

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037928.D
 Acq On : 27 Oct 2021 22:44
 Operator : SY/AP
 Sample : M4068-14 0.5 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOQ-AIR-02-QT4-2021

Manual Integrations
 APPROVED

Quant Time: Oct 28 14:06:20 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 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1335198	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4052640	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3348253	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2391922	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	119791	0.562 ppbv	95
3) Chlorodifluoromethane	3.00	51	146401	0.571 ppbv	100
4) Chloromethane	3.15	50	59702m	0.635 ppbv	
5) Vinyl Chloride	3.27	62	45140	0.524 ppbv	94
6) Bromomethane	3.48	94	26896m	0.577 ppbv	
7) Chloroethane	3.57	64	19171m	0.605 ppbv	
8) Dichlorotetrafluoroethane	3.20	85	123852	0.588 ppbv	98
9) Propene	3.02	41	46015	0.487 ppbv	98
10) Heptane	8.14	43	86899m	0.405 ppbv	
11) Trichlorofluoromethane	3.96	101	110550	0.581 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	78513	0.545 ppbv	92
13) Ethanol	3.64	45	4751m	0.615 ppbv	
14) Bromoethene	3.75	108	32919	0.519 ppbv #	97
15) Acetone	3.89	43	75045m	0.626 ppbv	
16) 1,3-Butadiene	3.34	39	45978m	0.527 ppbv	
17) tert-Butyl alcohol	4.32	59	61986m	0.502 ppbv	
18) 1,1-Dichloroethene	4.30	96	34031	0.519 ppbv	89
19) Isopropyl Alcohol	4.00	45	43794m	0.587 ppbv	
20) Methylene Chloride	4.36	84	36424m	0.601 ppbv	
21) Allyl Chloride	4.42	41	50591	0.476 ppbv	87
22) trans-1,2-Dichloroethene	4.90	96	32996m	0.501 ppbv	
23) Vinyl Acetate	5.09	43	72488	0.404 ppbv #	83
24) 1,1-Dichloroethane	5.02	63	76548m	0.585 ppbv	
25) Ethyl Acetate	5.70	43	151907	0.452 ppbv #	97
26) Hexane	5.70	57	71858	0.434 ppbv #	81
27) Carbon Disulfide	4.56	76	75564m	0.515 ppbv	
28) Methyl tert-Butyl Ether	5.06	73	64008m	0.464 ppbv	
29) Chloroform	5.76	83	125602	0.531 ppbv	98
30) Cyclohexane	7.14	84	68810m	0.490 ppbv	
31) cis-1,2-Dichloroethene	5.56	61	65878m	0.438 ppbv	
32) 1,1,1-Trichloroethane	6.52	97	112562	0.502 ppbv	95
34) 2-Butanone	5.28	43	71538m	0.437 ppbv	
35) Carbon Tetrachloride	7.02	117	111928	0.486 ppbv	85
36) Benzene	6.91	78	146996m	0.425 ppbv	
37) 1,2-Dichloroethane	6.31	62	81178m	0.498 ppbv	
38) Trichloroethene	7.84	130	59258m	0.433 ppbv	
39) 1,2-Dichloropropane	7.63	63	68017m	0.522 ppbv	
40) 1,4-Dioxane	7.89	88	17149m	0.526 ppbv	
41) Tetrahydrofuran	6.10	42	26977m	0.337 ppbv	
42) Bromodichloromethane	7.80	83	111229	0.465 ppbv #	97
43) Methyl Methacrylate	8.03	69	37177m	0.329 ppbv	

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Instrument :
 MSVOA L
 ClientSampleId :
 LOQ-AIR-02-QT4-2021

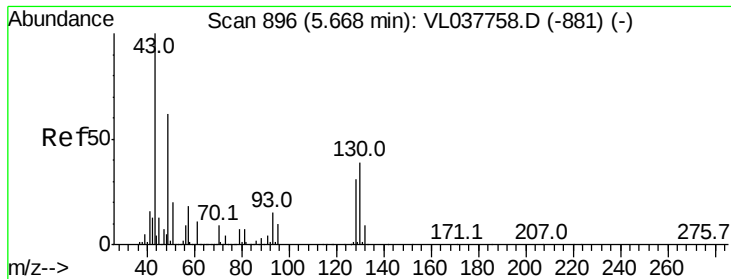
Manual Integrations
 APPROVED

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

Quant Time: Oct 28 14:06:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	253595m	0.436	ppbv	
45) t-1,3-Dichloropropene	9.29	75	23330m	0.300	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	37894m	0.351	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	68501m	0.484	ppbv	
48) Dibromochloromethane	10.31	129	83470m	0.414	ppbv	
49) Bromoform	13.05	173	60451m	0.392	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	74808m	0.351	ppbv	
51) 2-Hexanone	10.17	43	32352m	0.340	ppbv	
52) Tetrachloroethene	11.24	164	55273m	0.410	ppbv	
53) Toluene	9.82	91	126665m	0.330	ppbv	
54) 1,2-Dibromoethane	10.62	107	78218m	0.409	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	75843	0.547	ppbv #	1
57) Chlorobenzene	12.15	112	150234	0.547	ppbv #	93
58) Ethyl Benzene	12.72	91	165876m	0.369	ppbv	
59) m/p-Xylene	13.00	91	330207m	0.856	ppbv	
60) o-Xylene	13.70	91	142239	0.385	ppbv	97
61) Styrene	13.54	104	48698m	0.272	ppbv	
62) Isopropylbenzene	14.68	105	238891m	0.463	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	157372m	0.551	ppbv	
64) n-propylbenzene	15.57	120	53473m	0.416	ppbv	
65) tert-Butylbenzene	16.75	119	208596m	0.459	ppbv	
66) Benzyl Chloride	17.00	91	8627m	0.385	ppbv	
67) sec-Butylbenzene	17.30	105	264883	0.427	ppbv	97
69) p-Isopropyltoluene	17.66	119	198864m	0.396	ppbv	
70) n-Butylbenzene	18.56	91	177302	0.372	ppbv	97
71) 2-Chlorotoluene	15.46	91	137662	0.378	ppbv	99
72) 4-Ethyltoluene	15.85	105	157849	0.376	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.01	105	150708	0.395	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	182712m	0.456	ppbv	
75) 1,3-Dichlorobenzene	17.00	146	127383	0.513	ppbv	97
76) 1,4-Dichlorobenzene	17.14	146	117579m	0.497	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	109228	0.458	ppbv	94
78) Hexachloro-1,3-Butadiene	23.38	225	109295	0.561	ppbv	97
79) Naphthalene	22.22	128	59205m	0.241	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	16785m	0.255	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	54937m	0.350	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: LOQ-AIR-02-QT4-2021

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

49 100

128 54.

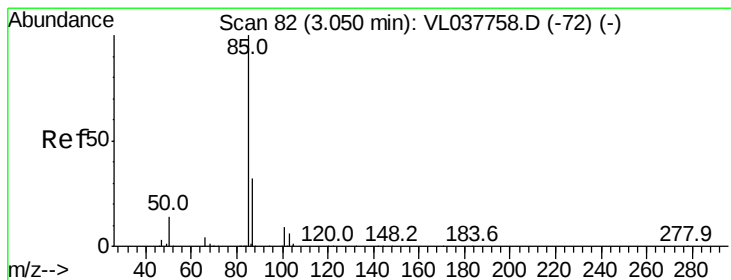
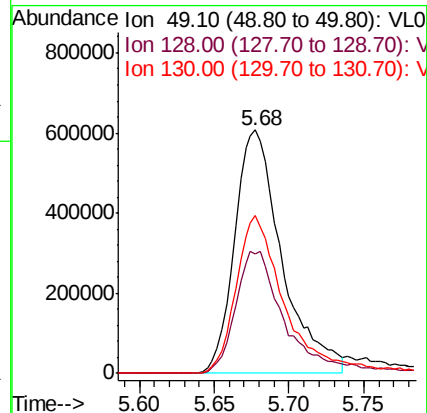
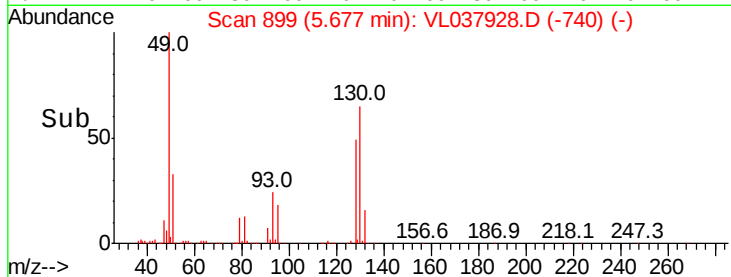
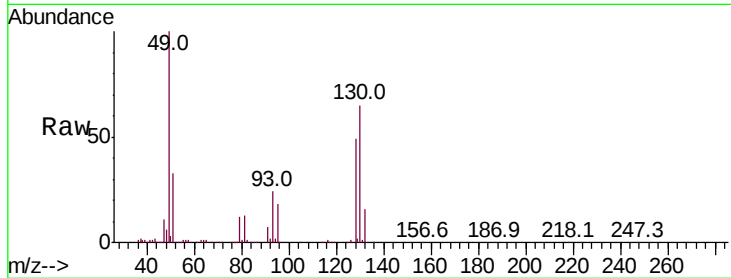
130 68.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/29/2021



#2

Dichlorodifluoromethane

Concen: 0.562 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL037928.D

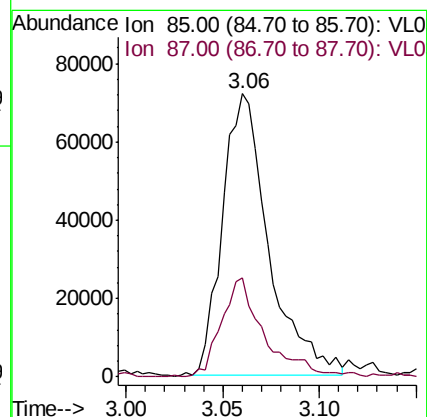
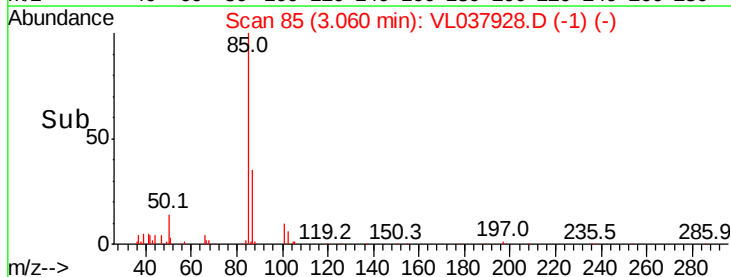
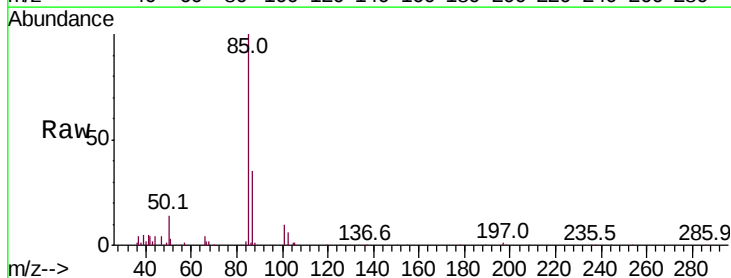
Acq: 27 Oct 2021 22:44

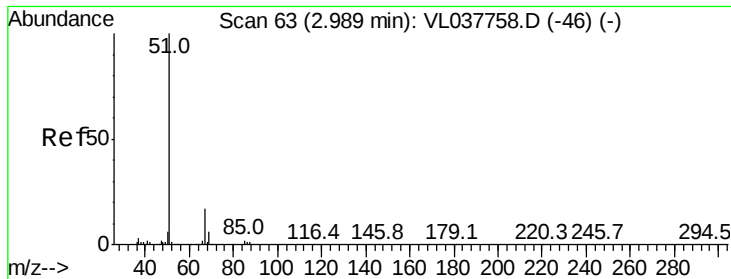
Tgt Ion: 85 Resp: 119791

Ion Ratio Lower Upper

85 100

87 34.7 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.571 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

51 100

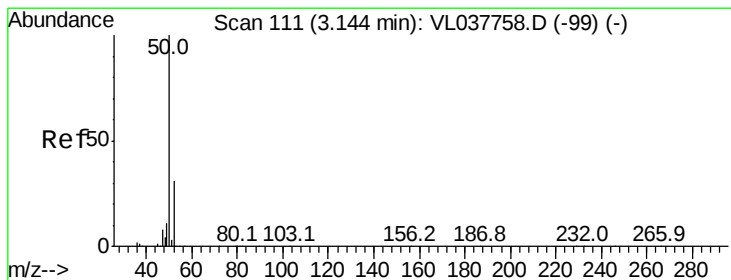
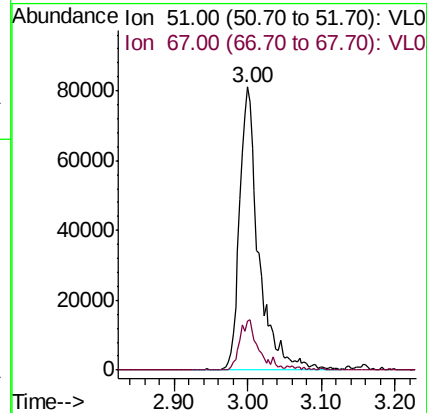
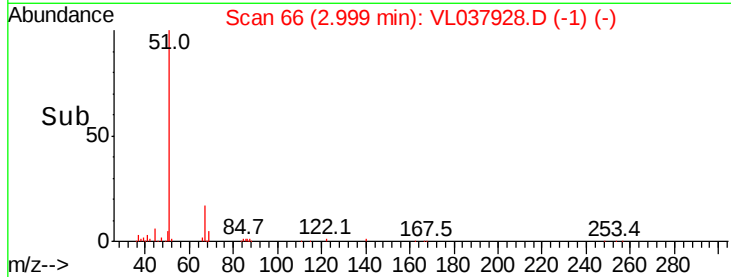
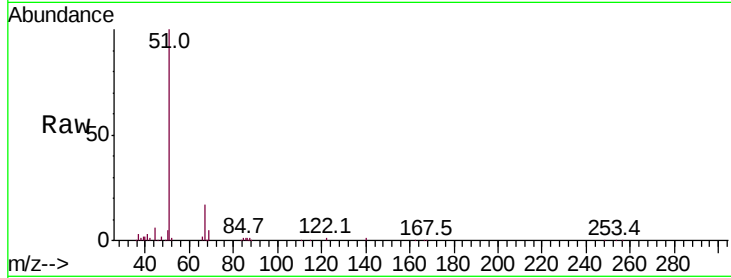
67 17.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/29/2021



#4

Chloromethane

Concen: 0.635 ppbv m

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL037928.D

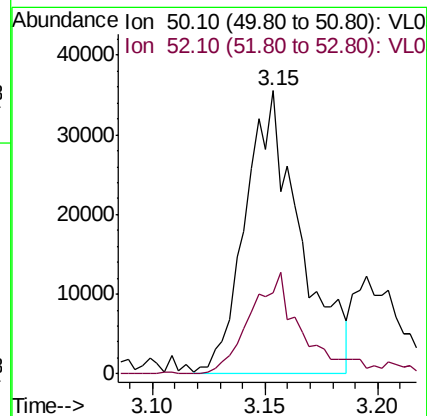
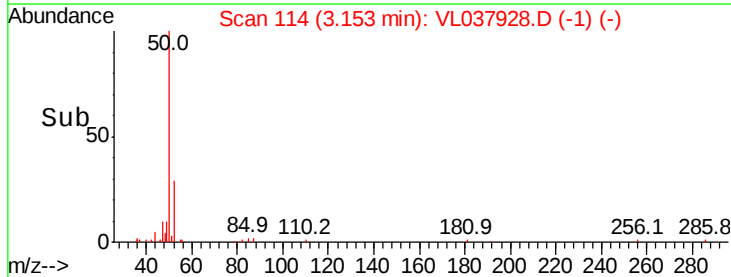
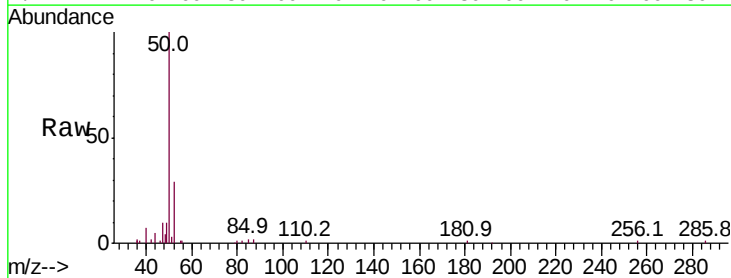
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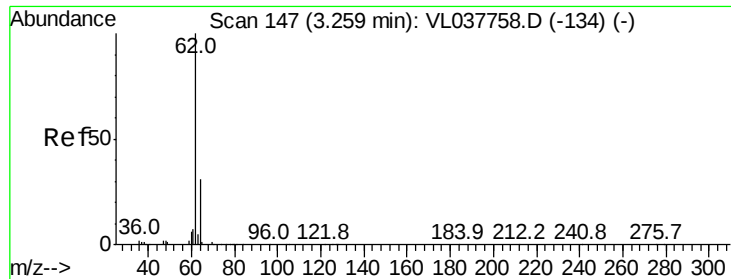
Tgt Ion: 50 Resp: 59702

Ion Ratio Lower Upper

50 100

52 28.5 24.4 36.6





#5

Vinyl Chloride

Concen: 0.524 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

62 100

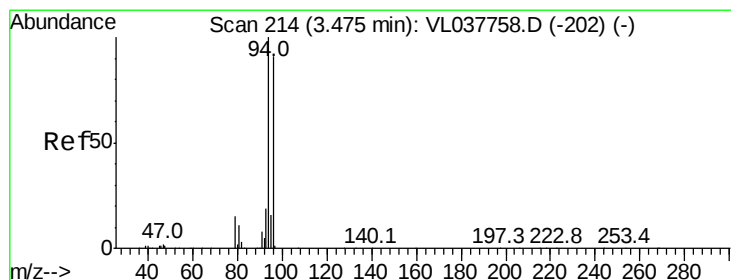
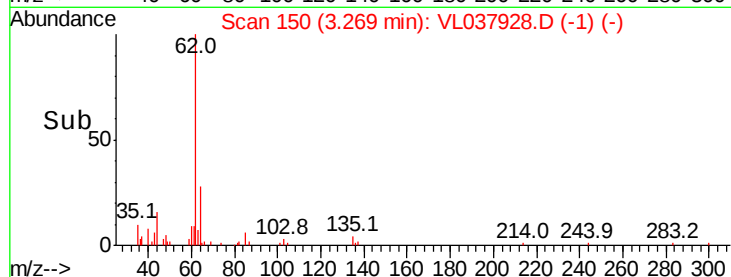
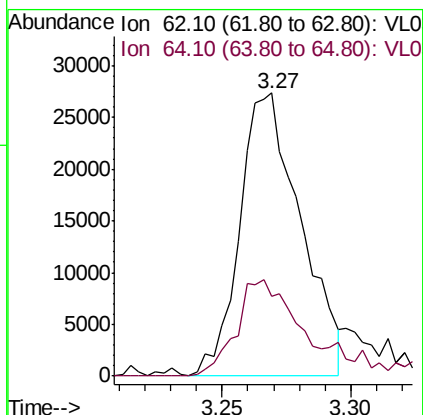
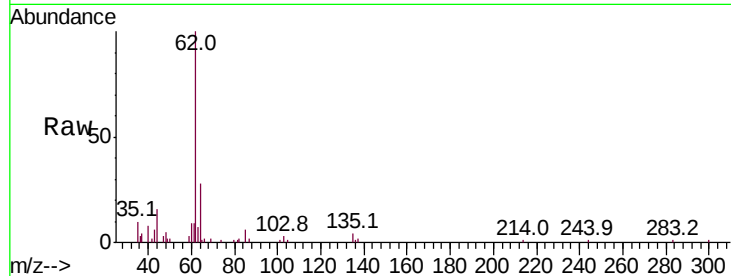
64 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#6

Bromomethane

Concen: 0.577 ppbv m

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL037928.D

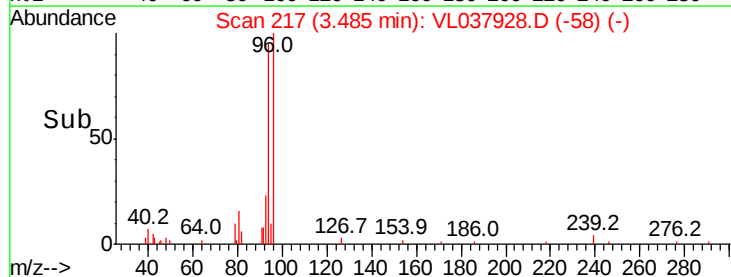
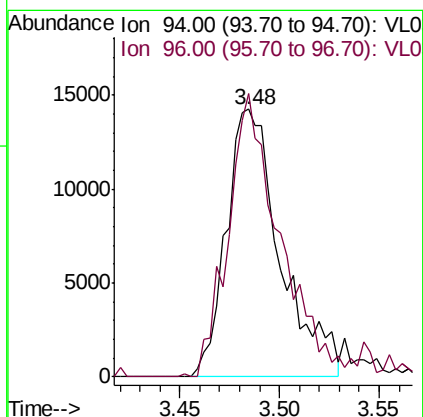
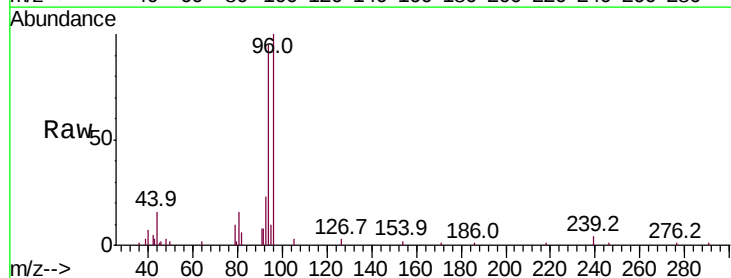
Acq: 27 Oct 2021 22:44

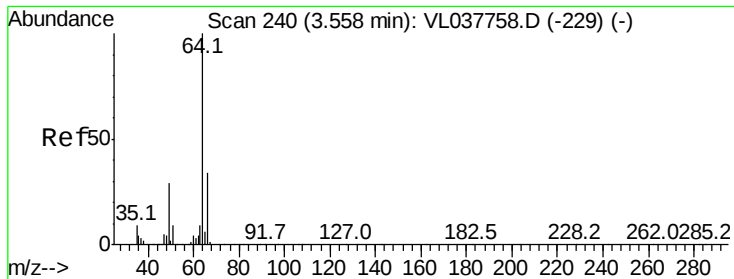
Tgt Ion: 94 Resp: 26896

Ion Ratio Lower Upper

94 100

96 105.7 72.5 108.7





#7

Chloroethane

Concen: 0.605 ppbv m

RT: 3.57 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

64 100

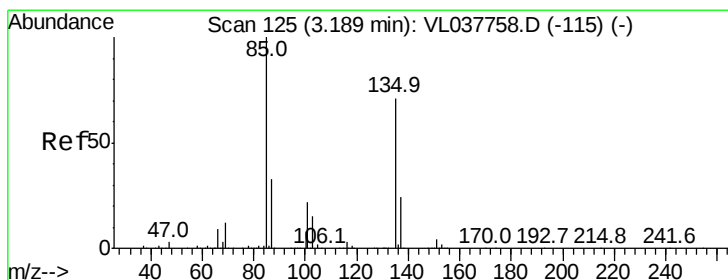
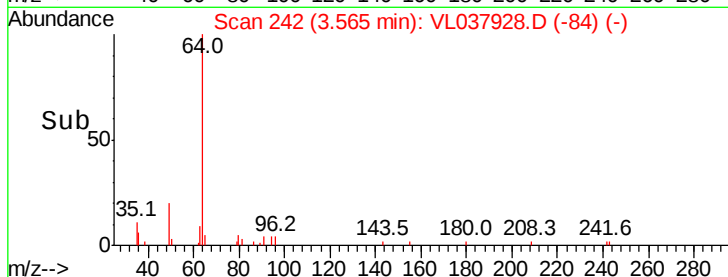
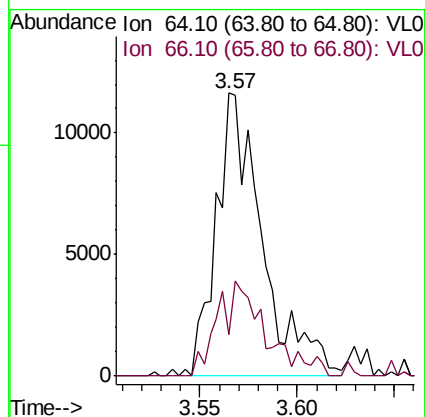
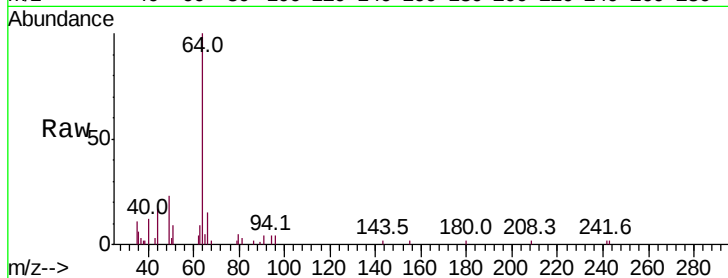
66 14.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#8

Dichlorotetrafluoroethane

Concen: 0.588 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL037928.D

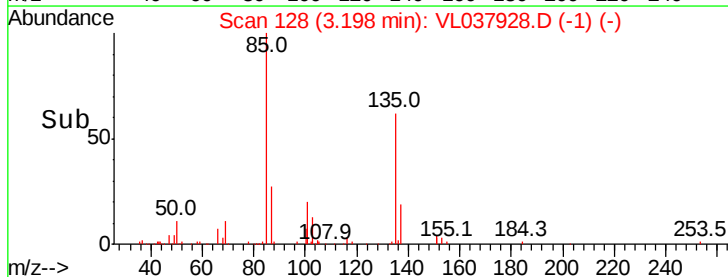
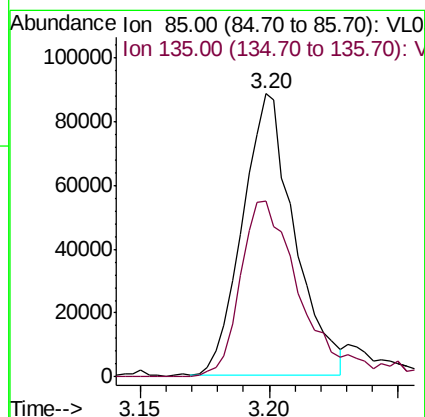
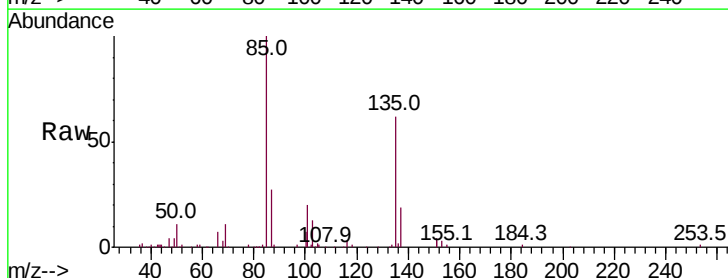
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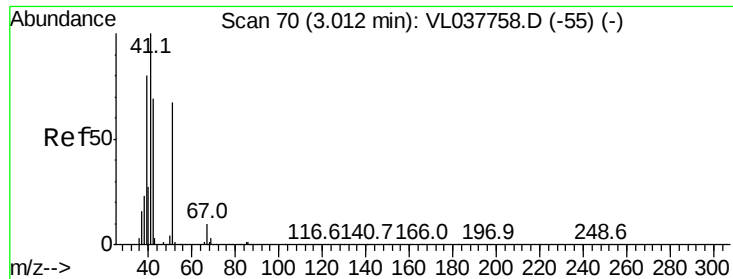
Tgt Ion: 85 Resp: 123852

Ion Ratio Lower Upper

85 100

135 76.1 59.5 89.3





#9

Propene

Concen: 0.487 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Manual Integrations

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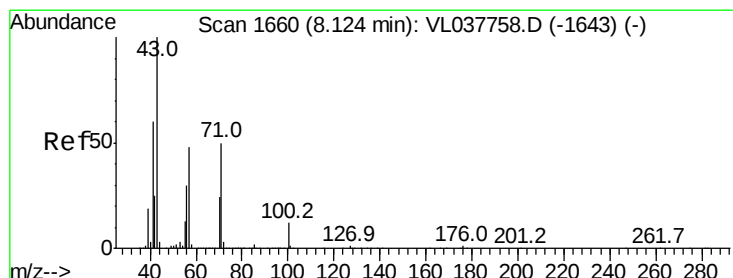
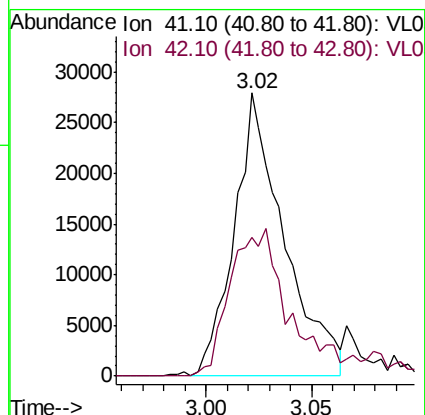
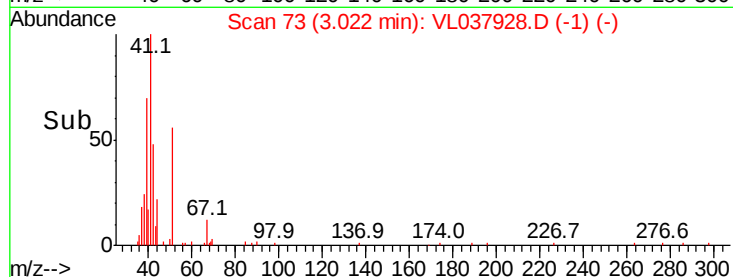
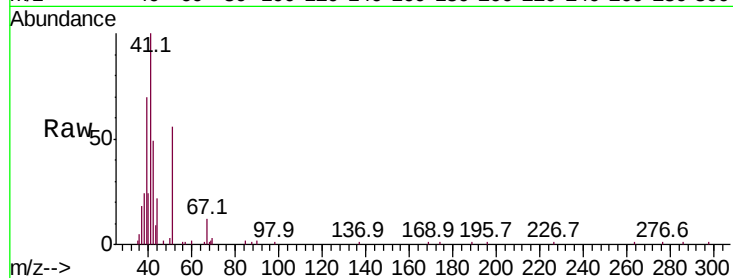
Supervised By :Mahesh Dadoda 10/29/2021

Tot Ion:

Ion Ratio

41 100

42 69.



