

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038065.D
 Acq On : 18 Nov 2021 22:26
 Operator : SY/AP
 Sample : M4704-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 17-TOTEN-STREET

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021

Quant Time: Nov 19 08:14:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	860263	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2432835	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2062644	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1576617	10.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	27907	0.196 ppbv	98
4) Chloromethane	3.15	50	32857	0.534 ppbv	94
9) Propene	3.02	41	328293	4.934 ppbv	99
10) Heptane	8.13	43	102158	0.621 ppbv	99
11) Trichlorofluoromethane	3.95	101	23418m	0.173 ppbv	
13) Ethanol	3.61	45	254143	39.527 ppbv	88
15) Acetone	3.85	43	17217438	230.840 ppbv #	80
17) tert-Butyl alcohol	4.29	59	284758	3.147 ppbv	97
19) Isopropyl Alcohol	3.97	45	238166	4.419 ppbv #	95
20) Methylene Chloride	4.35	84	254190	6.084 ppbv	96
26) Hexane	5.69	57	274270	2.296 ppbv #	41
27) Carbon Disulfide	4.56	76	136480	1.275 ppbv	97
30) Cyclohexane	7.13	84	17697	0.163 ppbv #	1
34) 2-Butanone	5.24	43	1194547	12.177 ppbv	98
35) Carbon Tetrachloride	7.02	117	6663m	0.039 ppbv	
36) Benzene	6.89	78	137123	0.565 ppbv	92
38) Trichloroethene	7.83	130	3209m	0.035 ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	198581	0.489 ppbv	92
50) 4-Methyl-2-Pentanone	8.75	43	29567	0.198 ppbv	96
51) 2-Hexanone	10.13	43	207895	2.966 ppbv #	97
52) Tetrachloroethene	11.22	164	2795m	0.031 ppbv	
53) Toluene	9.80	91	1316766	4.716 ppbv	99
58) Ethyl Benzene	12.70	91	310635	0.911 ppbv	97
59) m/p-Xylene	12.96	91	774213	2.698 ppbv	97
60) o-Xylene	13.68	91	267650	1.005 ppbv	100
64) n-propylbenzene	15.55	120	20101m	0.209 ppbv	
72) 4-Ethyltoluene	15.83	105	100355	0.325 ppbv #	93
73) 1,3,5-Trimethylbenzene	15.99	105	61820m	0.219 ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	237694	0.818 ppbv #	69

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

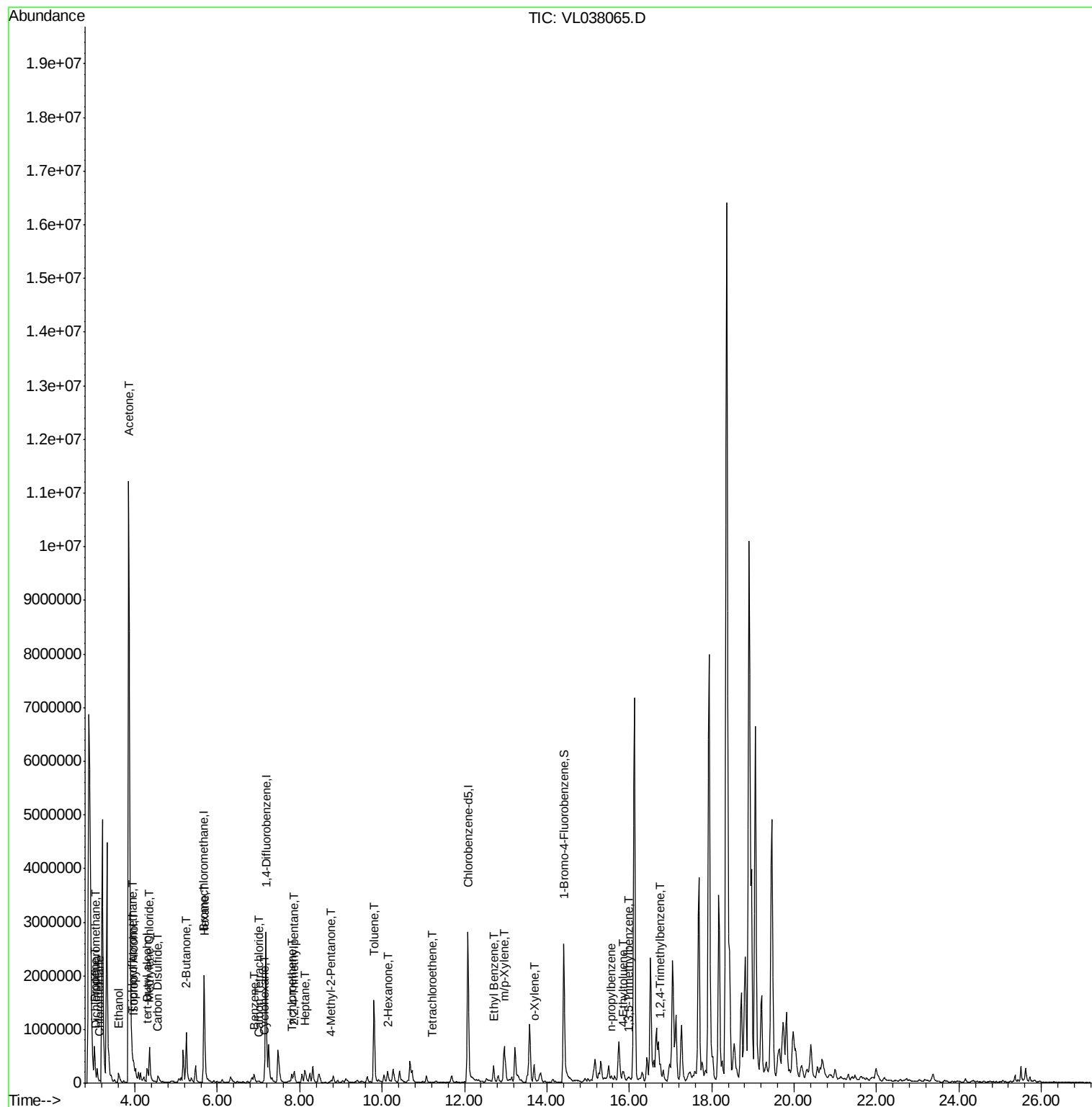
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
Data File : VL038065.D
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ALS Vial : 1 Sample Multiplier: 1

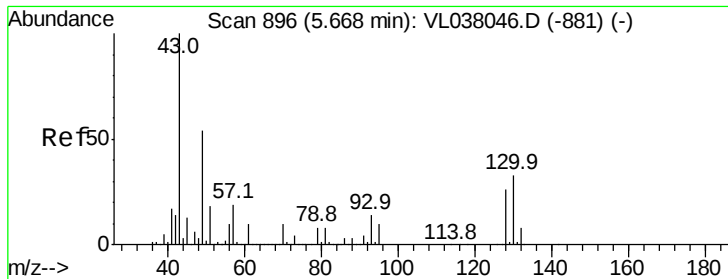
Instrument :
MSVOA_L
ClientSampleId :
17-TOTEN-STREET

Quant Time: Nov 19 08:14:01 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
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Supervised By :Mahesh Dadoda 11/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 22:20

Tot Ion:

Ion Ratio

49 100

128 50.

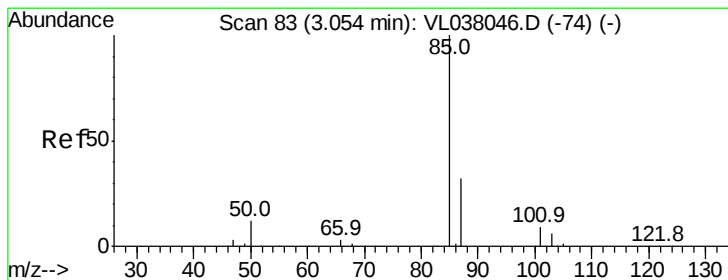
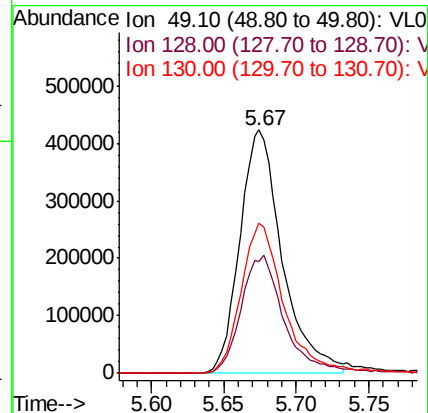
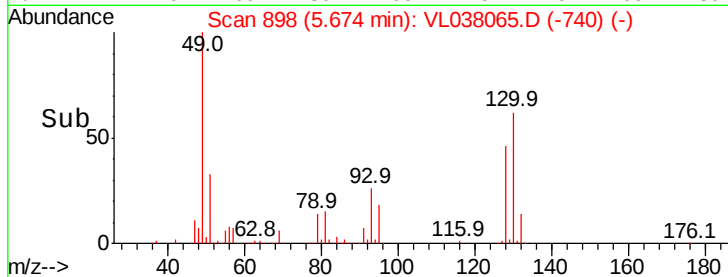
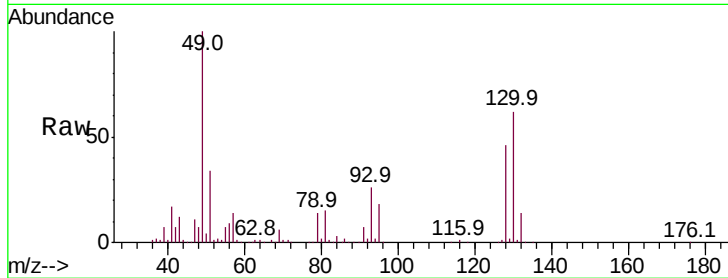
130 62.

