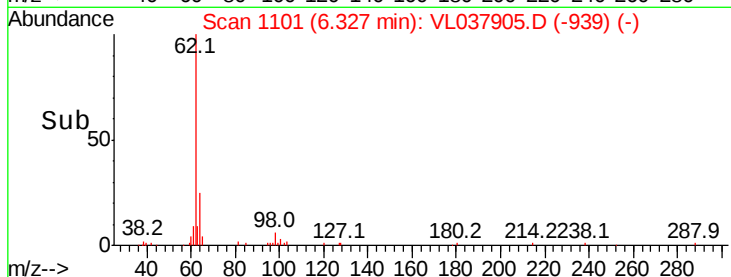
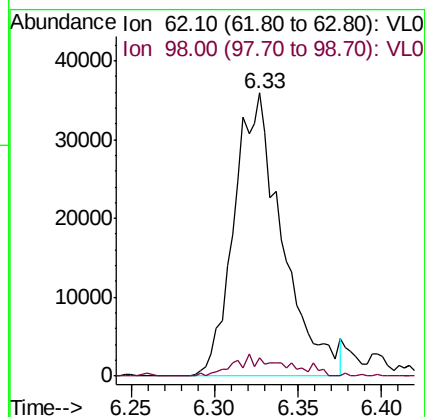
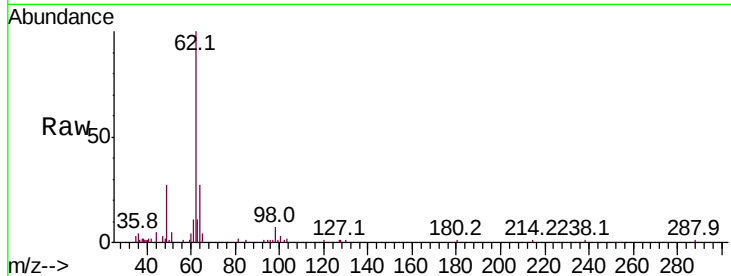


#37
 1,2-Dichloroethane
 Concen: 0.421 ppbv m
 RT: 6.33
 Instrument: MSVOA_L
 Delta R.T.
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 22:23

Tot Ion:
 Ion Ratio
 62 100
 98 7.

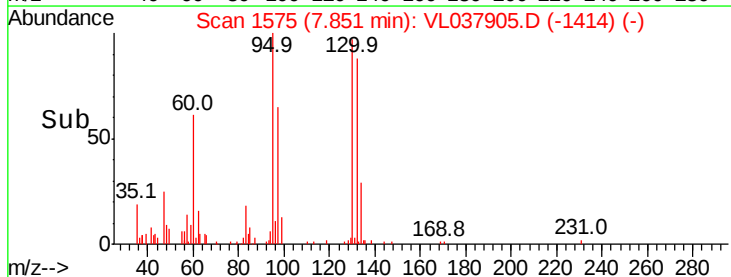
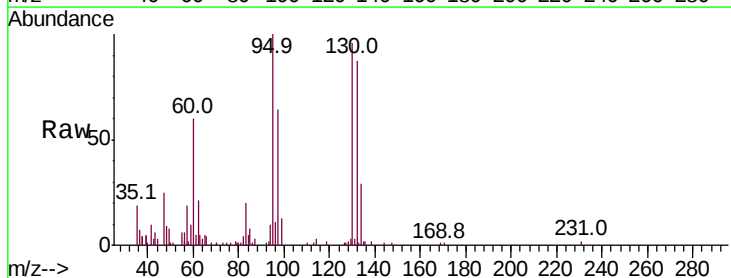
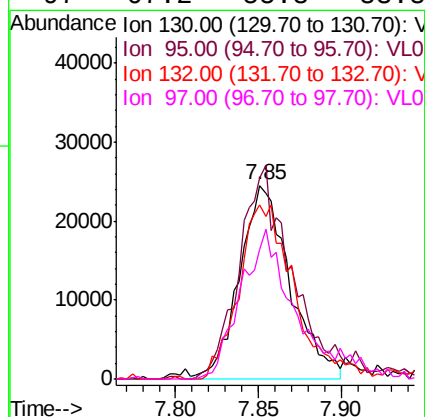
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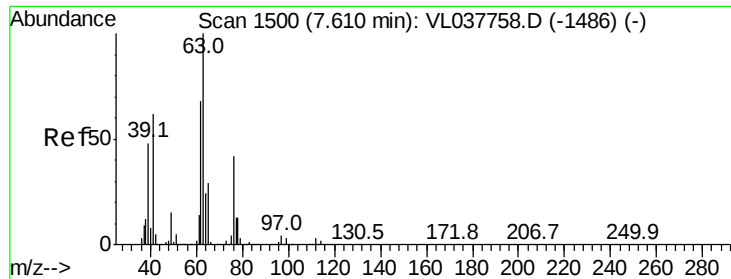
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#38
 Trichloroethene
 Concen: 0.362 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.02 min
 Lab File: VL037905.D
 Acq: 25 Oct 2021 22:23

Tgt Ion:130 Resp: 52023
 Ion Ratio Lower Upper
 130 100
 95 104.9 87.4 131.0
 132 91.1 76.8 115.2
 97 67.2 55.8 83.8



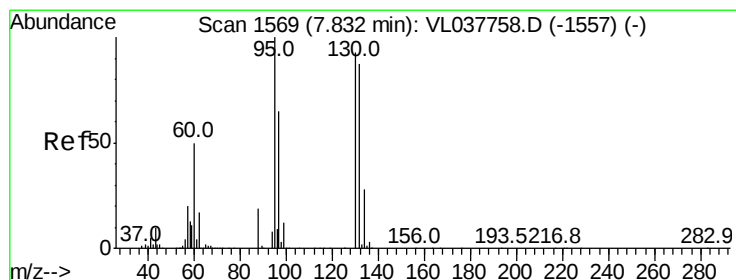
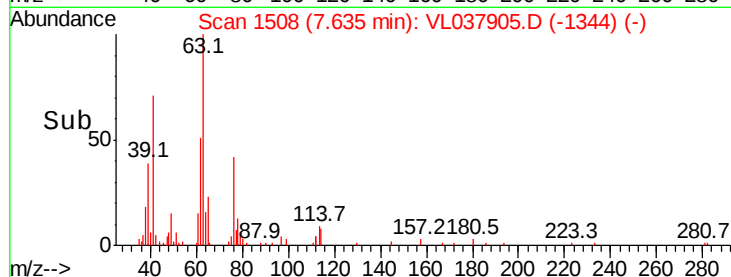
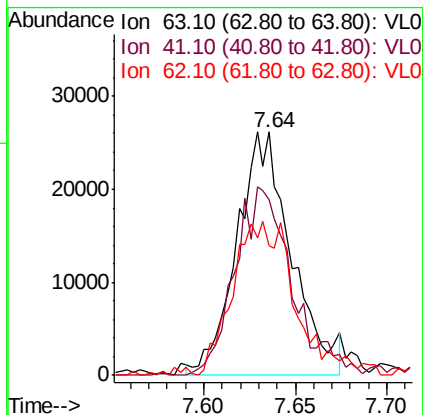
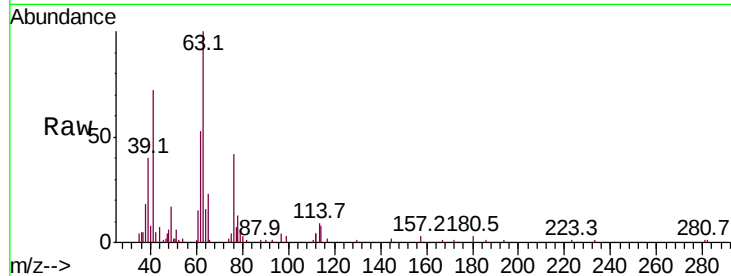


#39
 1,2-Dichloropropane
 Concen: 0.396 ppbv m
 RT: 7.64
 Instrument: MSVOA_L
 Delta R.T.
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 22:23

Tot Ion:
 Ion Ratio
 63 100
 41 72.
 62 53.

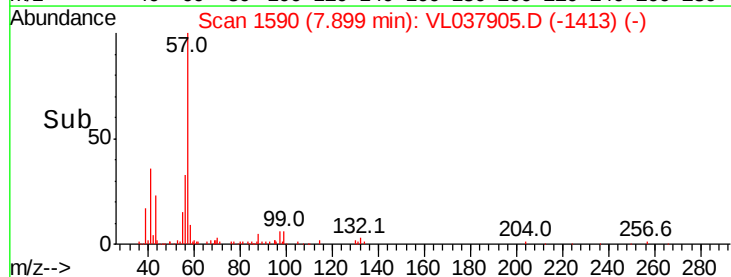
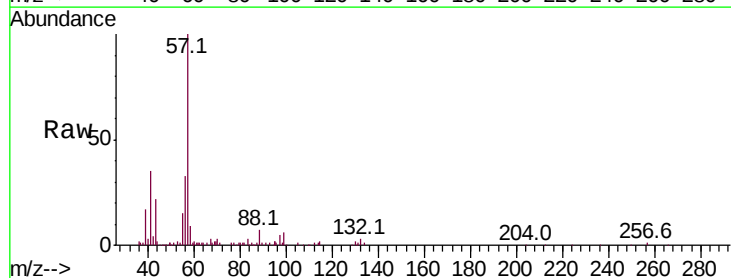
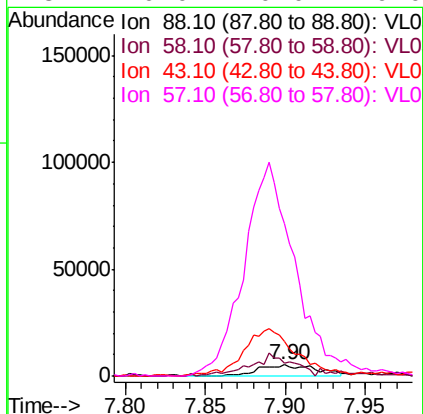
Manual Integrations
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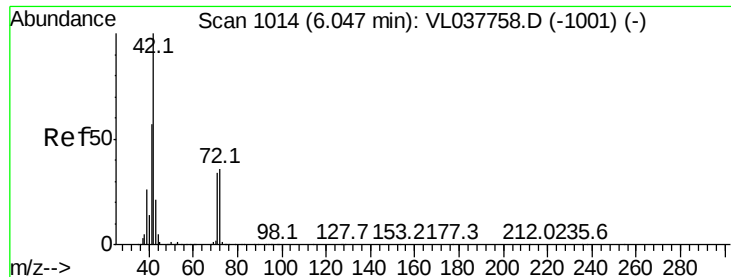
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#40
 1,4-Dioxane
 Concen: 0.387 ppbv m
 RT: 7.90 min Scan# 1590
 Delta R.T. 0.07 min
 Lab File: VL037905.D
 Acq: 25 Oct 2021 22:23

Tgt Ion: 88 Resp: 13220
 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: 0.259 ppbv m

RT: 6.10 Instrument:

Delta R.T. MSVOA_L

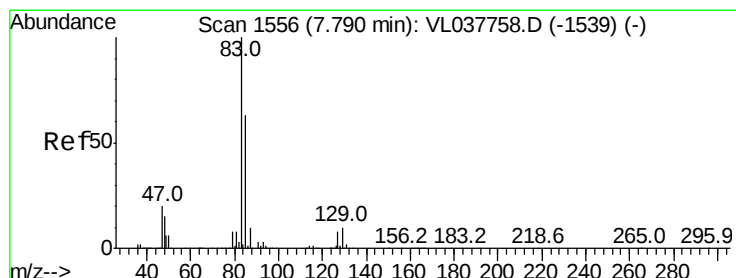
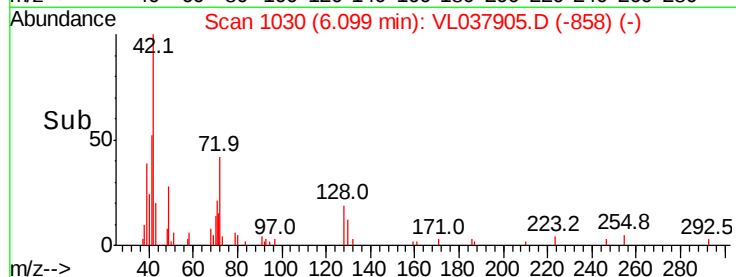
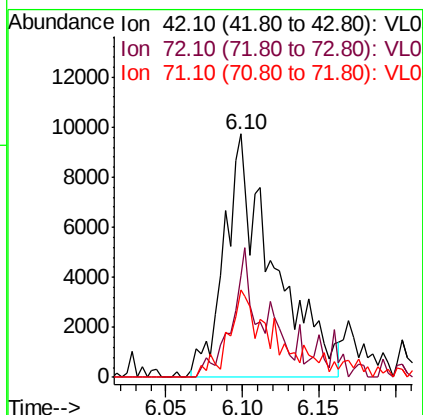
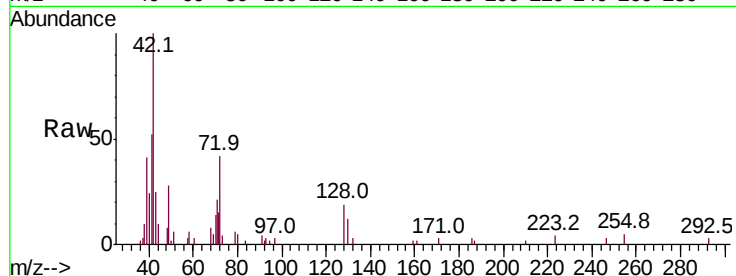
Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

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

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



#42

Bromodichloromethane

Concen: 0.416 ppbv m

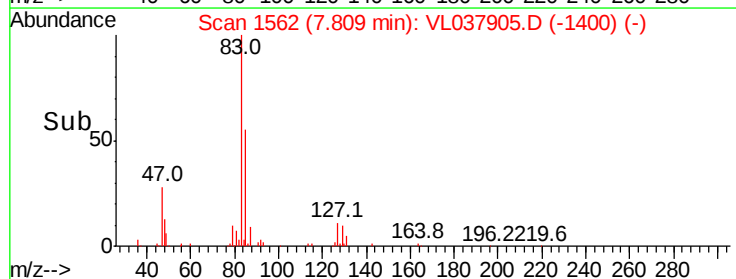
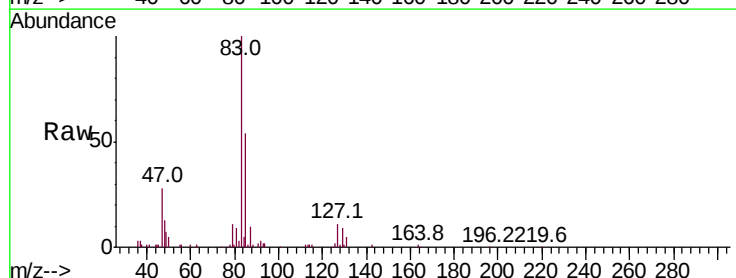
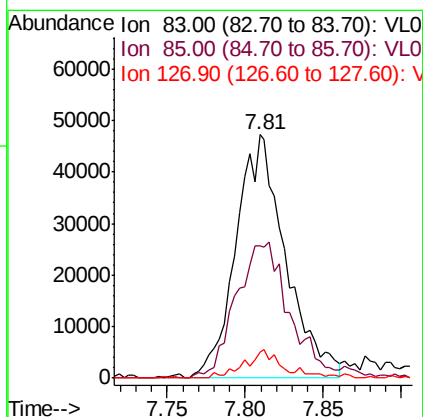
RT: 7.81 min Scan# 1562

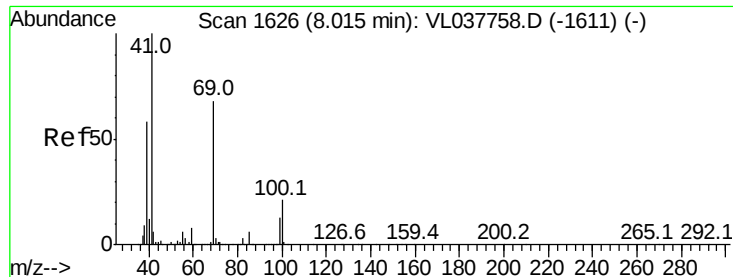
Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

Tgt Ion: 83 Resp: 104598
Ion Ratio Lower Upper
83 100
85 54.4 50.6 75.8
127 10.7 6.2 9.4#





#43

Methyl Methacrylate

Concen: 0.273 ppbv m

RT: 8.05

Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23

Tot Ion:

Ion Ratio

69 100

41 150.