#10

Heptane

Concen: 0.405 ppbv m

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL037928.D

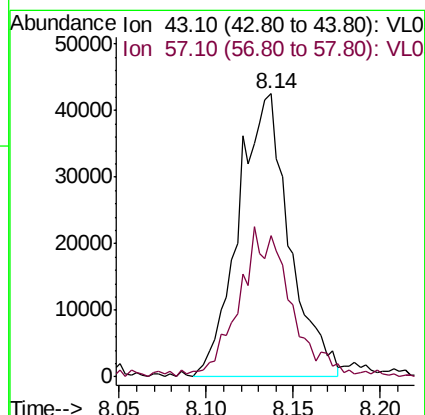
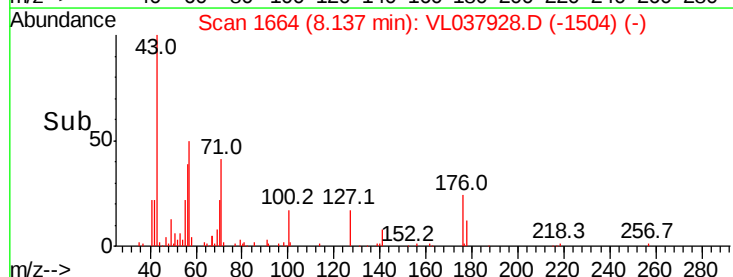
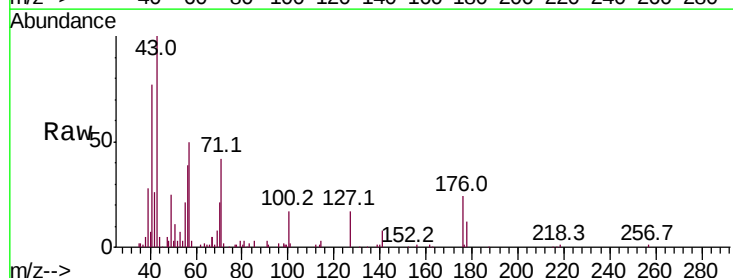
Acq: 27 Oct 2021 22:44

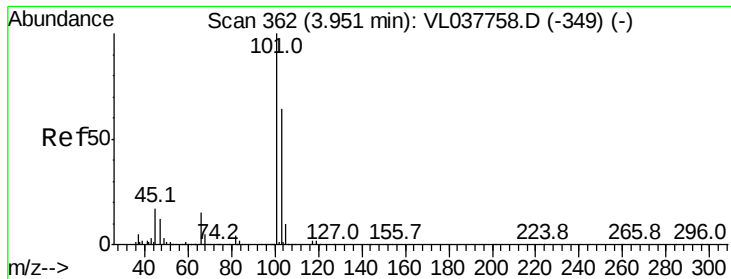
Tgt Ion: 43 Resp: 86899

Ion Ratio Lower Upper

43 100

57 0.0 40.0 60.0#



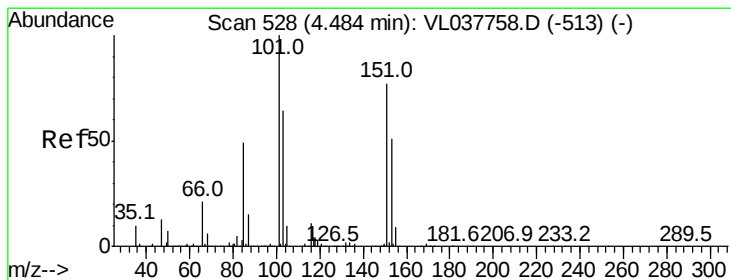
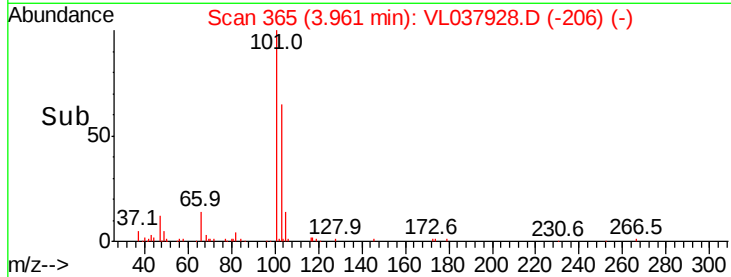
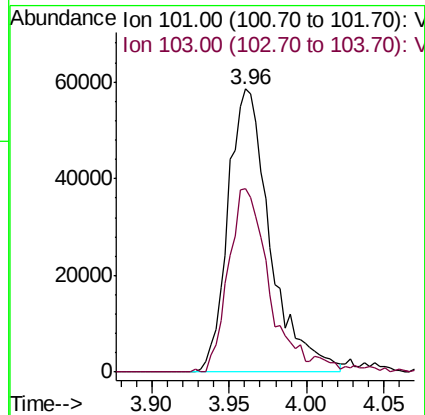
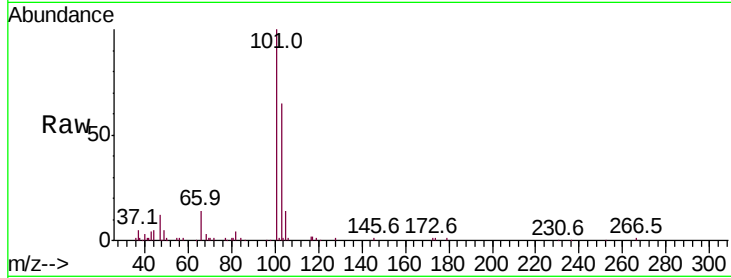


#11
 Trichlorofluoromethane
 Concen: 0.581 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: LOQ-AIR-02-QT4-2021
 Acq: 27 Oct 2021 22:44

Tot Ion: 1
 Ion Ratio
 101 100
 103 65.

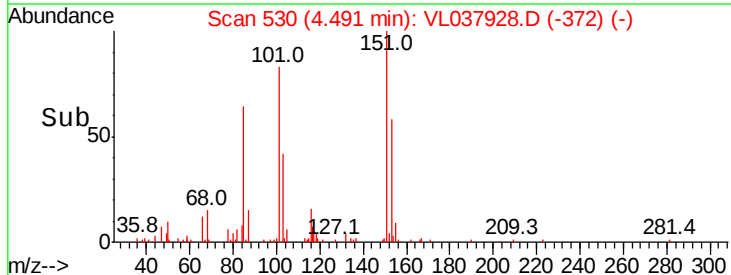
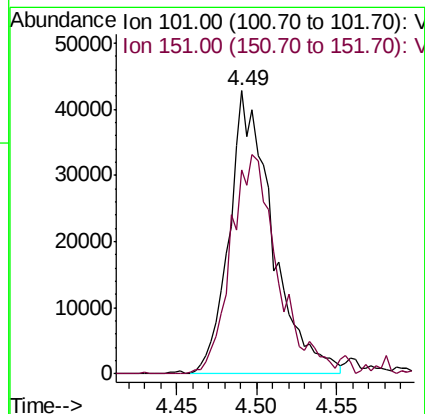
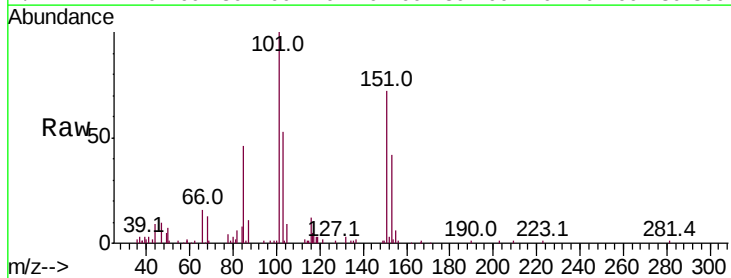
Manual Integrations
 APPROVED

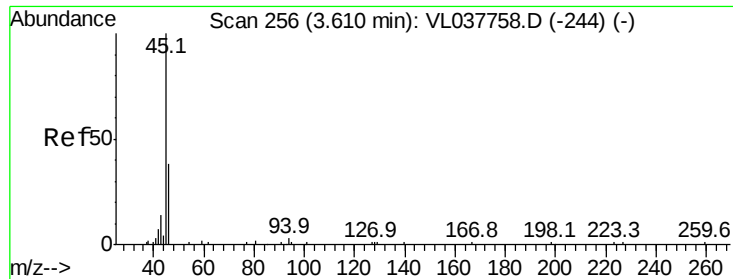
Reviewed By : Semsettin Yesilyurt 10/28/2021
 Supervised By : Mahesh Dadoda 10/29/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.545 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VL037928.D
 Acq: 27 Oct 2021 22:44

Tgt Ion: 101 Resp: 78513
 Ion Ratio Lower Upper
 101 100
 151 85.2 62.9 94.3



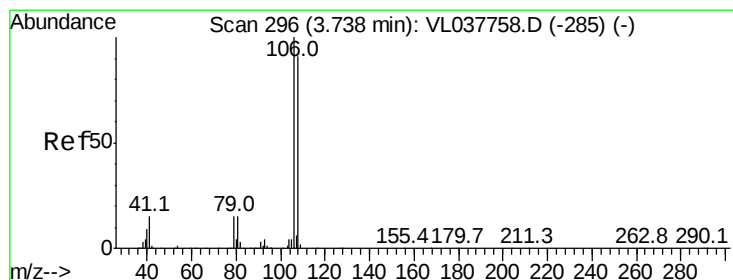
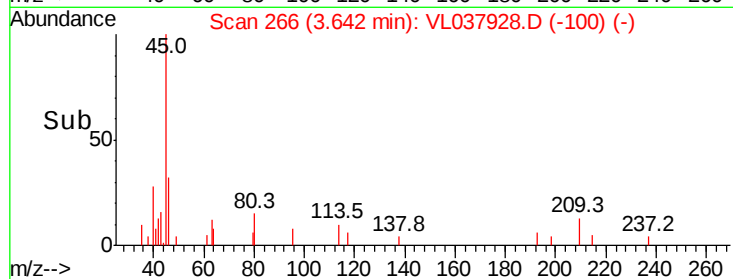
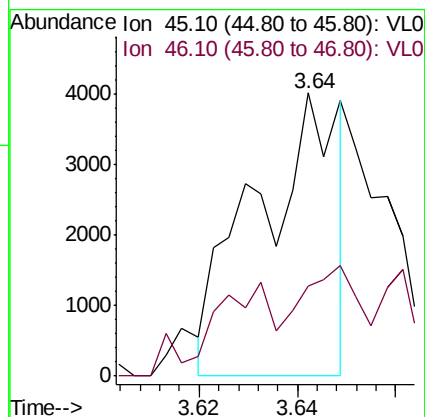
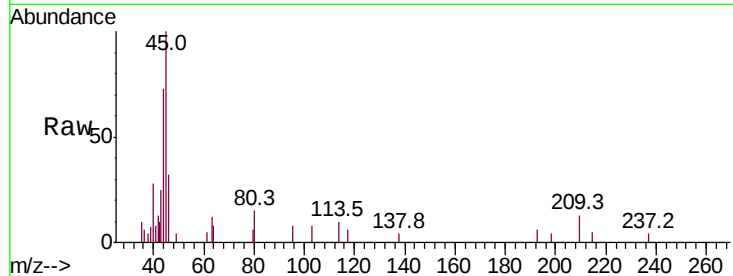


#13
Ethanol
Concen: 0.615 ppbv m
RT: 3.64
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Oct 2021 22:44

Tot Ion:
Ion Ratio
45 100
46 0.

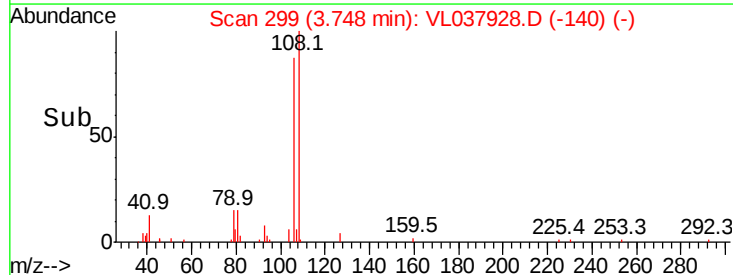
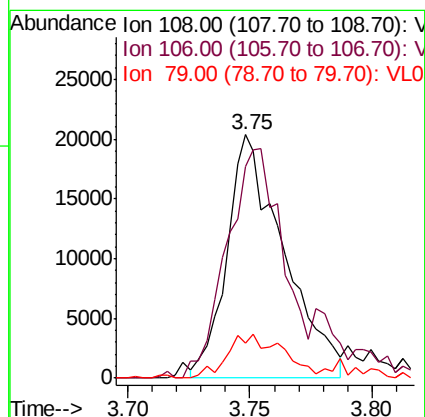
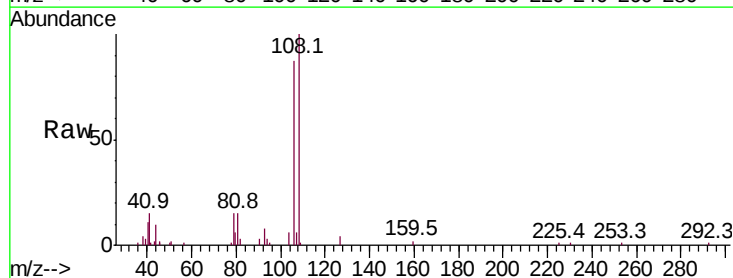
Manual Integrations
APPROVED

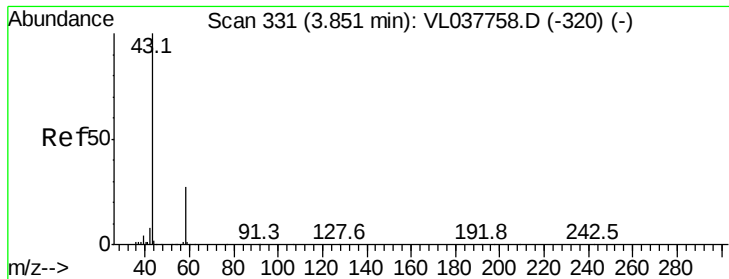
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#14
Bromoethene
Concen: 0.519 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion:108 Resp: 32919
Ion Ratio Lower Upper
108 100
106 112.5 91.9 137.9
79 21.8 13.9 20.9#





#15

Acetone

Concen: 0.626 ppbv m

RT: 3.89

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

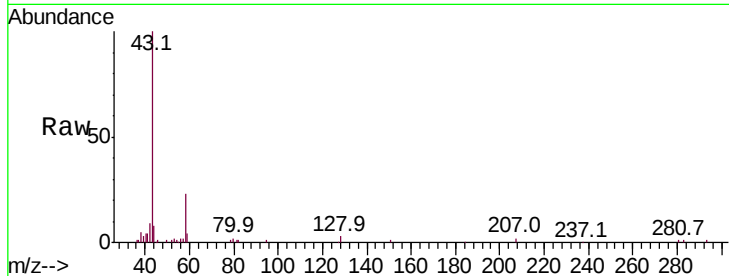
Acq: 27 Oct 2021 22:44

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021

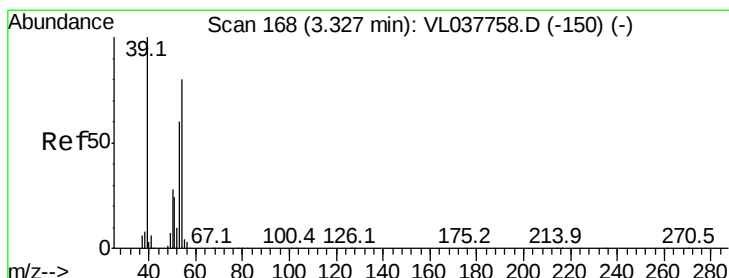
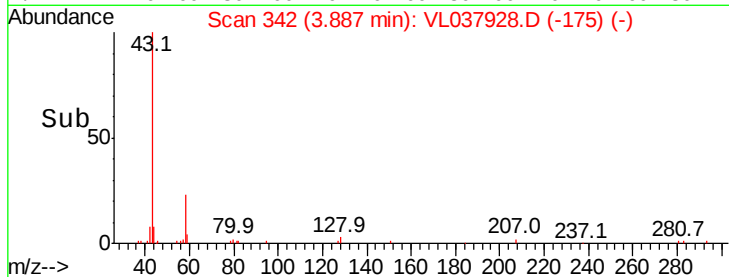
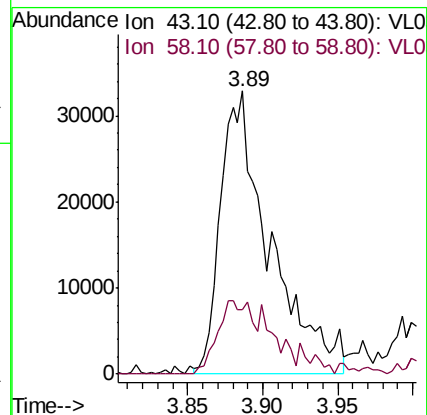


Tot Ion:

Ion Ratio

43 100

58 0.



#16

1,3-Butadiene

Concen: 0.527 ppbv m

RT: 3.34 min Scan# 173

Delta R.T. 0.02 min

Lab File: VL037928.D

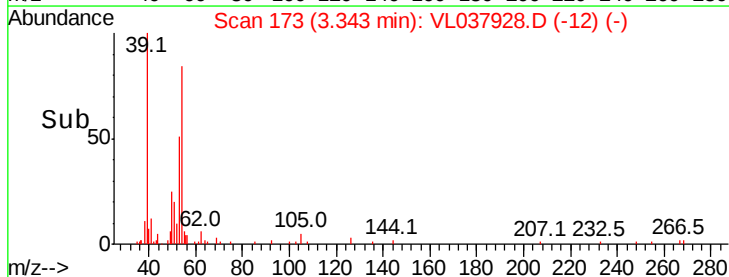
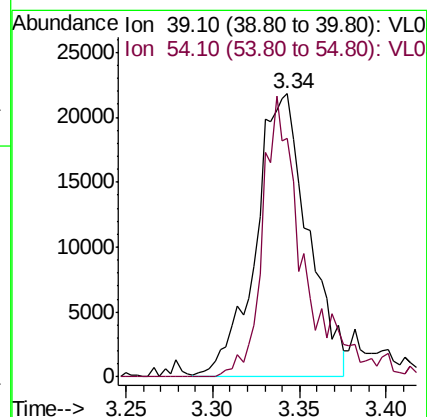
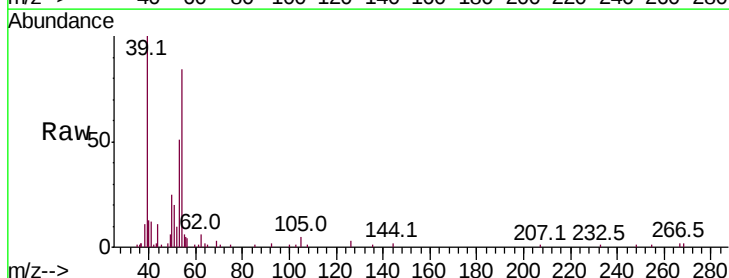
Acq: 27 Oct 2021 22:44

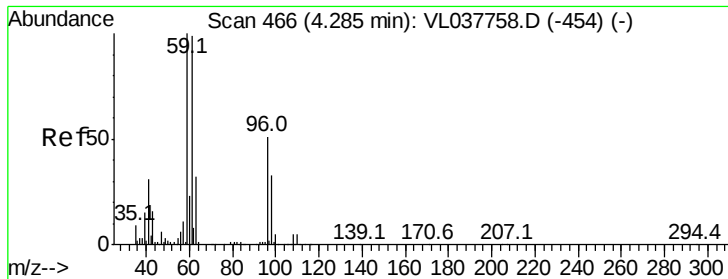
Tgt Ion: 39 Resp: 45978

Ion Ratio Lower Upper

39 100

54 0.0 61.7 92.5#





#17

tert-Butyl alcohol

Concen: 0.502 ppbv m

RT: 4.32 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

59 100

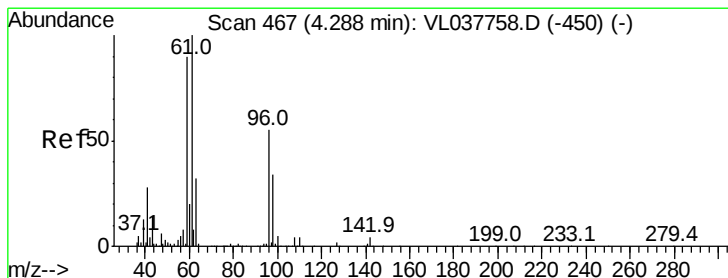
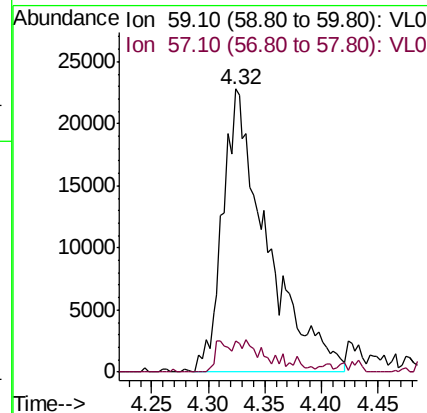
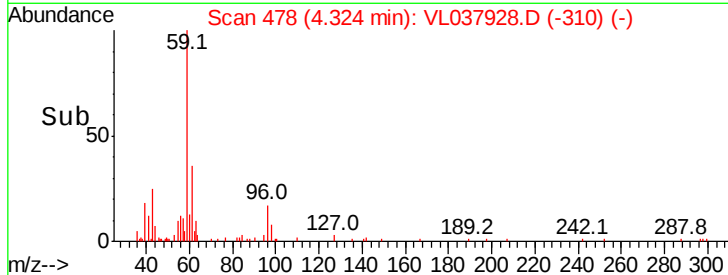
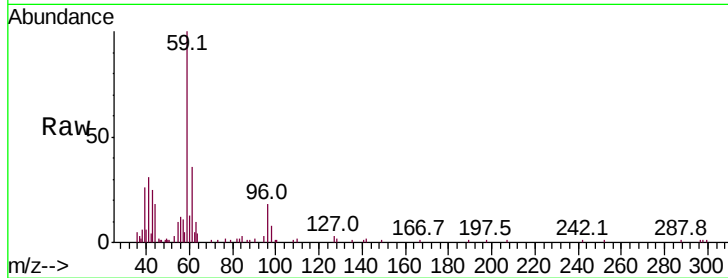
57 12.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#18

1,1-Dichloroethene

Concen: 0.519 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

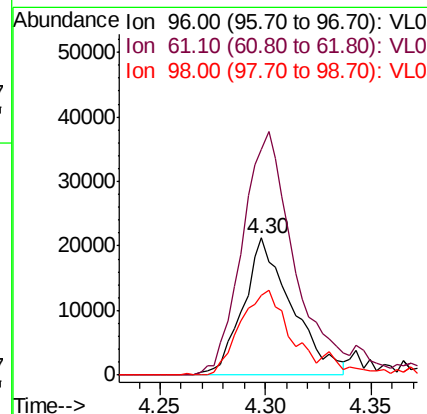
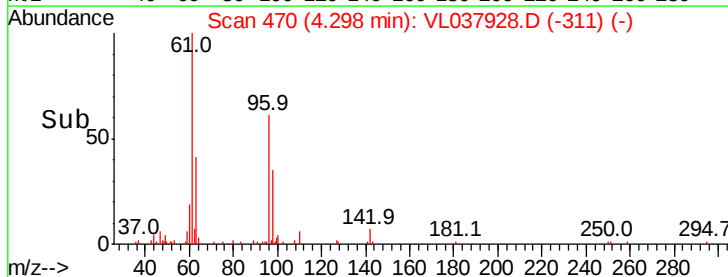
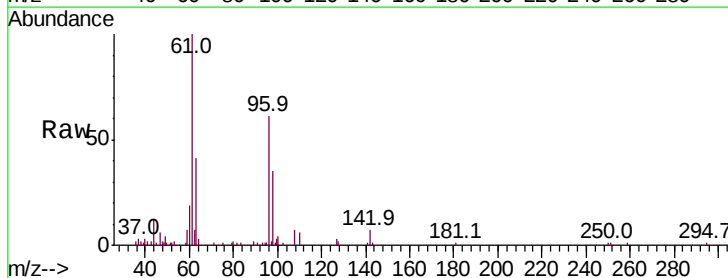
Tgt Ion: 96 Resp: 34031

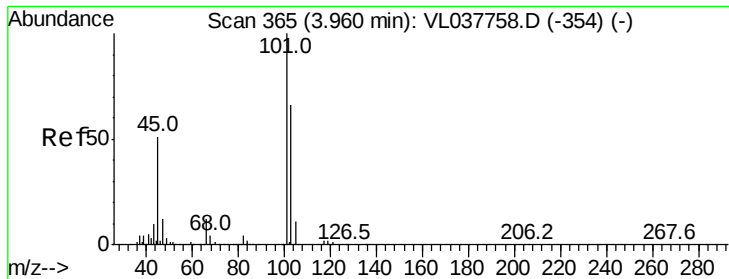
Ion Ratio Lower Upper

96 100

61 165.0 146.2 219.4

98 58.3 50.0 75.0





#19

Isopropyl Alcohol

Concen: 0.587 ppbv m

RT: 4.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

45 100

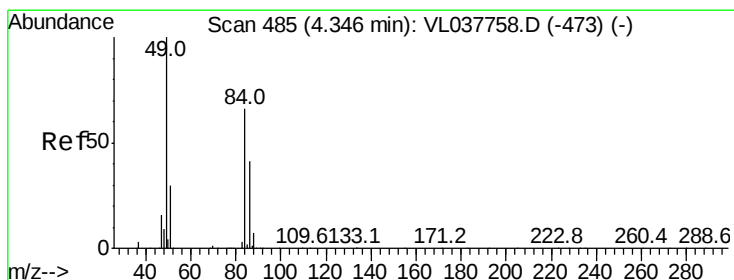
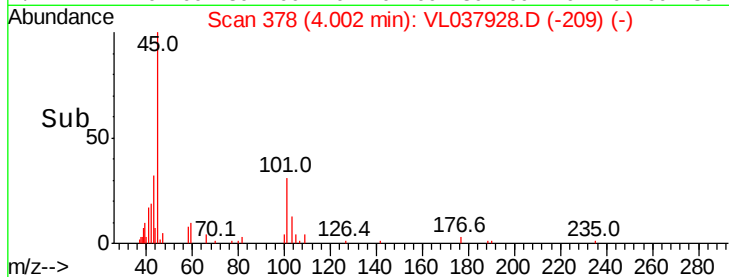
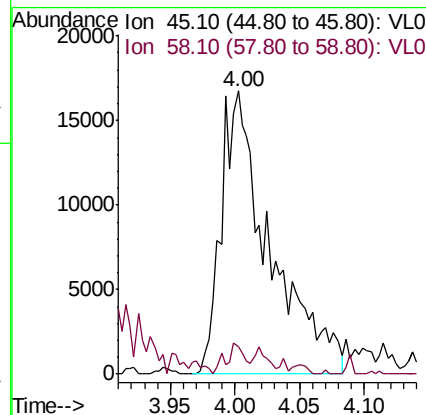
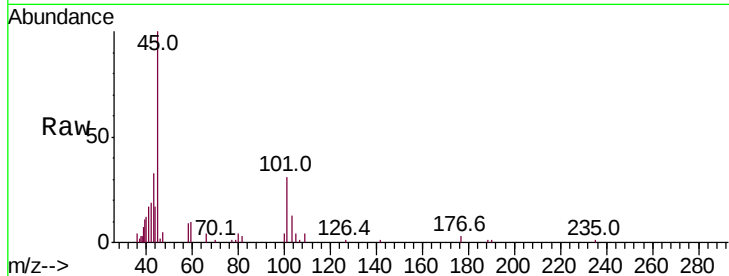
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#20