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Supervised By :Mahesh Dadoda 11/29/2021



#2

Dichlorodifluoromethane

Concen: 0.196 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL038065.D

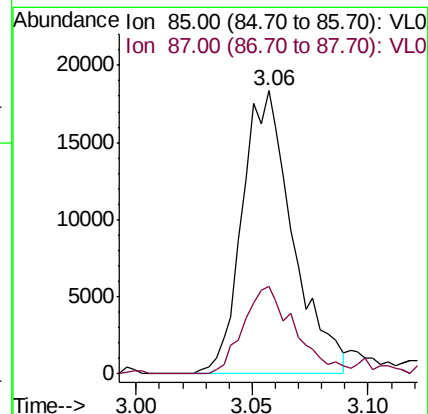
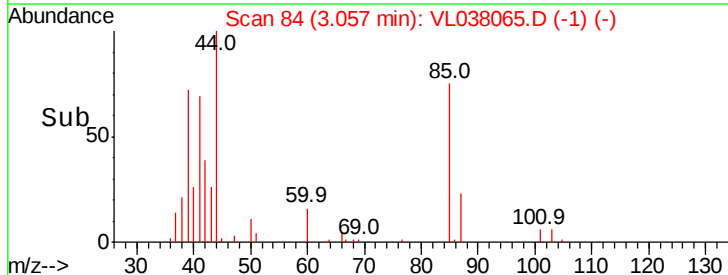
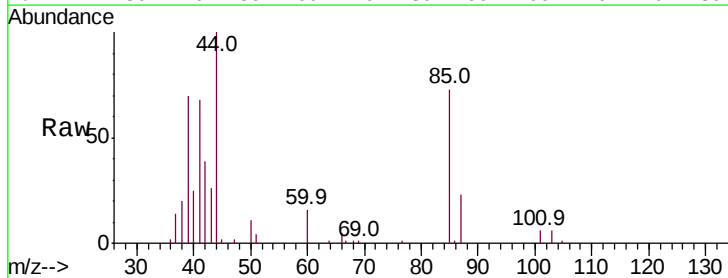
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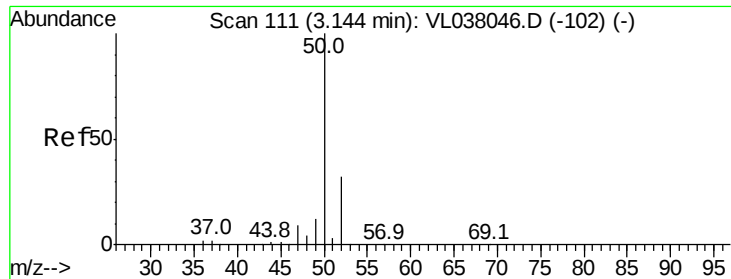
Tgt Ion: 85 Resp: 27907

Ion Ratio Lower Upper

85 100

87 31.0 25.8 38.6





#4

Chloromethane

Concen: 0.534 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 22:20 17-TOTEN-STREET

Tot Ion:

Ion Ratio

50 100

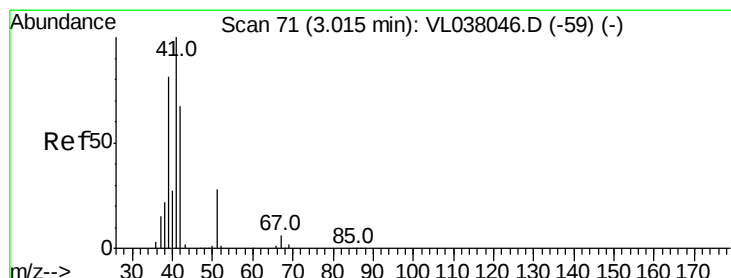
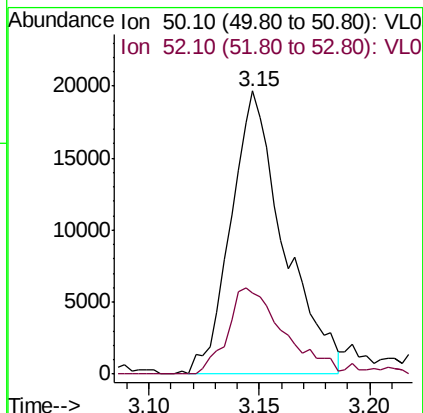
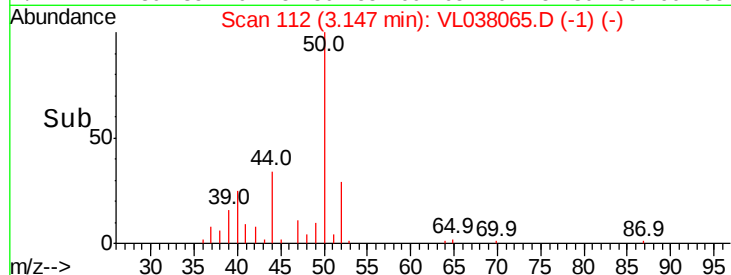
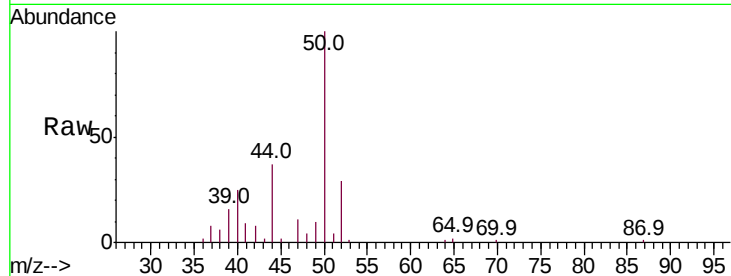
52 28.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

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#9

Propene

Concen: 4.934 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL038065.D

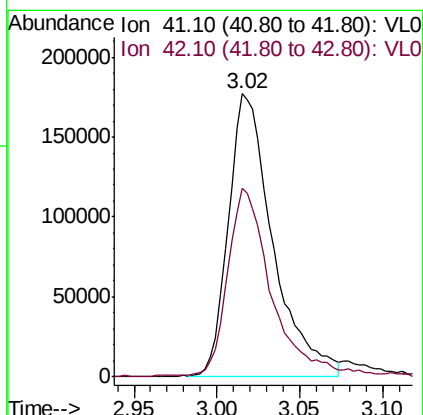
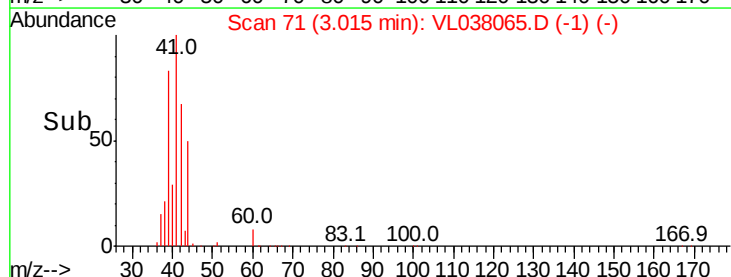
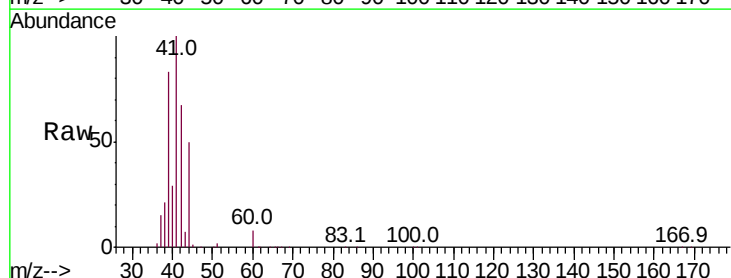
Acq: 18 Nov 2021 22:26

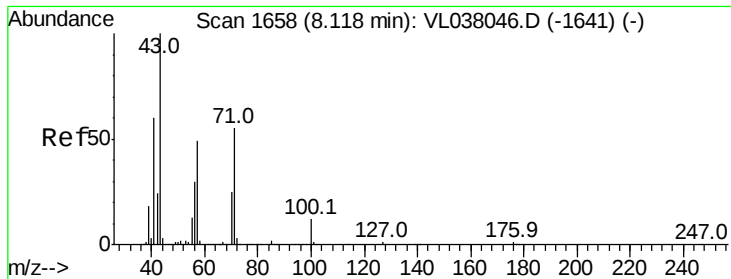
Tgt Ion: 41 Resp: 328293

Ion Ratio Lower Upper

41 100

42 68.5 53.8 80.8



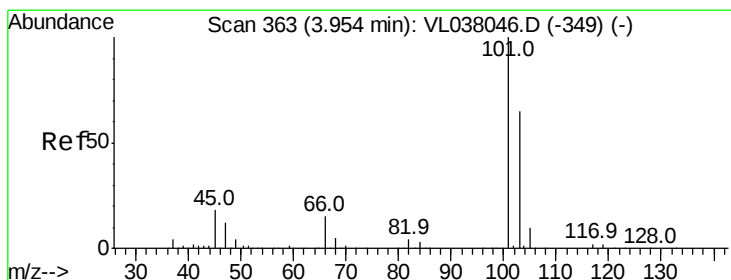
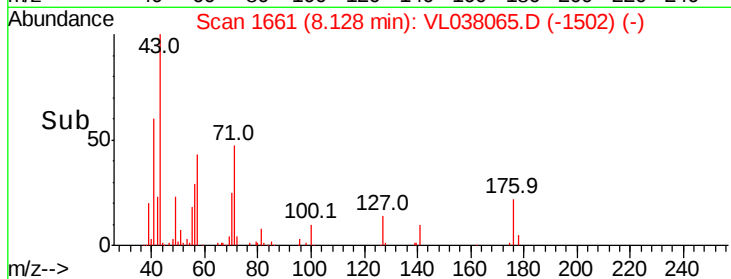
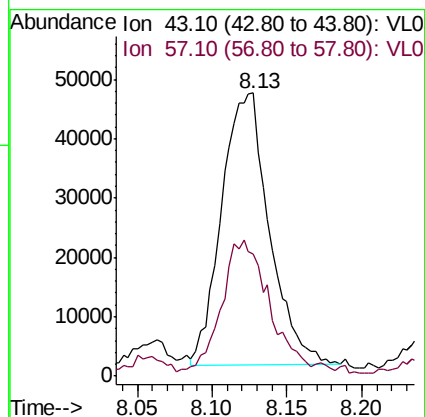
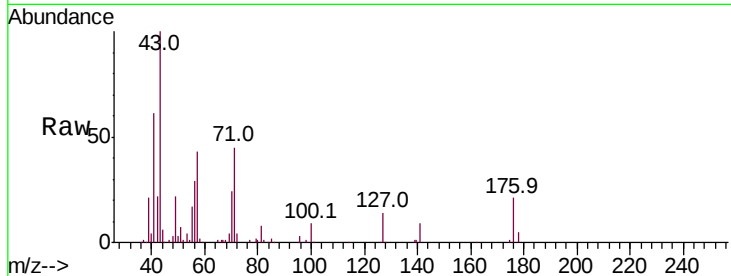


#10
Heptane
Concen: 0.621 ppbv
RT: 8.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 18 Nov 2021 22:20

Tot Ion:
Ion Ratio
43 100
57 50.