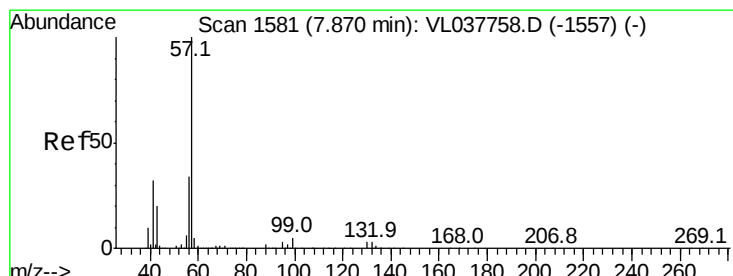
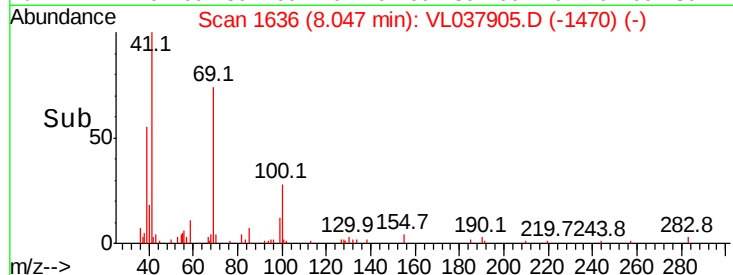
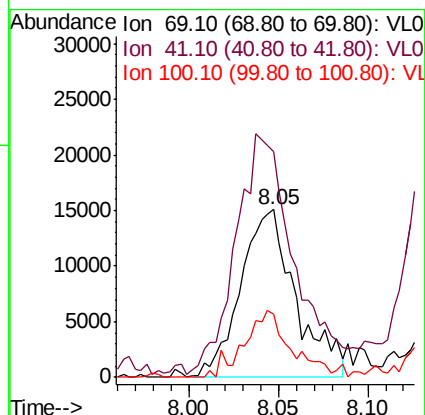
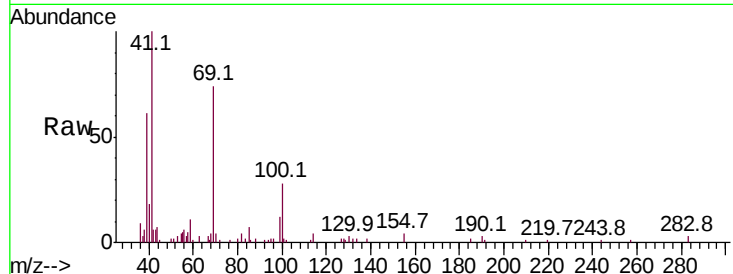
100 34.

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: 0.353 ppbv

RT: 7.89 min Scan# 1587

Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

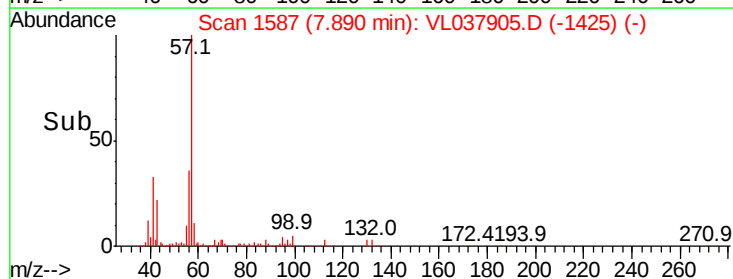
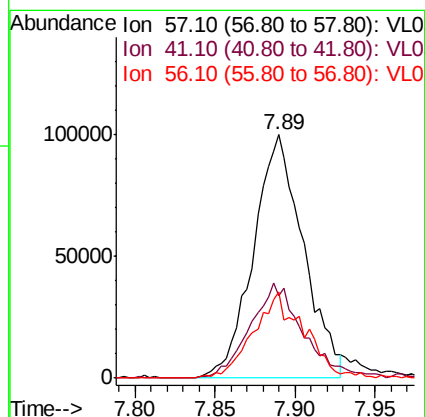
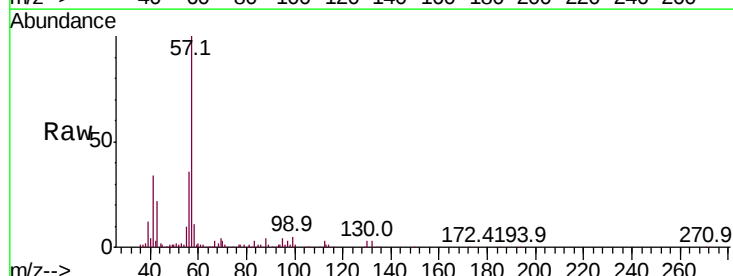
Tgt Ion: 57 Resp: 215166

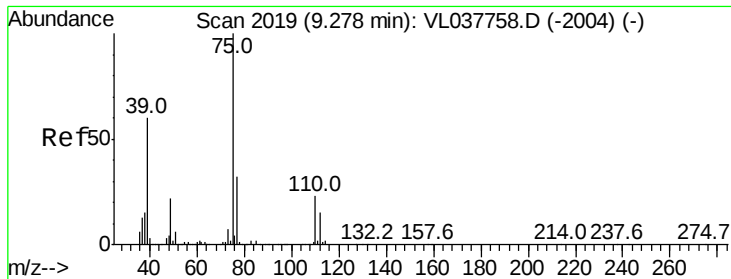
Ion Ratio Lower Upper

57 100

41 41.5 25.6 38.4#

56 36.2 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 0.273 ppbv m

RT: 9.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

75 100

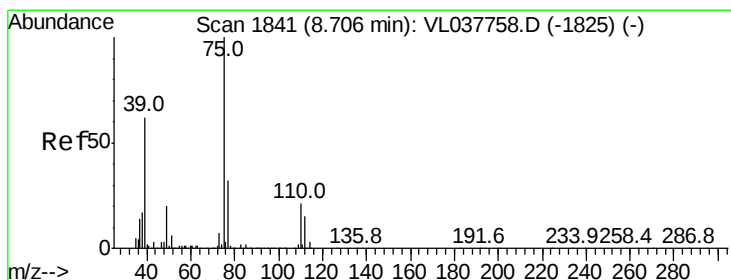
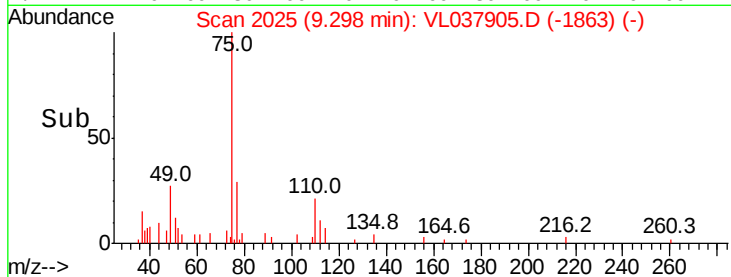
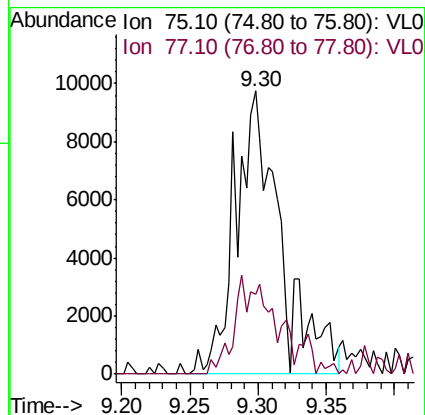
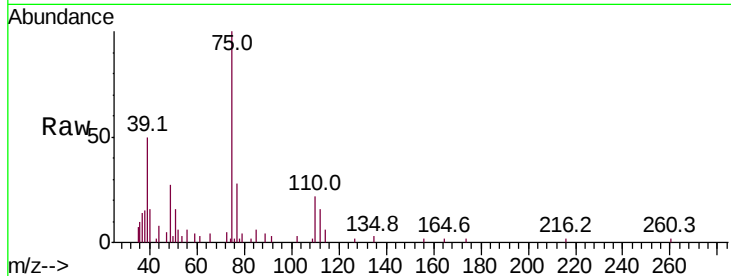
77 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#46

cis-1,3-Dichloropropene

Concen: 0.277 ppbv m

RT: 8.72 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

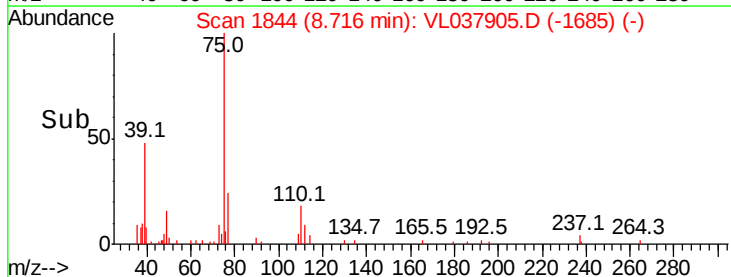
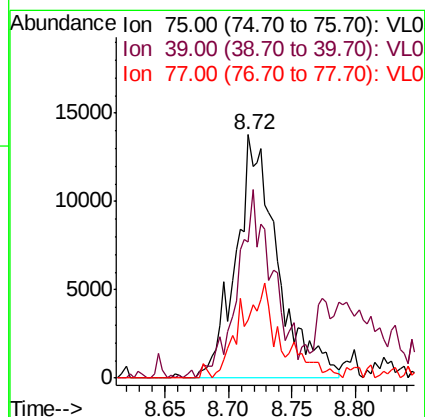
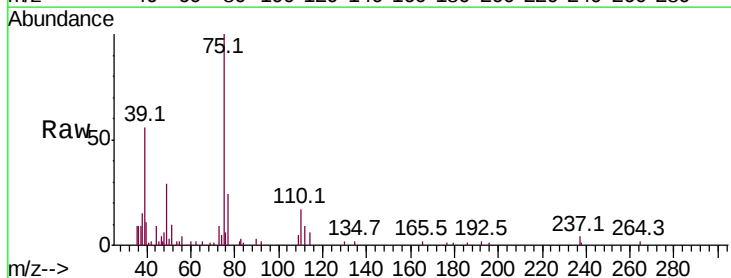
Tgt Ion: 75 Resp: 31360

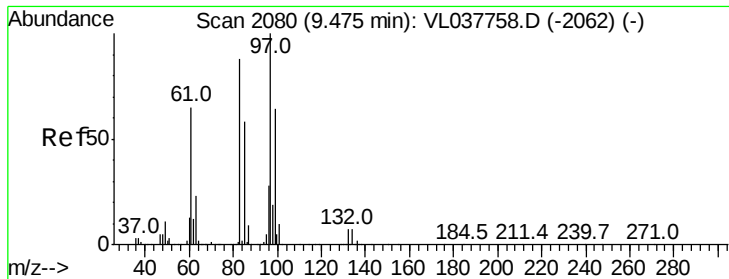
Ion Ratio Lower Upper

75 100

39 55.7 49.9 74.9

77 23.9 25.9 38.9#





#47

1,1,2-Trichloroethane

Concen: 0.411 ppbv m

RT: 9.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

97 100

83 79.

85 58.

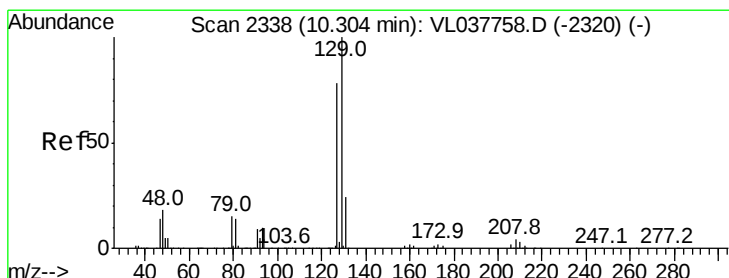
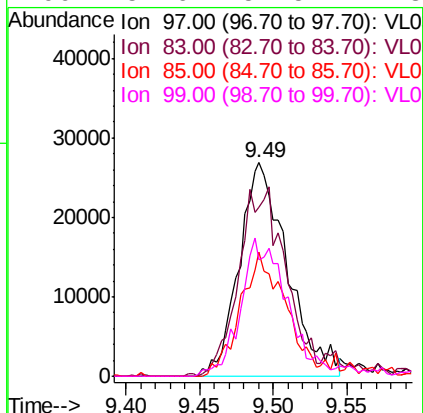
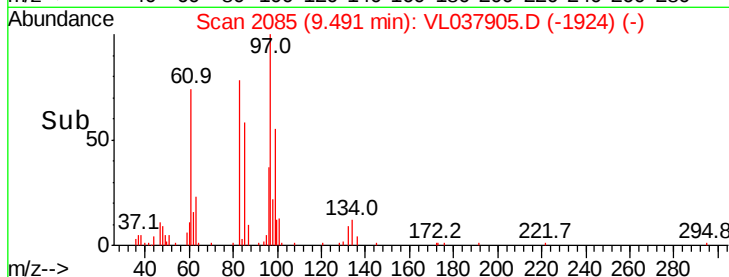
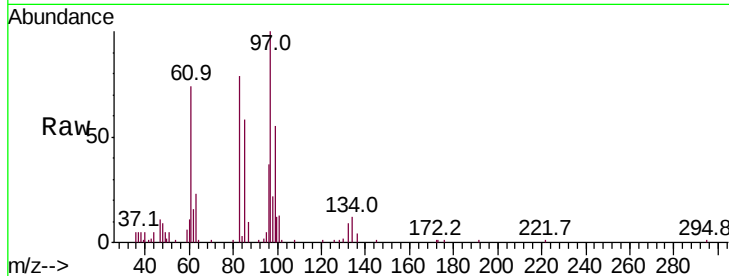
99 54.6 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#48

Dibromochloromethane

Concen: 0.352 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. 0.02 min

Lab File: VL037905.D

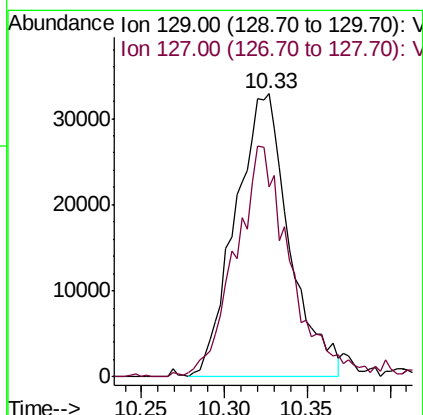
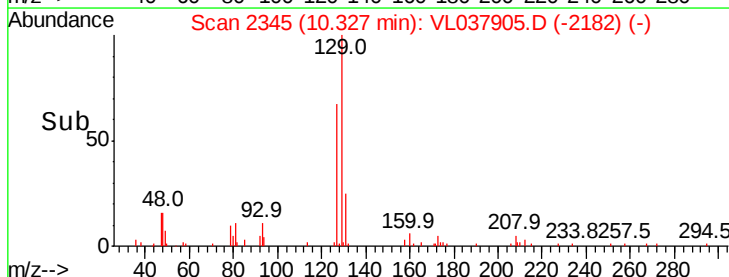
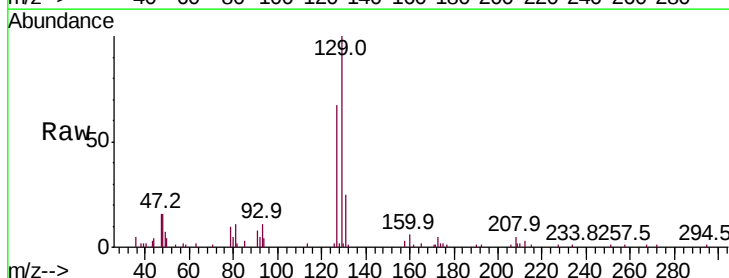
Acq: 25 Oct 2021 22:23

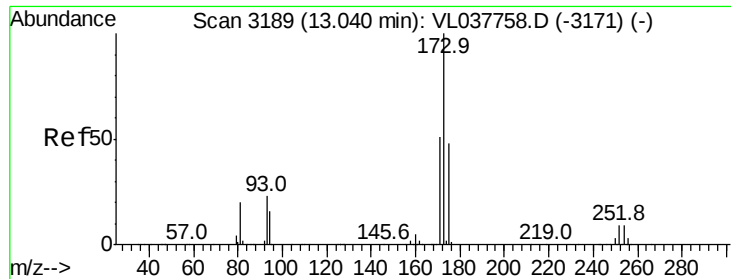
Tgt Ion:129 Resp: 74625

Ion Ratio Lower Upper

129 100

127 84.2 39.5 118.5





#49

Bromoform

Concen: 0.313 ppbv

RT: 13.06

Delta R.T.