Methylene Chloride

Concen: 0.601 ppbv m

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

Tgt Ion: 84 Resp: 36424

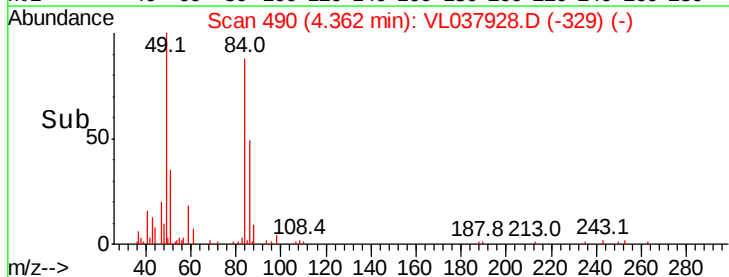
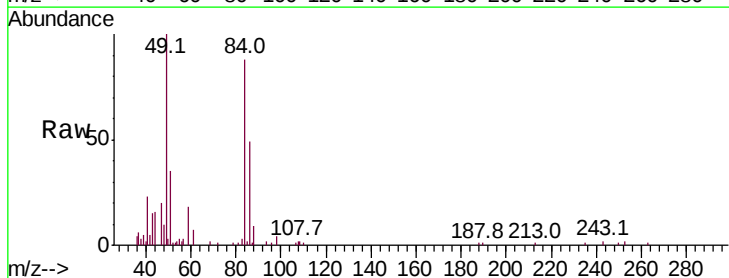
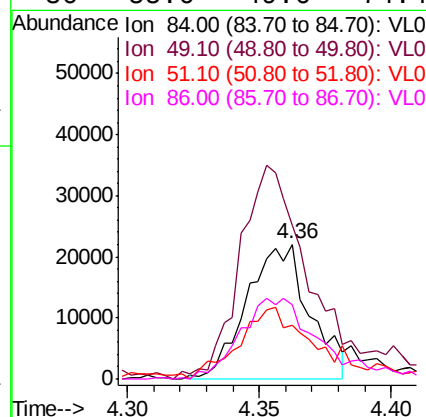
Ion Ratio Lower Upper

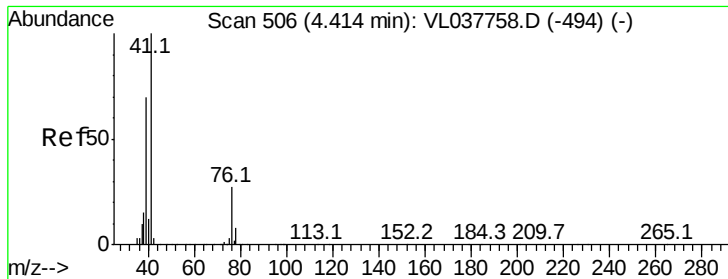
84 100

49 113.8 120.7 181.1#

51 40.1 36.2 54.4

86 55.6 49.6 74.4





#21

Allvl Chloride

Concen: 0.476 ppbv

RT: 4.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

41 100

76 30.

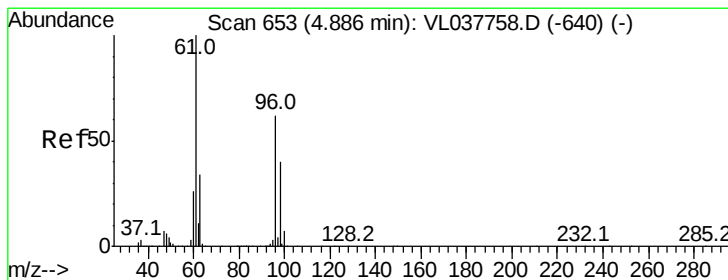
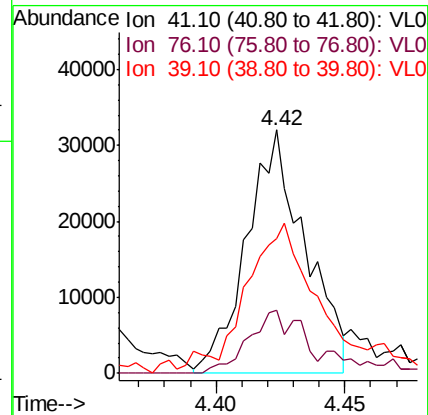
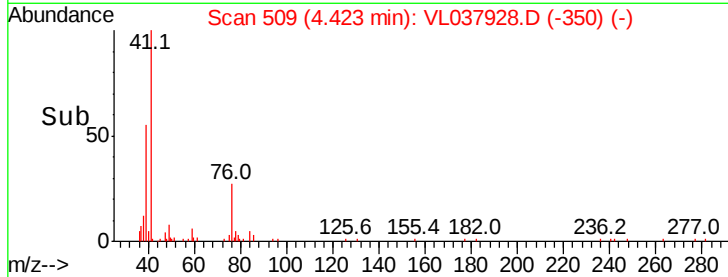
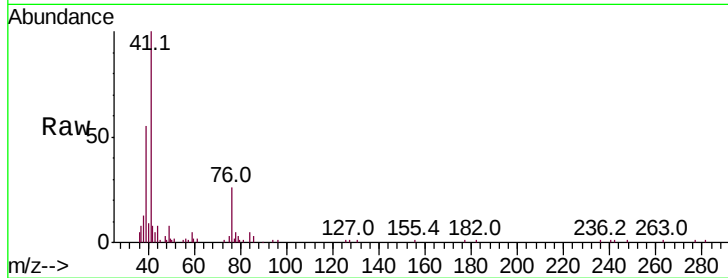
39 85.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#22

trans-1,2-Dichloroethene

Concen: 0.501 ppbv m

RT: 4.90 min Scan# 656

Delta R.T. 0.01 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

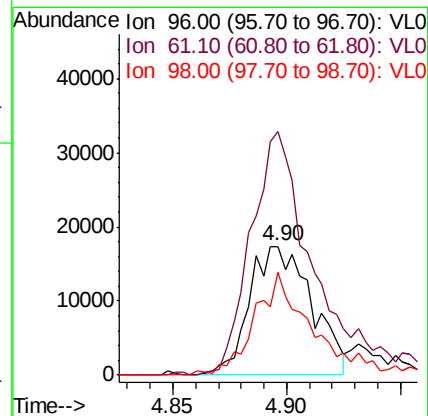
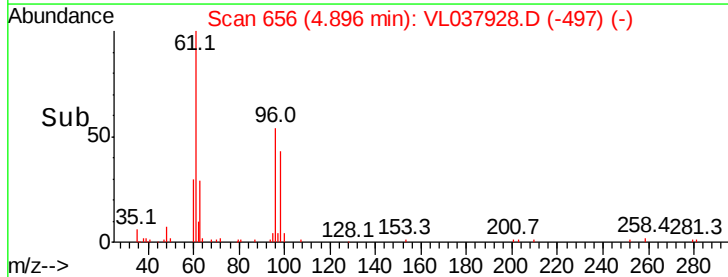
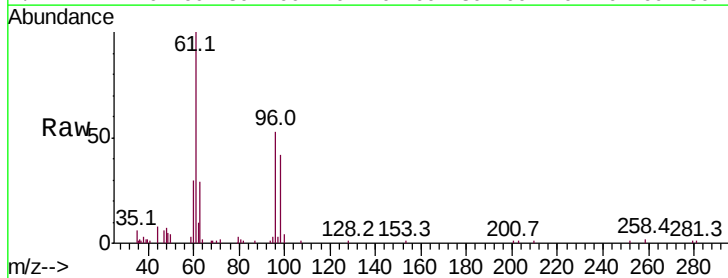
Tgt Ion: 96 Resp: 32996

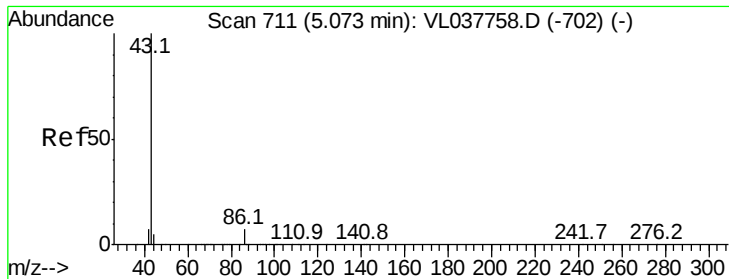
Ion Ratio Lower Upper

96 100

61 188.7 129.0 193.6

98 79.5 51.7 77.5#





#23

Vinyl Acetate

Concen: 0.404 ppbv

RT: 5.09 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

43 100

86 10.

42 15.

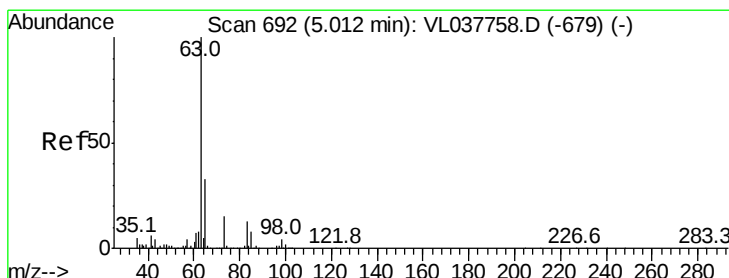
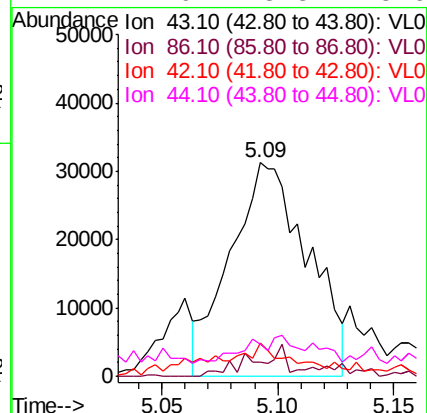
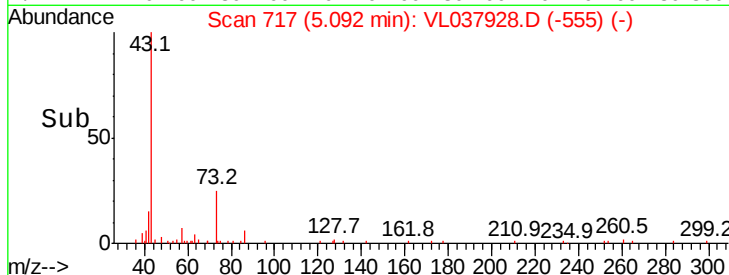
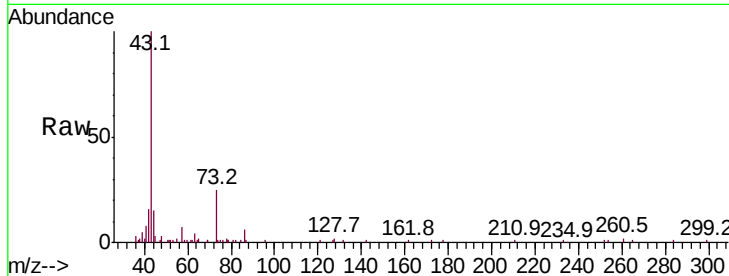
44 11.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#24

1,1-Dichloroethane

Concen: 0.585 ppbv m

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

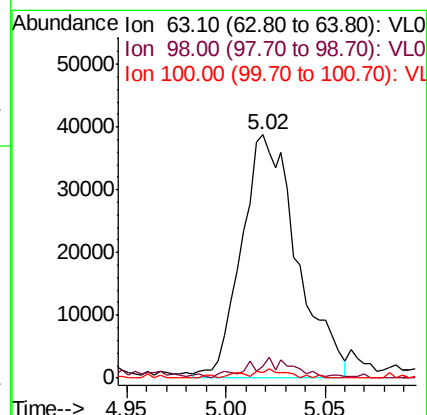
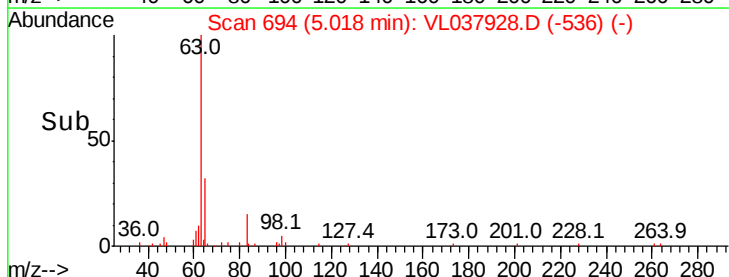
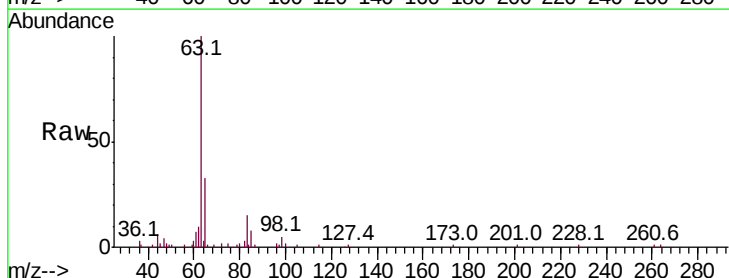
Tgt Ion: 63 Resp: 76548

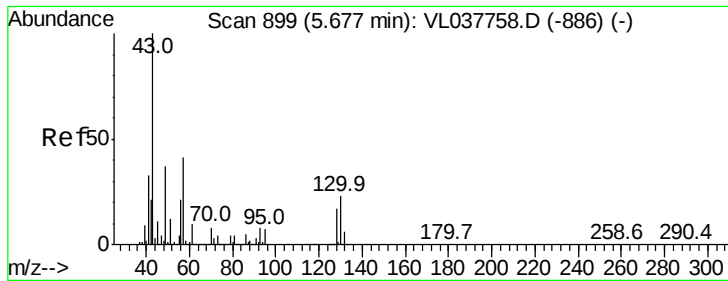
Ion Ratio Lower Upper

63 100

98 5.0 2.3 6.9

100 2.2 1.1 3.1



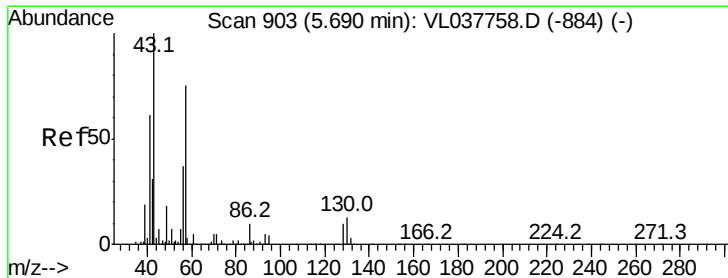
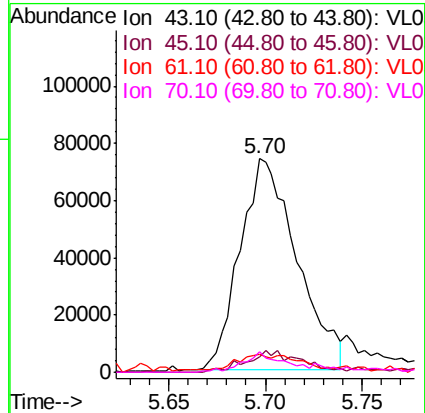
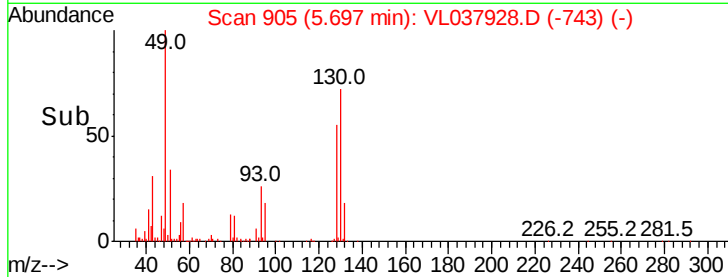
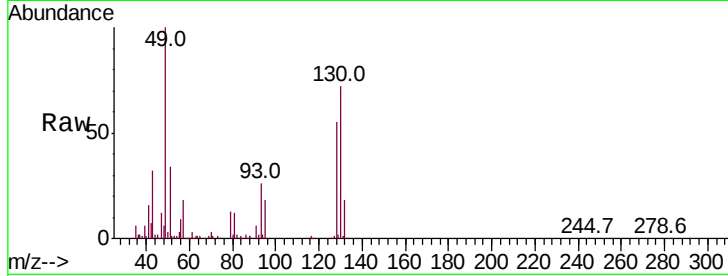


#25
Ethyl Acetate
Concen: 0.452 ppbv
RT: 5.70 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Oct 2021 22:44

Tot Ion: 43.10 (42.80 to 43.80): VL0
Ion Ratio: 43 100
45 10.0
61 10.0
70 9.4 5.9 8.9#

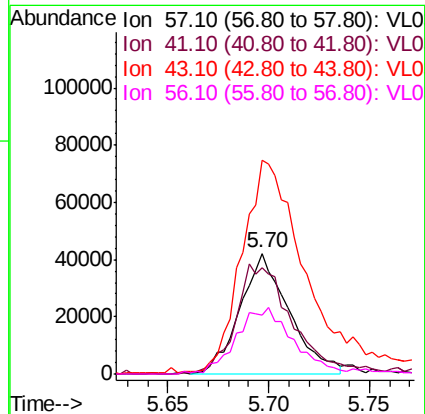
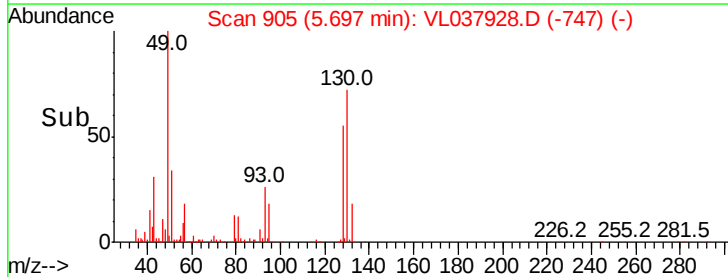
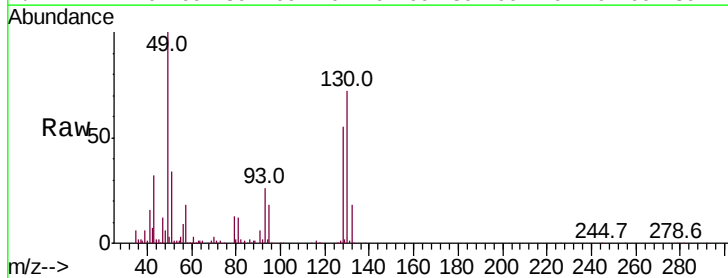
Manual Integrations
APPROVED

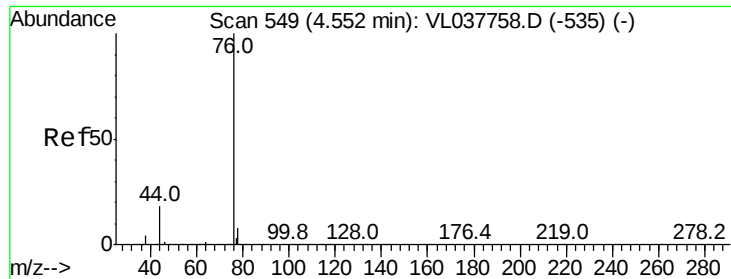
Reviewed By : Semsettin Yesilyurt 10/28/2021
Supervised By : Mahesh Dadoda 10/29/2021



#26
Hexane
Concen: 0.434 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion: 57 Resp: 71858
Ion Ratio Lower Upper
57 100
41 107.9 69.6 104.4#
43 242.3 171.4 257.0
56 65.4 42.0 63.0#





#27

Carbon Disulfide

Concen: 0.515 ppbv m

RT: 4.56

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

76 100

44 24.

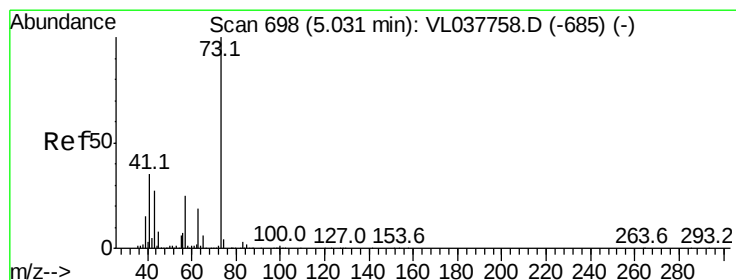
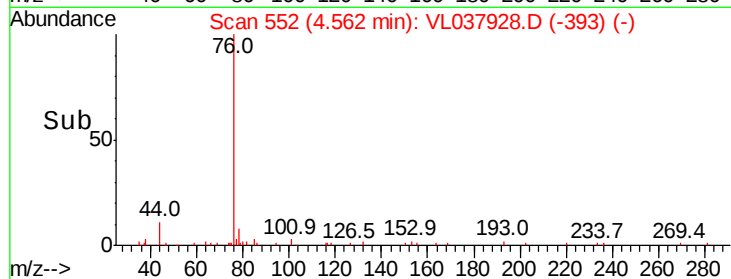
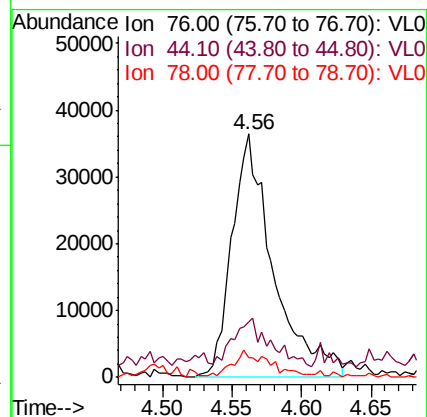
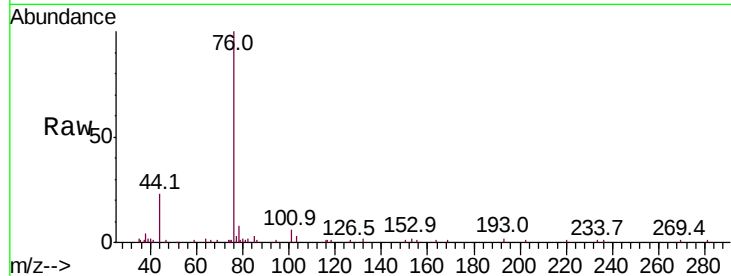
78 11.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#28

Methyl tert-Butyl Ether

Concen: 0.464 ppbv m

RT: 5.06 min Scan# 706

Delta R.T. 0.03 min

Lab File: VL037928.D

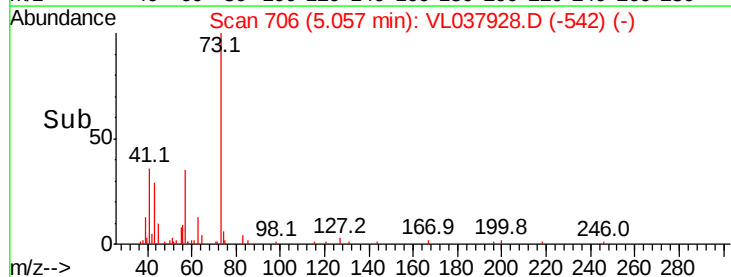
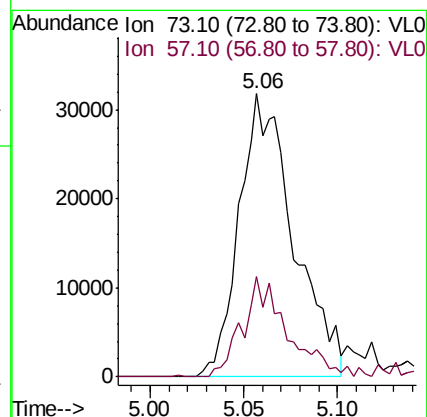
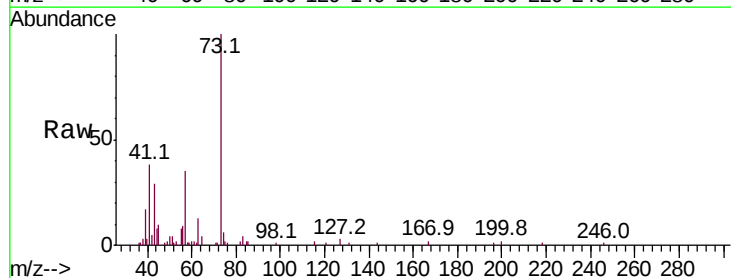
Acq: 27 Oct 2021 22:44

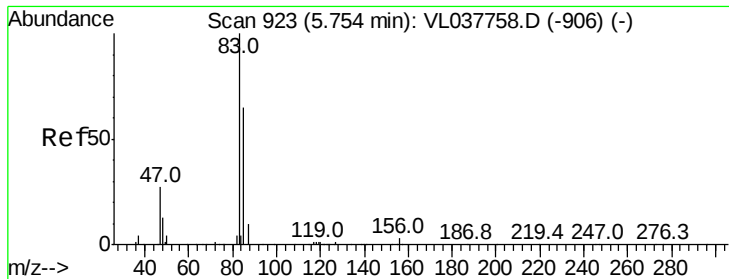
Tgt Ion: 73 Resp: 64008

Ion Ratio Lower Upper

73 100

57 29.4 20.4 30.6



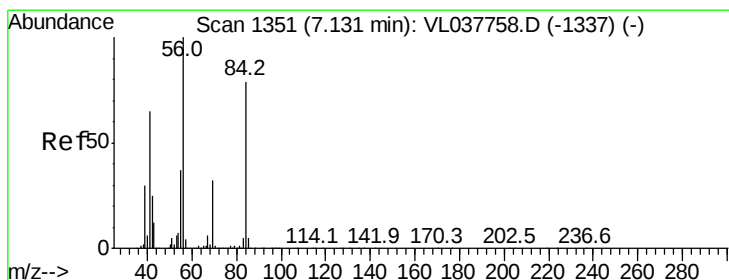
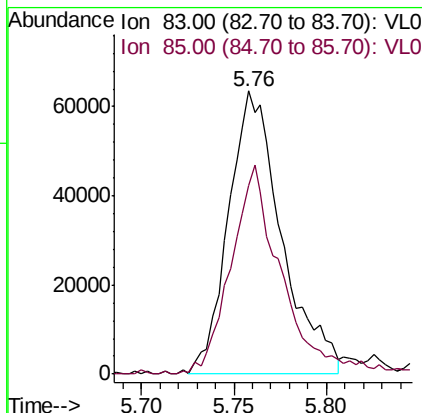
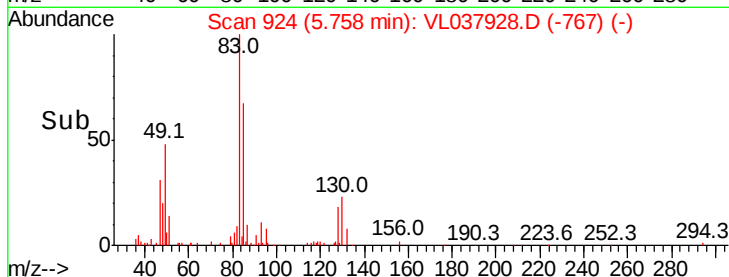
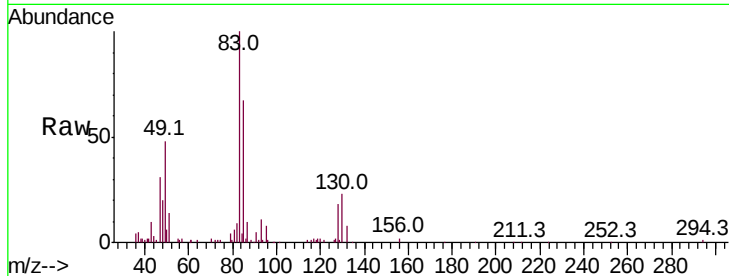


#29
Chloroform
Concen: 0.531 ppbv
RT: 5.76
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Oct 2021 22:44

Tot Ion:
Ion Ratio
83 100
85 66.