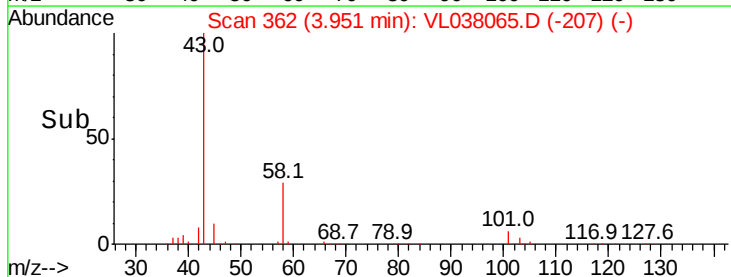
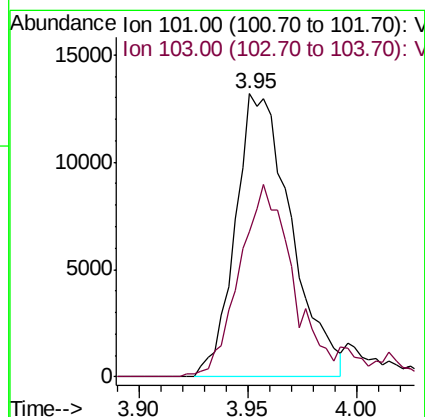
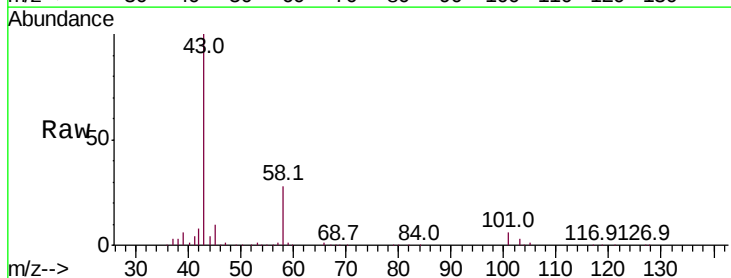
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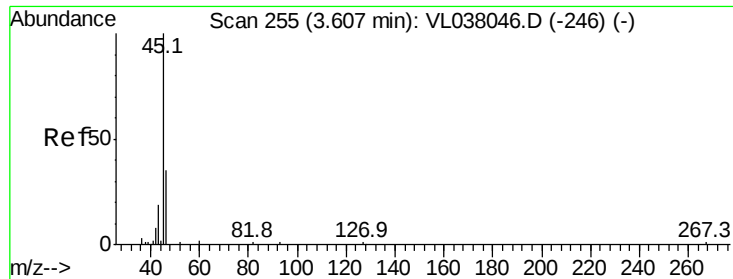
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#11
Trichlorofluoromethane
Concen: 0.173 ppbv m
RT: 3.95 min Scan# 362
Delta R.T. -0.00 min
Lab File: VL038065.D
Acq: 18 Nov 2021 22:26

Tgt Ion:101 Resp: 23418
Ion Ratio Lower Upper
101 100
103 51.1 51.8 77.6#



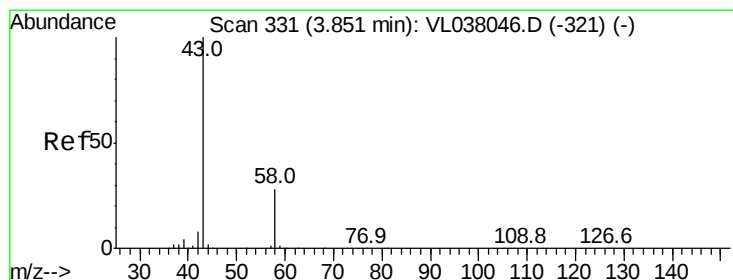
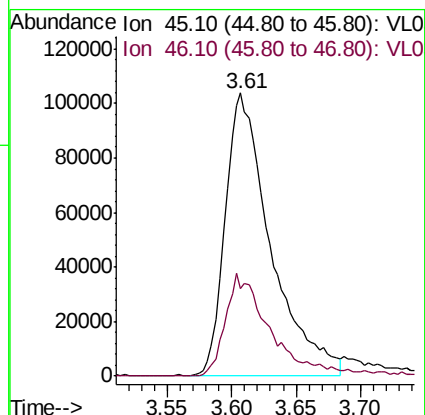
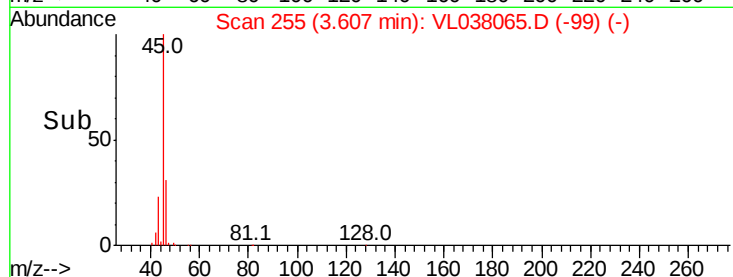
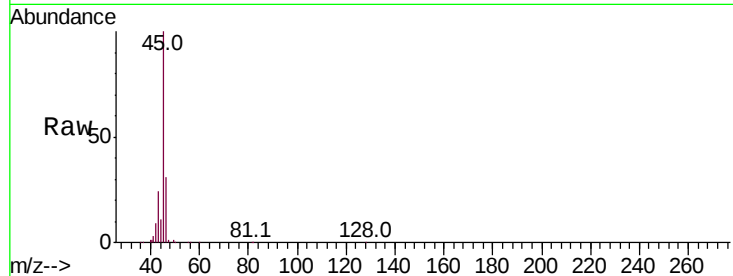


#13
Ethanol
Concen: 39.527 ppbv
RT: 3.61
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 18 Nov 2021 22:20

Tot Ion:
Ion Ratio
45 100
46 36.

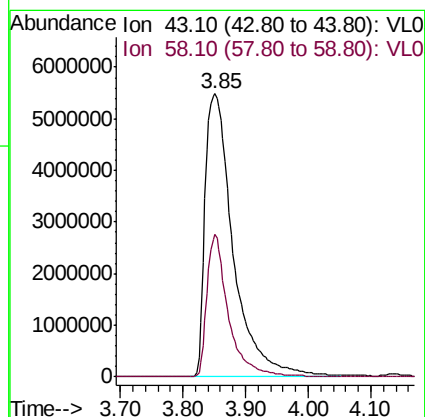
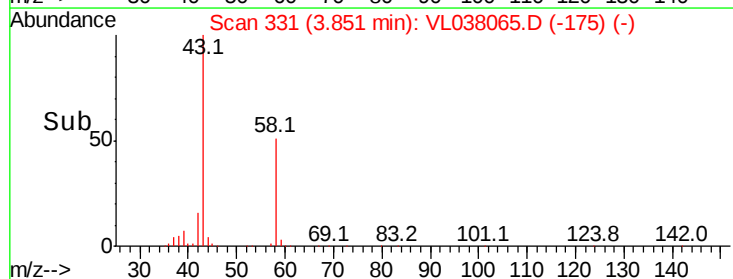
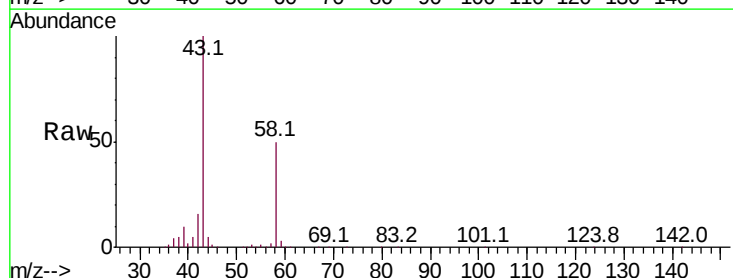
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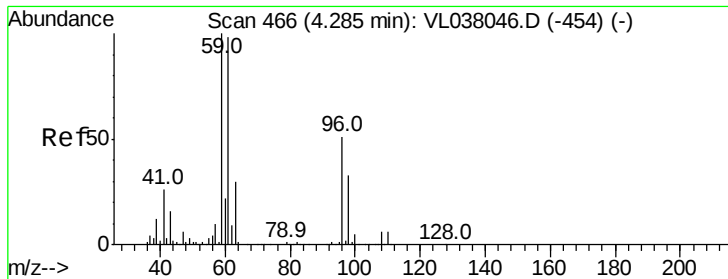
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#15
Acetone
Concen: 230.840 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL038065.D
Acq: 18 Nov 2021 22:26

Tgt Ion: 43 Resp:17217438
Ion Ratio Lower Upper
43 100
58 38.7 22.4 33.6#





#17

tert-Butyl alcohol

Concen: 3.147 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: 17-TOTEN-STREET

Acq: 18 Nov 2021 22:20

Tot Ion:

Ion Ratio

59 100

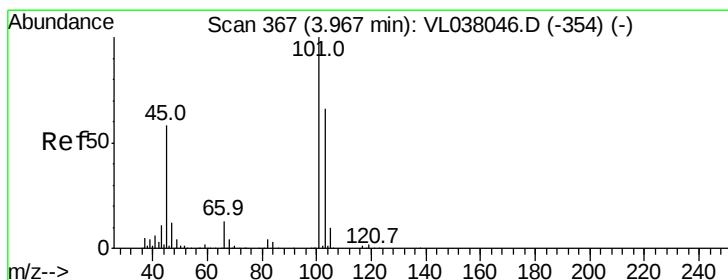
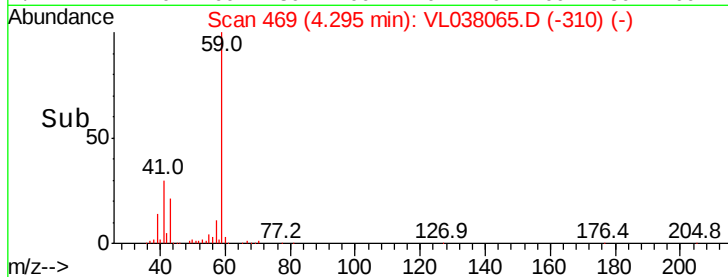
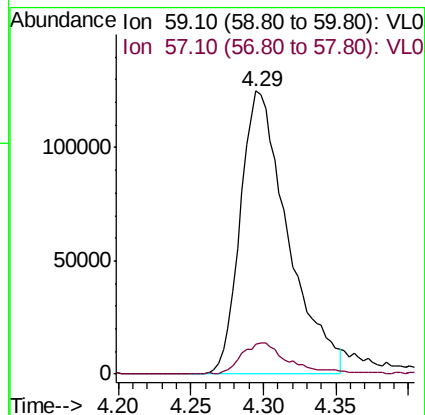
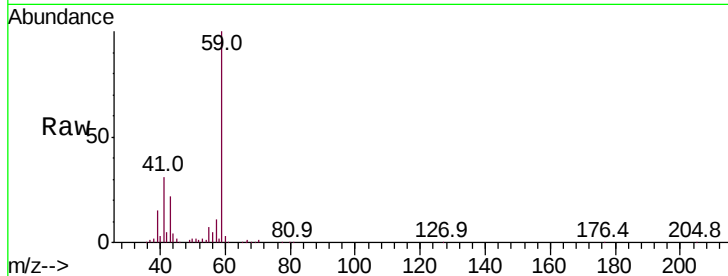
57 11.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#19