Lab File:

Acq: 25 Oct 2021 22:23

Instrument:

MSVOA_L

ClientSampleId:

MDL-AIR-03-OT4-2021

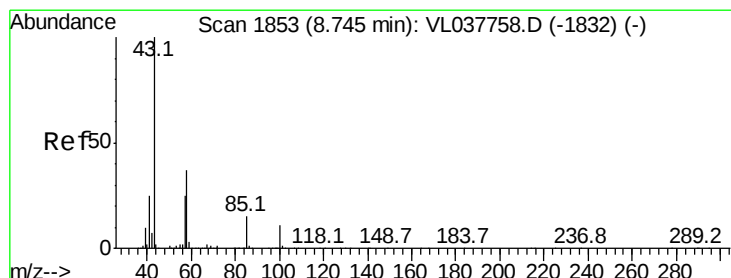
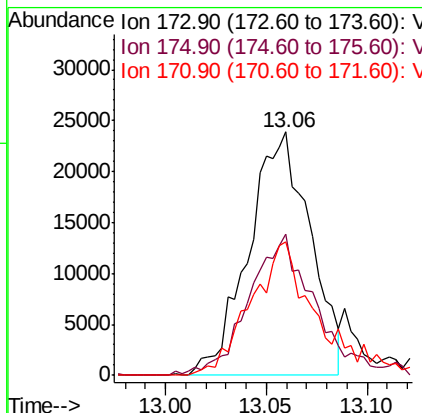
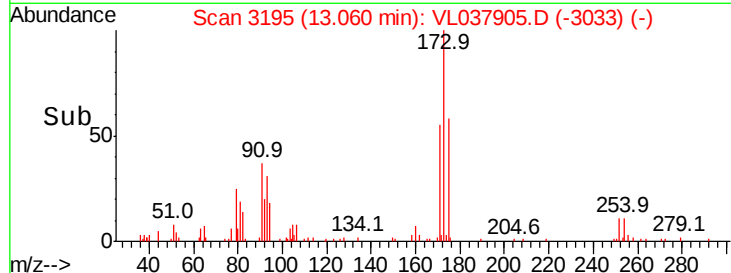
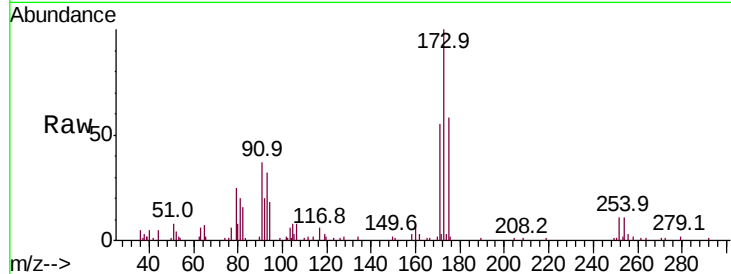
Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021

Tot Ion:1
Ion Rati
173 100
175 65.
171 60.



#50

4-Methyl-2-Pentanone

Concen: 0.284 ppbv m

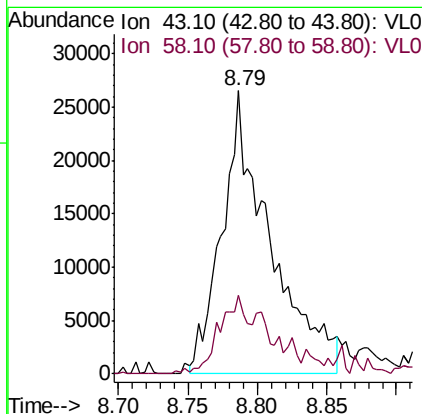
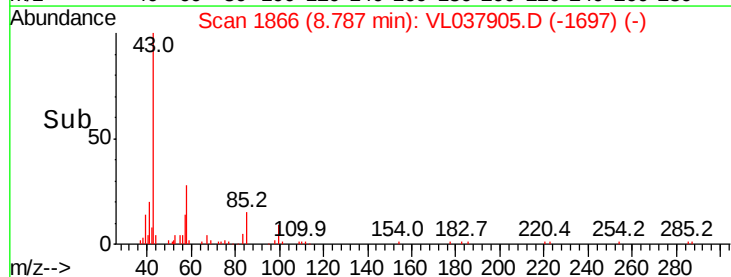
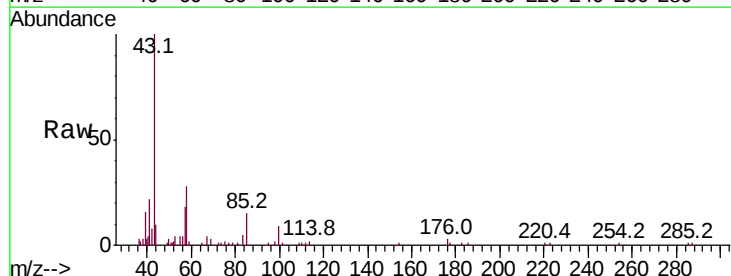
RT: 8.79 min Scan# 1866

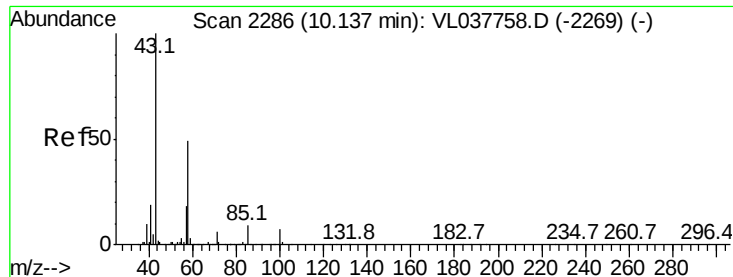
Delta R.T. 0.04 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

Tgt Ion: 43 Resp: 63538
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



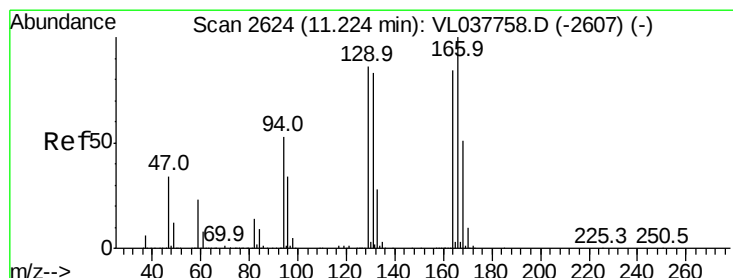
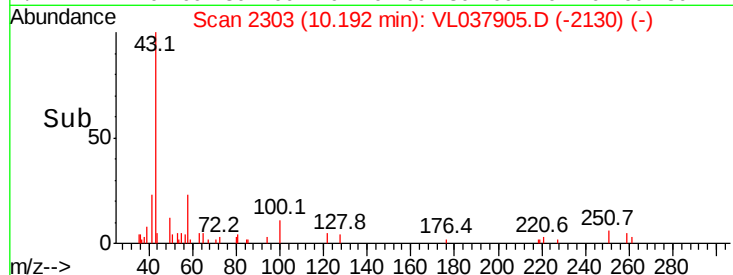
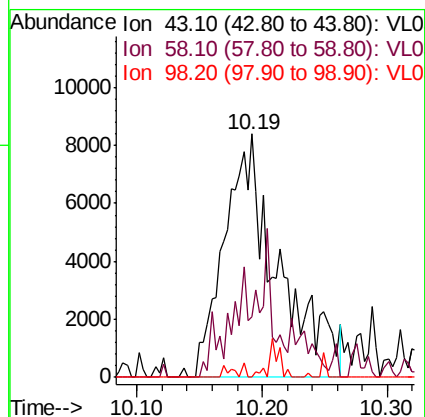
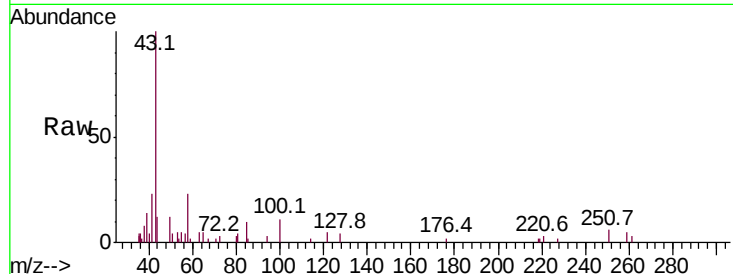


#51
2-Hexanone
Concen: 0.250 ppbv m
RT: 10.19
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tot Ion:
Ion Ratio
43 100
58 0.
98 1.

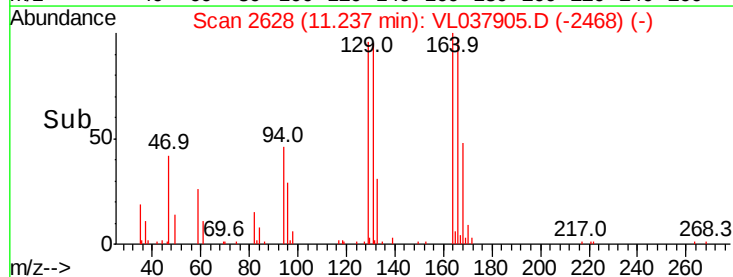
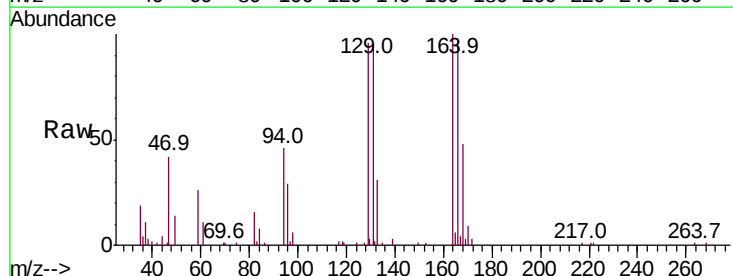
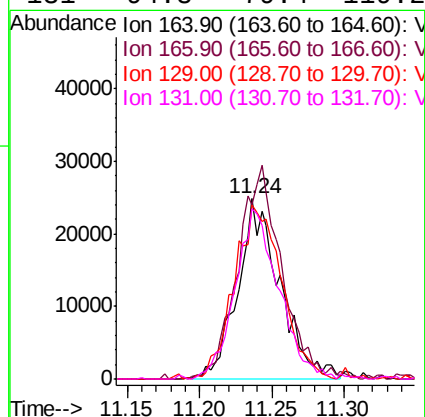
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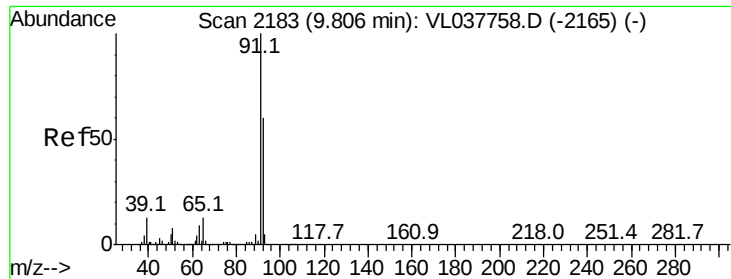
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#52
Tetrachloroethene
Concen: 0.359 ppbv m
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL037905.D
Acq: 25 Oct 2021 22:23

Tgt Ion:164 Resp: 50775
Ion Ratio Lower Upper
164 100
166 96.5 95.4 143.2
129 96.4 82.2 123.4
131 94.8 79.4 119.2





#53

Toluene

Concen: 0.250 ppbv

RT: 9.82 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:

Ion Ratio

91 100

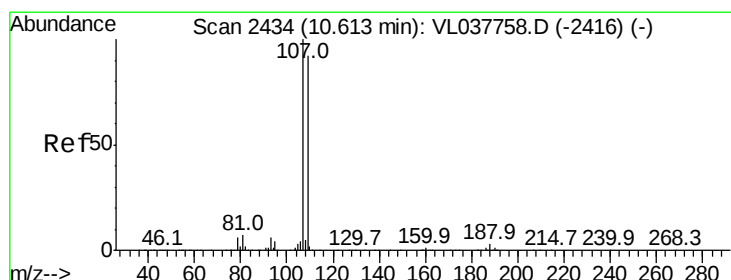
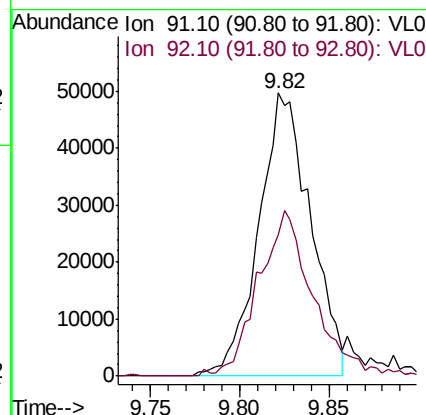
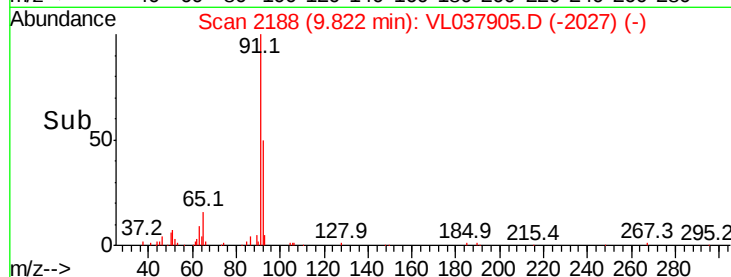
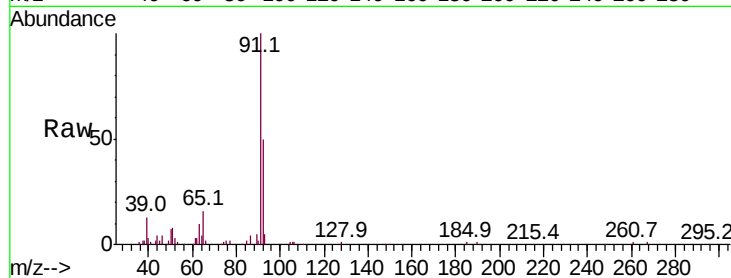
92 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#54