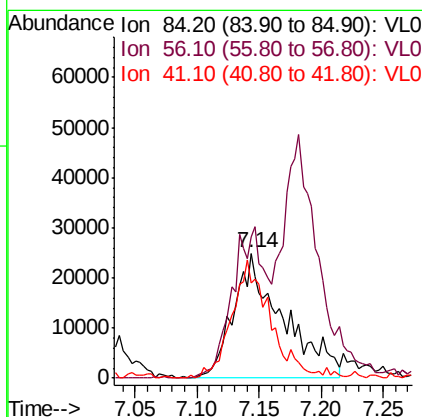
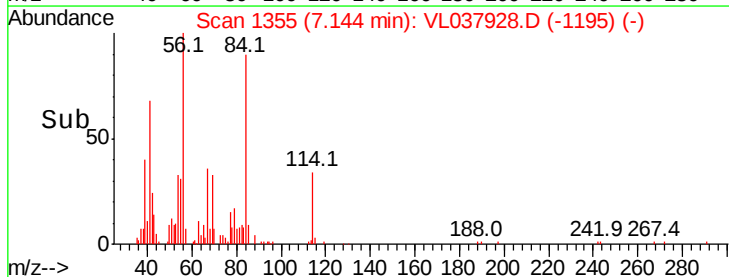
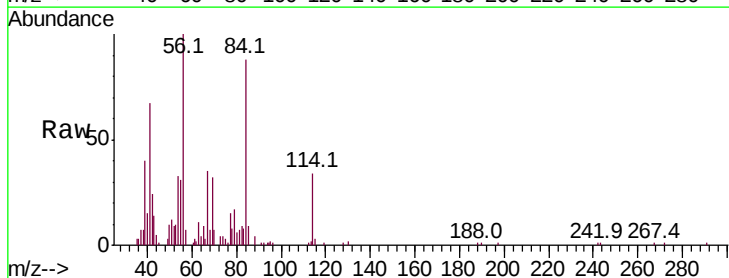
Manual Integrations
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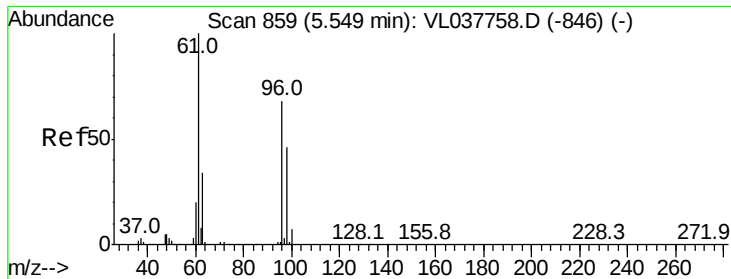
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#30
Cyclohexane
Concen: 0.490 ppbv m
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion: 84 Resp: 68810
Ion Ratio Lower Upper
84 100
56 71.5 113.0 169.4#
41 75.6 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 0.438 ppbv

RT: 5.56

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

61 100

96 67.

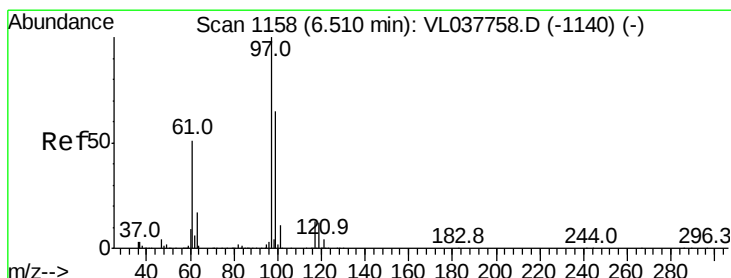
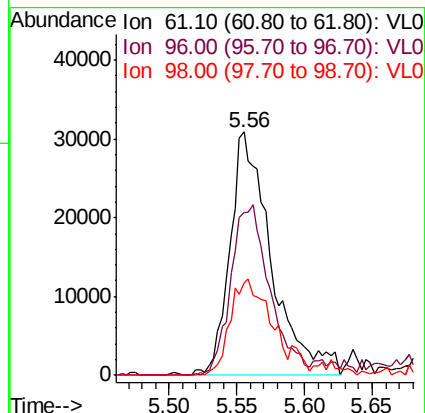
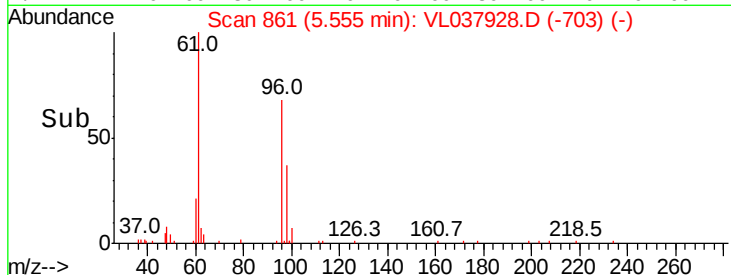
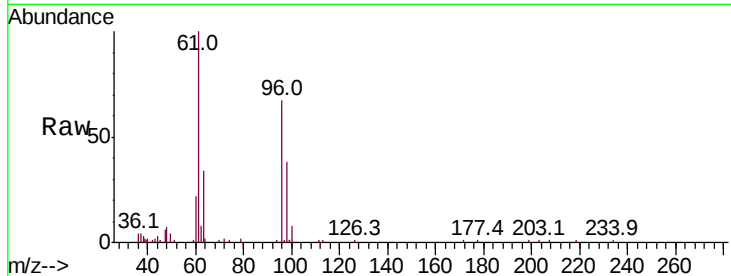
98 38.

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APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#32

1,1,1-Trichloroethane

Concen: 0.502 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

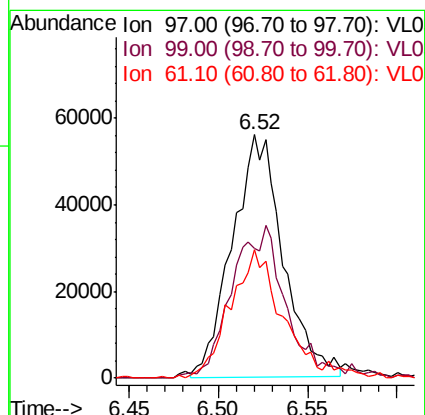
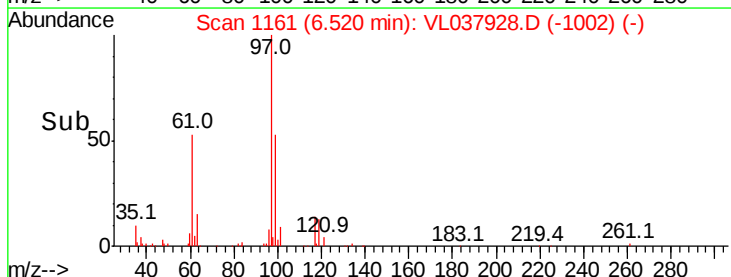
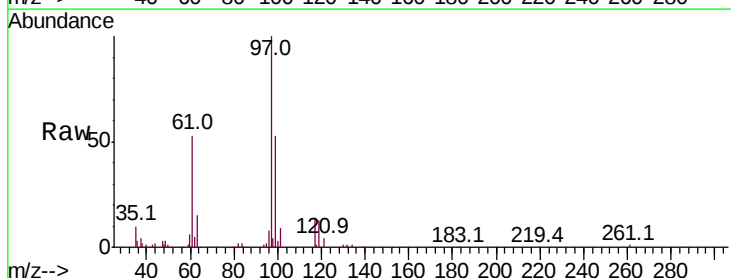
Tgt Ion: 97 Resp: 112562

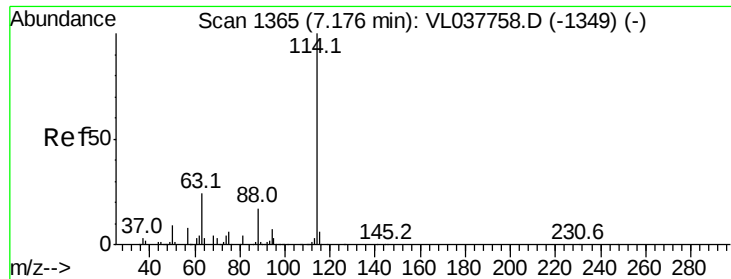
Ion Ratio Lower Upper

97 100

99 68.0 52.6 78.8

61 55.4 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18

Instrument: MSVOA_1

Delta R.T.

Client SampleId:

Lab File: LOQ-AIR-02-OT4-2021

Acq: 27 Oct 2021 22:44

Tot Ion:1

Ion Rati

114 100

63 23.

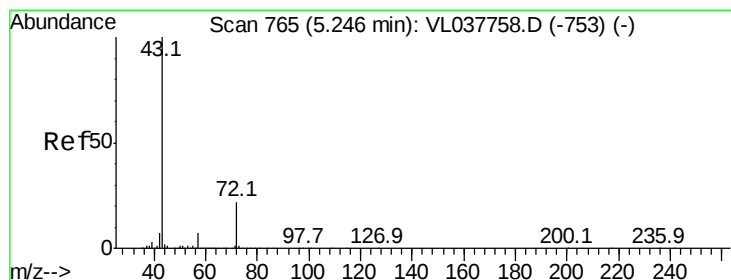
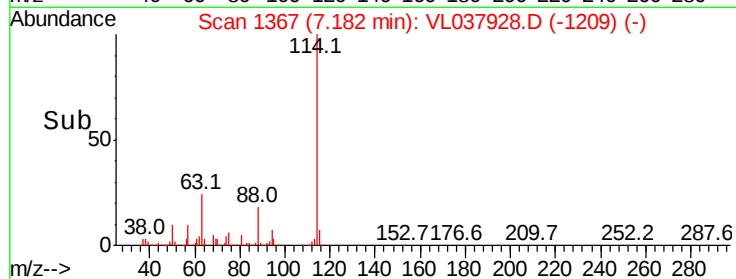
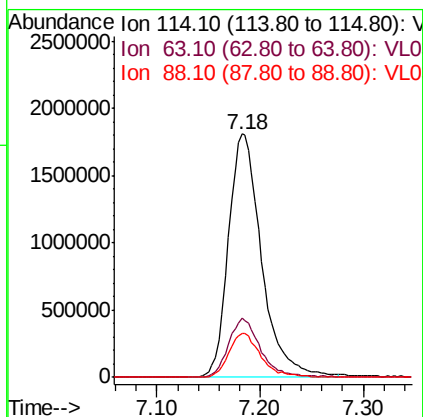
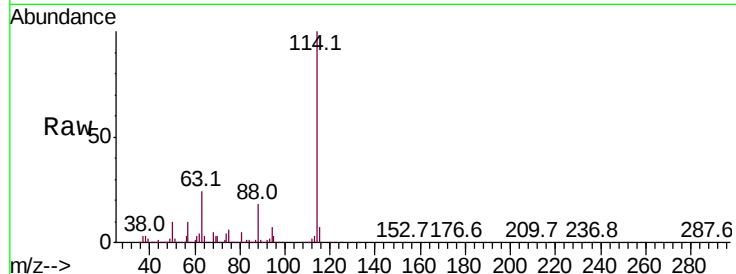
88 17.

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APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#34

2-Butanone

Concen: 0.437 ppbv m

RT: 5.28 min Scan# 774

Delta R.T. 0.03 min

Lab File: VL037928.D

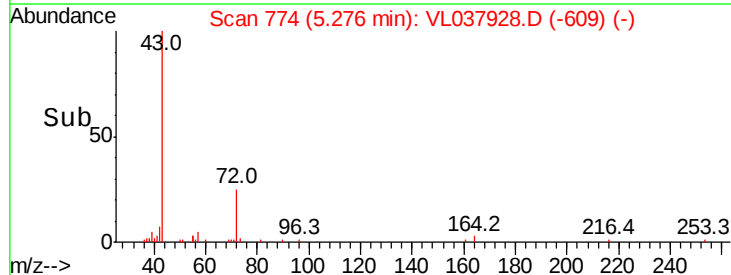
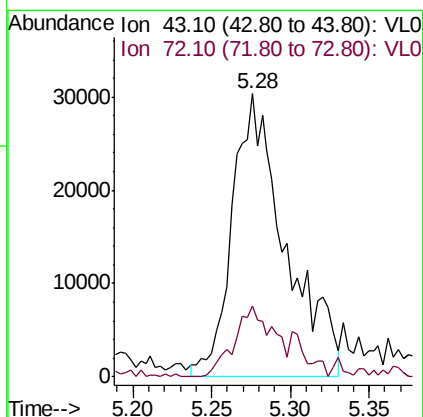
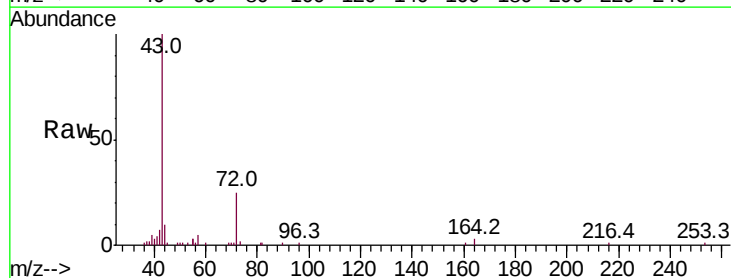
Acq: 27 Oct 2021 22:44

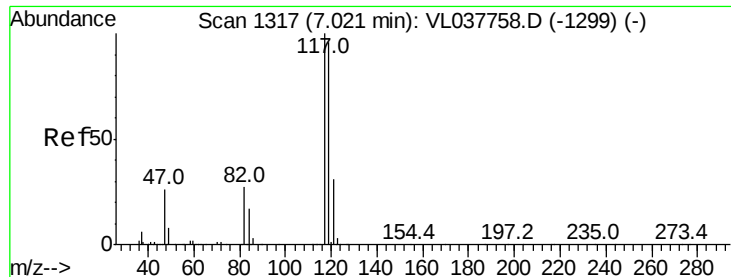
Tgt Ion: 43 Resp: 71538

Ion Ratio Lower Upper

43 100

72 25.1 18.2 27.2



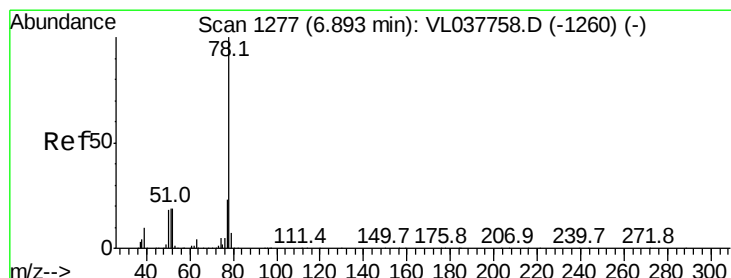
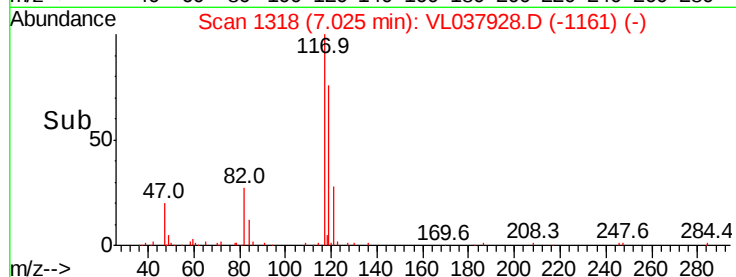
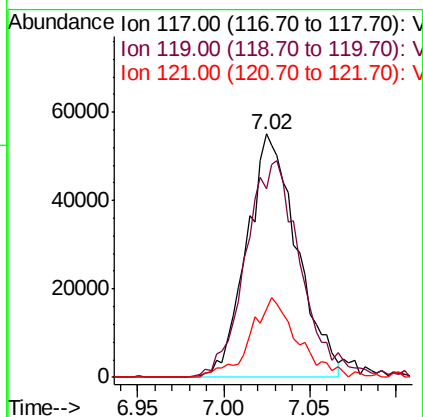
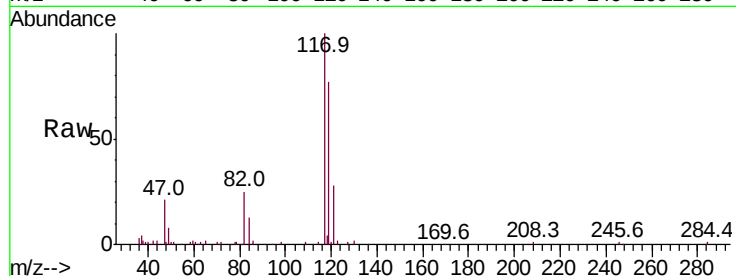


#35
Carbon Tetrachloride
Concen: 0.486 ppbv
RT: 7.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Oct 2021 22:44

Tot Ion: 1
Ion Ratio
117 100
119 77.
121 27.

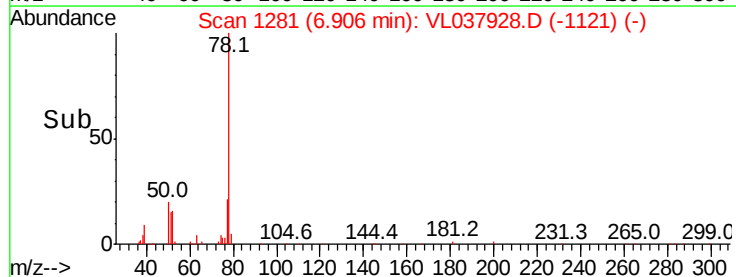
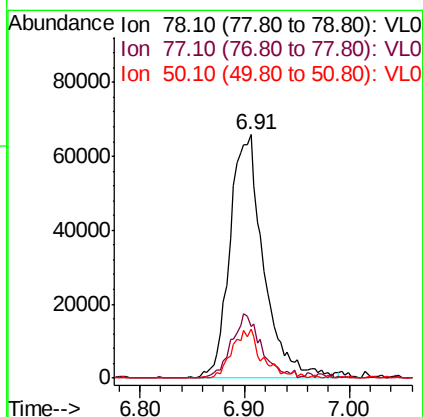
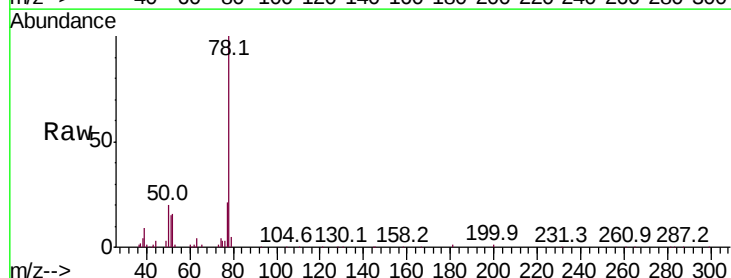
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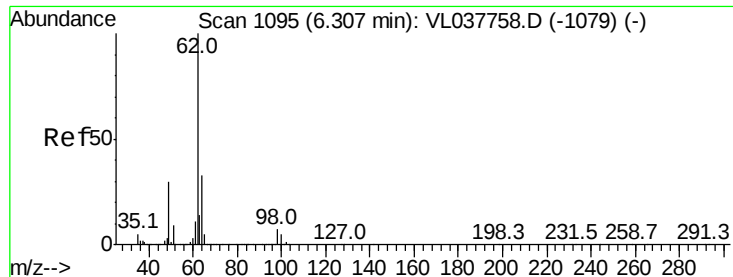
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#36
Benzene
Concen: 0.425 ppbv m
RT: 6.91 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion: 78 Resp: 146996
Ion Ratio Lower Upper
78 100
77 21.4 18.8 28.2
50 20.2 14.7 22.1





#37

1,2-Dichloroethane

Concen: 0.498 ppbv m

RT: 6.31 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: LOQ-AIR-02-OT4-2021

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

62 100

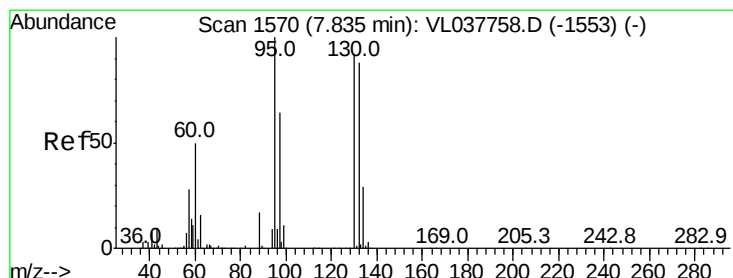
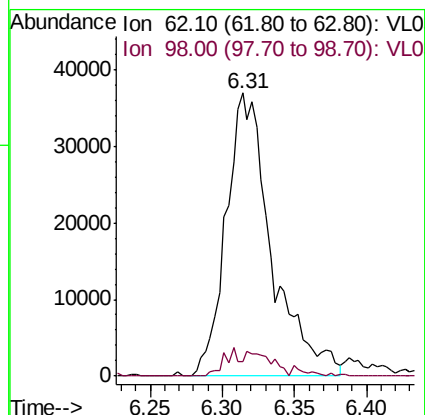
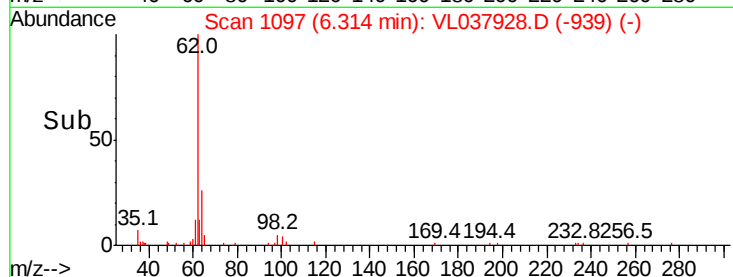
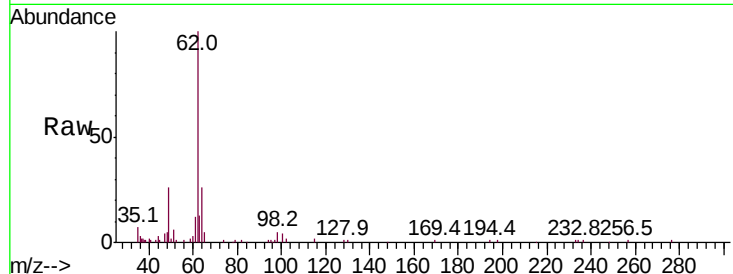
98 9.

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#38

Trichloroethene

Concen: 0.433 ppbv m

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

Tgt Ion:130 Resp: 59258

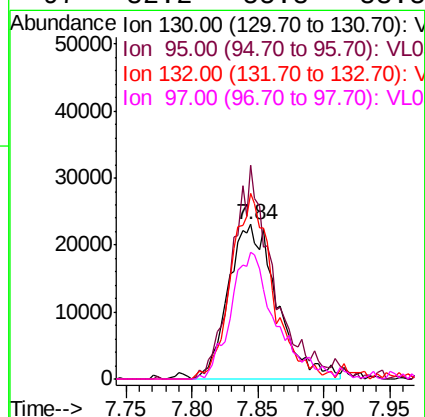
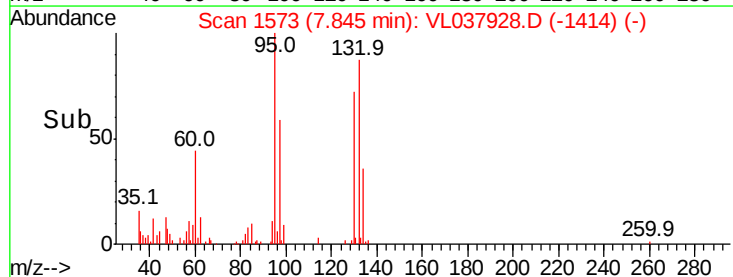
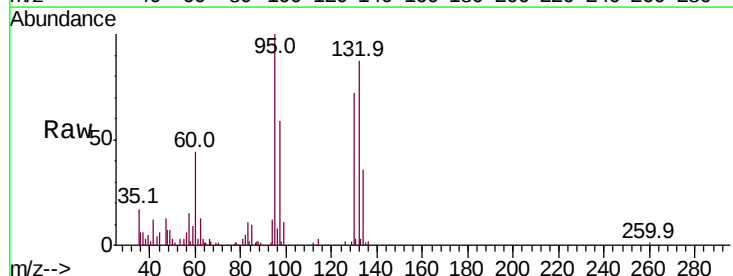
Ion Ratio Lower Upper

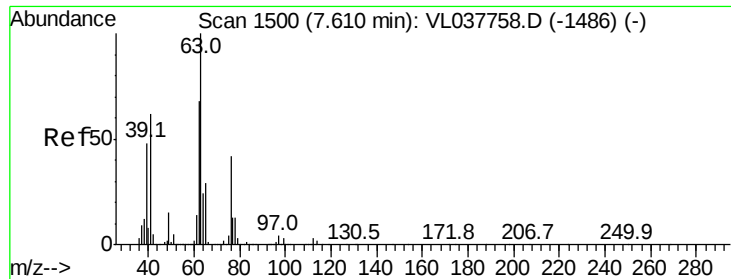
130 100

95 138.2 87.4 131.0#

132 120.0 76.8 115.2#

97 82.2 55.8 83.8





#39

1,2-Dichloropropane

Concen: 0.522 ppbv m

RT: 7.63

Instrument: MSVOA_1

Delta R.T.

ClientSampleId:

Lab File: LOQ-AIR-02-QT4-2021

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

63 100

41 60.

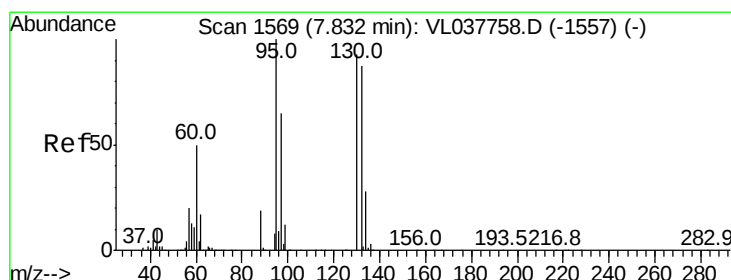
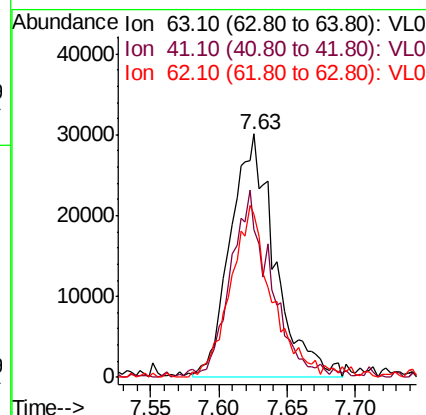
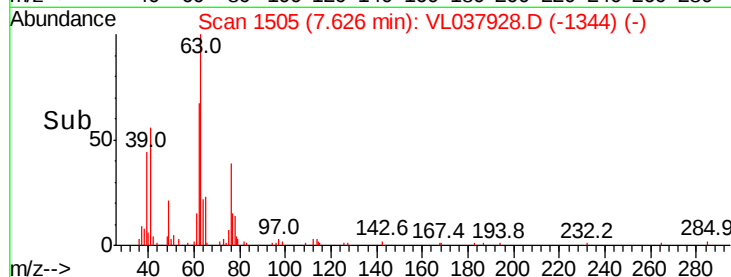
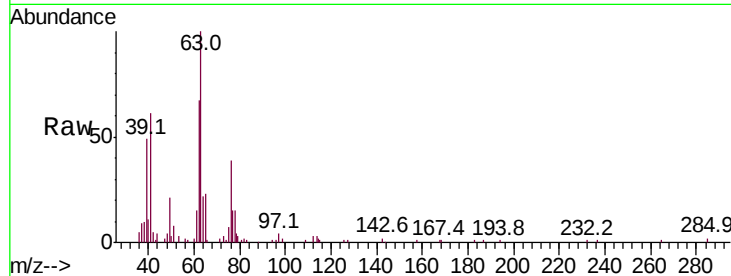
62 67.