Isopropyl Alcohol

Concen: 4.419 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.00 min

Lab File: VL038065.D

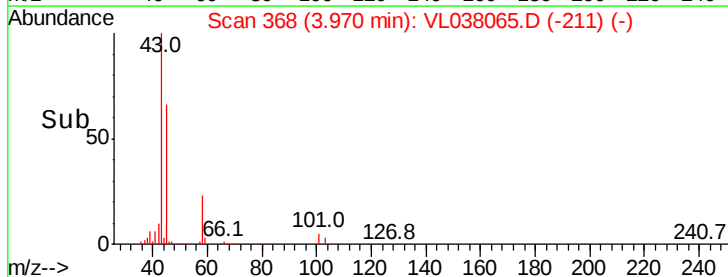
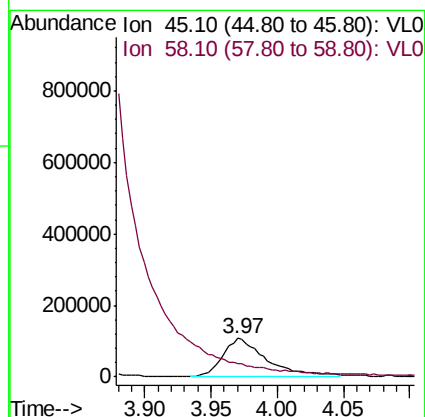
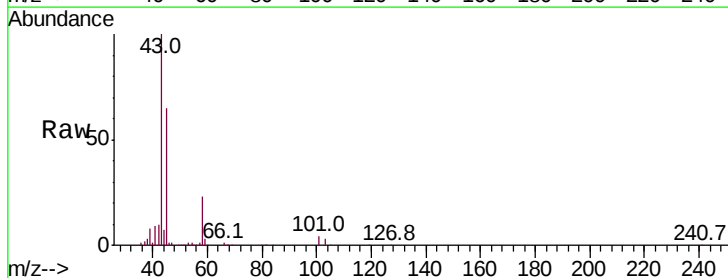
Acq: 18 Nov 2021 22:26

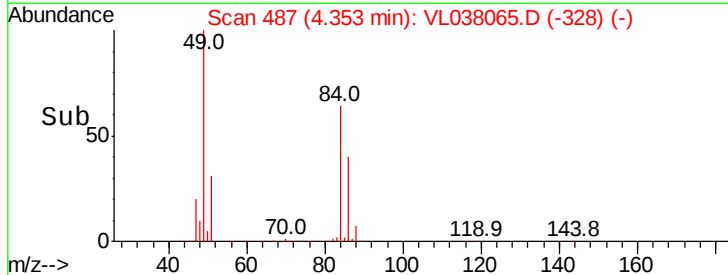
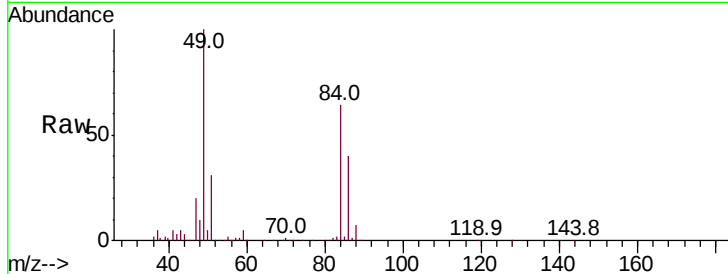
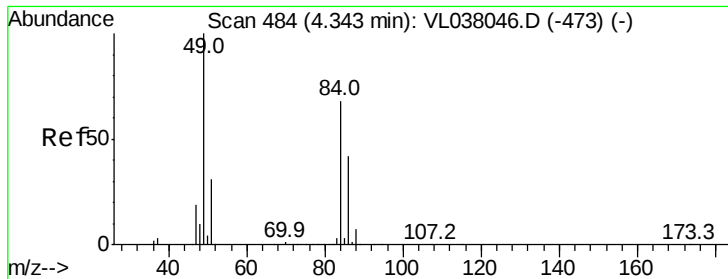
Tgt Ion: 45 Resp: 238166

Ion Ratio Lower Upper

45 100

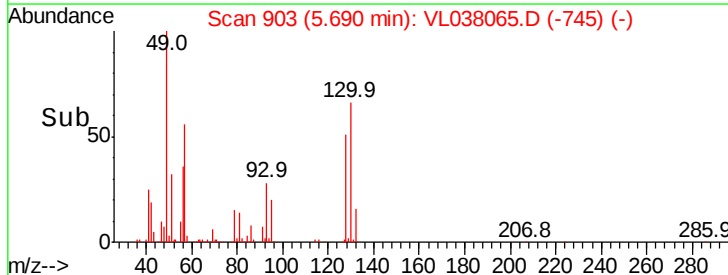
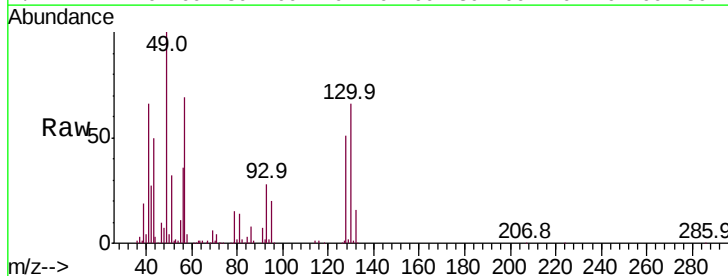
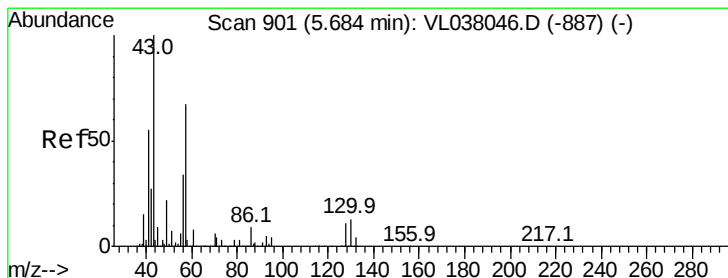
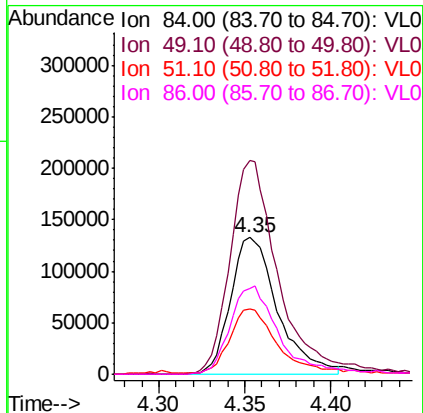
58 0.0 1.4 2.0#





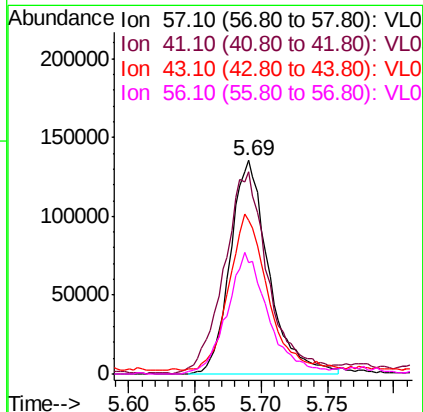
#20
Methvlene Chloride
Concen: 6.084 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 22:20
Manual Integrations
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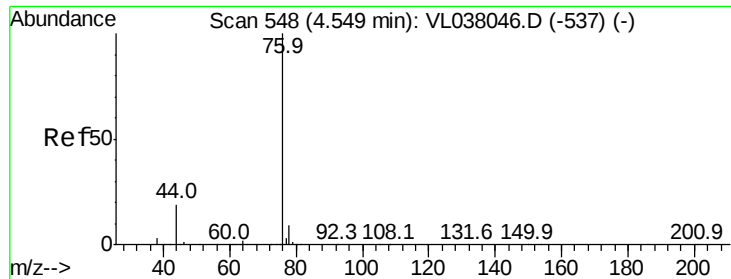
Tot Ion:	Ion	Ratio	Abundance
84	100		
49	155.		
51	46.		
86	62.2	49.0	73.6



#26
Hexane
Concen: 2.296 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL038065.D
Acq: 18 Nov 2021 22:26

Tgt Ion:	Ion	Ratio	Resp:	Lower	Upper
57	100		274270		
41	113.6	71.4		107.2#	
43	82.3	174.6		261.8#	
56	60.6	43.2		64.8	