1,2-Dibromoethane

Concen: 0.327 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.02 min

Lab File: VL037905.D

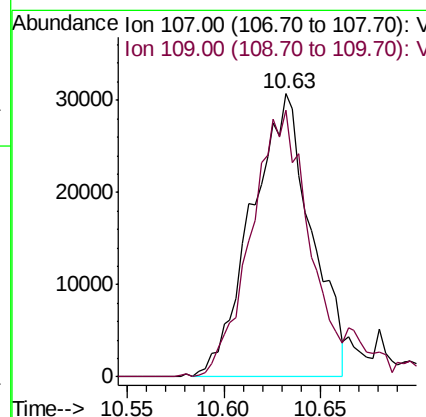
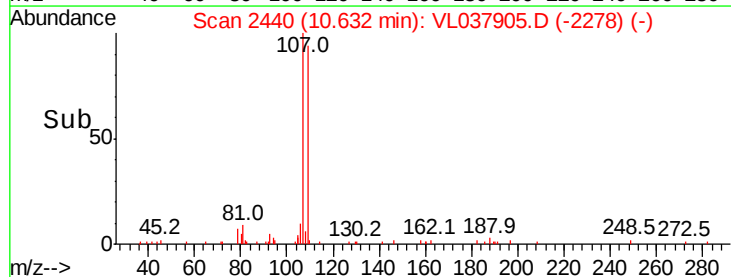
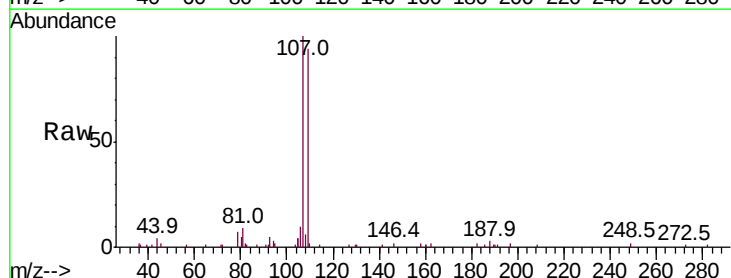
Acq: 25 Oct 2021 22:23

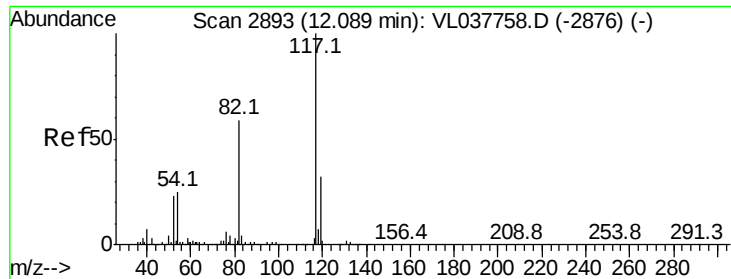
Tgt Ion:107 Resp: 65592

Ion Ratio Lower Upper

107 100

109 94.3 73.8 110.6



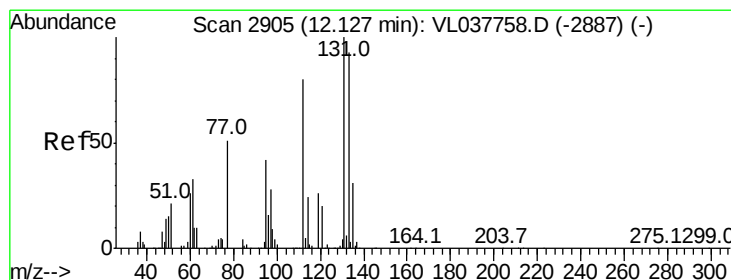
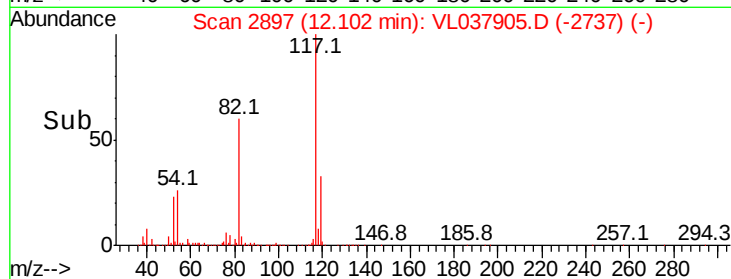
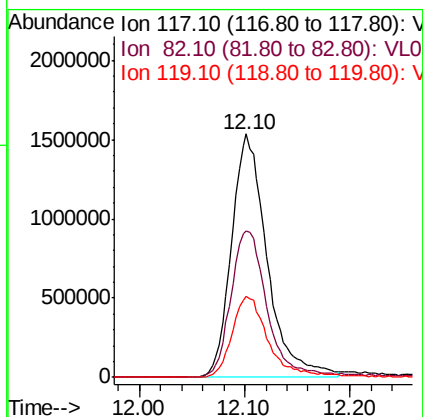
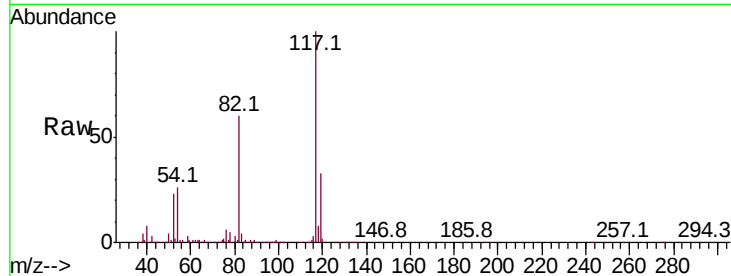


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: ClientSampleId :
Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

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

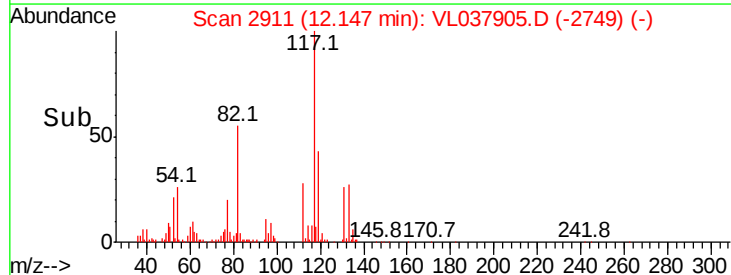
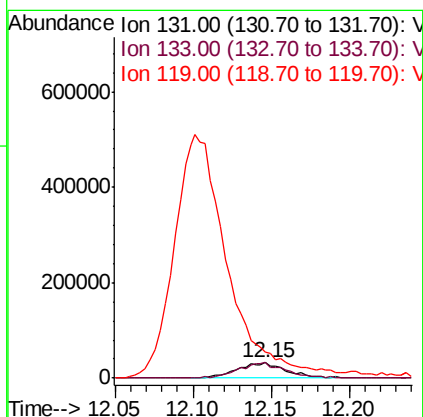
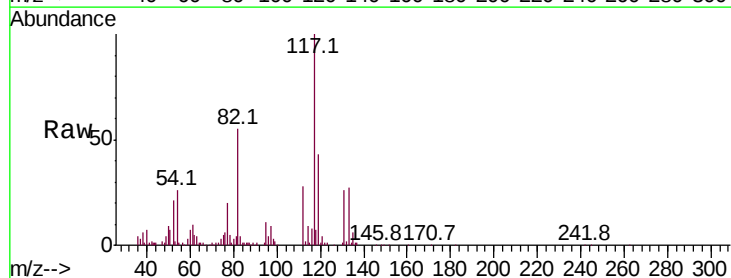
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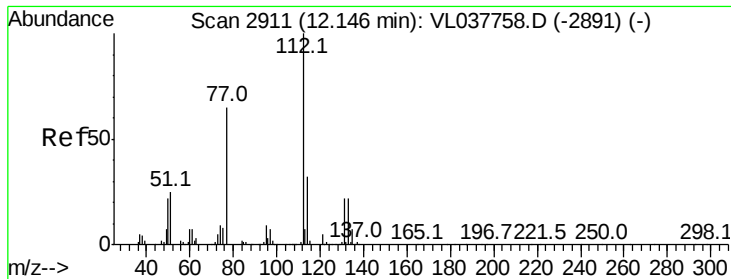
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 0.469 ppbv m
RT: 12.15 min Scan# 2911
Delta R.T. 0.02 min
Lab File: VL037905.D
Acq: 25 Oct 2021 22:23

Tgt Ion:131 Resp: 70025
Ion Ratio Lower Upper
131 100
133 102.0 78.5 117.7
119 0.0 51.7 77.5#



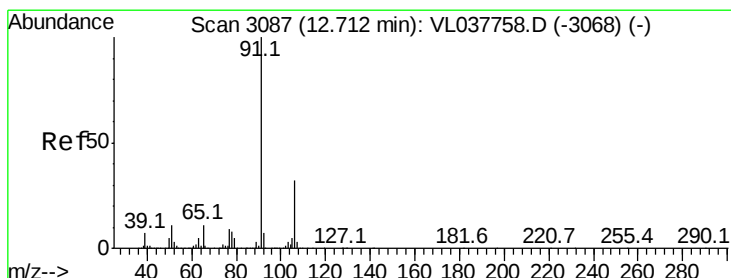
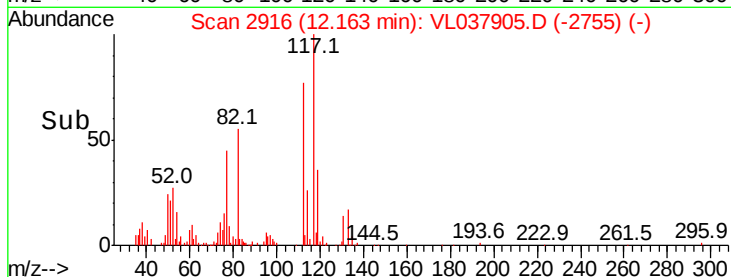
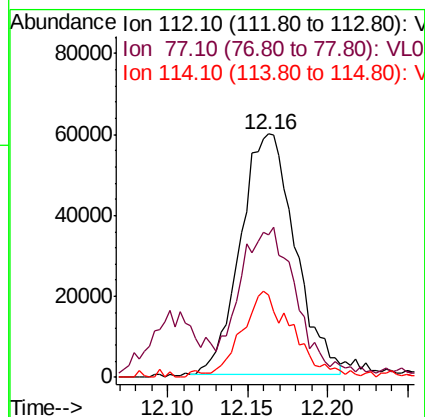
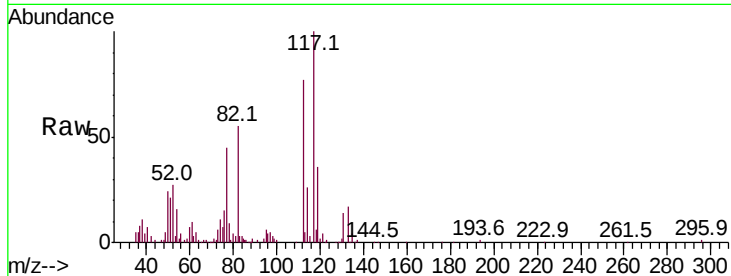


#57
Chlorobenzene
Concen: 0.473 ppbv
RT: 12.16 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: ClientSampleId :
Acq: 25 Oct 2021 22:23 MDL-AIR-03-OT4-2021

Tot Ion: 1
Ion Ratio
112 100
77 54.
114 31.

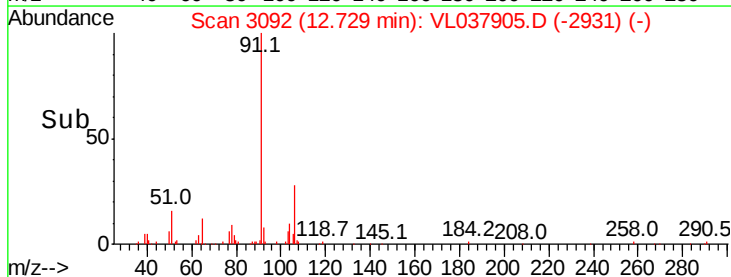
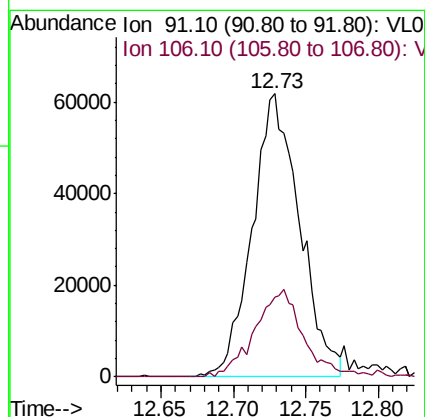
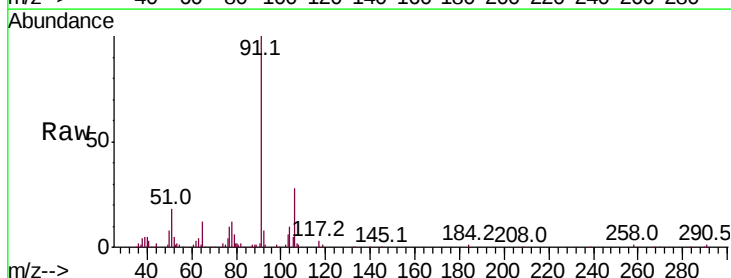
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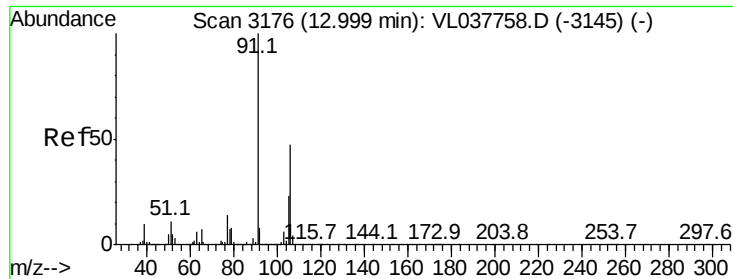
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#58
Ethyl Benzene
Concen: 0.290 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. 0.02 min
Lab File: VL037905.D
Acq: 25 Oct 2021 22:23

Tgt Ion: 91 Resp: 140356
Ion Ratio Lower Upper
91 100
106 28.3 25.3 37.9



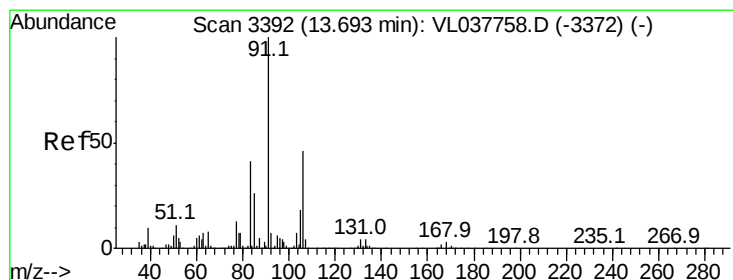
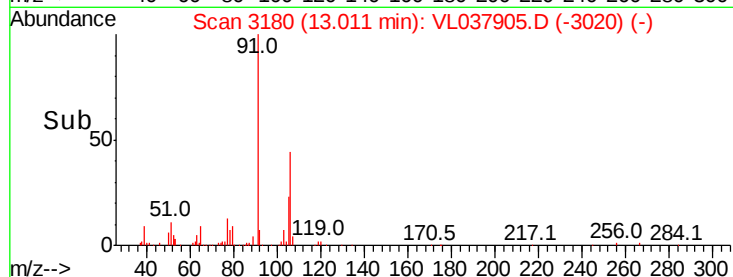
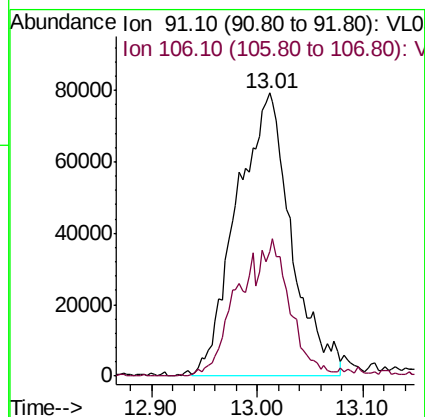
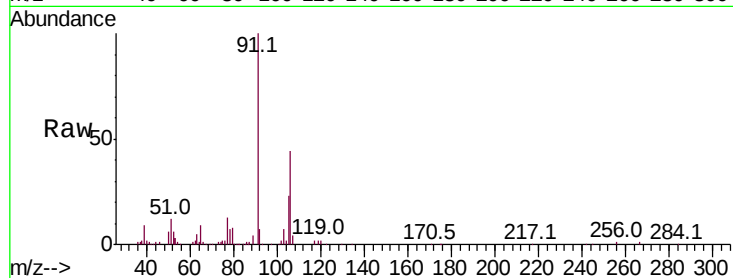


#59
m/p-Xylene
Concen: 0.685 ppbv m
RT: 13.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Ratio
91 100
106 46.