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#40

1,4-Dioxane

Concen: 0.526 ppbv m

RT: 7.89 min Scan# 1588

Delta R.T. 0.06 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

Tgt Ion: 88 Resp: 17149

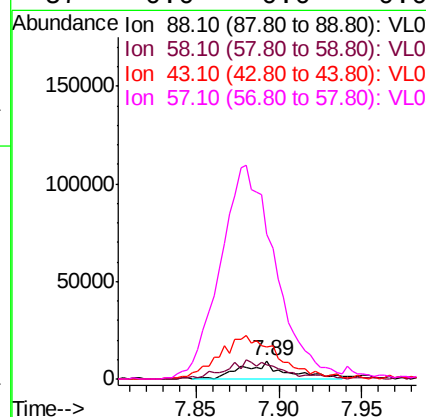
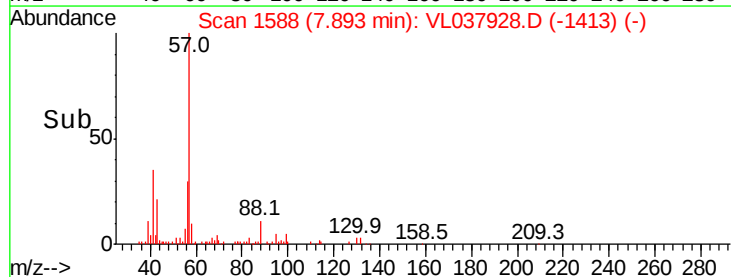
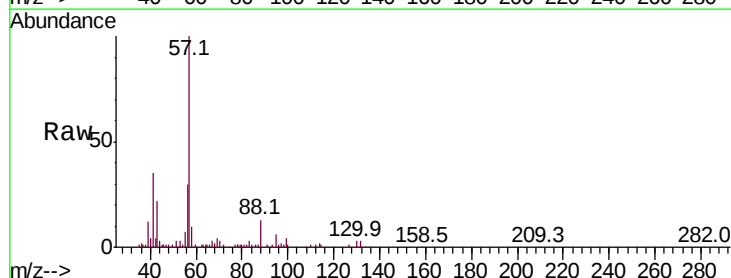
Ion Ratio Lower Upper

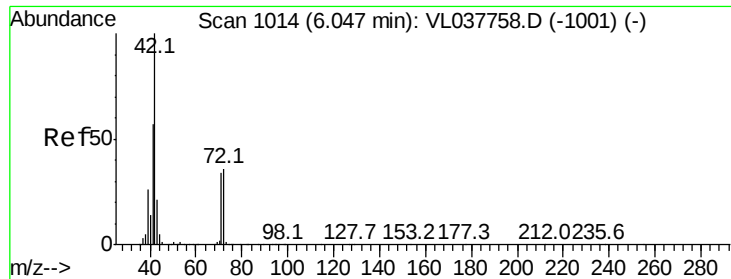
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0



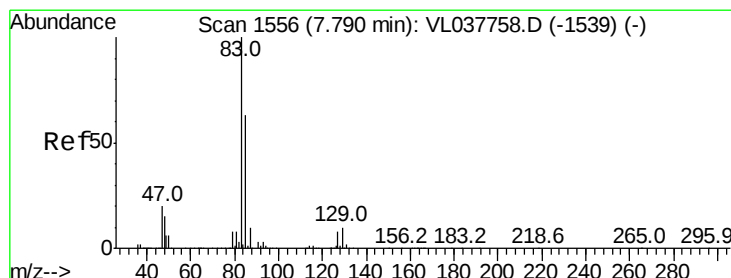
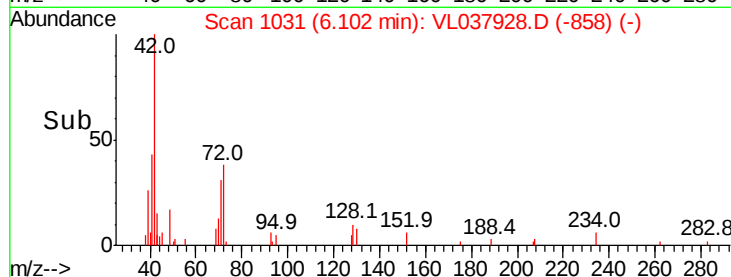
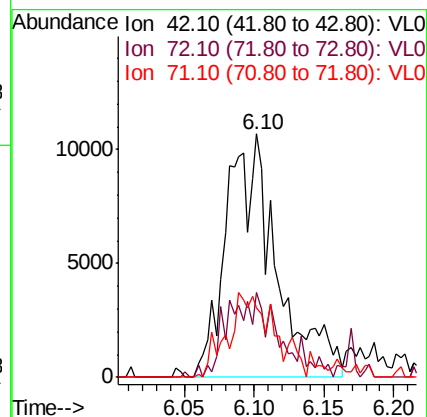
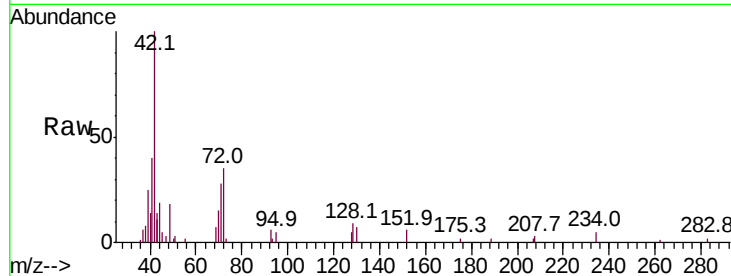


#41
Tetrahydrofuran
Concen: 0.337 ppbv m
RT: 6.10
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Oct 2021 22:44

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

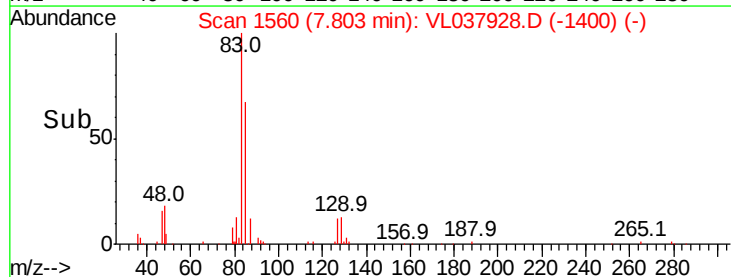
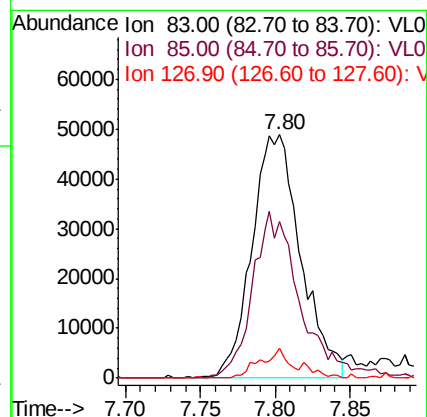
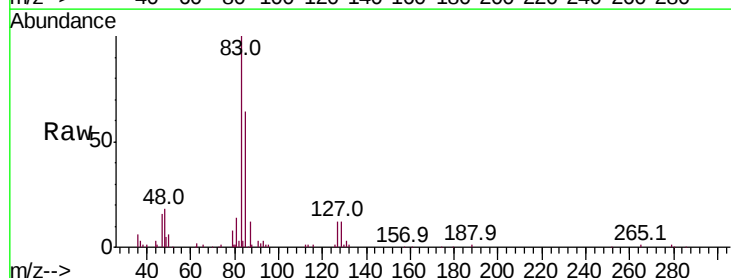
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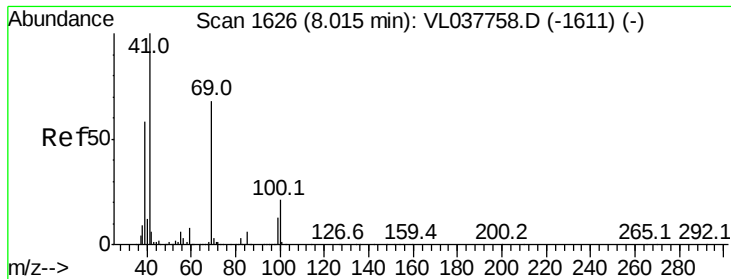
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#42
Bromodichloromethane
Concen: 0.465 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion: 83 Resp: 111229
Ion Ratio Lower Upper
83 100
85 64.3 50.6 75.8
127 12.5 6.2 9.4#



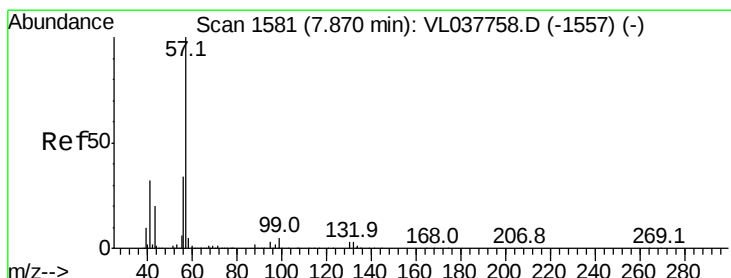
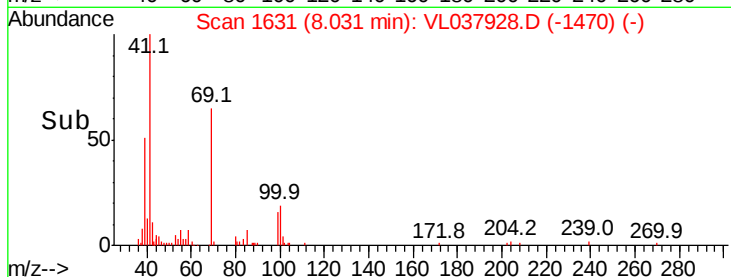
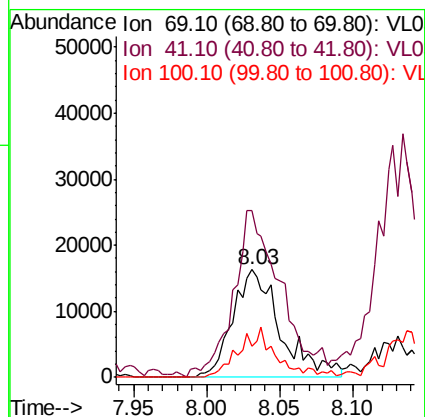
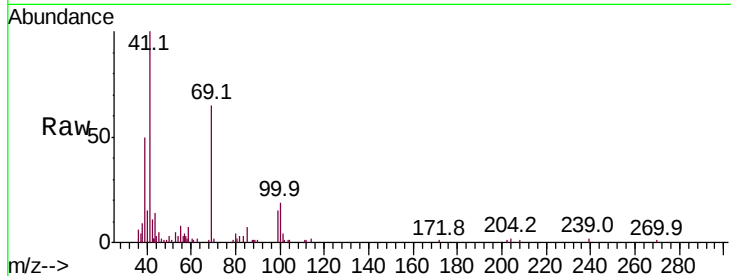


#43
Methvl Methacrilate
Concen: 0.329 ppbv m
RT: 8.03
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId:
Acq: 27 Oct 2021 22:44

Tot Ion:
Ion Ratio
69 100
41 152.
100 0.

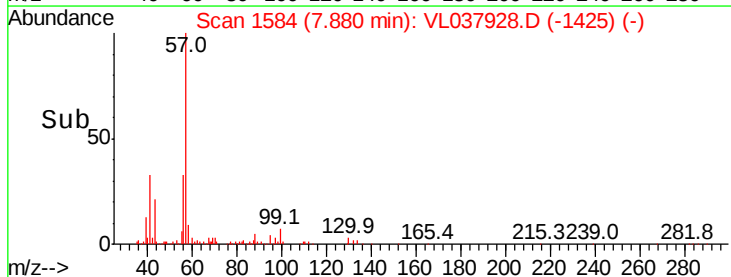
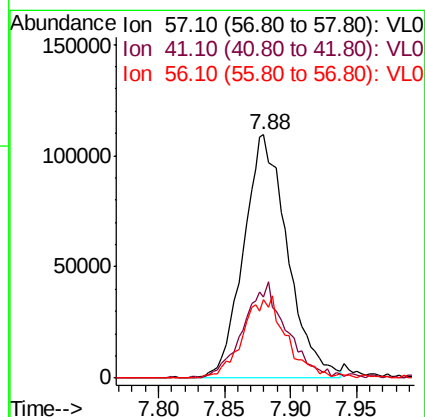
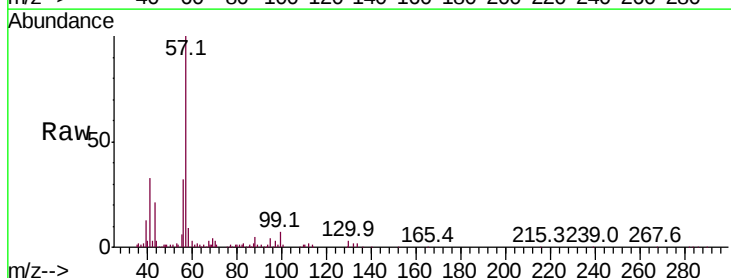
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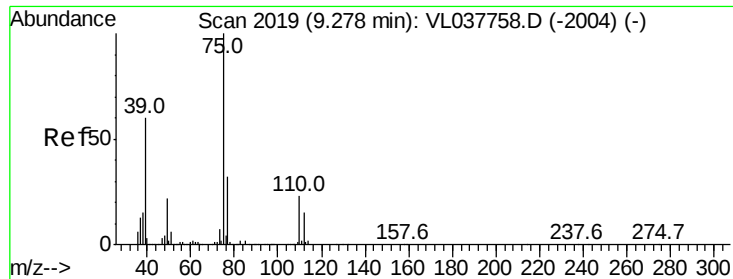
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#44
2,2,4-Trimethylpentane
Concen: 0.436 ppbv m
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion: 57 Resp: 253595
Ion Ratio Lower Upper
57 100
41 39.5 25.6 38.4#
56 34.0 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 0.300 ppbv m

RT: 9.29 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: LOQ-AIR-02-OT4-2021

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

75 100

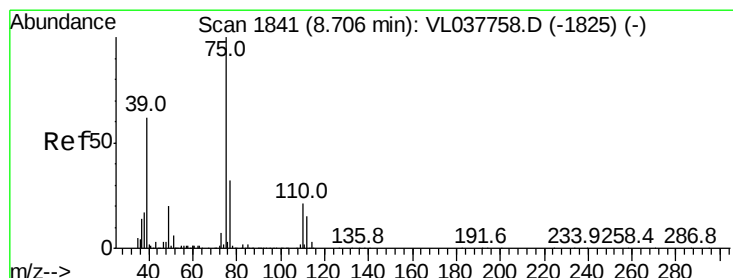
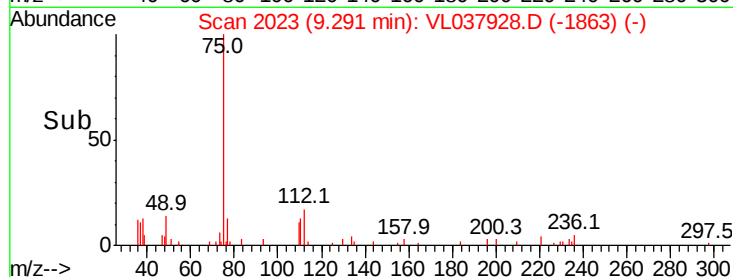
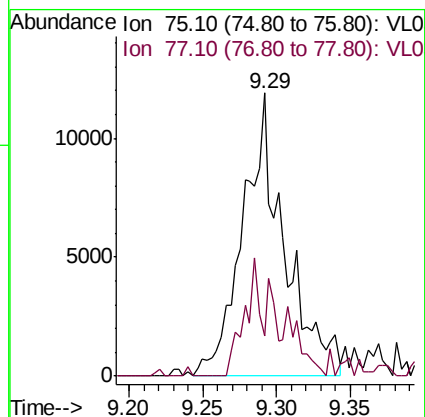
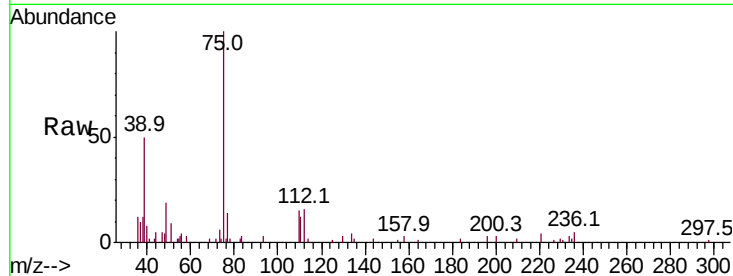
77 14.

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APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#46

cis-1,3-Dichloropropene

Concen: 0.351 ppbv m

RT: 8.71 min Scan# 1843

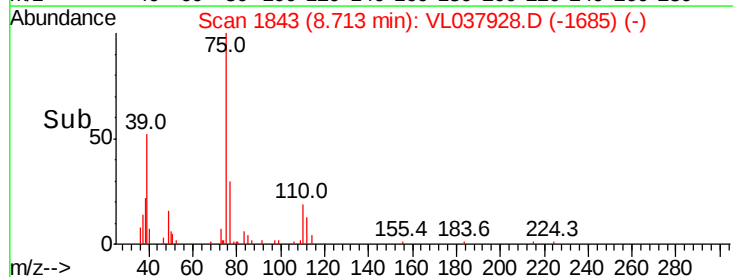
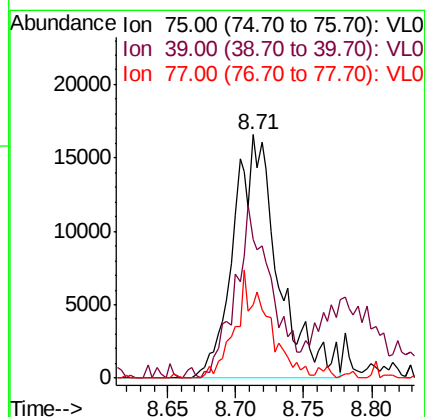
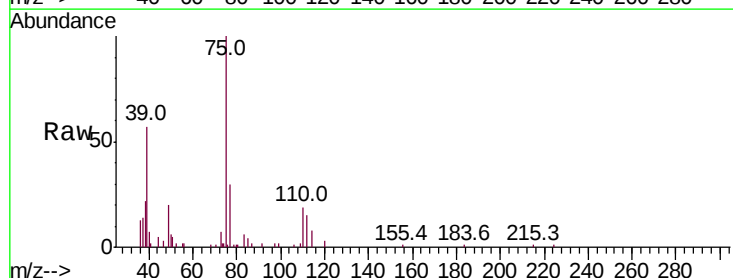
Delta R.T. 0.01 min

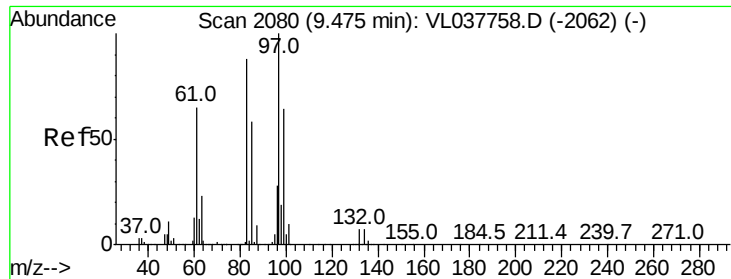
Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

Tgt Ion: 75 Resp: 37894

Ion	Ratio	Lower	Upper
75	100		
39	57.2	49.9	74.9
77	29.9	25.9	38.9





#47

1,1,2-Trichloroethane

Concen: 0.484 ppbv m

RT: 9.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

97 100

83 91.

85 59.

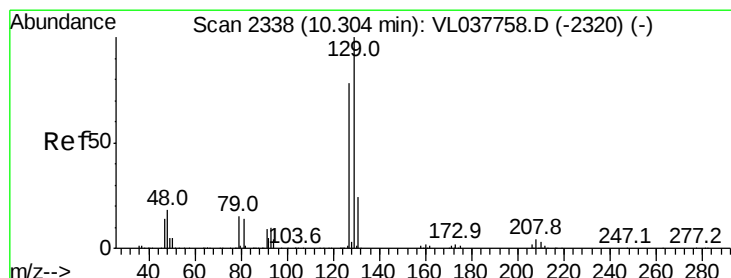
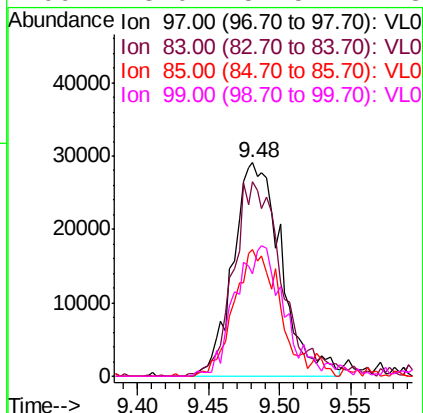
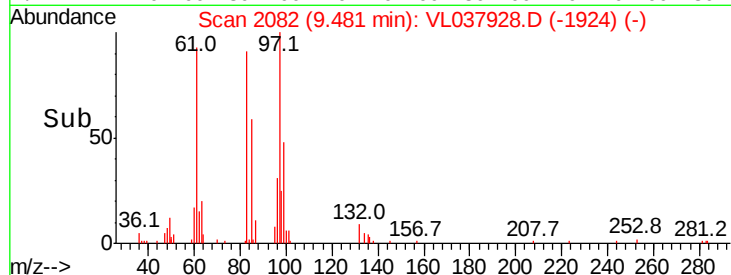
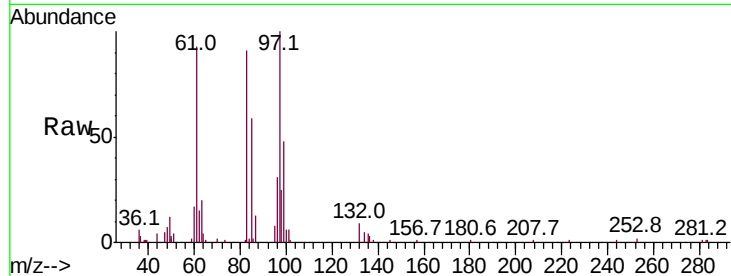
99 48.0 51.5 77.3#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#48

Dibromochloromethane

Concen: 0.414 ppbv m

RT: 10.31 min Scan# 2339

Delta R.T. 0.00 min

Lab File: VL037928.D

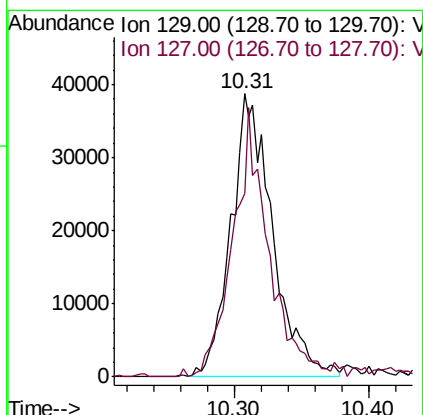
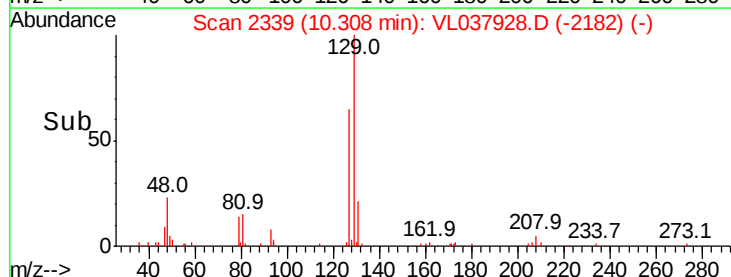
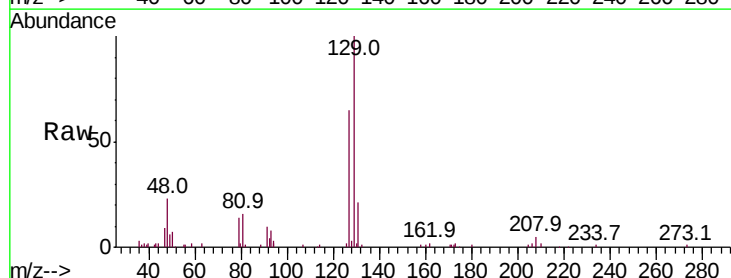
Acq: 27 Oct 2021 22:44

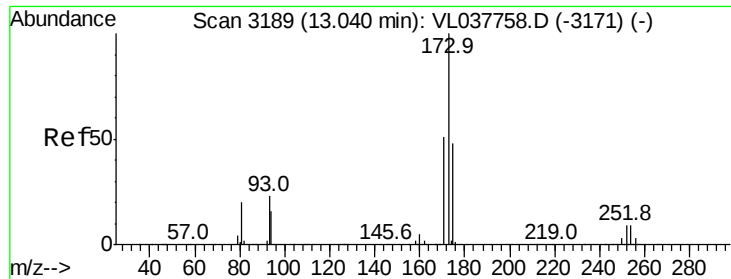
Tgt Ion:129 Resp: 83470

Ion Ratio Lower Upper

129 100

127 83.1 39.5 118.5





#49

Bromoform

Concen: 0.392 ppbv m

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 22:44

Tot Ion:1

Ion Ratio

173 100

175 0.

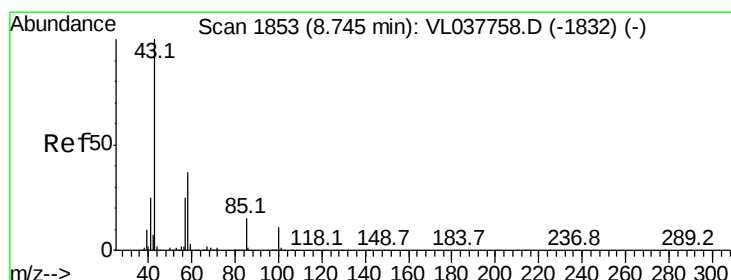
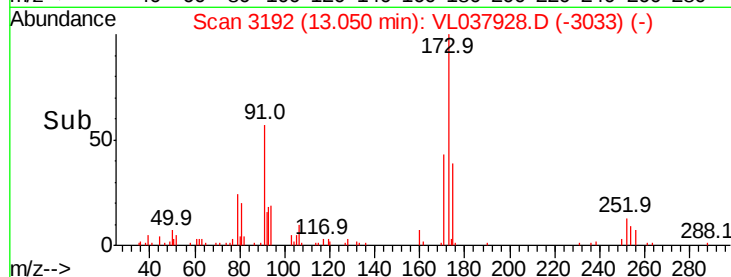
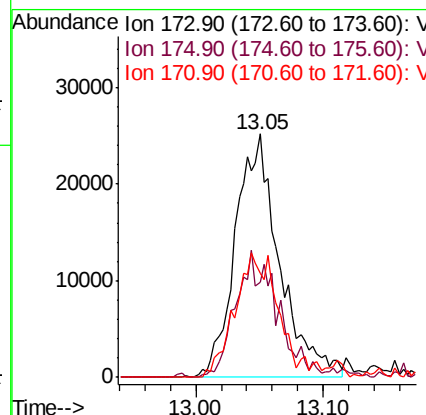
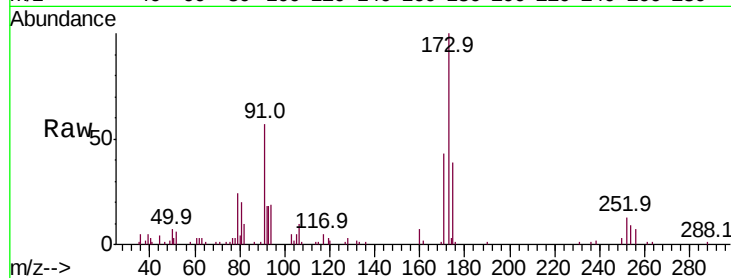
171 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#50

4-Methyl-2-Pentanone

Concen: 0.351 ppbv m

RT: 8.78 min Scan# 1863

Delta R.T. 0.03 min

Lab File: VL037928.D

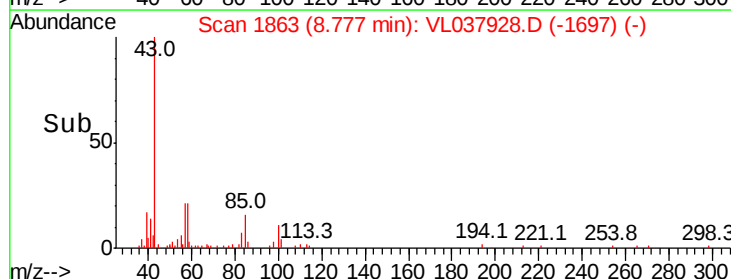
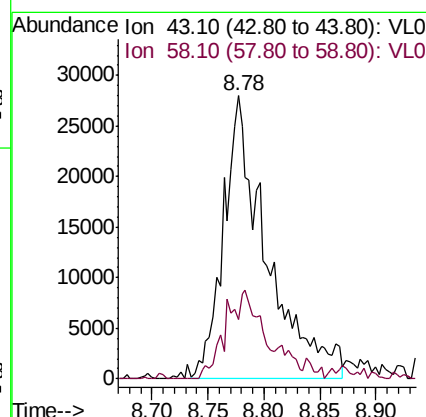
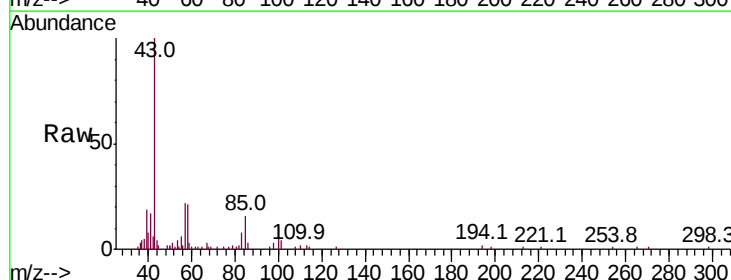
Acq: 27 Oct 2021 22:44

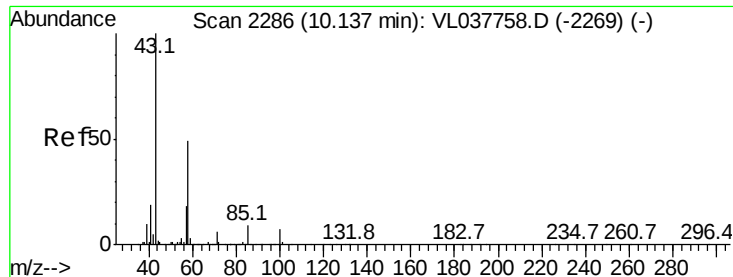
Tgt Ion: 43 Resp: 74808

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.0#





#51

2-Hexanone

Concen: 0.340 ppbv m

RT: 10.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

43 100

58 0.