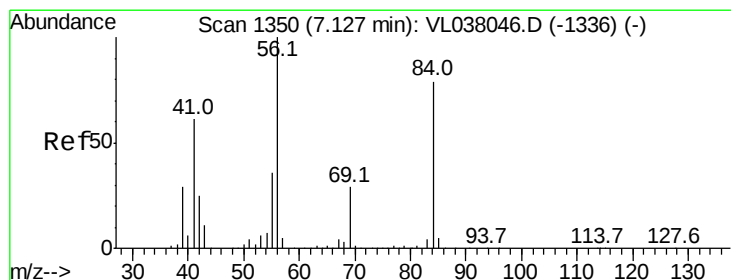
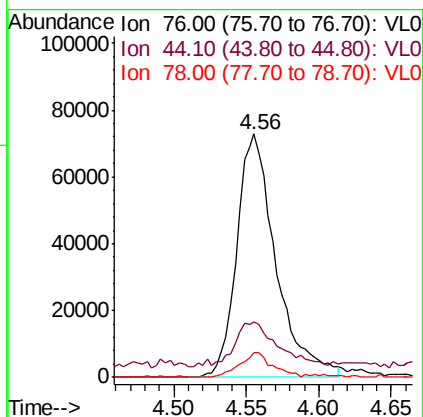
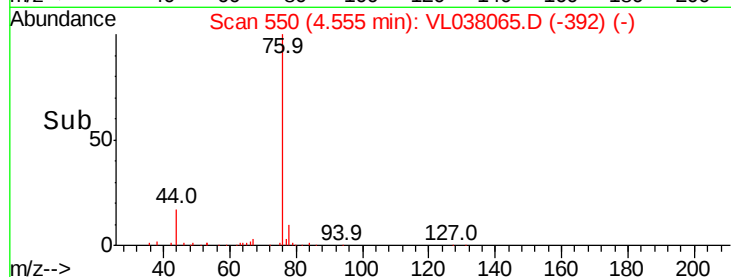
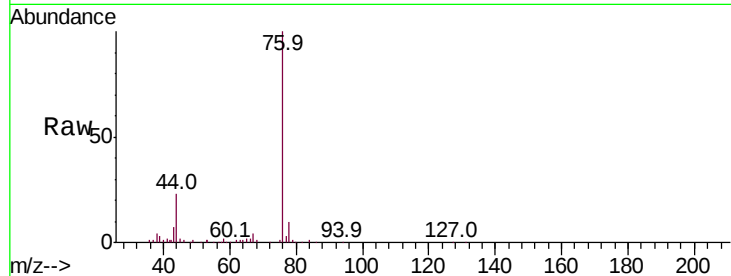


#27
Carbon Disulfide
Concen: 1.275 ppbv
RT: 4.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 22:20

Tot Ion:
Ion Ratio
76 100
44 20.
78 9.

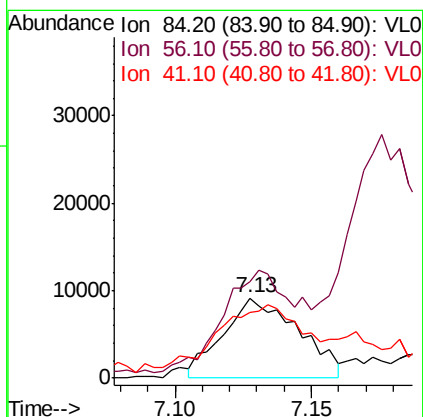
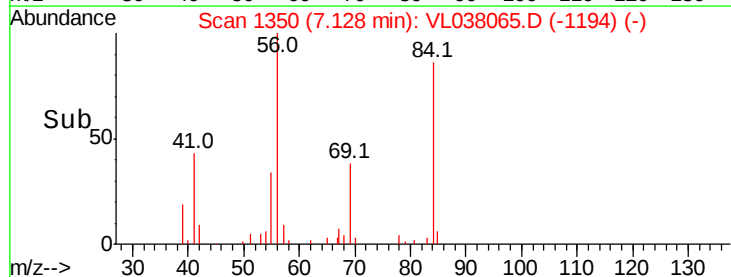
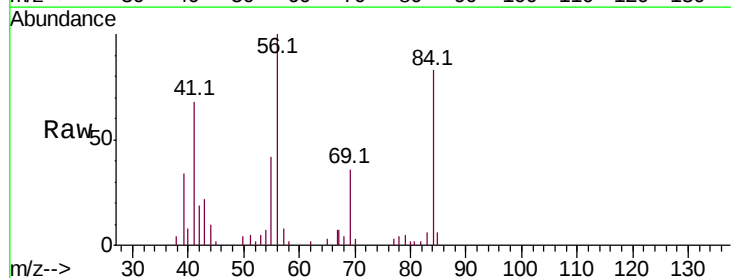
Manual Integrations
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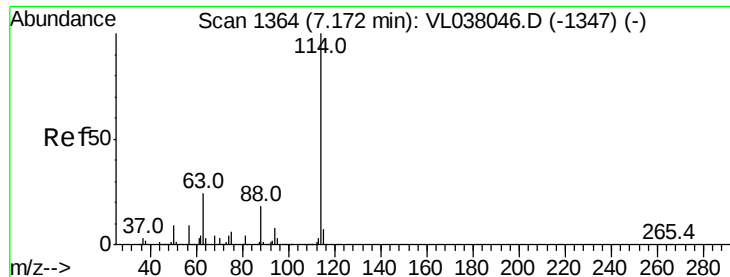
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#30
Cyclohexane
Concen: 0.163 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL038065.D
Acq: 18 Nov 2021 22:26

Tgt Ion: 84 Resp: 17697
Ion Ratio Lower Upper
84 100
56 0.0 108.1 162.1#
41 148.6 64.4 96.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18

Instrument: MSVOA_L

Delta R.T.:

ClientSampleId:

Lab File: 17-TOTEN-STREET

Acq: 18 Nov 2021 22:20

Tot Ion:1

Ion Rati

114 100

63 24.

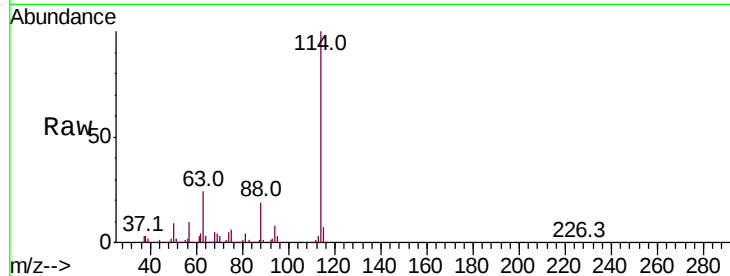
88 18.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

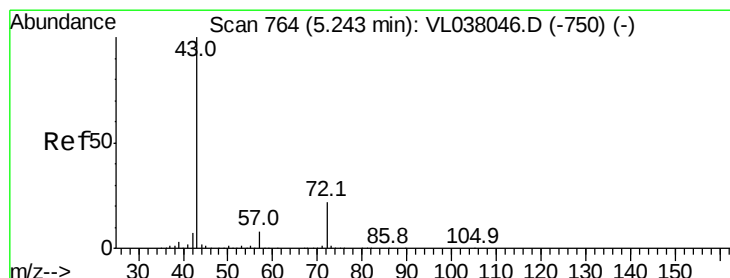
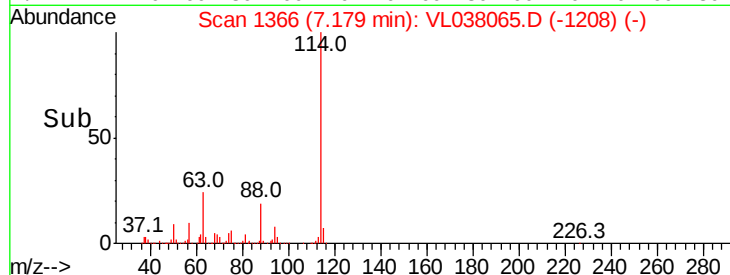
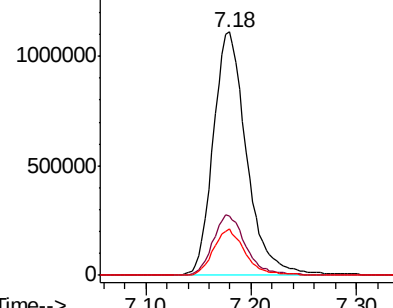
Supervised By :Mahesh Dadoda 11/29/2021



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 12.177 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL038065.D

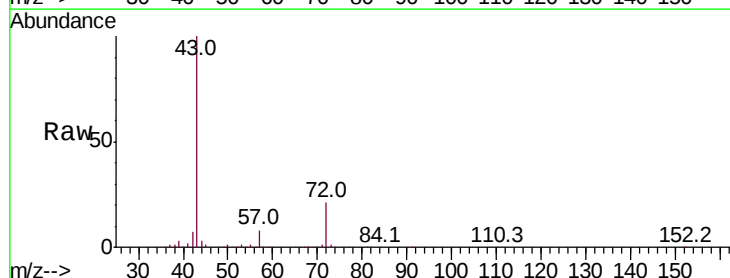
Acq: 18 Nov 2021 22:26

Tgt Ion: 43 Resp: 1194547

Ion Ratio Lower Upper

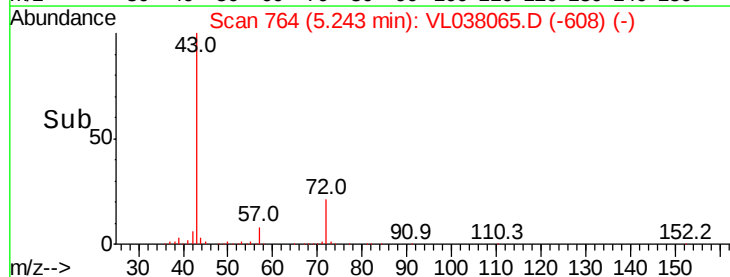
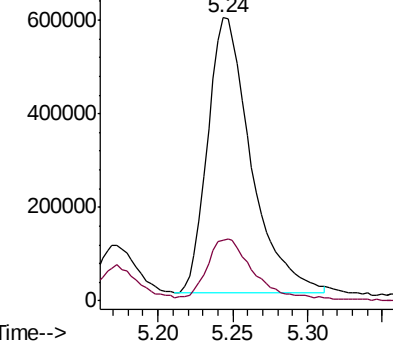
43 100

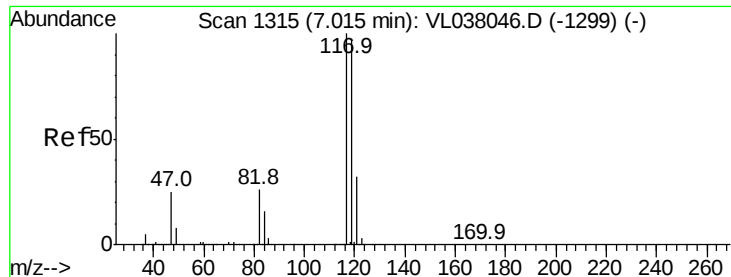
72 24.5 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.039 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 22:20 17-TOTEN-STREET

Tot Ion:1

Ion Rati

117 100

119 71.