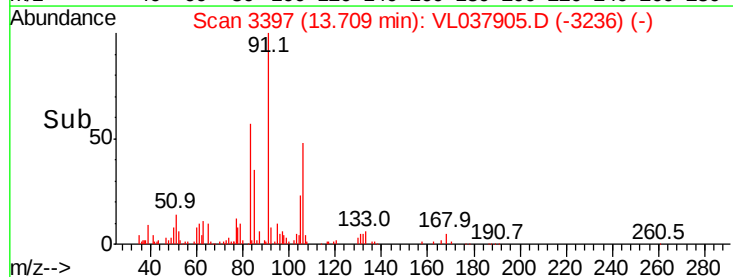
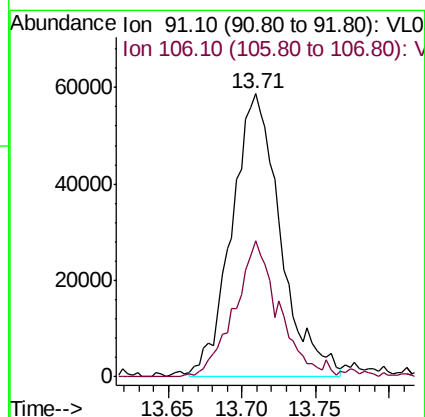
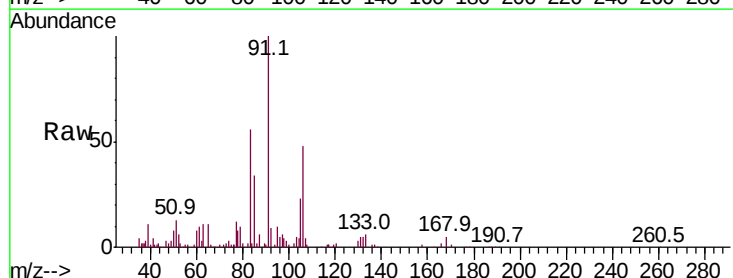
Manual Integrations
APPROVED

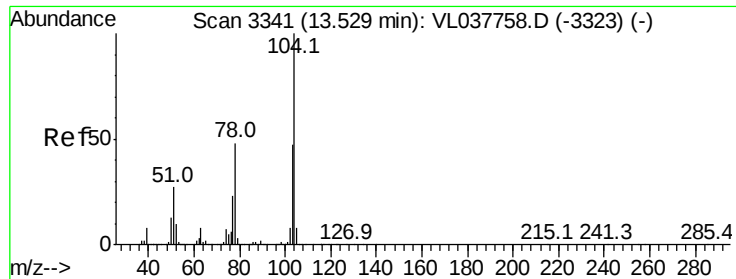
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#60
o-Xylene
Concen: 0.339 ppbv m
RT: 13.71 min Scan# 3397
Delta R.T. 0.02 min
Lab File: VL037905.D
Acq: 25 Oct 2021 22:23

Tgt Ion: 91 Resp: 135123
Ion Ratio Lower Upper
91 100
106 45.6 23.5 70.5





#61

Stvrene

Concen: 0.206 ppbv m

RT: 13.55

Delta R.T. MSVOA_L

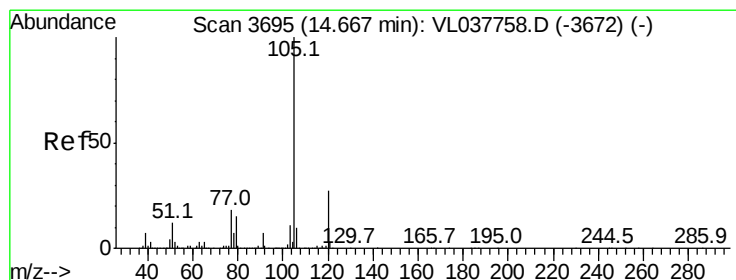
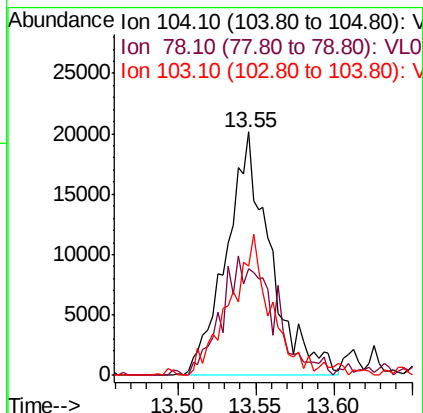
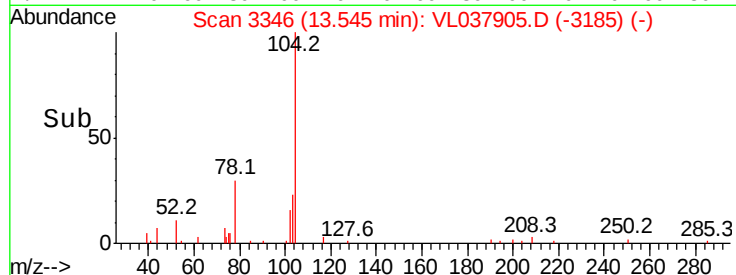
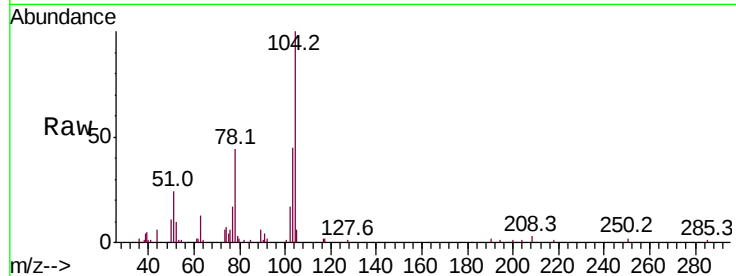
Lab File: ClientSampleId :

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:1
Ion Rati
104 100
78 58.
103 56.

Manual Integrations
APPROVED

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



#62

Isopropylbenzene

Concen: 0.396 ppbv m

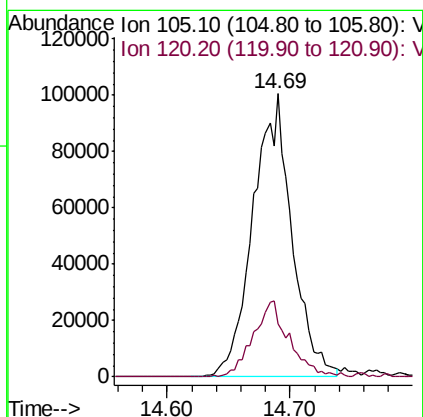
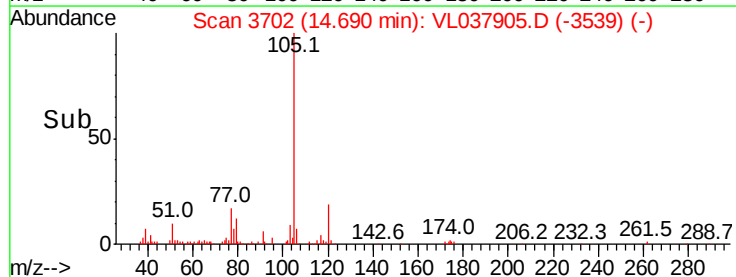
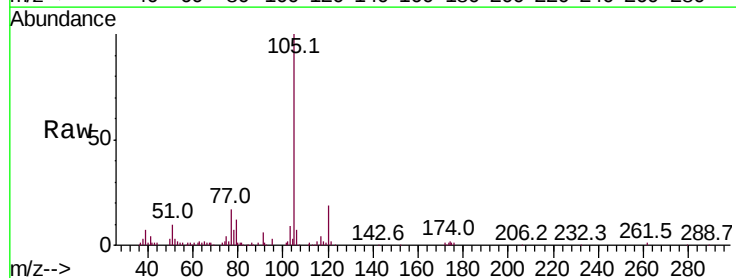
RT: 14.69 min Scan# 3702

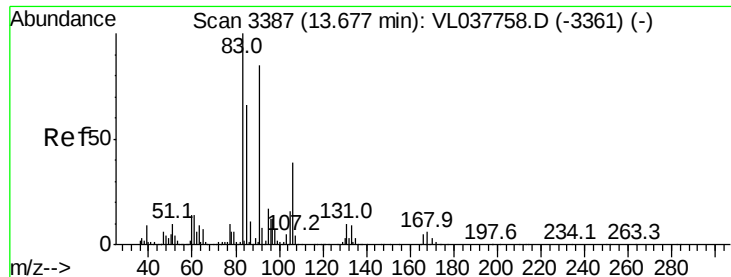
Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

Tgt Ion:105 Resp: 220275
Ion Ratio Lower Upper
105 100
120 0.0 21.3 31.9#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.432 ppbv

RT: 13.69

Delta R.T. MSVOA_L

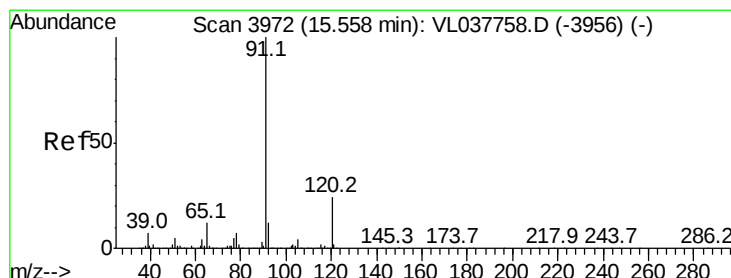
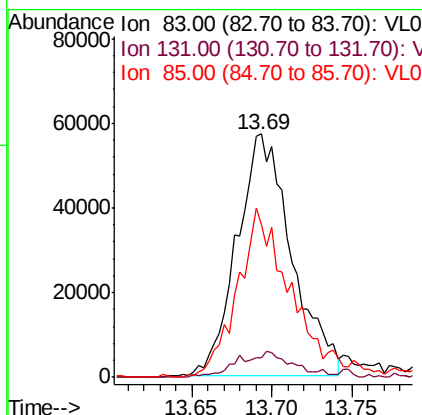
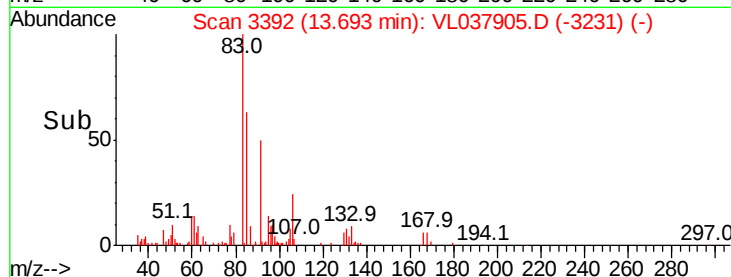
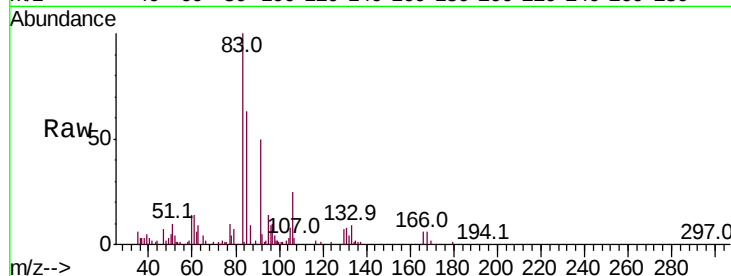
Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Ratio
83 100
131 11.
85 70.