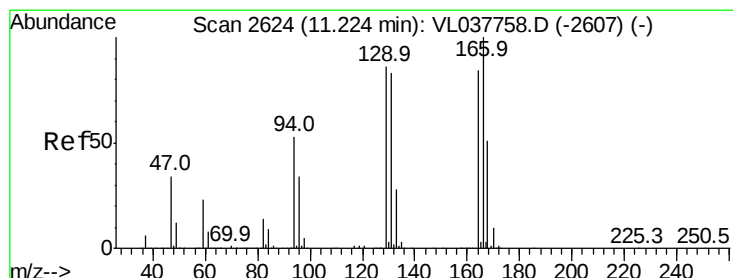
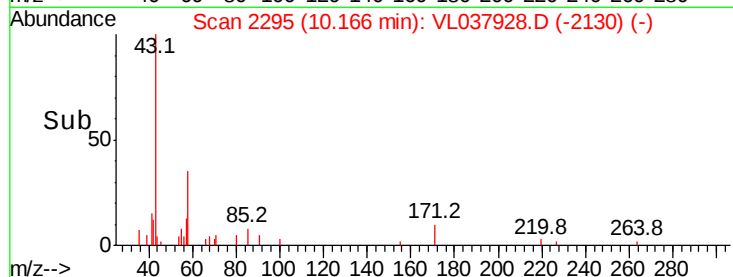
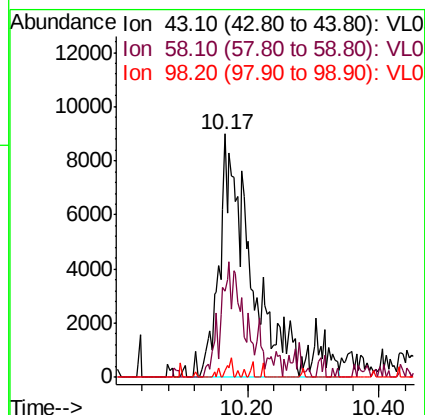
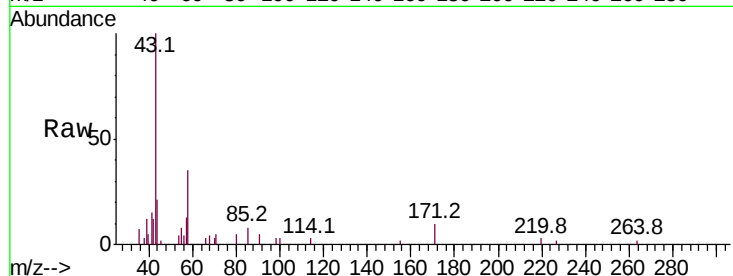
98 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#52

Tetrachloroethene

Concen: 0.410 ppbv m

RT: 11.24 min Scan# 2628

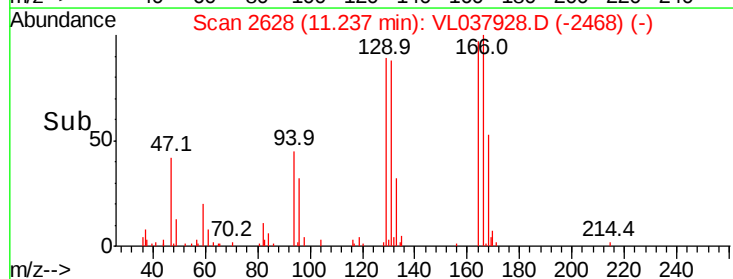
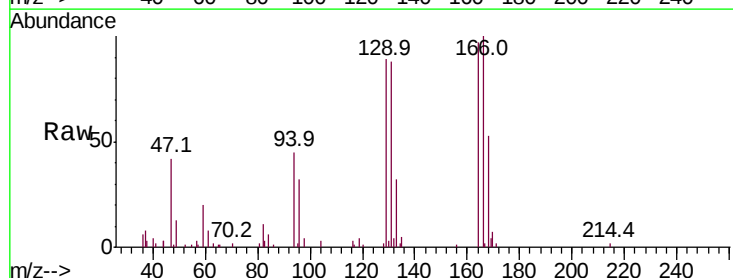
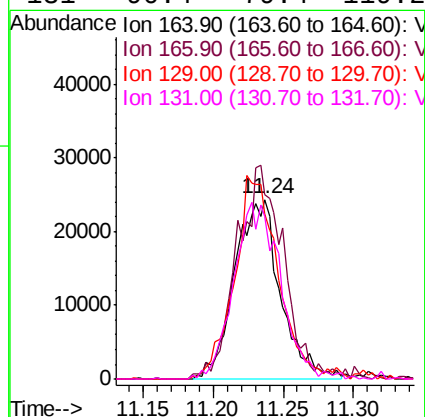
Delta R.T. 0.01 min

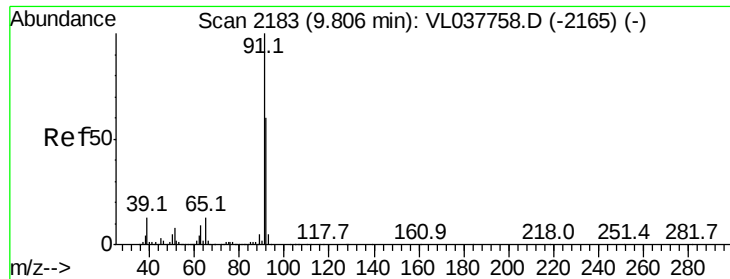
Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

Tgt Ion:164 Resp: 55273

Ion	Ratio	Lower	Upper
164	100		
166	102.9	95.4	143.2
129	91.8	82.2	123.4
131	90.4	79.4	119.2





#53

Toluene

Concen: 0.330 ppbv m

RT: 9.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:

Ion Ratio

91 100

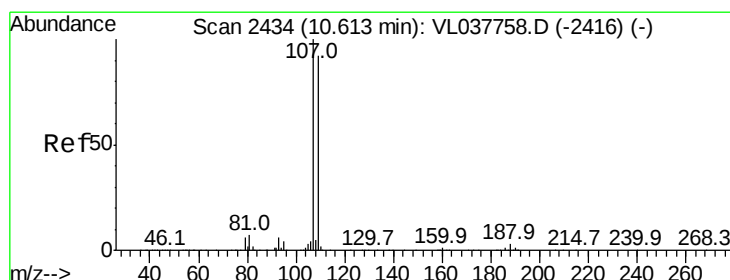
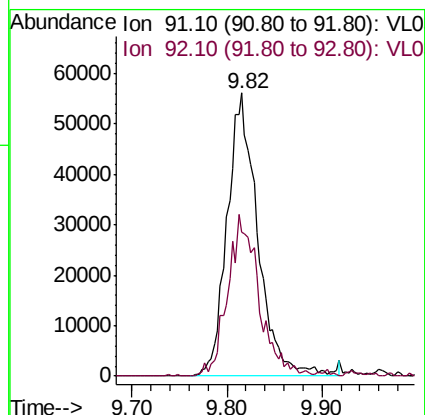
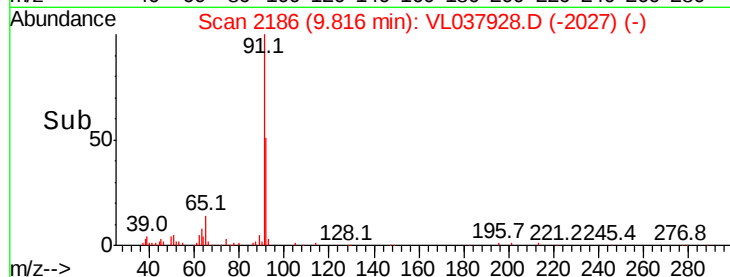
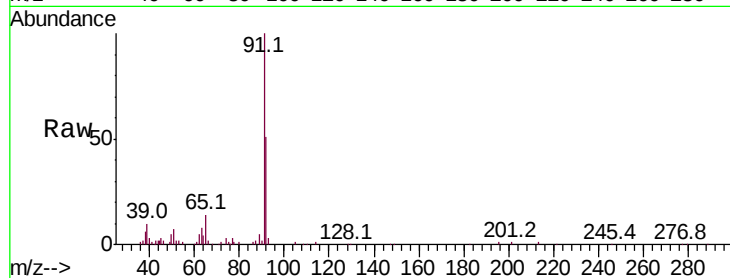
92 58.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#54

1,2-Dibromoethane

Concen: 0.409 ppbv m

RT: 10.62 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL037928.D

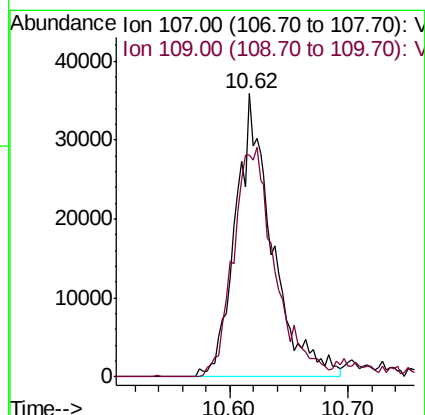
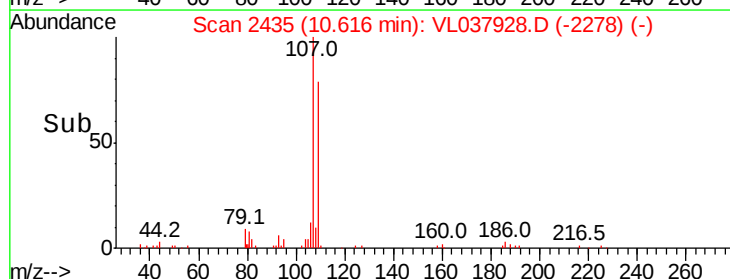
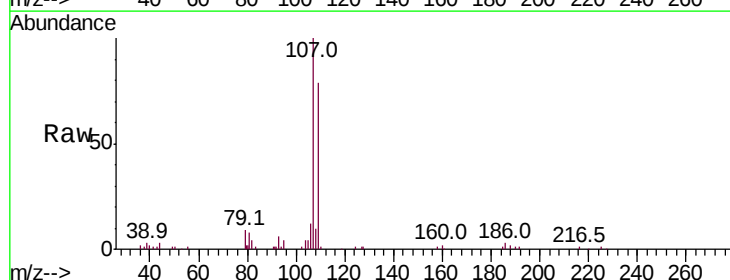
Acq: 27 Oct 2021 22:44

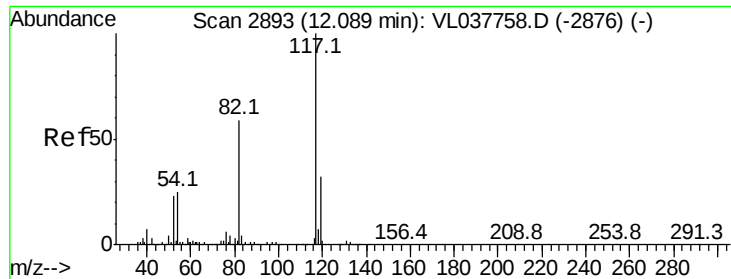
Tgt Ion:107 Resp: 78218

Ion Ratio Lower Upper

107 100

109 78.6 73.8 110.6



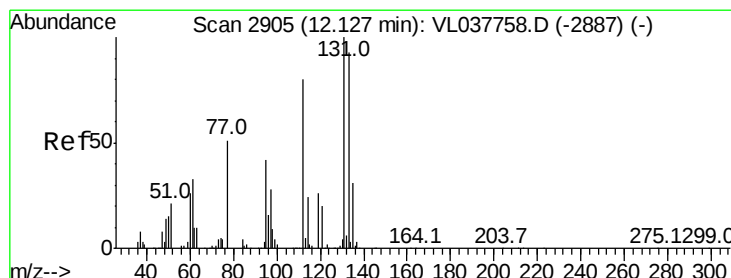
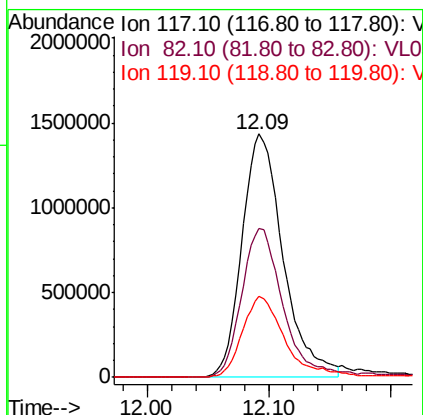
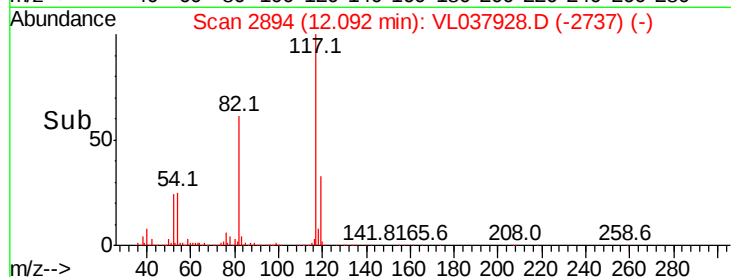
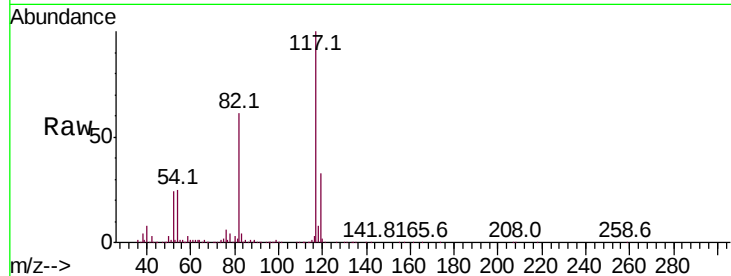


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId :
Acq: 27 Oct 2021 22:44

Tot Ion: 1
Ion Ratio
117 100
82 64.1
119 35.1

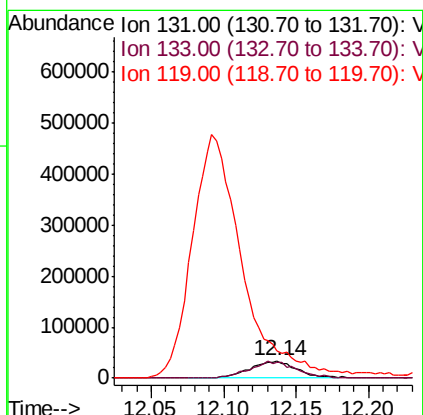
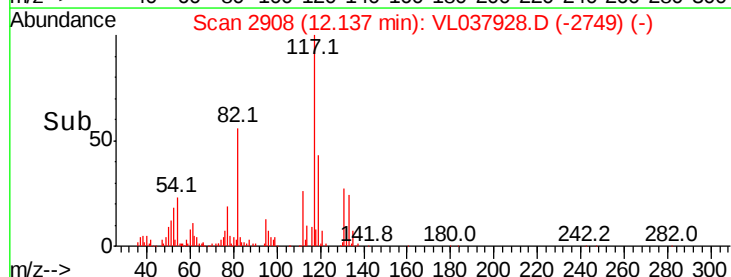
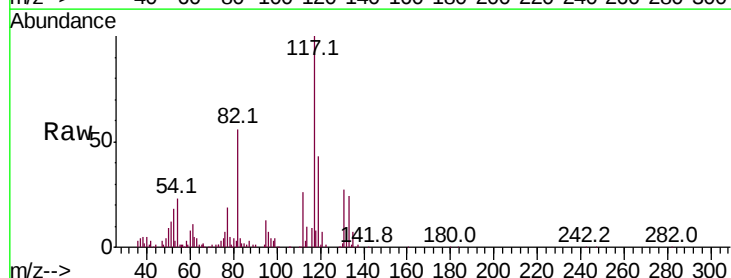
Manual Integrations
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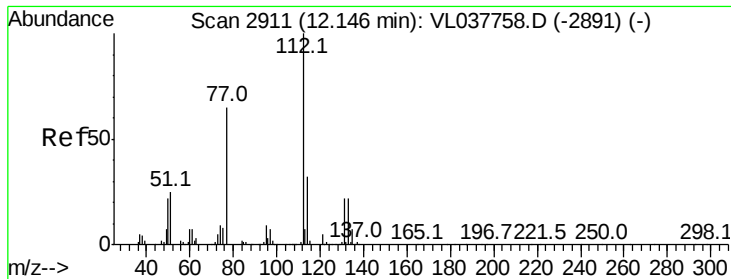
Reviewed By : Semsettin Yesilyurt 10/28/2021
Supervised By : Mahesh Dadoda 10/29/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 0.547 ppbv
RT: 12.14 min Scan# 2908
Delta R.T.: 0.01 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion: 131 Resp: 75843
Ion Ratio Lower Upper
131 100
133 102.5 78.5 117.7
119 1561.5 51.7 77.5#





#57

Chlorobenzene

Concen: 0.547 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 22:44

Tot Ion:1

Ion Rati

112 100

77 60.

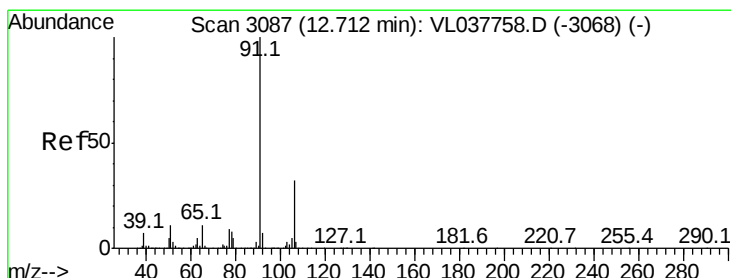
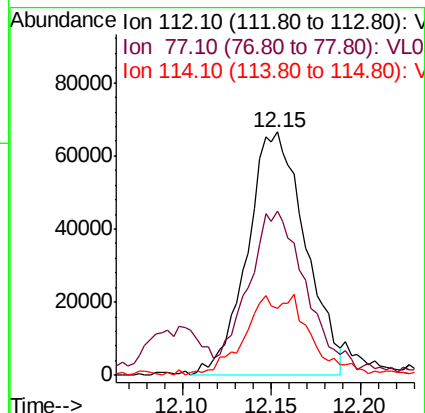
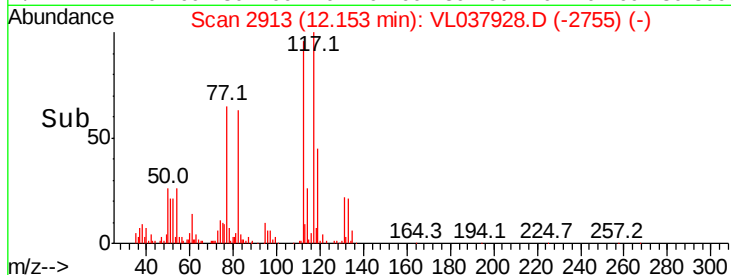
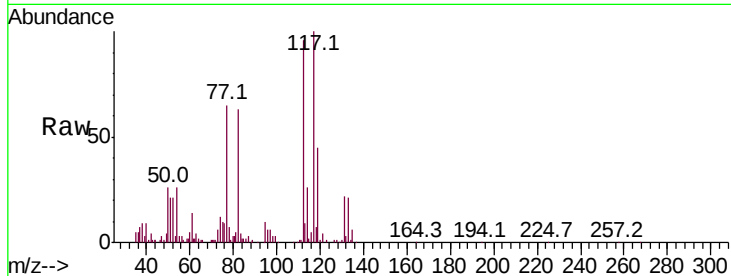
114 26.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#58

Ethyl Benzene

Concen: 0.369 ppbv m

RT: 12.72 min Scan# 3089

Delta R.T. 0.01 min

Lab File: VL037928.D

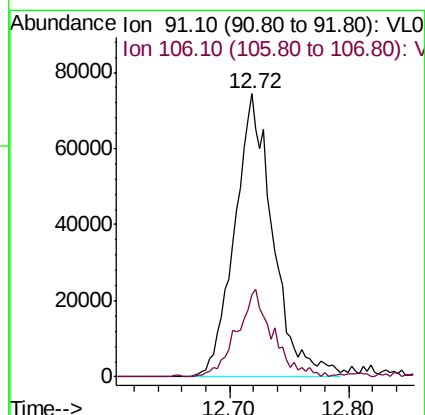
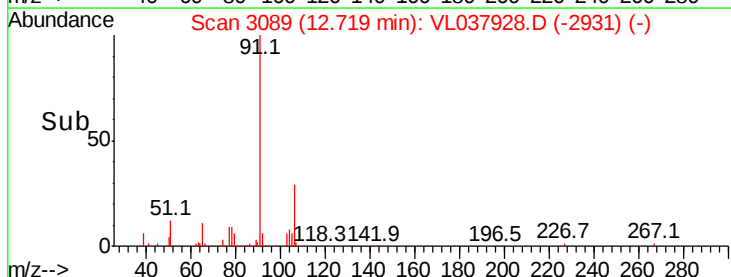
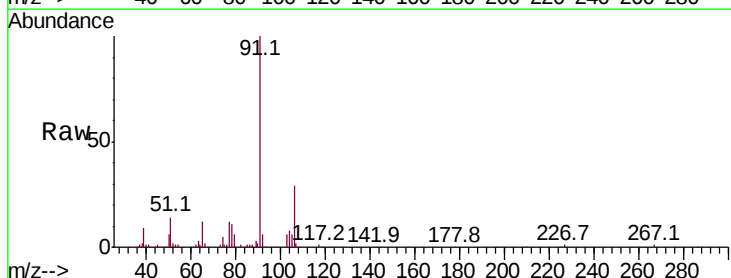
Acq: 27 Oct 2021 22:44

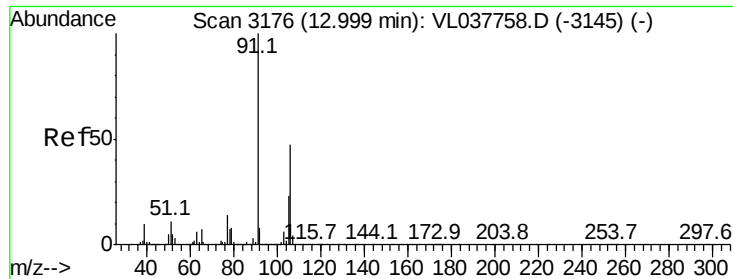
Tgt Ion: 91 Resp: 165876

Ion Ratio Lower Upper

91 100

106 29.3 25.3 37.9



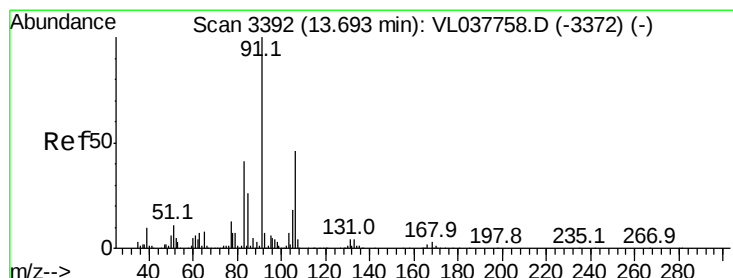
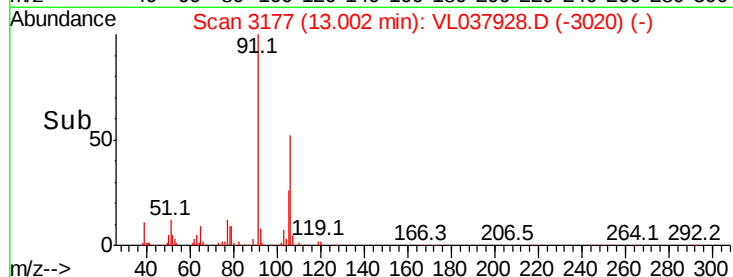
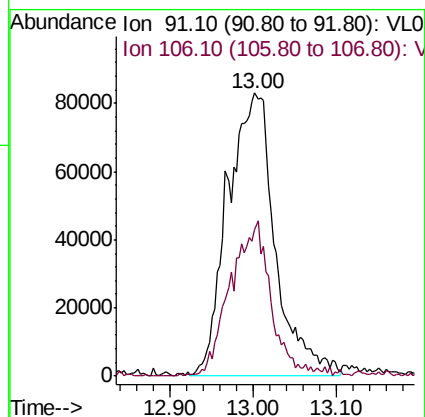
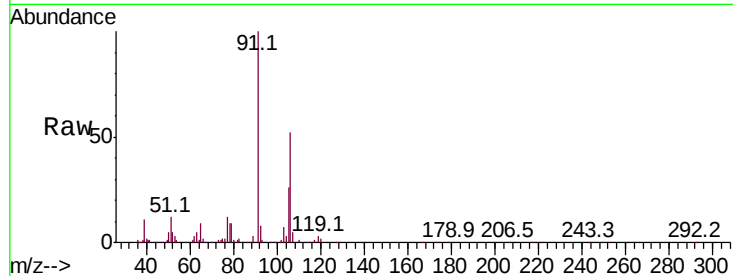


#59
m/p-Xylene
Concen: 0.856 ppbv m
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Oct 2021 22:44

Tot Ion:
Ion Ratio
91 100
106 0.