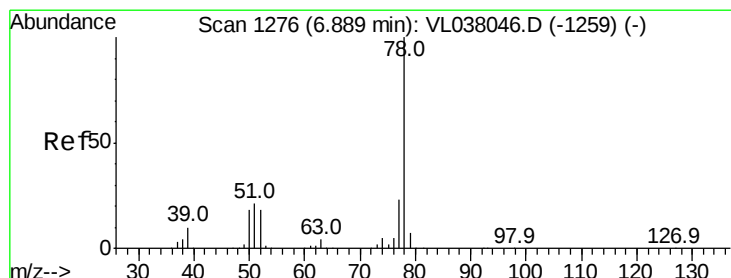
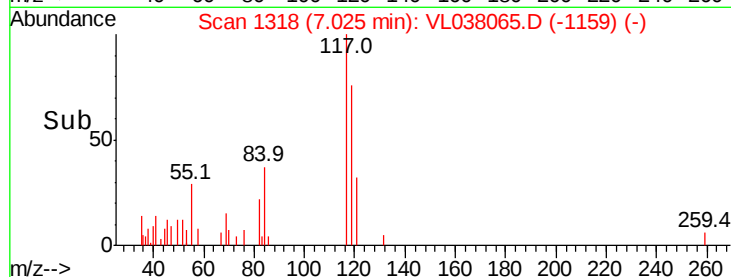
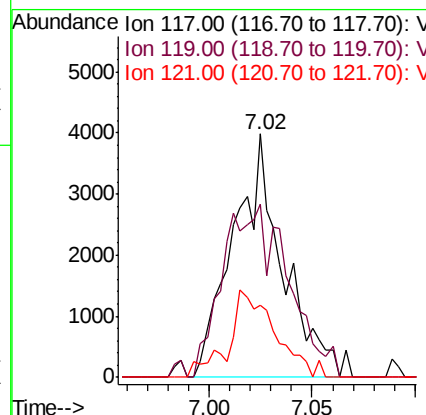
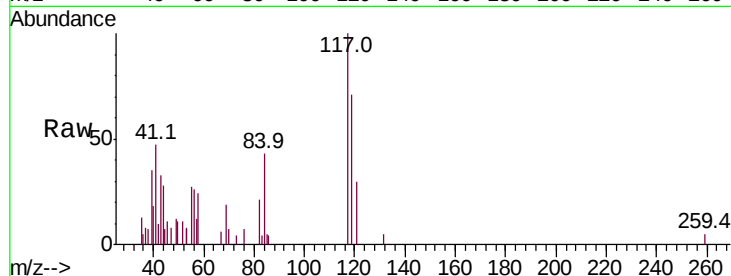
121 29.

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APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#36

Benzene

Concen: 0.565 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL038065.D

Acq: 18 Nov 2021 22:26

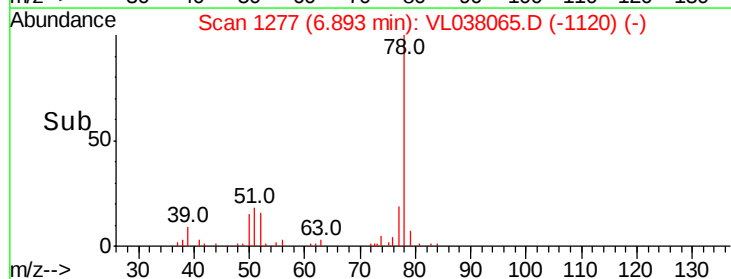
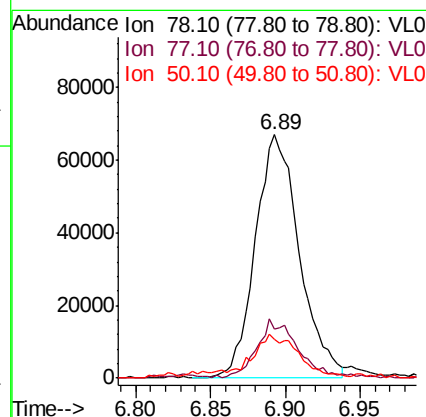
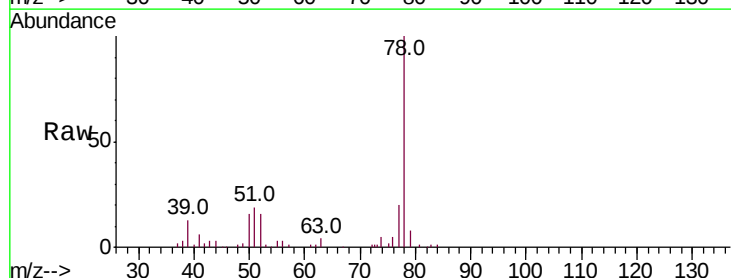
Tgt Ion: 78 Resp: 137123

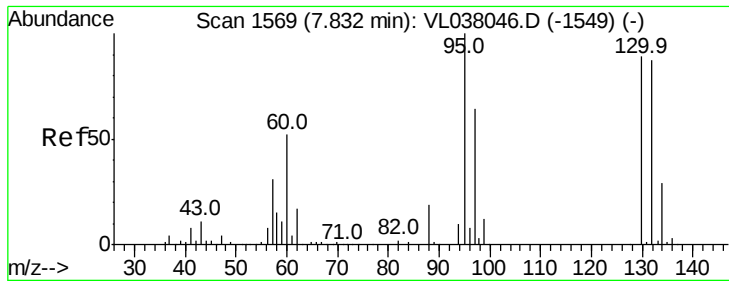
Ion Ratio Lower Upper

78 100

77 19.1 18.2 27.4

50 14.8 14.7 22.1





#38

Trichloroethene

Concen: 0.035 ppbv m

RT: 7.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 22:20

Tot Ion:1

Ion Rati

130 100

95 91.

132 67.

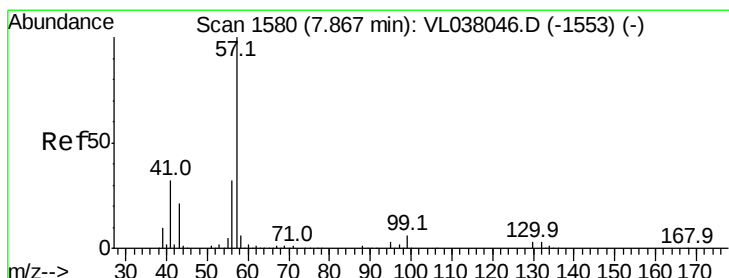
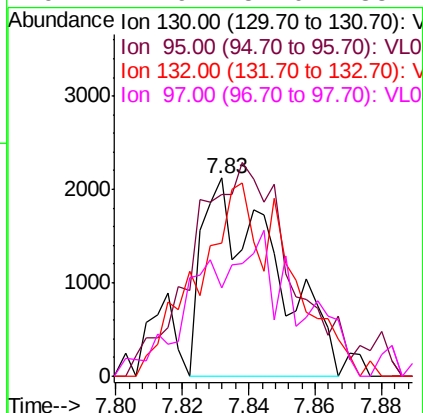
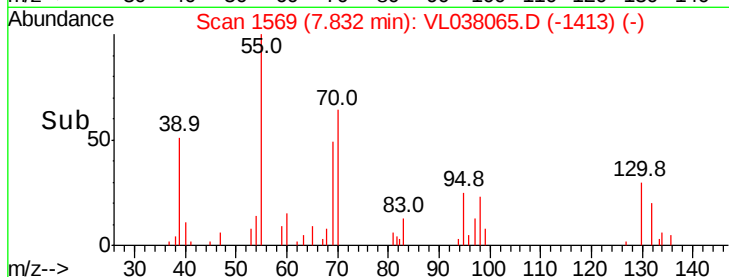
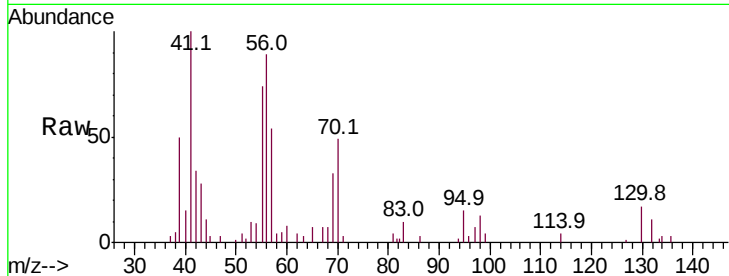
97 44.9 57.0 85.4#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#44

2,2,4-Trimethylpentane

Concen: 0.489 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VL038065.D

Acq: 18 Nov 2021 22:26

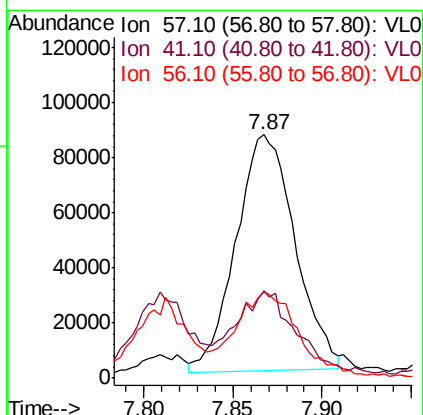
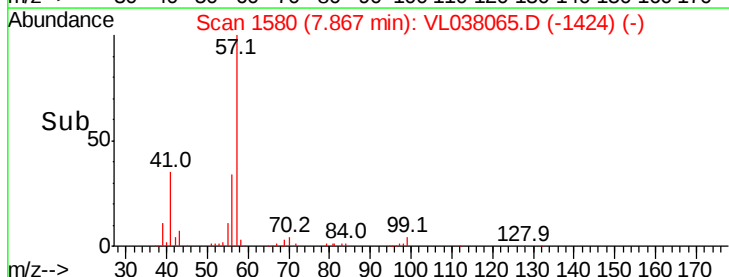
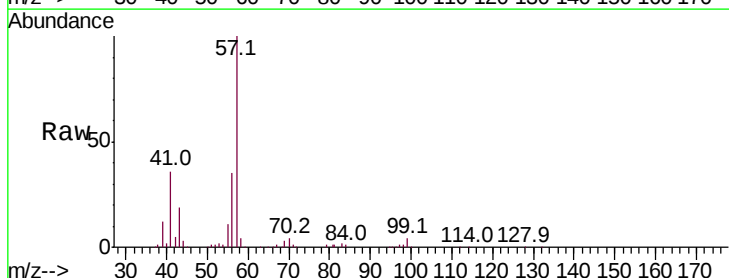
Tgt Ion: 57 Resp: 198581