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



#64

n-propylbenzene

Concen: 0.341 ppbv

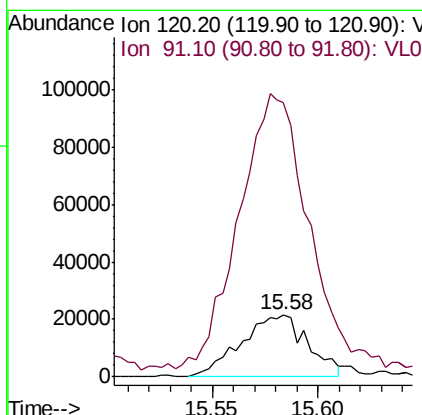
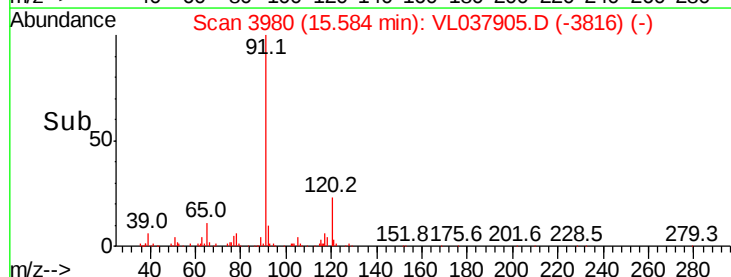
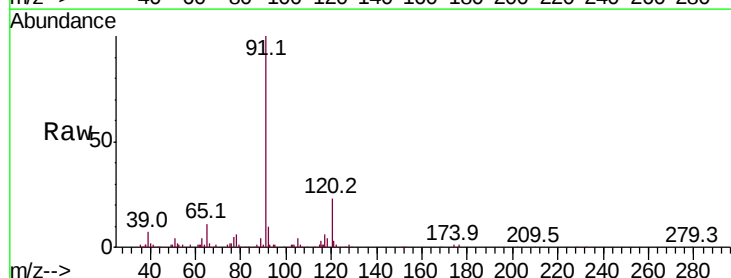
RT: 15.58 min Scan# 3980

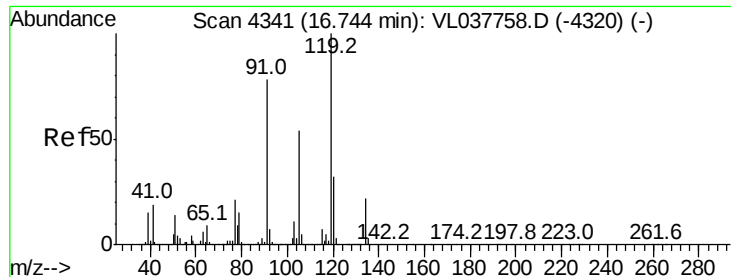
Delta R.T. 0.03 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

Tgt Ion:120 Resp: 47214
Ion Ratio Lower Upper
120 100
91 535.4 375.0 562.6



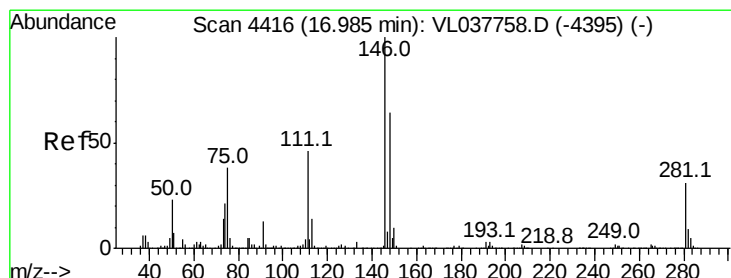
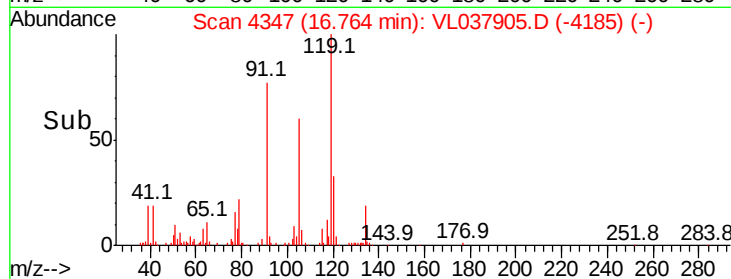
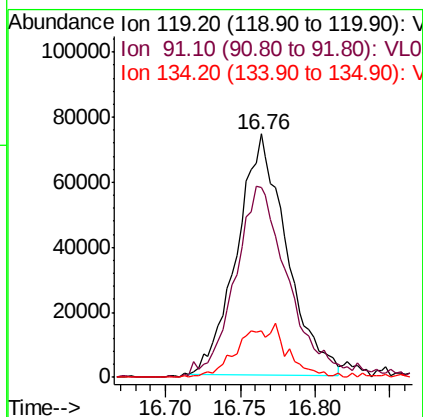
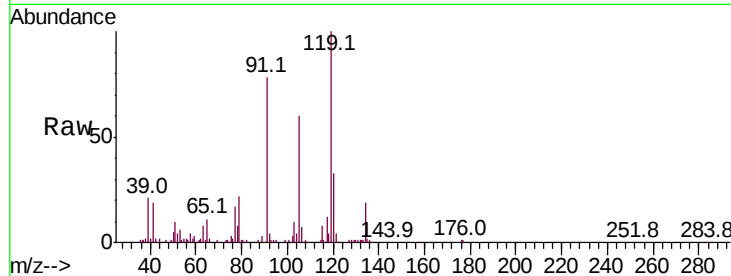


#65
tert-Butylbenzene
Concen: 0.349 ppbv
RT: 16.76 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion: 1
Ion Ratio
119 100
91 88.
134 21.

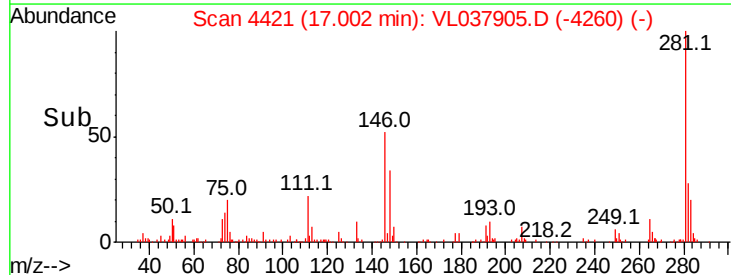
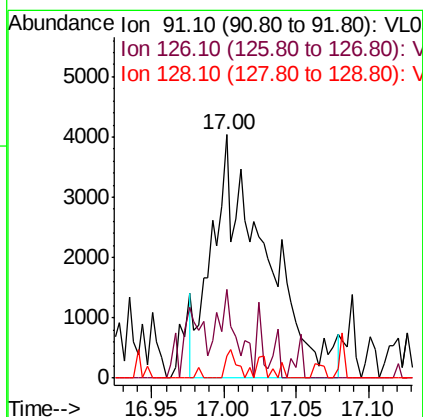
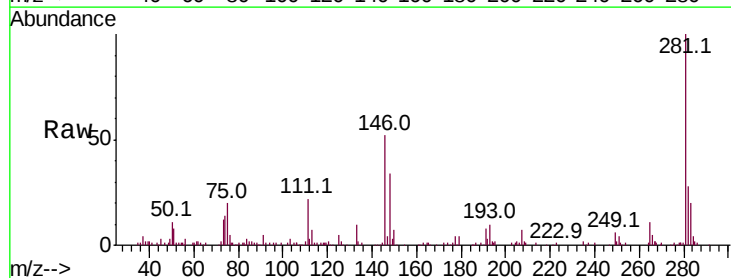
Manual Integrations
APPROVED

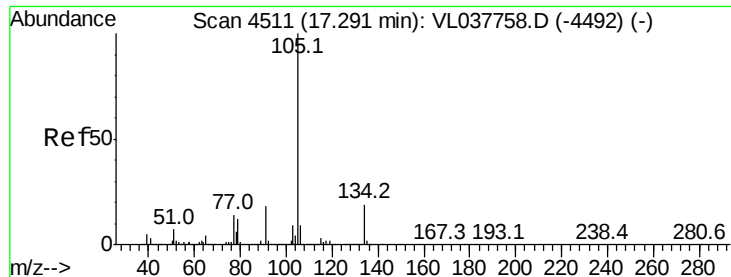
Reviewed By : Semsettin Yesilyurt 10/27/2021
Supervised By : Mahesh Dadoda 10/27/2021



#66
Benzyl Chloride
Concen: 0.425 ppbv m
RT: 17.00 min Scan# 4421
Delta R.T.: 0.02 min
Lab File: VL037905.D
Acq: 25 Oct 2021 22:23

Tgt Ion: 91 Resp: 10246
Ion Ratio Lower Upper
91 100
126 1.2 0.0 0.0#
128 0.0 5.3 7.9#





#67

sec-Butylbenzene

Concen: 0.358 ppbv

RT: 17.31

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:1

Ion Ratio

105 100

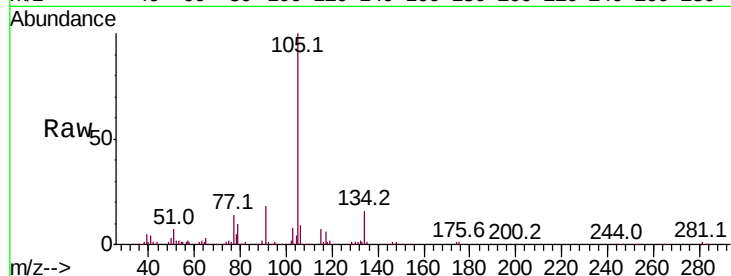
134 18.

Manual Integrations

APPROVED

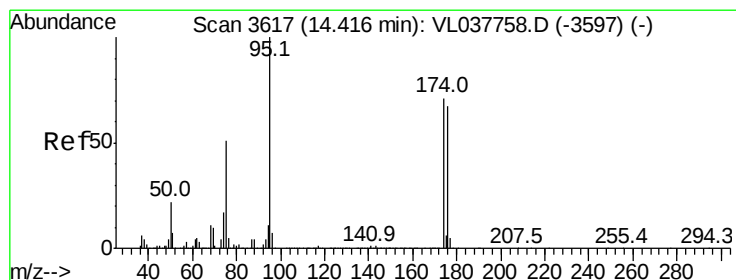
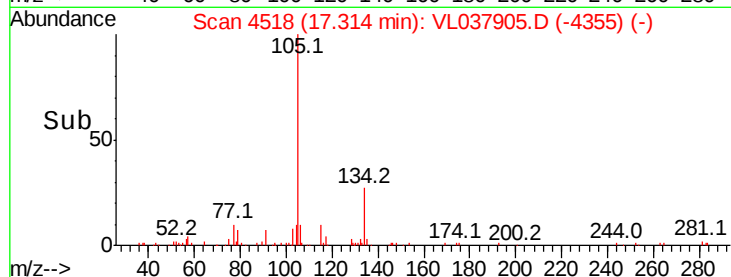
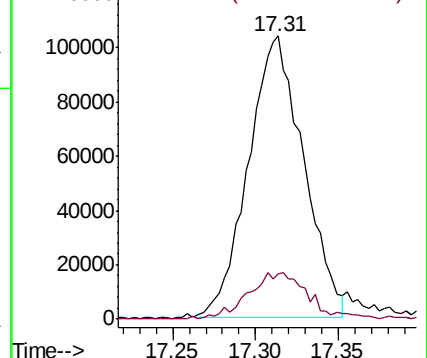
Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.230 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.01 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

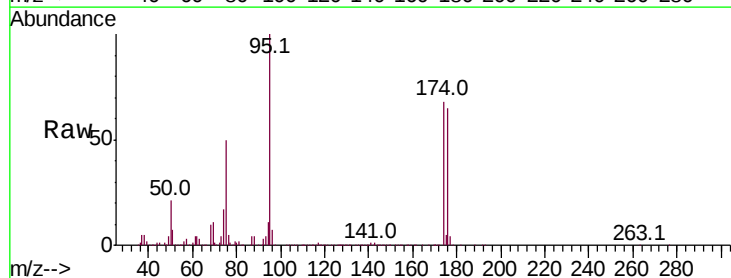
Tgt Ion: 95 Resp: 2580090

Ion Ratio Lower Upper

95 100

174 73.7 57.8 86.6

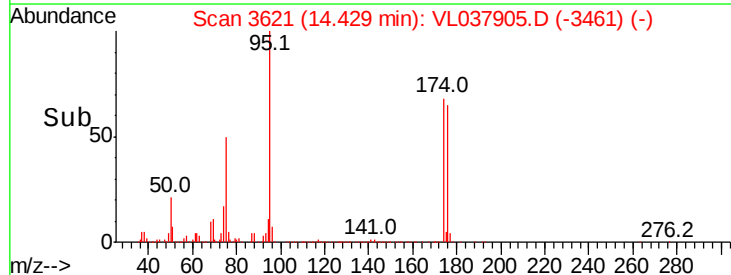
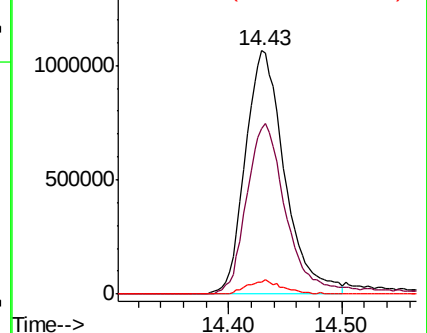
175 5.5 4.7 7.1

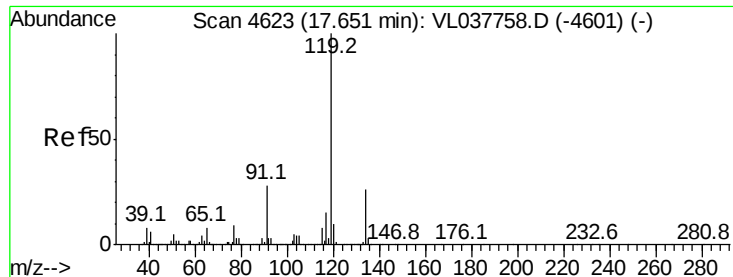


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.317 ppbv

RT: 17.68

Delta R.T. MSVOA_L

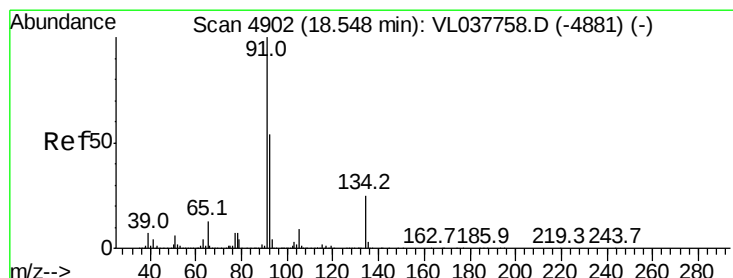
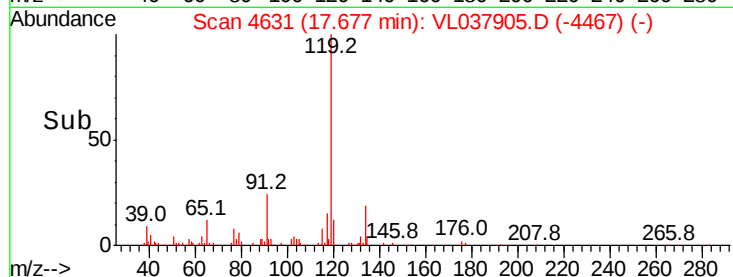
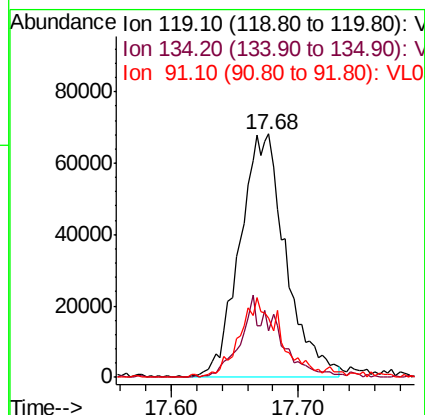
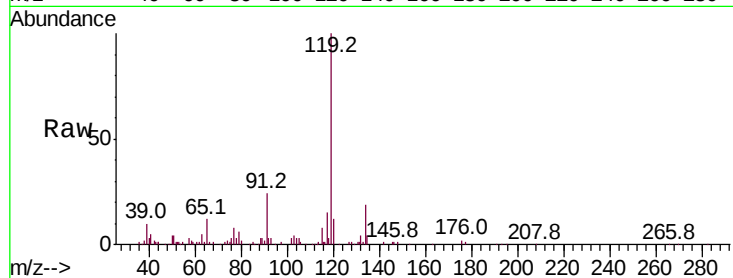
Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion: 1
Ion Ratio
119 100
134 27.
91 30.