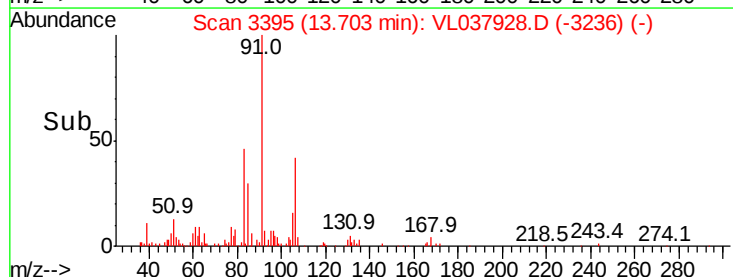
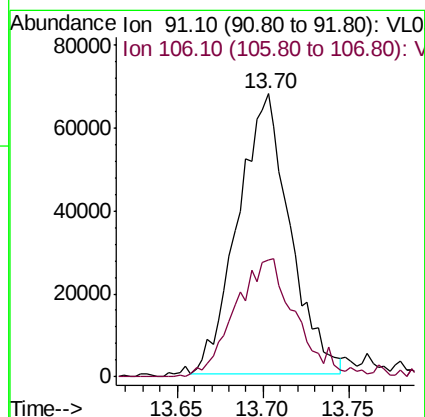
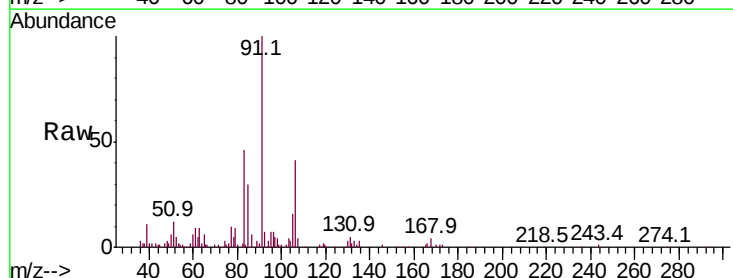
Manual Integrations
APPROVED

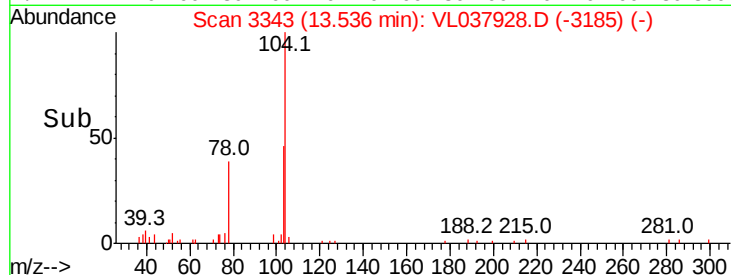
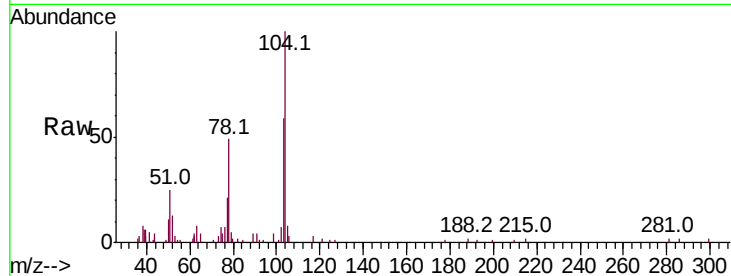
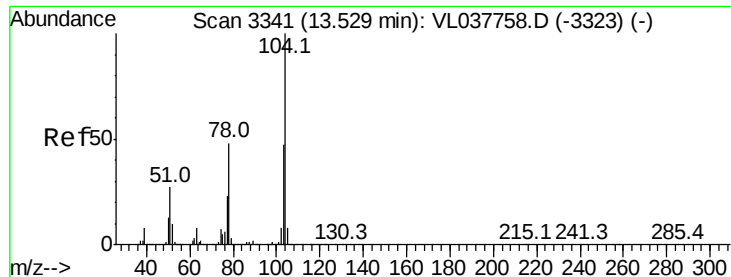
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#60
o-Xylene
Concen: 0.385 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion: 91 Resp: 142239
Ion Ratio Lower Upper
91 100
106 48.9 23.5 70.5



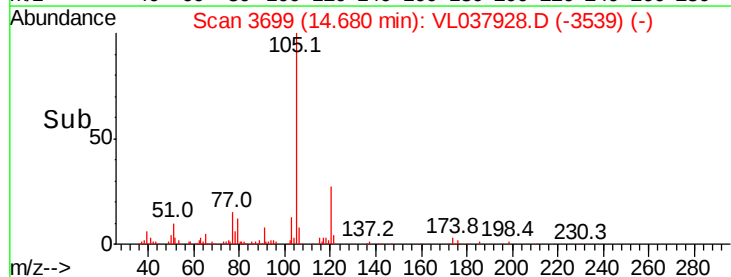
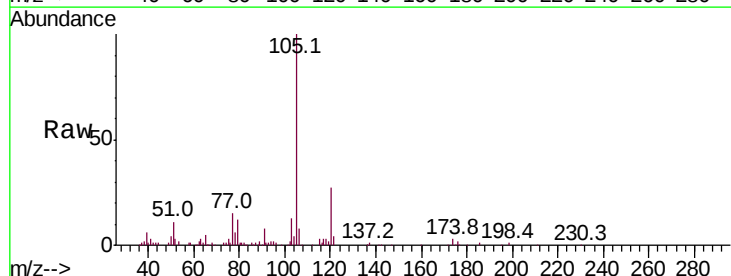
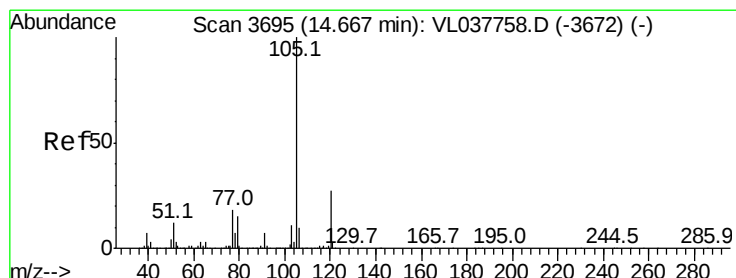
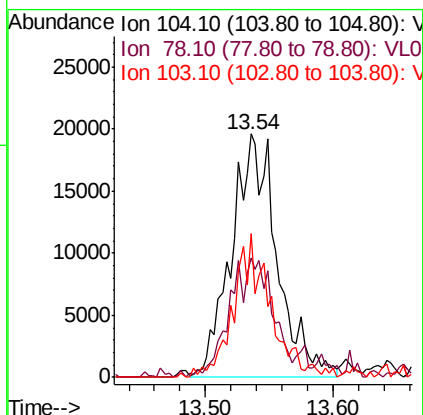


#61
Stvrene
Concen: 0.272 ppbv m
RT: 13.54
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Oct 2021 22:44

Tot Ion:1
Ion Rati
104 100
78 52.
103 48.

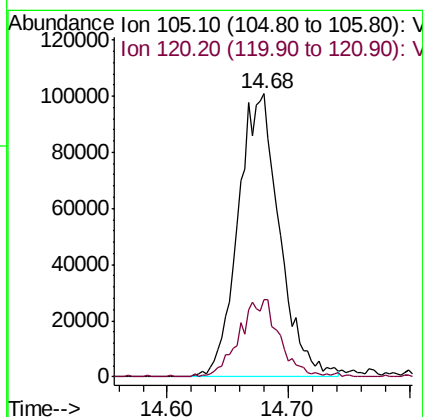
Manual Integrations
APPROVED

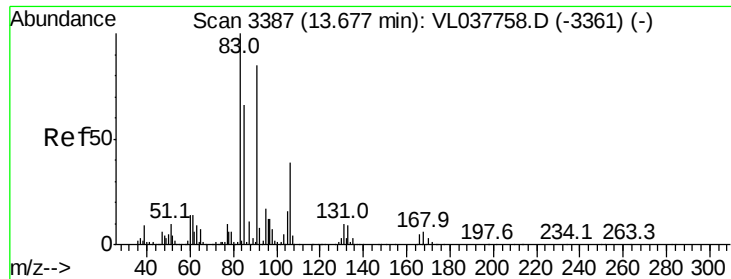
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#62
Isopropylbenzene
Concen: 0.463 ppbv m
RT: 14.68 min Scan# 3699
Delta R.T. 0.01 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion:105 Resp: 238891
Ion Ratio Lower Upper
105 100
120 0.0 21.3 31.9#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.551 ppbv m

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 22:44

Manual Integrations

APPROVED

Tot Ion:

Ion Ratio

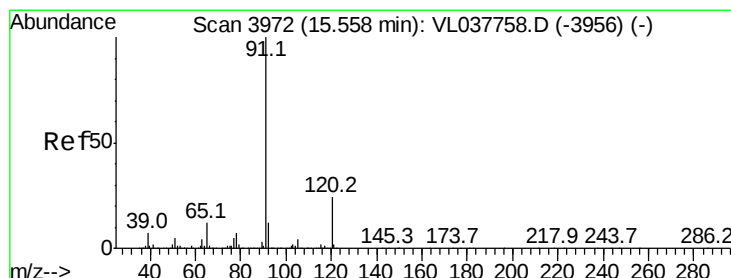
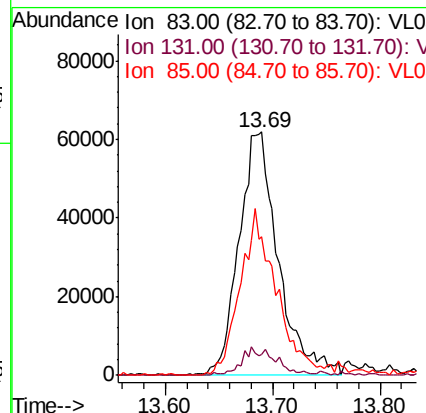
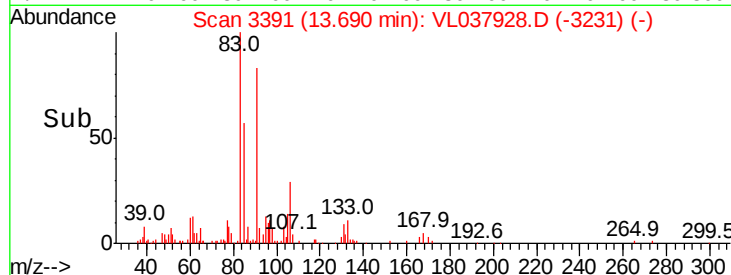
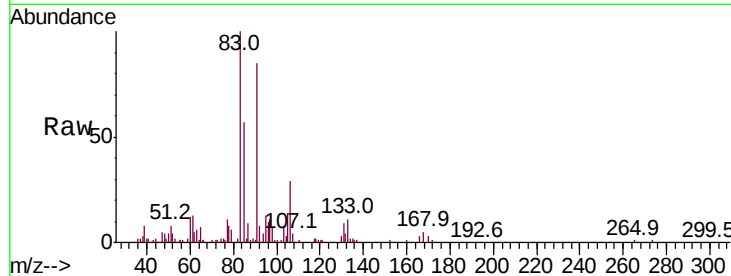
83 100

131 10.

85 65.

Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#64

n-propylbenzene

Concen: 0.416 ppbv m

RT: 15.57 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VL037928.D

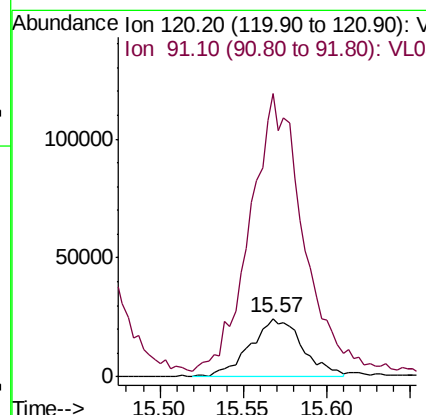
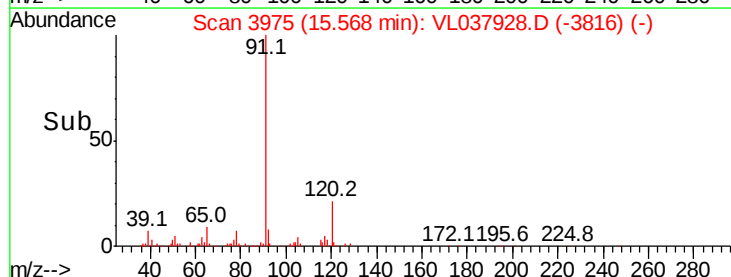
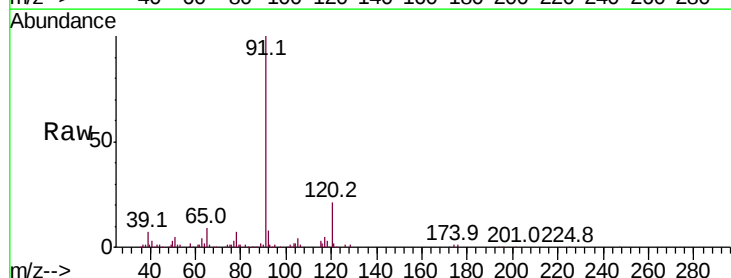
Acq: 27 Oct 2021 22:44

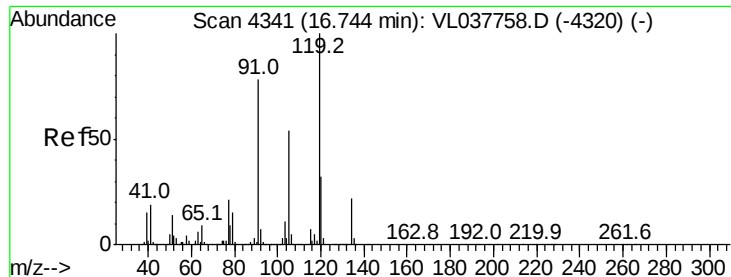
Tgt Ion:120 Resp: 53473

Ion Ratio Lower Upper

120 100

91 519.4 375.0 562.6



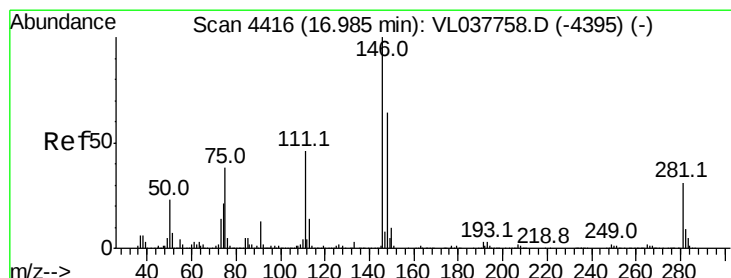
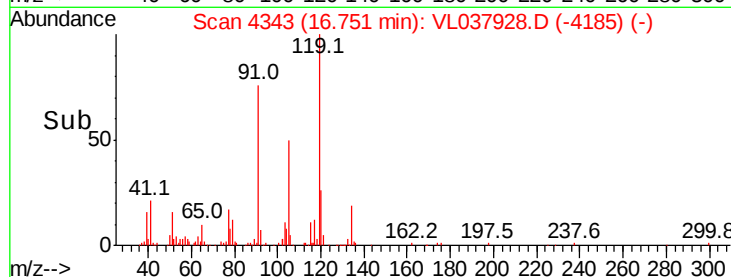
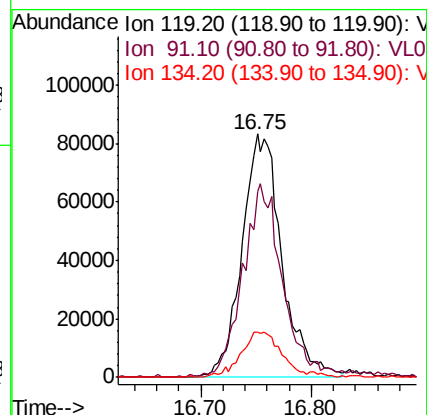
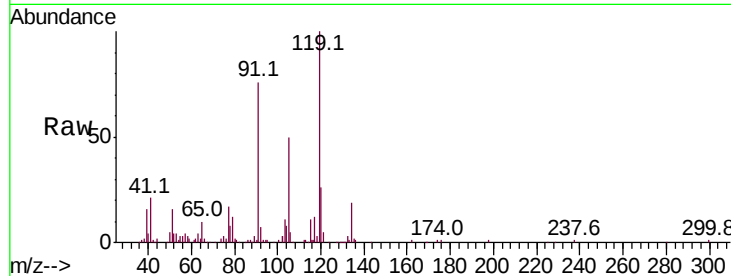


#65
tert-Butylbenzene
Concen: 0.459 ppbv m
RT: 16.75 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Oct 2021 22:44

Tot Ion: 1
Ion Ratio
119 100
91 0.
134 20.

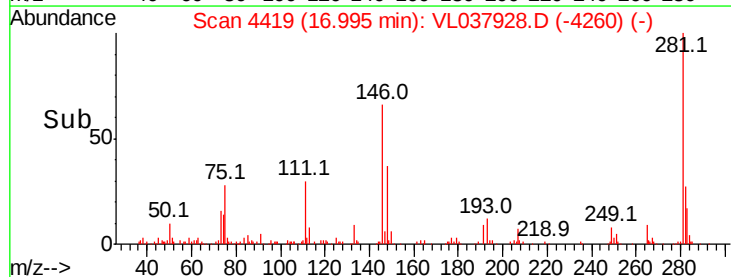
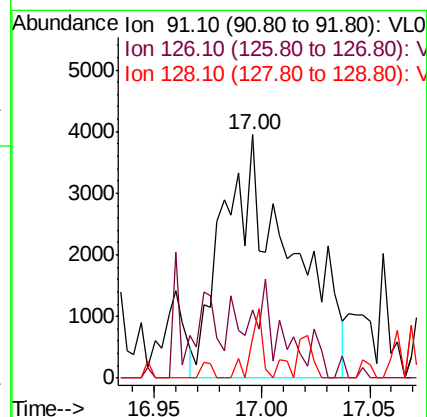
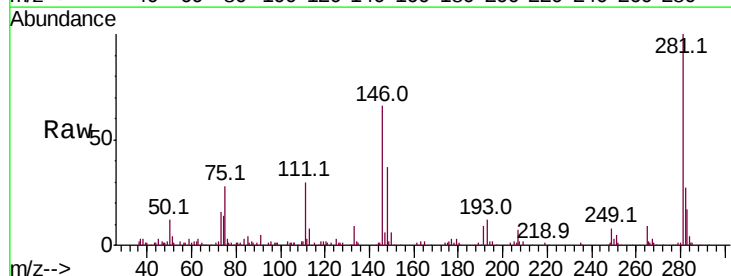
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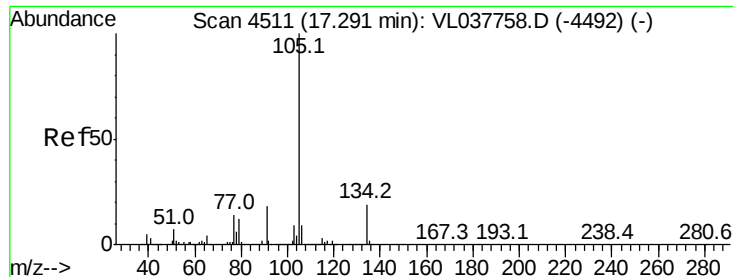
Reviewed By : Semsettin Yesilyurt 10/28/2021
Supervised By : Mahesh Dadoda 10/29/2021



#66
Benzyl Chloride
Concen: 0.385 ppbv m
RT: 17.00 min Scan# 4419
Delta R.T.: 0.01 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion: 91 Resp: 8627
Ion Ratio Lower Upper
91 100
126 16.6 0.0 0.0#
128 1.1 5.3 7.9#





#67

sec-Butylbenzene

Concen: 0.427 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:1

Ion Ratio

105 100

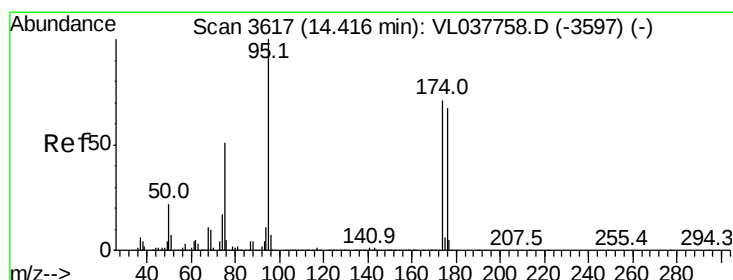
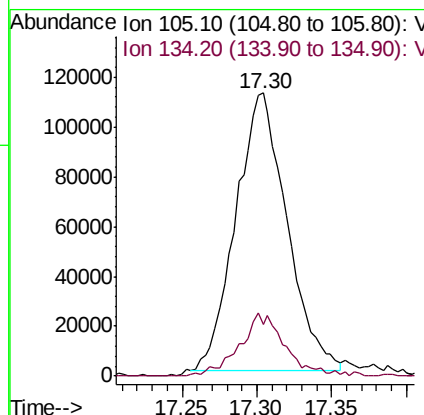
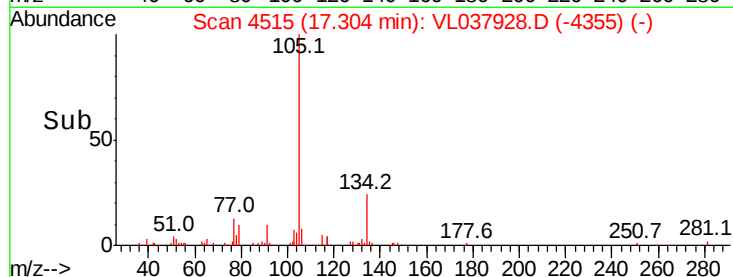
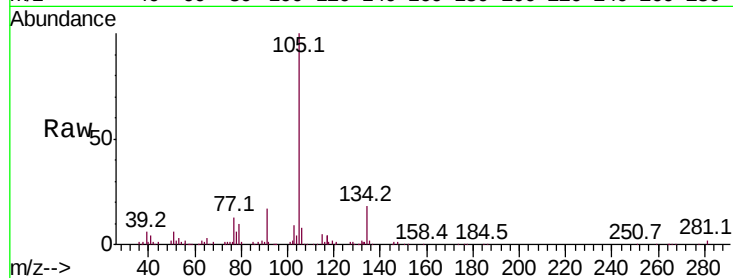
134 20.

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.216 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

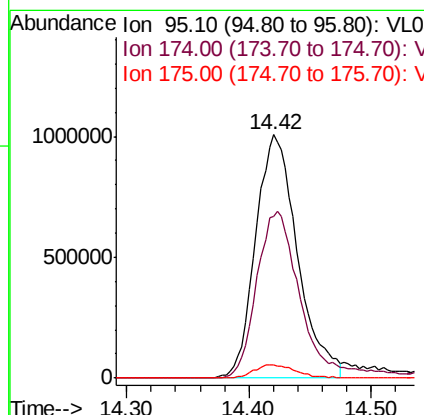
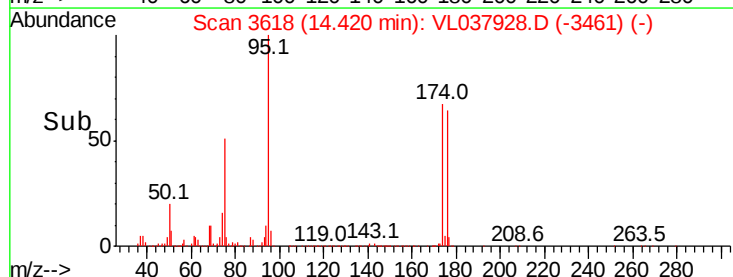
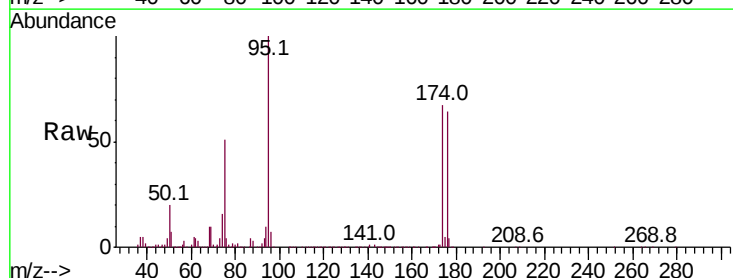
Tgt Ion: 95 Resp: 2391922

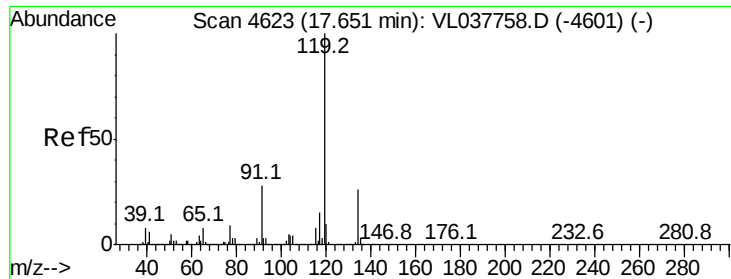
Ion Ratio Lower Upper

95 100

174 75.4 57.8 86.6

175 5.6 4.7 7.1



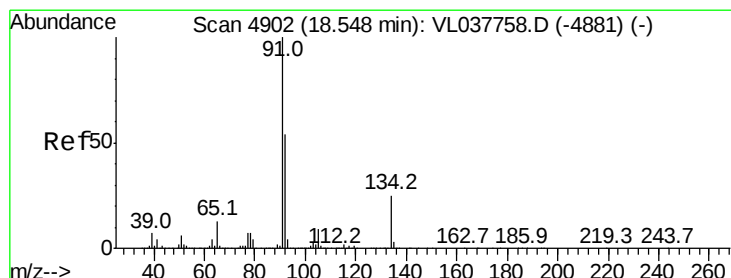
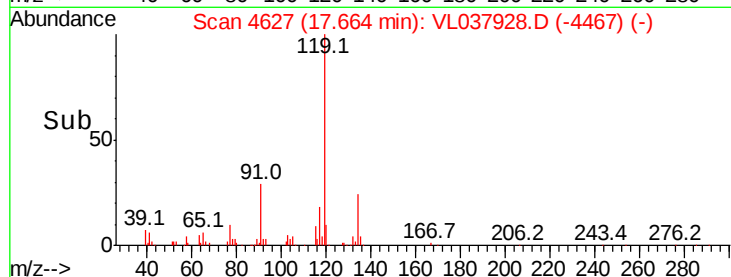
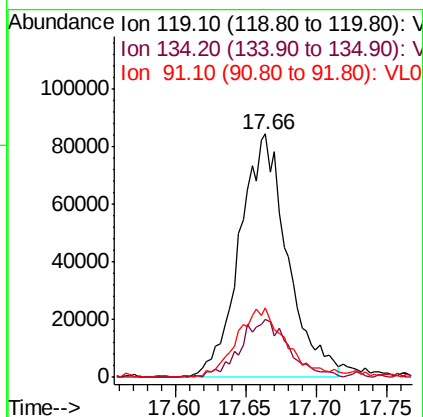
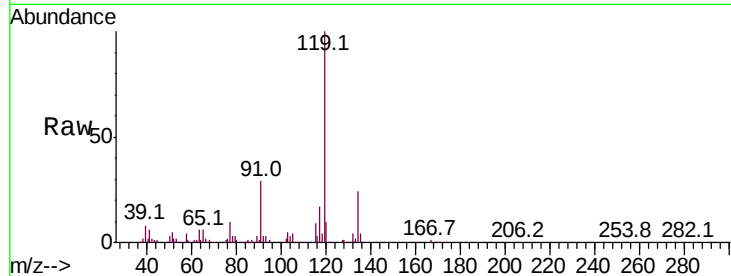


#69
 p-Isopropyltoluene
 Concen: 0.396 ppbv
 RT: 17.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Oct 2021 22:44

Tot Ion: 1
 Ion Ratio
 119 100
 134 25.
 91 31.