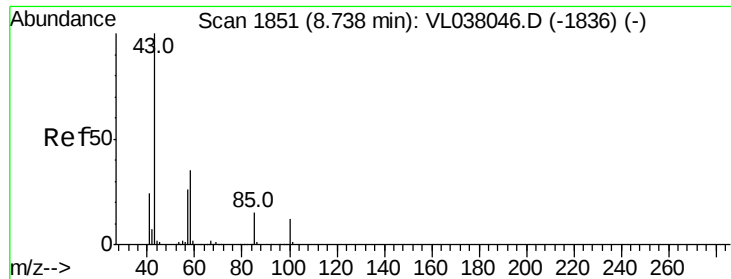
Ion Ratio Lower Upper

57 100

41 34.8 25.8 38.6

56 37.9 25.6 38.4

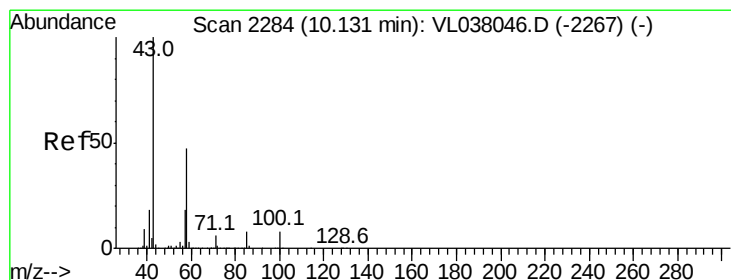
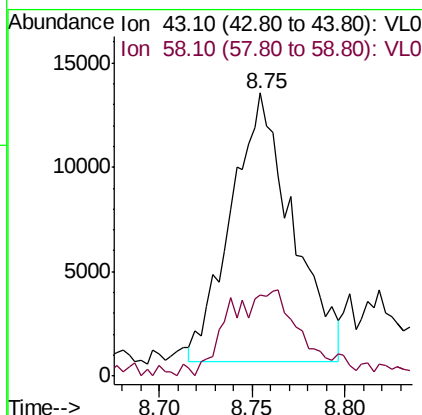
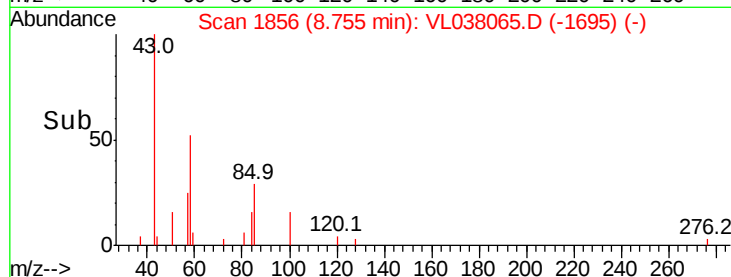
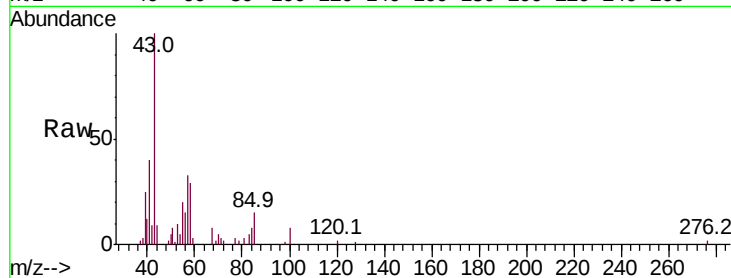




#50
4-Methyl-2-pentanone
Concen: 0.198 ppbv
RT: 8.75 min
Delta R.T.: 0.00 min
Lab File: VL038065.D
Acq: 18 Nov 2021 22:26

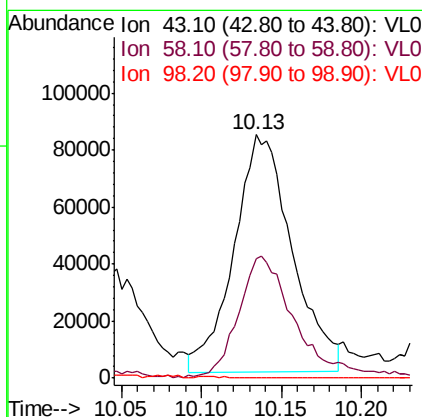
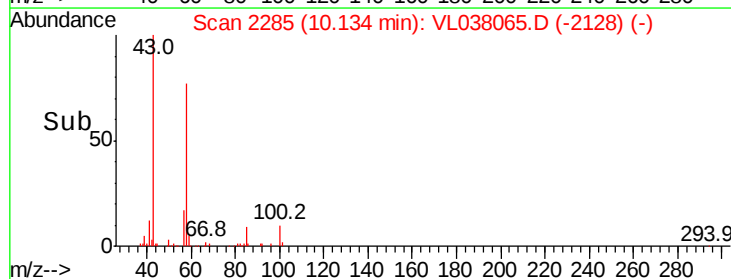
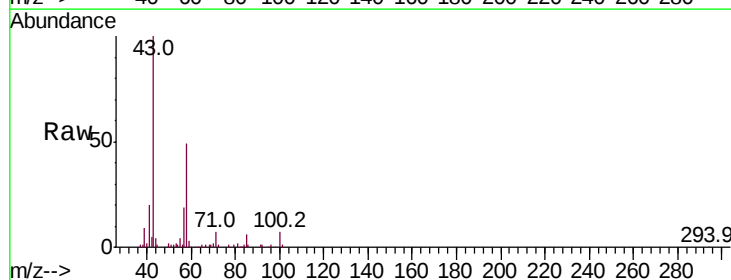
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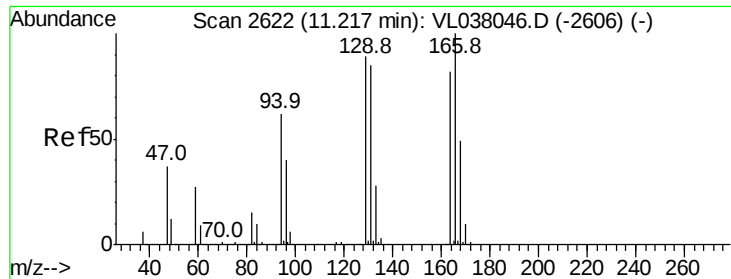
Reviewed By : Semsettin Yesilyurt 11/25/2021
Supervised By : Mahesh Dadoda 11/29/2021



#51
2-Hexanone
Concen: 2.966 ppbv
RT: 10.13 min Scan# 2285
Delta R.T.: 0.00 min
Lab File: VL038065.D
Acq: 18 Nov 2021 22:26

Tgt Ion: 43 Resp: 207895
Ion Ratio Lower Upper
43 100
58 49.6 41.1 61.7
98 0.4 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.031 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 22:20

Tot Ion:1

Ion Rati

164 100

166 69.

129 67.

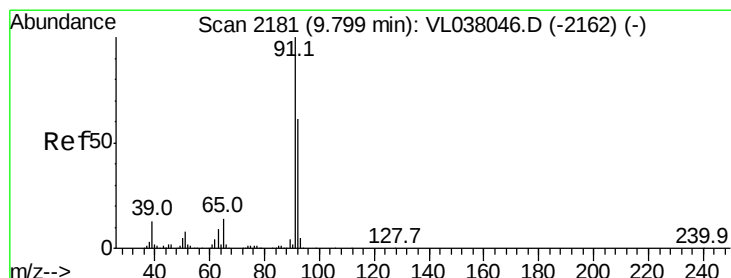
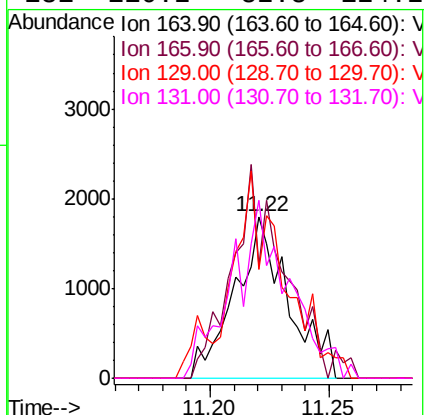
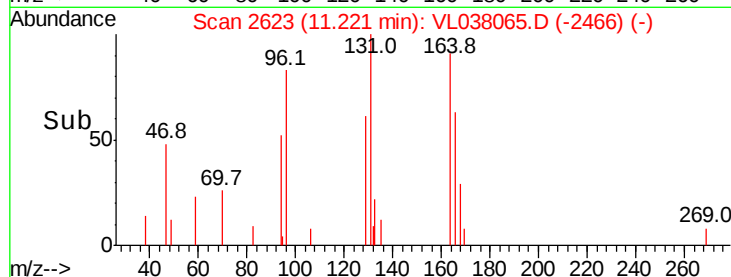
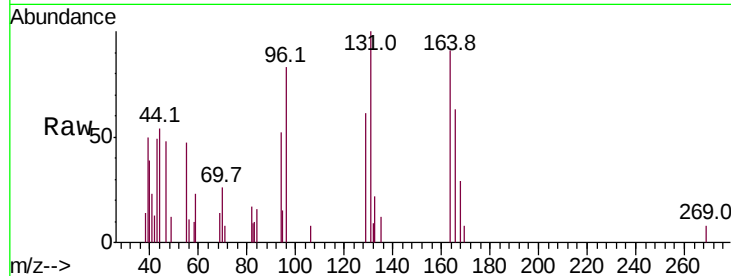
131 110.2 82.8 124.2