Manual Integrations
APPROVED

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



#70

n-Butylbenzene

Concen: 0.298 ppbv

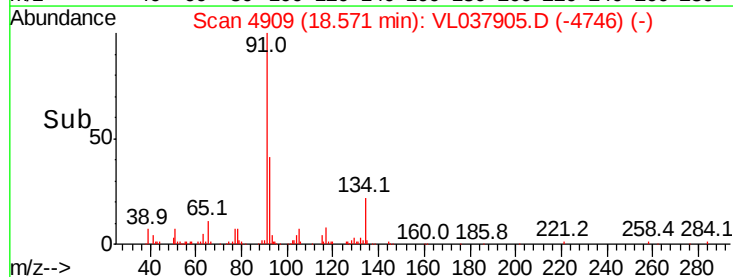
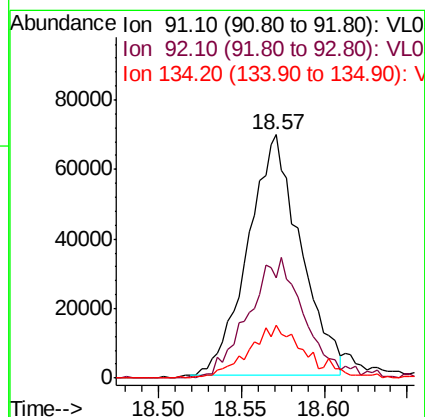
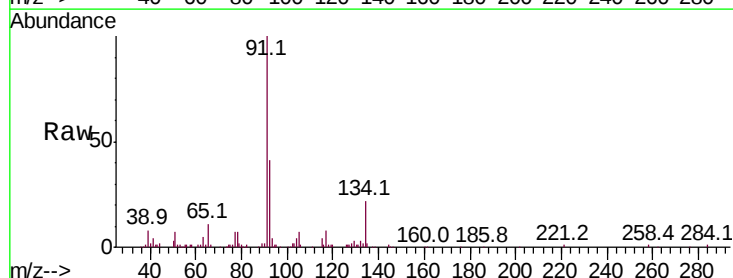
RT: 18.57 min Scan# 4909

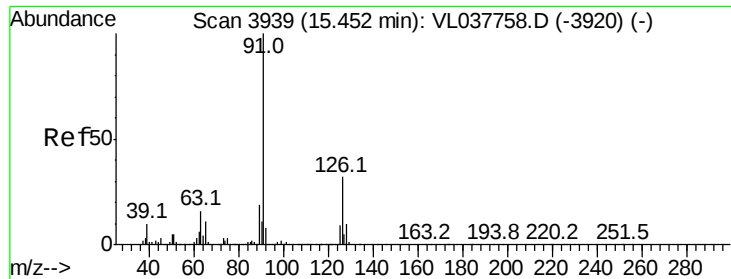
Delta R.T. 0.02 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

Tgt Ion: 91 Resp: 153189
Ion Ratio Lower Upper
91 100
92 53.9 43.4 65.0
134 23.9 19.8 29.6



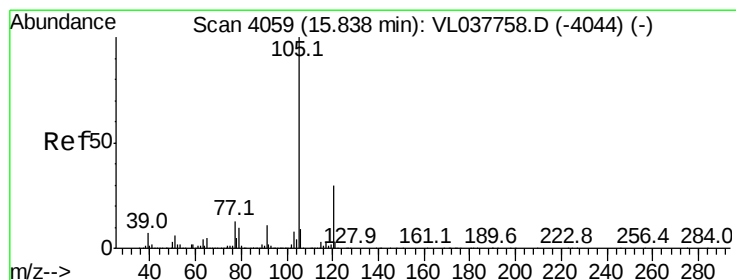
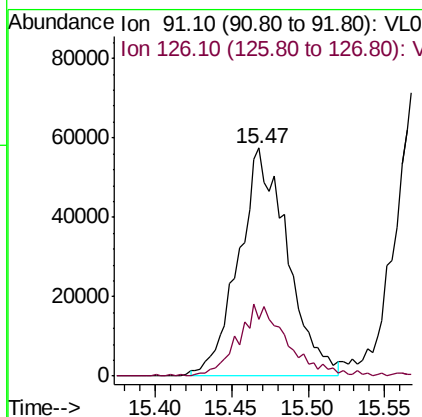
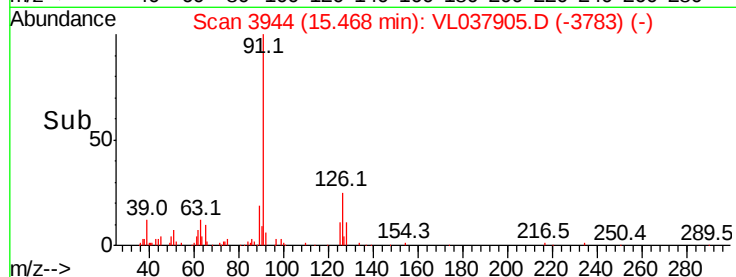
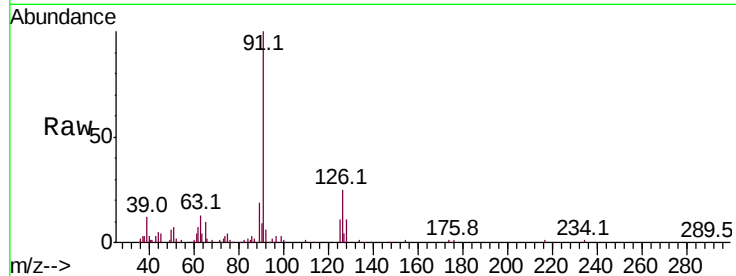


#71
2-Chlorotoluene
Concen: 0.325 ppbv m
RT: 15.47
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Rati
91 100
126 31.

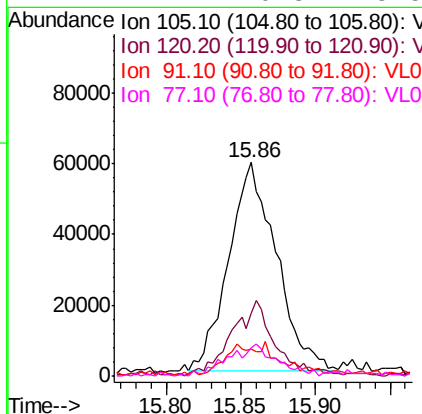
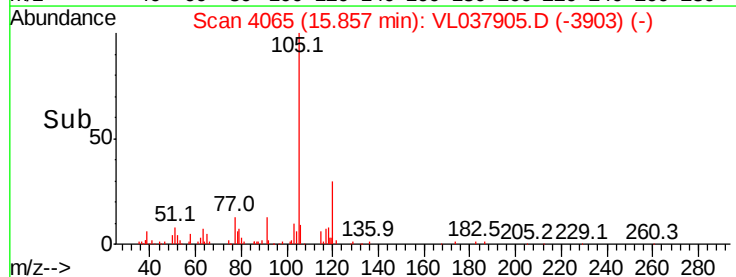
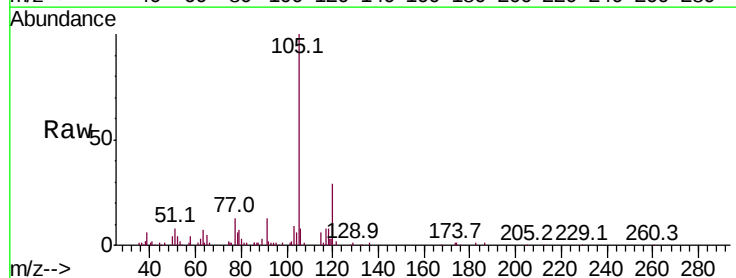
Manual Integrations
APPROVED

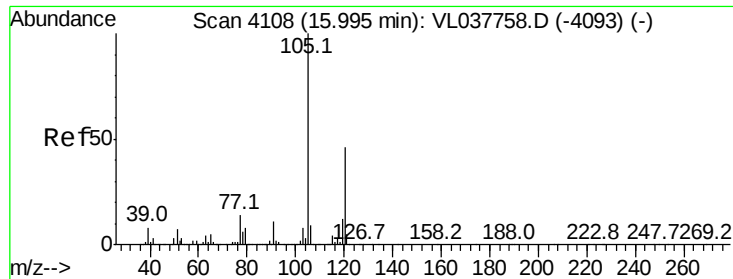
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#72
4-Ethyltoluene
Concen: 0.287 ppbv
RT: 15.86 min Scan# 4065
Delta R.T. 0.02 min
Lab File: VL037905.D
Acq: 25 Oct 2021 22:23

Tgt Ion:105 Resp: 129755
Ion Ratio Lower Upper
105 100
120 34.3 24.2 36.2
91 18.1 10.4 15.6#
77 17.4 10.3 15.5#



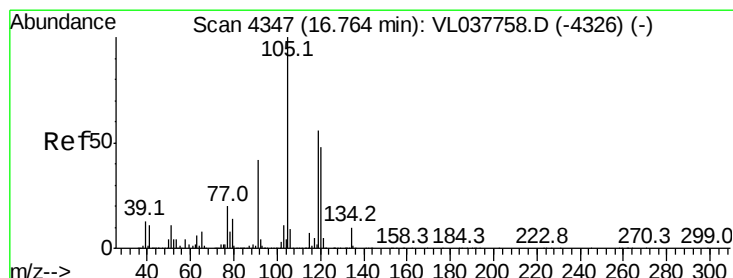
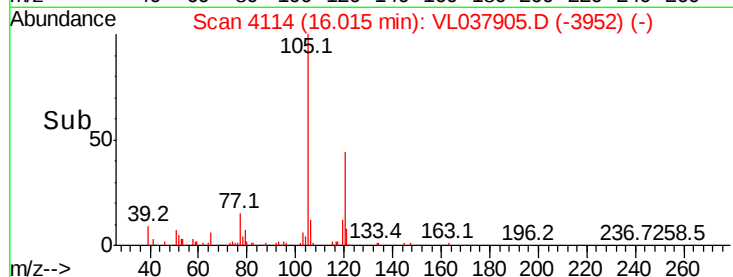
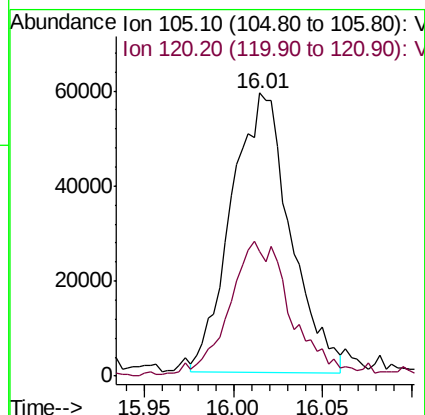
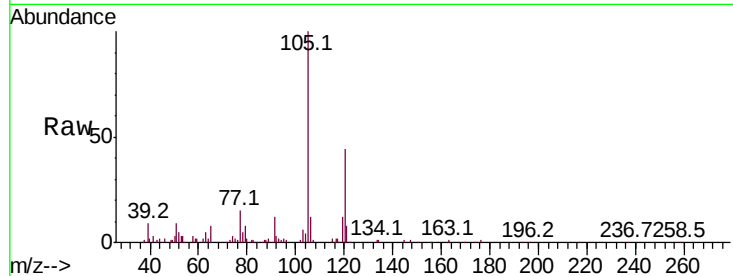


#73
 1,3,5-Trimethylbenzene
 Concen: 0.329 ppbv
 RT: 16.01
 Instrument: MSVOA_1
 Delta R.T.
 Lab File: ClientSampleId :
 Acq: 25 Oct 2021 22:23

Tot Ion:1
 Ion Rati
 105 100
 120 42.

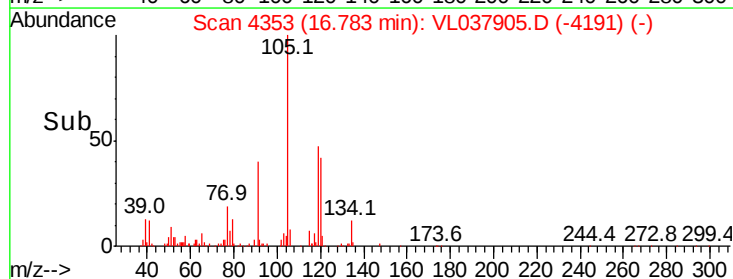
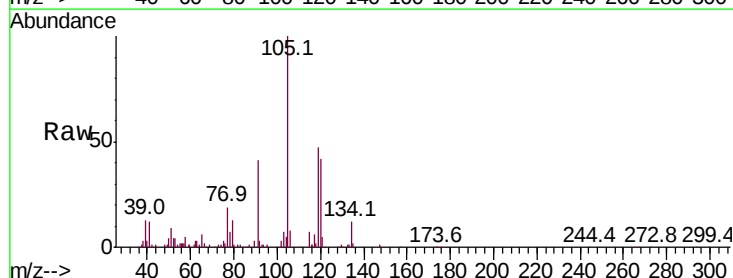
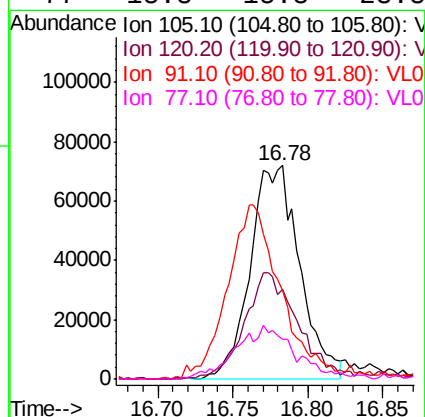
Manual Integrations
 APPROVED

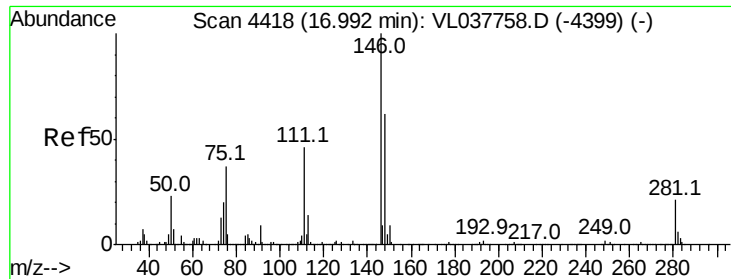
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 0.383 ppbv m
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.02 min
 Lab File: VL037905.D
 Acq: 25 Oct 2021 22:23

Tgt Ion:105 Resp: 165055
 Ion Ratio Lower Upper
 105 100
 120 41.9 38.4 57.6
 91 41.2 34.2 51.2
 77 18.8 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 0.435 ppbv m

RT: 17.01

Delta R.T. MSVOA_L

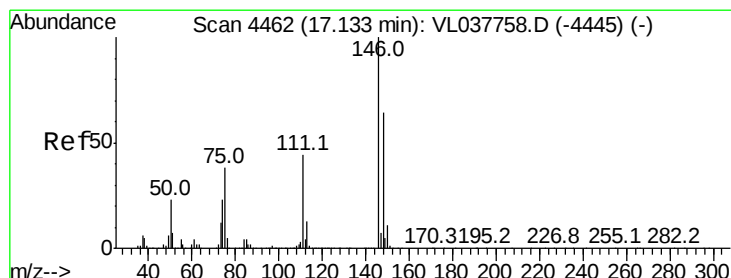
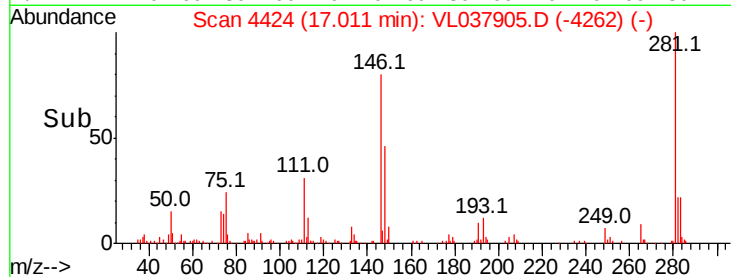
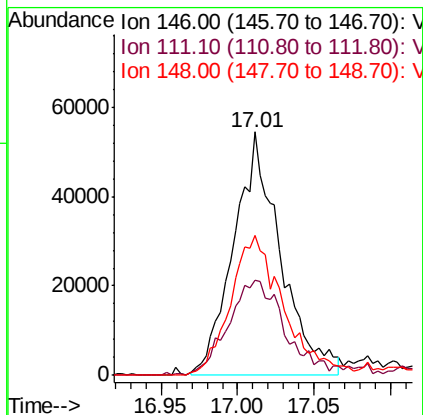
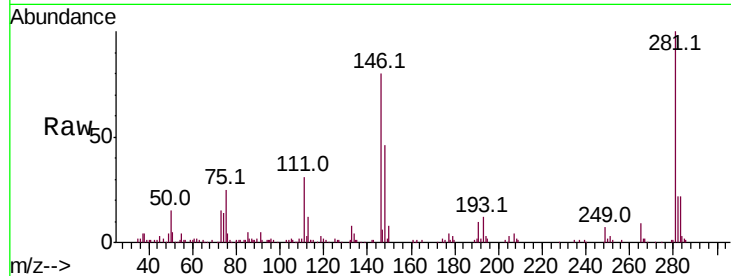
Lab File: ClientSampleId :

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:1
Ion Rati
146 100
111 49.
148 65.