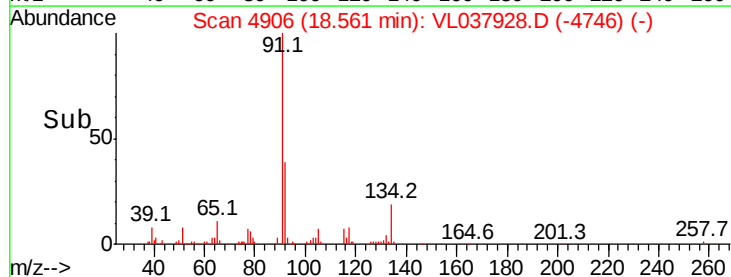
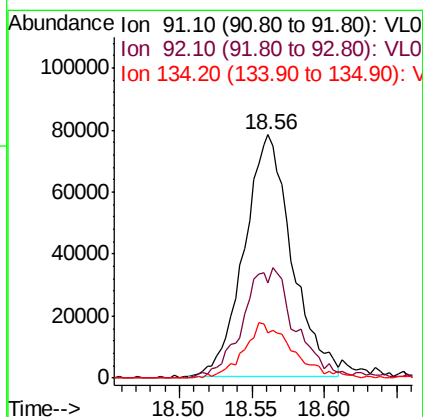
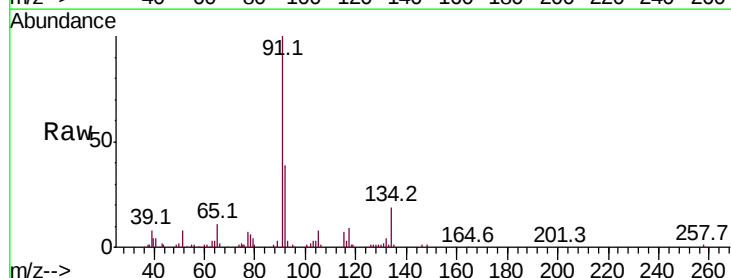
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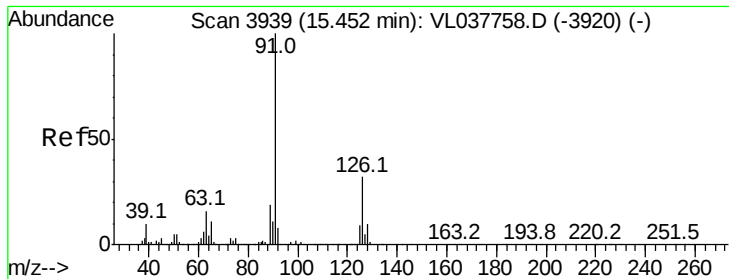
Reviewed By : Semsettin Yesilyurt 10/28/2021
 Supervised By : Mahesh Dadoda 10/29/2021



#70
 n-Butylbenzene
 Concen: 0.372 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.01 min
 Lab File: VL037928.D
 Acq: 27 Oct 2021 22:44

Tgt Ion: 91 Resp: 177302
 Ion Ratio Lower Upper
 91 100
 92 51.6 43.4 65.0
 134 23.9 19.8 29.6



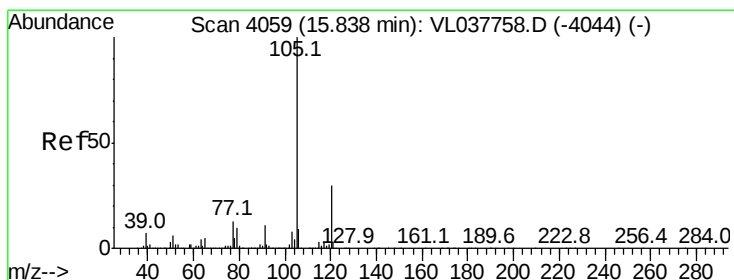
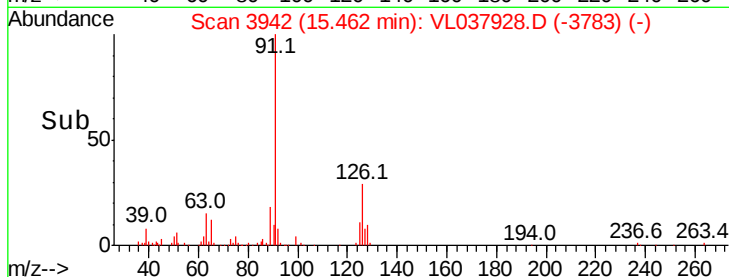
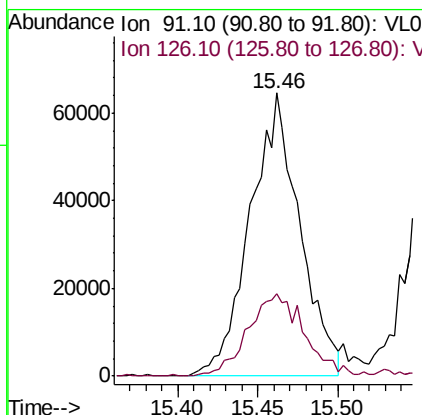
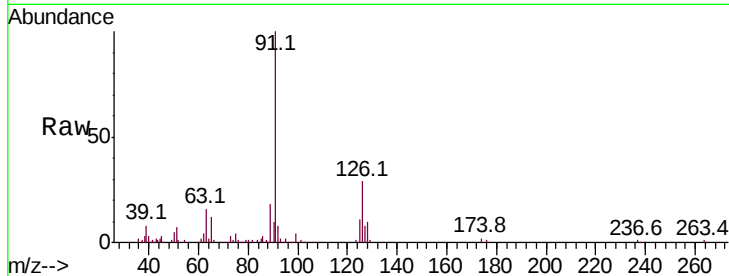


#71
 2-Chlorotoluene
 Concen: 0.378 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Oct 2021 22:44

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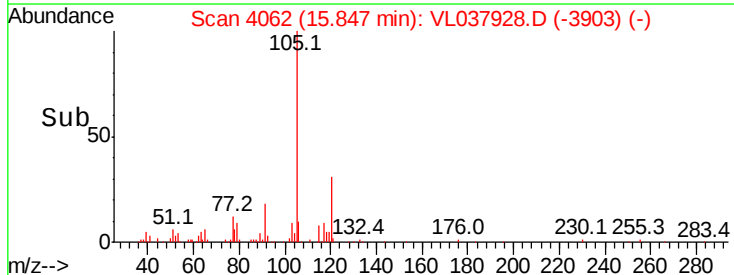
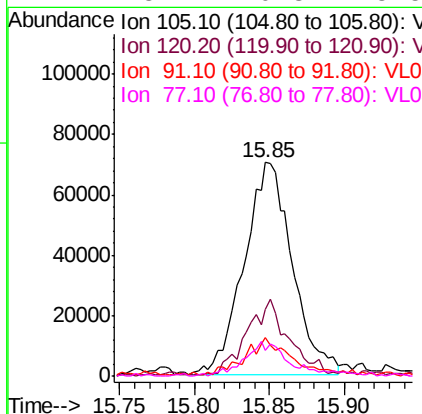
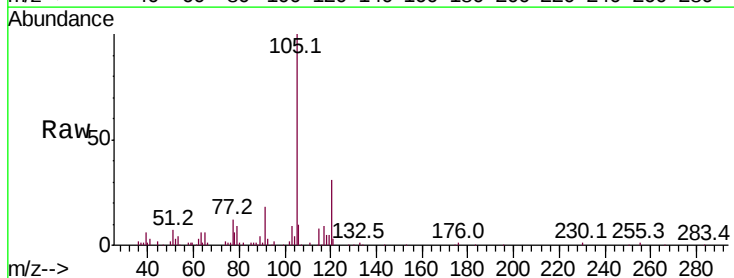
Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021

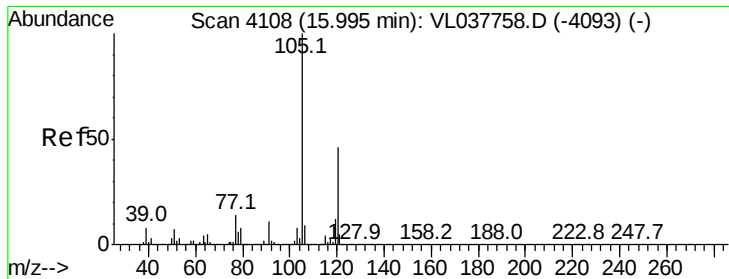
Tot Ion:
 Ion Ratio
 91 100
 126 33.



#72
 4-Ethyltoluene
 Concen: 0.376 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. 0.01 min
 Lab File: VL037928.D
 Acq: 27 Oct 2021 22:44

Tgt Ion:105 Resp: 157849
 Ion Ratio Lower Upper
 105 100
 120 32.2 24.2 36.2
 91 17.4 10.4 15.6#
 77 15.7 10.3 15.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.395 ppbv

RT: 16.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 22:44

Tot Ion:1

Ion Rati

105 100

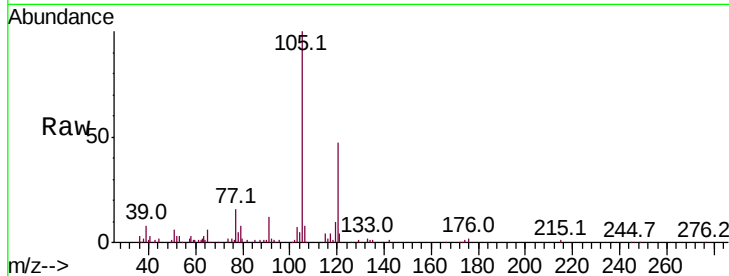
120 47.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/29/2021



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.01

80000

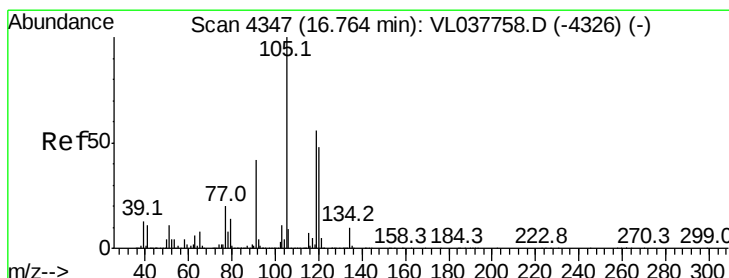
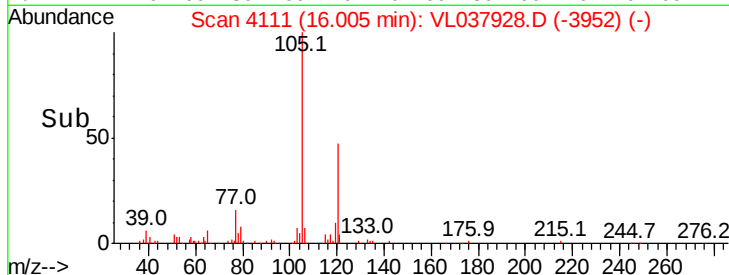
60000

40000

20000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.456 ppbv m

RT: 16.77 min Scan# 4348

Delta R.T. 0.00 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

Tgt Ion:105 Resp: 182712

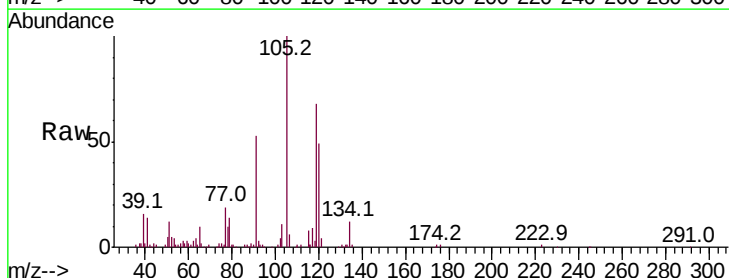
Ion Ratio Lower Upper

105 100

120 49.2 38.4 57.6

91 53.1 34.2 51.2#

77 19.5 15.8 23.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

16.77

120000

100000

80000

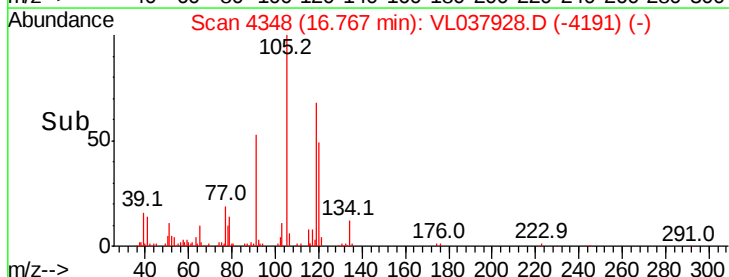
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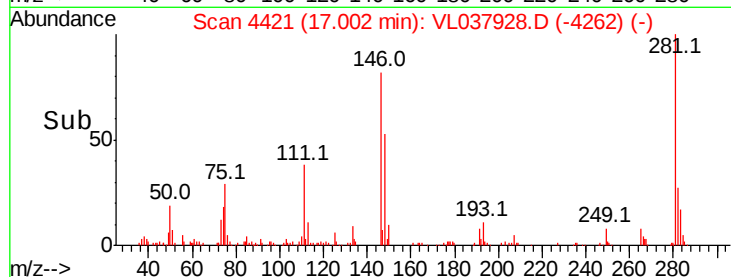
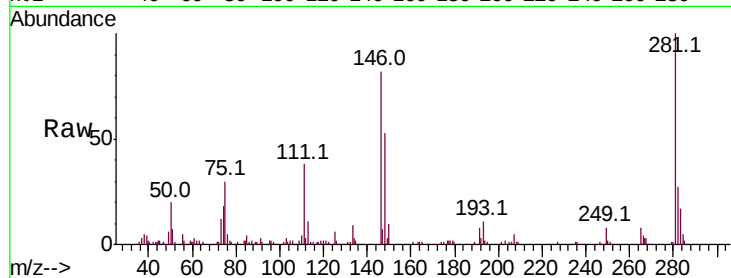
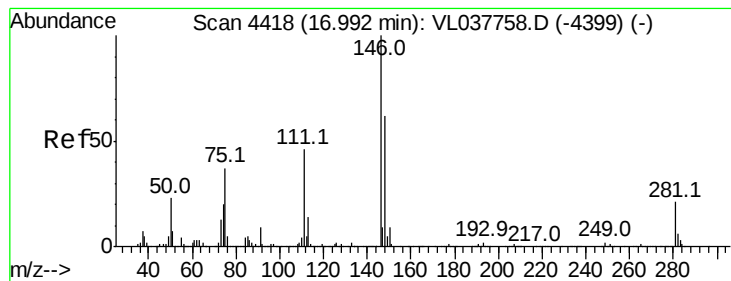
40000

20000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 0.513 ppbv

RT: 17.00

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 27 Oct 2021 22:44

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2021

Supervised By :Mahesh Dadoda 10/29/2021

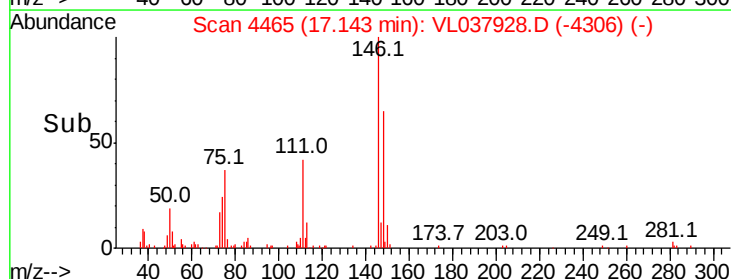
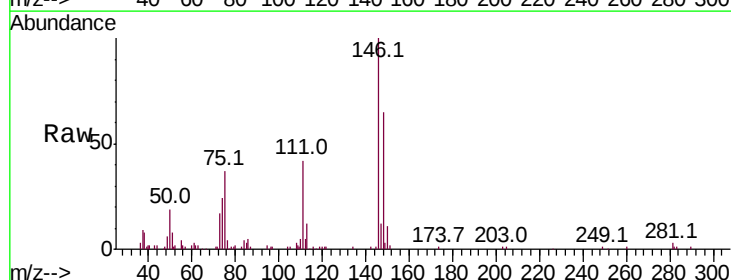
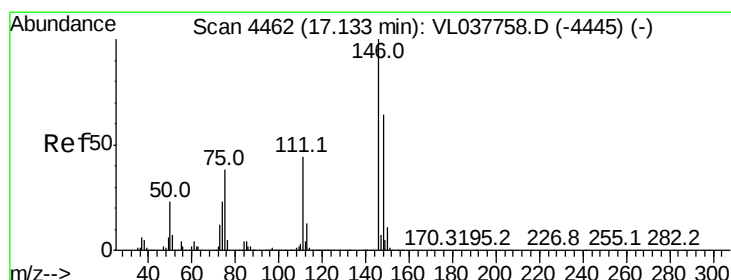
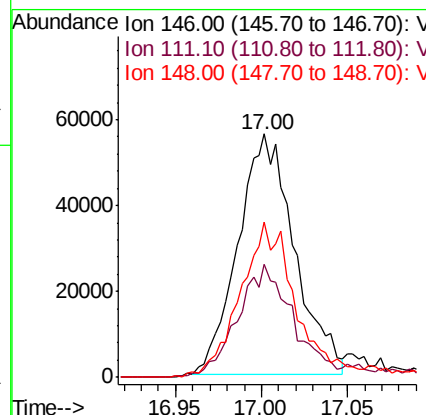
Tot Ion:1

Ion Rati

146 100

111 50.

148 65.



#76

1,4-Dichlorobenzene

Concen: 0.497 ppbv m

RT: 17.14 min Scan# 4465

Delta R.T. 0.01 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

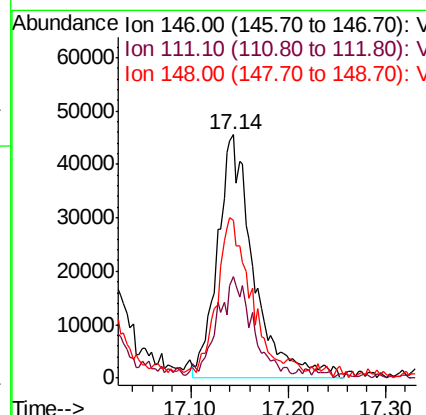
Tgt Ion:146 Resp: 117579

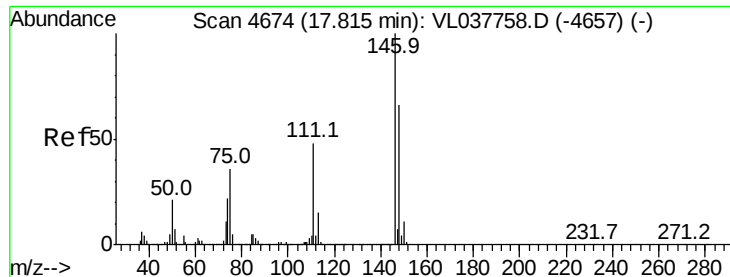
Ion Ratio Lower Upper

146 100

111 41.6 22.4 67.3

148 67.8 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 0.458 ppbv

RT: 17.83

Delta R.T. MSVOA_L

Lab File:

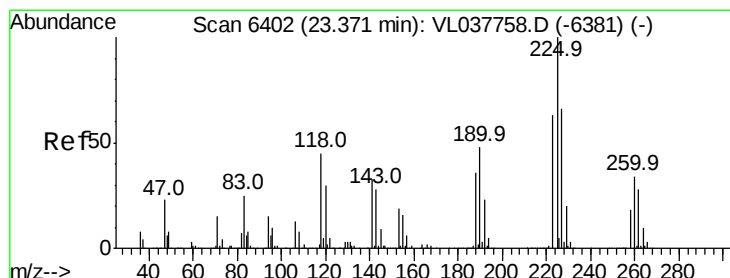
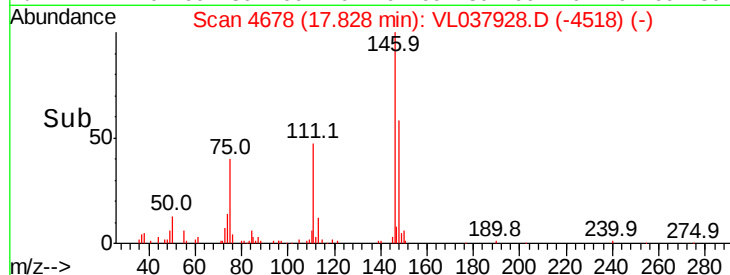
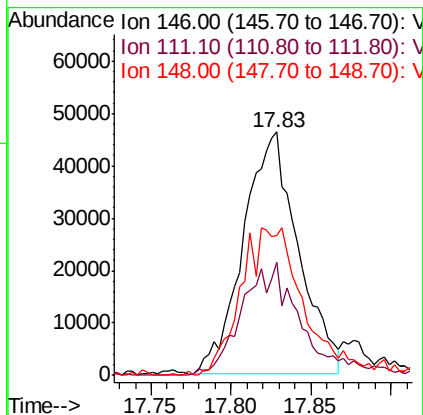
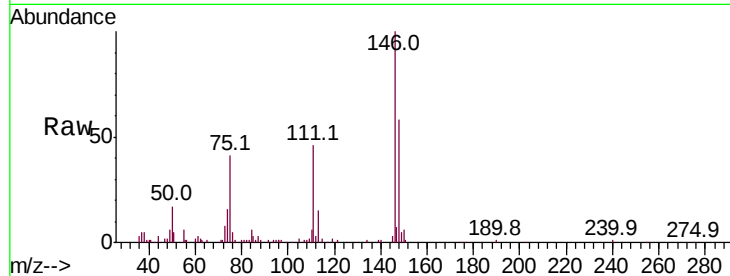
ClientSampleId: LOQ-AIR-02-QT4-2021

Acq: 27 Oct 2021 22:44

Tot Ion:1
Ion Rati
146 100
111 50.
148 70.

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



#78

Hexachloro-1,3-Butadiene

Concen: 0.561 ppbv

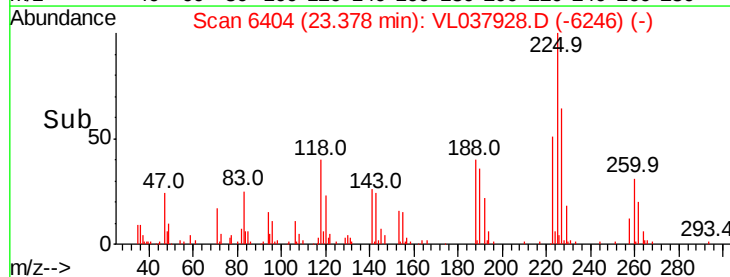
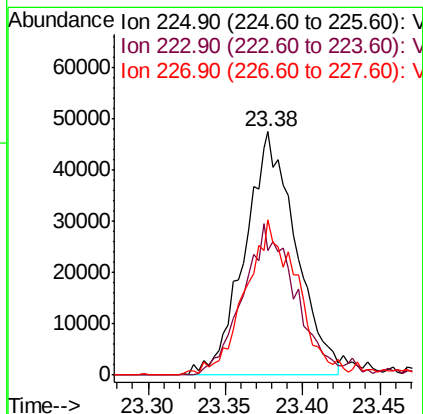
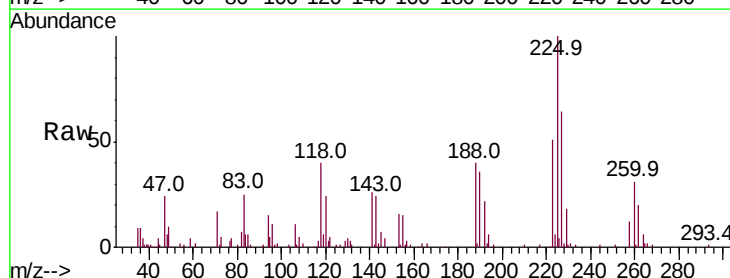
RT: 23.38 min Scan# 6404

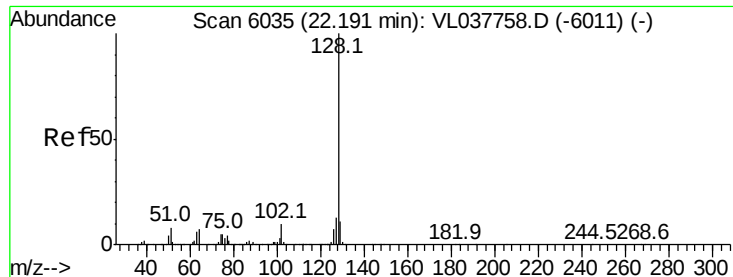
Delta R.T. 0.01 min

Lab File: VL037928.D

Acq: 27 Oct 2021 22:44

Tgt Ion:225 Resp: 109295
Ion Ratio Lower Upper
225 100
223 65.7 51.2 76.8
227 66.9 51.1 76.7



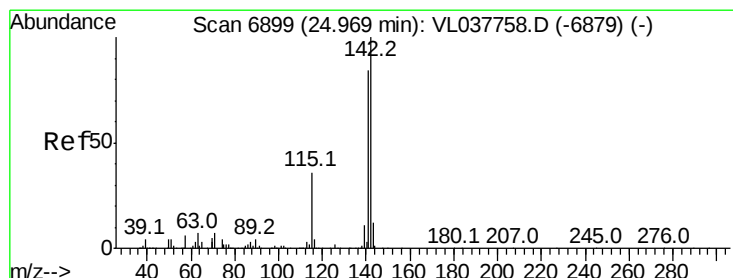
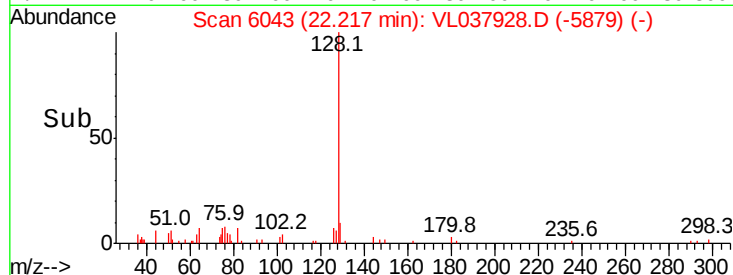
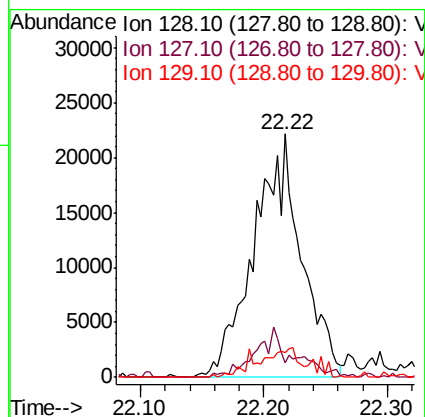
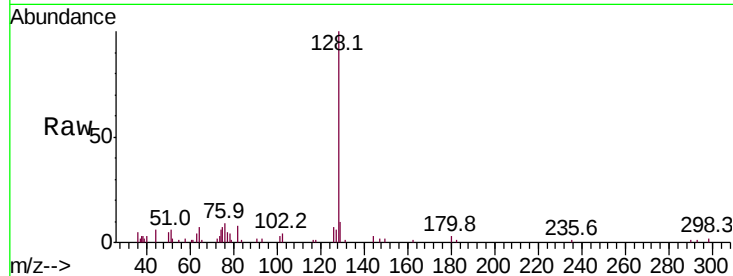


#79
Naphthalene
Concen: 0.241 ppbv m
RT: 22.22
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Oct 2021 22:44

Tot Ion:1
Ion Rati
128 100
127 5.
129 10.

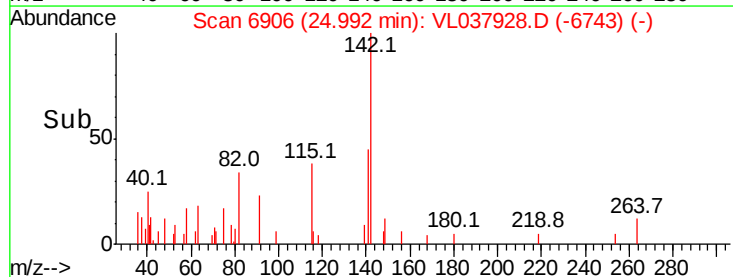
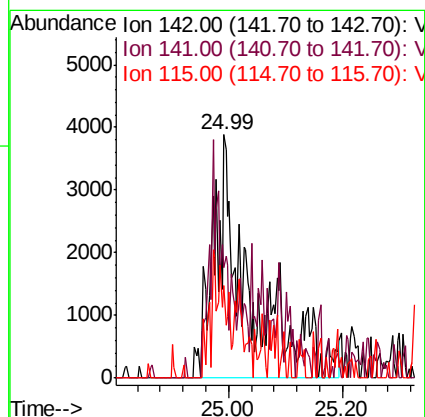
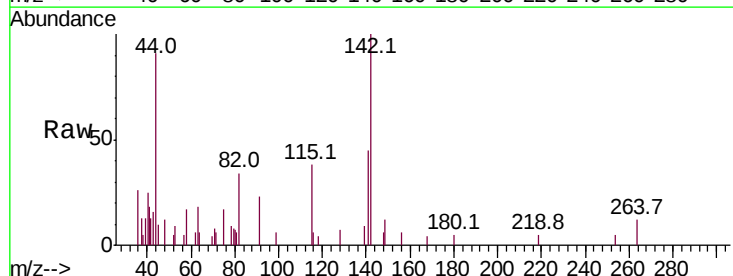
Manual Integrations
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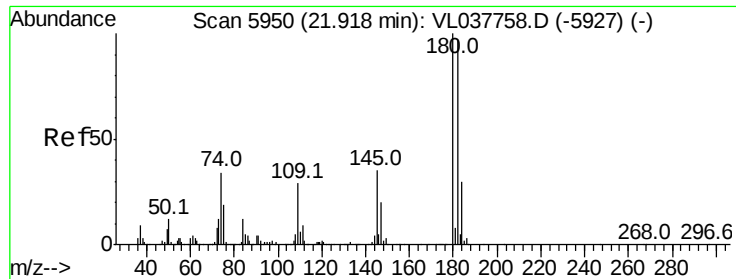
Reviewed By :Semsettin Yesilyurt 10/28/2021
Supervised By :Mahesh Dadoda 10/29/2021



#80
Naphthalene, 2-methyl-
Concen: 0.255 ppbv m
RT: 24.99 min Scan# 6906
Delta R.T. 0.02 min
Lab File: VL037928.D
Acq: 27 Oct 2021 22:44

Tgt Ion:142 Resp: 16785
Ion Ratio Lower Upper
142 100
141 47.0 68.6 102.8#
115 20.9 29.0 43.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.350 ppbv m
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Oct 2021 22:44

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

Manual Integrations
 APPROVED

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