Manual Integrations
APPROVED

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



#76

1,4-Dichlorobenzene

Concen: 0.377 ppbv m

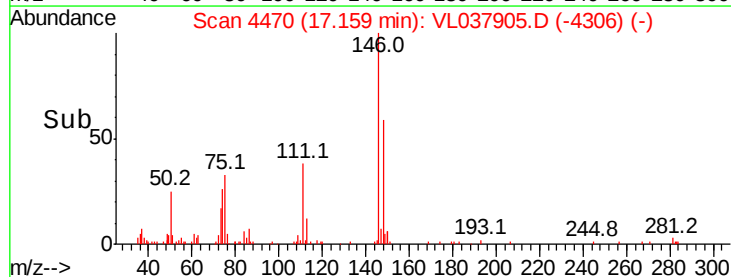
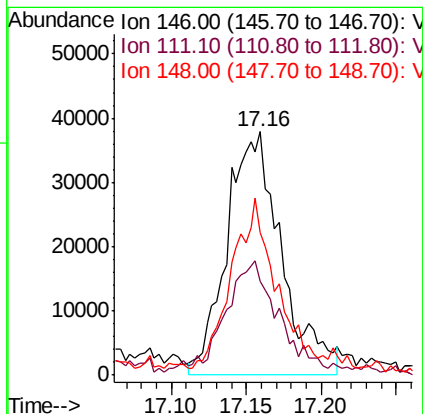
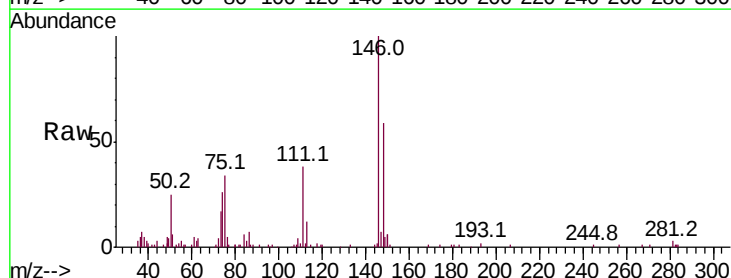
RT: 17.16 min Scan# 4470

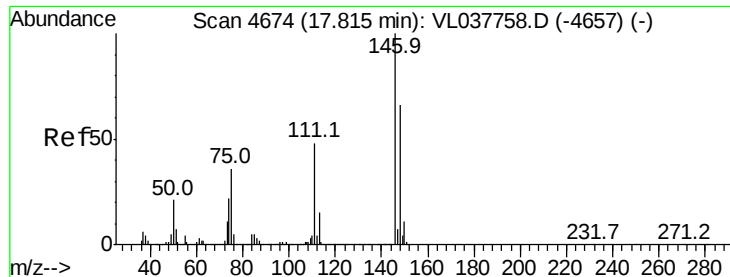
Delta R.T. 0.03 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

Tgt Ion:146 Resp: 96169
Ion Ratio Lower Upper
146 100
111 0.0 22.4 67.3#
148 0.0 33.3 99.9#



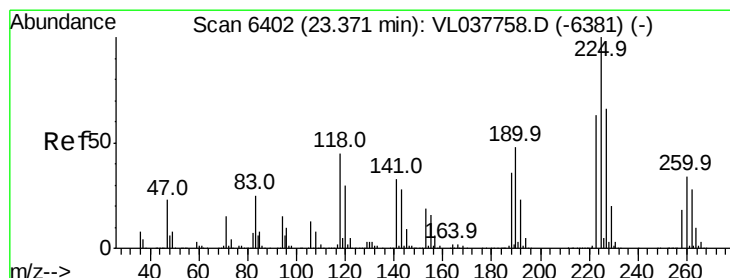
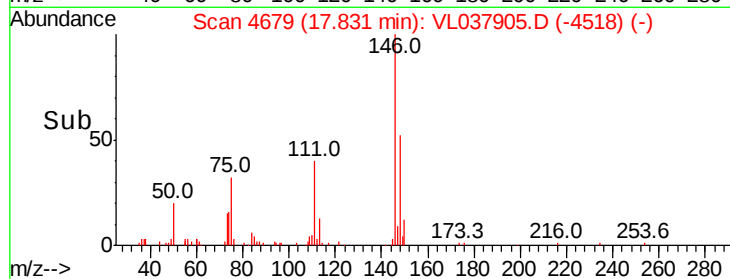
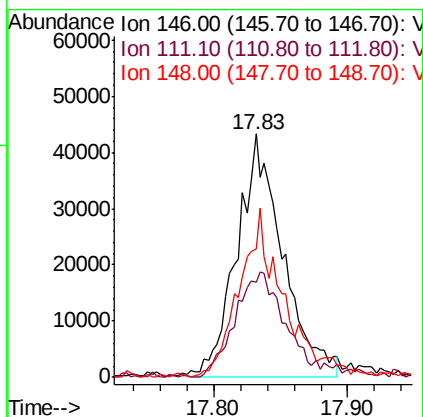
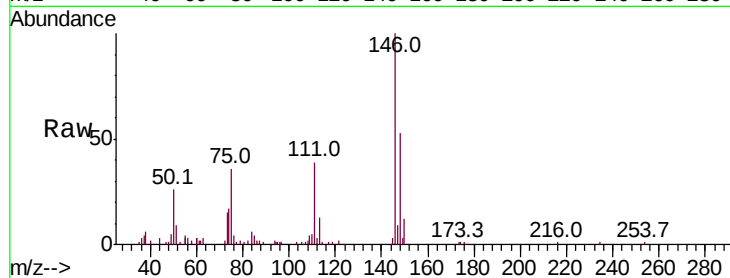


#77
 1,2-Dichlorobenzene
 Concen: 0.403 ppbv m
 RT: 17.83
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:1
 Ion Rati
 146 100
 111 49.
 148 66.

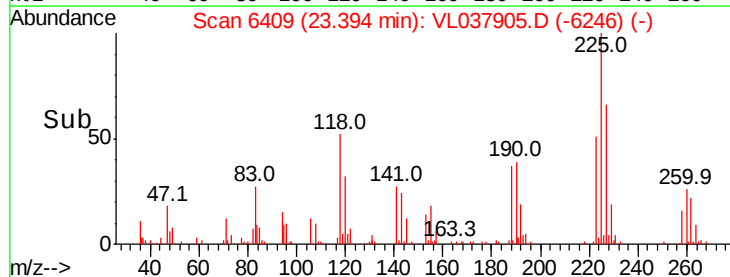
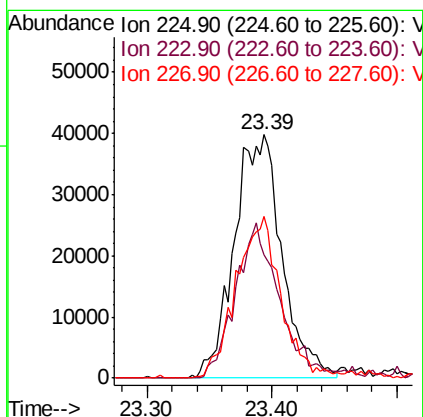
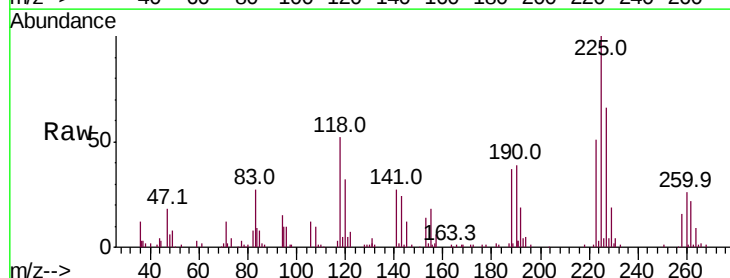
Manual Integrations
 APPROVED

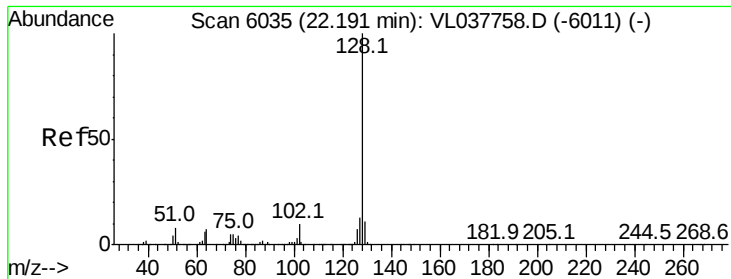
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.503 ppbv m
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.02 min
 Lab File: VL037905.D
 Acq: 25 Oct 2021 22:23

Tgt Ion:225 Resp: 105401
 Ion Ratio Lower Upper
 225 100
 223 60.9 51.2 76.8
 227 64.2 51.1 76.7





#79

Naphthalene

Concen: 0.205 ppbv m

RT: 22.22

Delta R.T. MSVOA_L

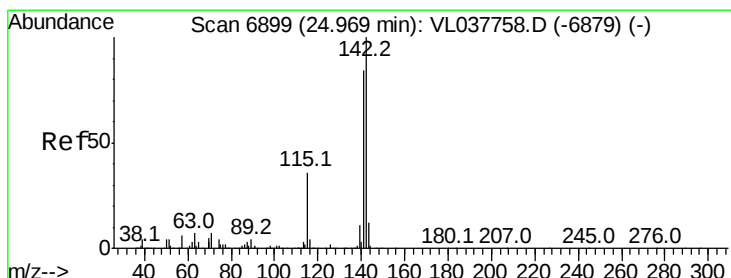
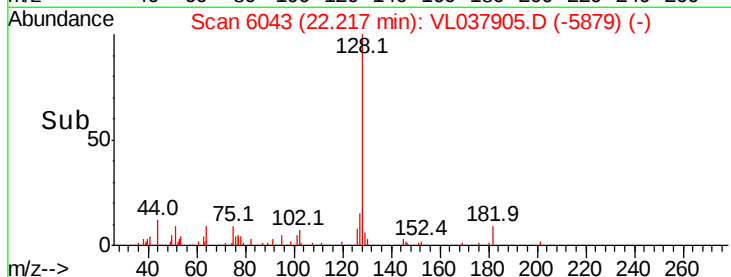
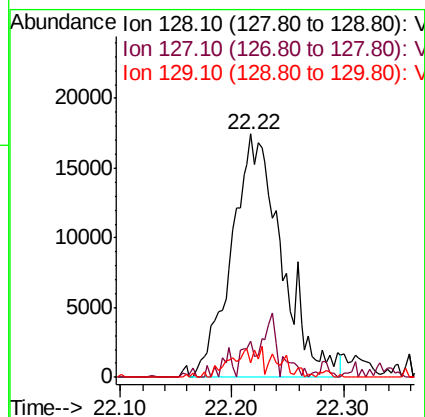
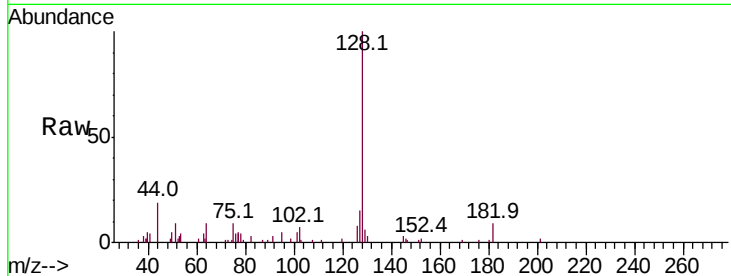
Lab File: ClientSampleId:

Acq: 25 Oct 2021 22:23 MDL-AIR-03-QT4-2021

Tot Ion:1
Ion Rati
128 100
127 14.
129 6.

Manual Integrations
APPROVED

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



#80

Naphthalene, 2-methyl-

Concen: 0.097 ppbv m

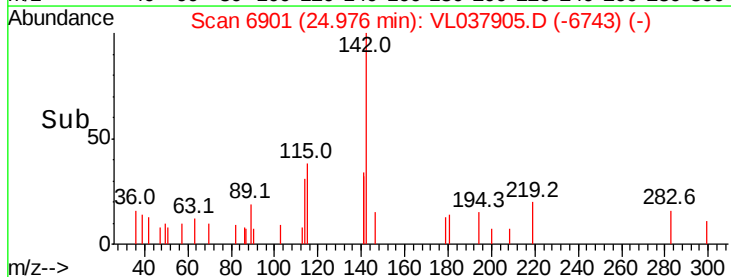
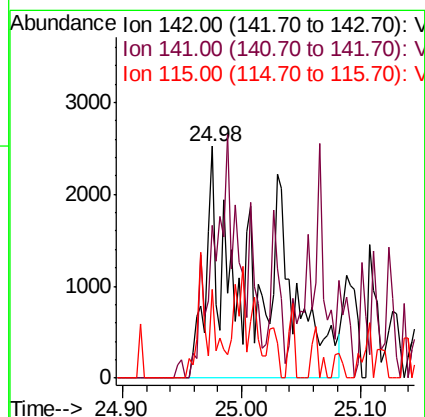
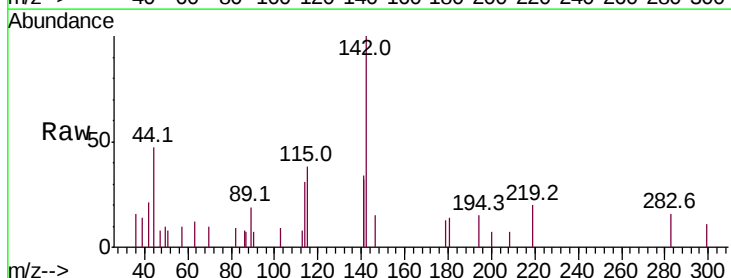
RT: 24.98 min Scan# 6901

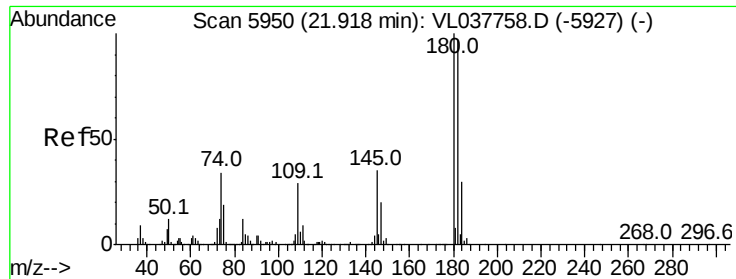
Delta R.T. 0.01 min

Lab File: VL037905.D

Acq: 25 Oct 2021 22:23

Tgt Ion:142 Resp: 6917
Ion Ratio Lower Upper
142 100
141 77.6 68.6 102.8
115 24.6 29.0 43.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.290 ppbv m
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 MDL-AIR-03-QT4-2021
 Acq: 25 Oct 2021 22:23

Tot Ion:1
 Ion Rati
 180 100
 182 103.
 184 0.

Manual Integrations
 APPROVED

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