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#53

Toluene

Concen: 4.716 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL038065.D

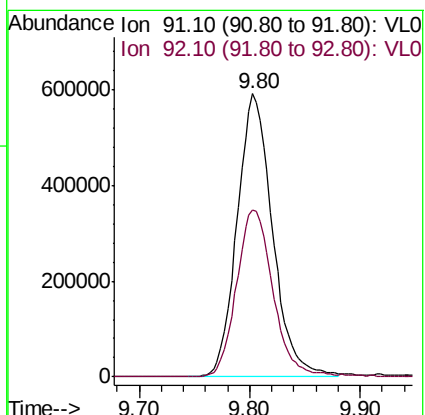
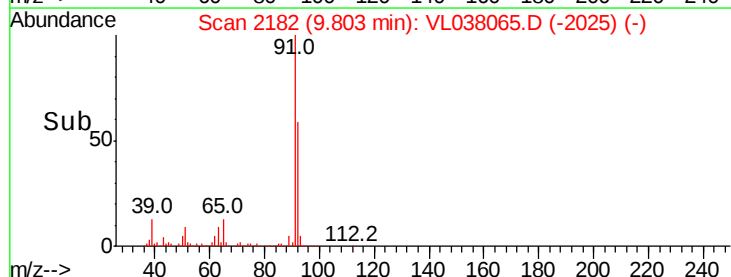
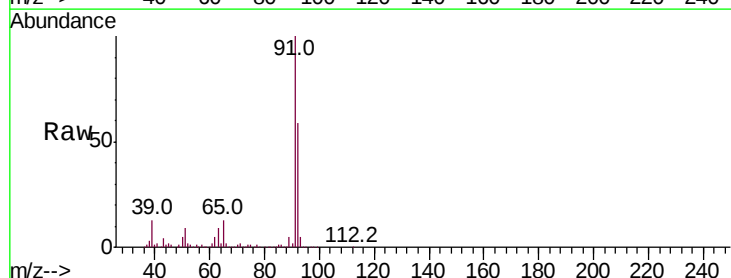
Acq: 18 Nov 2021 22:26

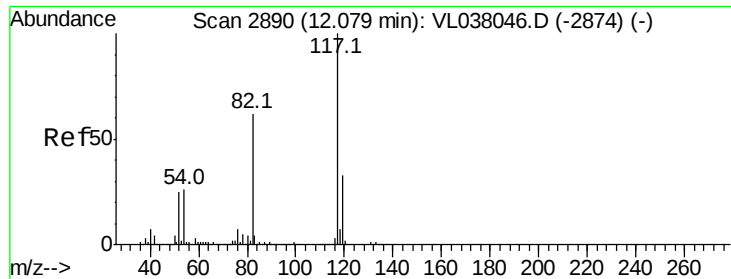
Tgt Ion: 91 Resp: 1316766

Ion Ratio Lower Upper

91 100

92 61.2 49.7 74.5



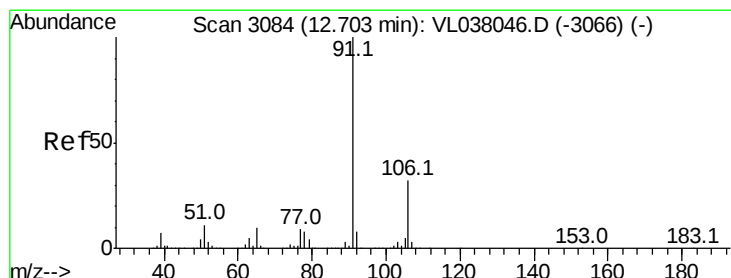
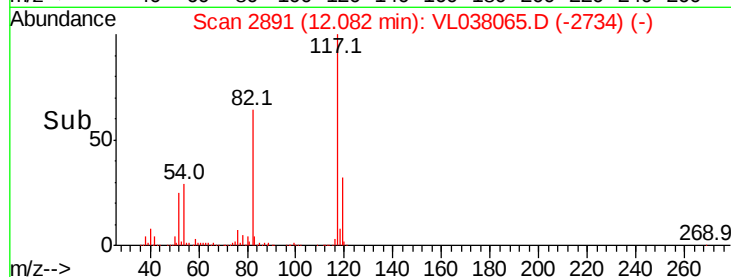
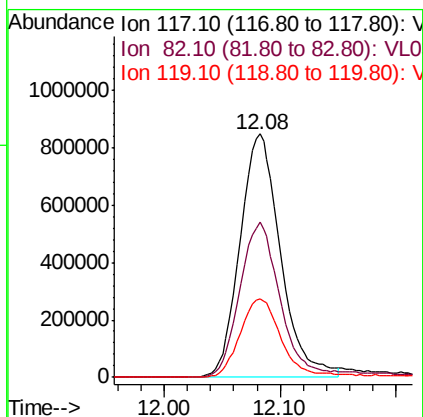
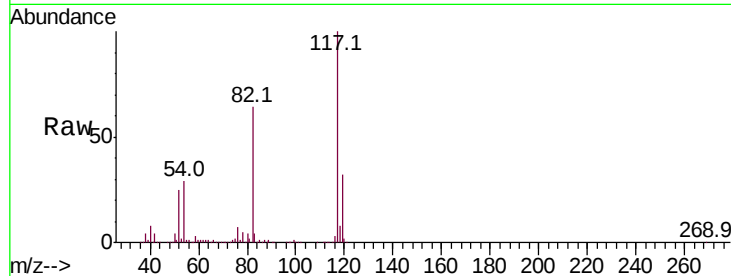


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Nov 2021 22:20

Tot Ion:1
Ion Rati
117 100
82 68.
119 34.

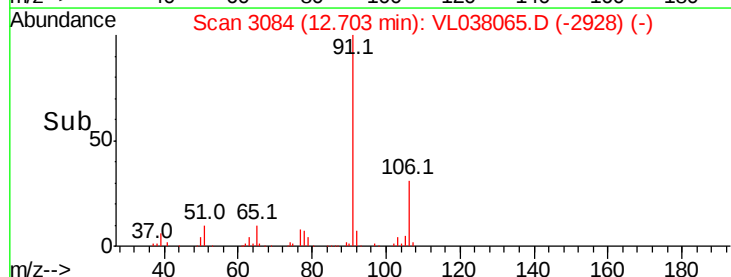
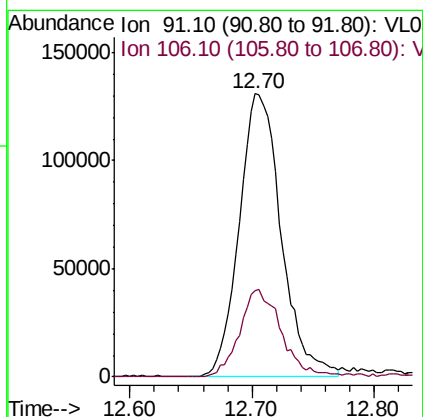
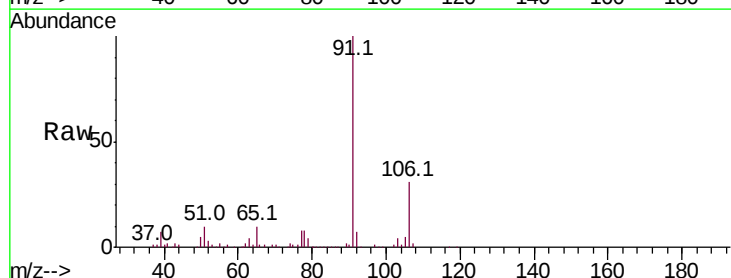
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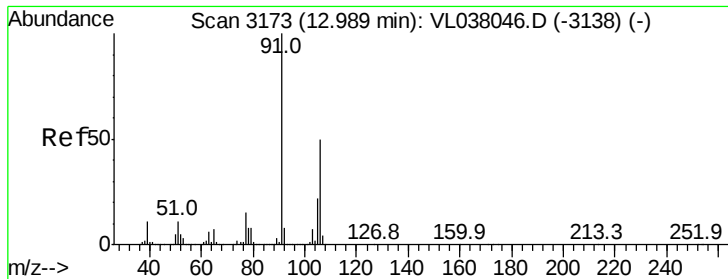
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#58
Ethyl Benzene
Concen: 0.911 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL038065.D
Acq: 18 Nov 2021 22:26

Tgt Ion: 91 Resp: 310635
Ion Ratio Lower Upper
91 100
106 30.7 25.8 38.6



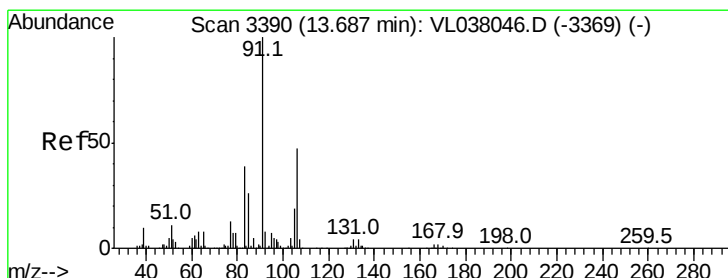
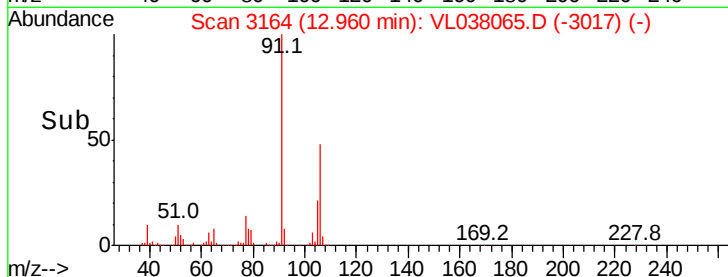
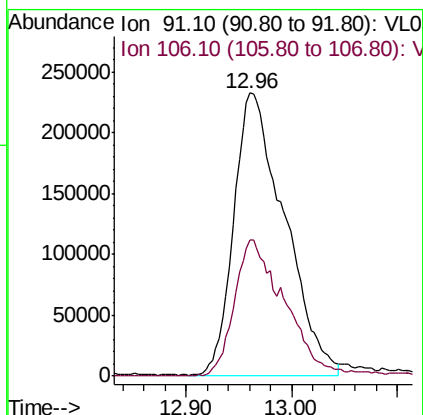
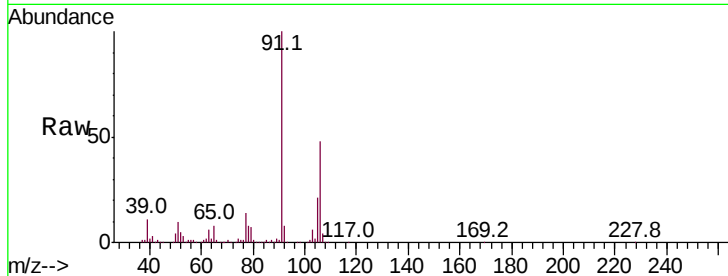


#59
m/p-Xylene
Concen: 2.698 ppbv
RT: 12.96
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Nov 2021 22:20

Tot Ion:
Ion Ratio
91 100
106 49.

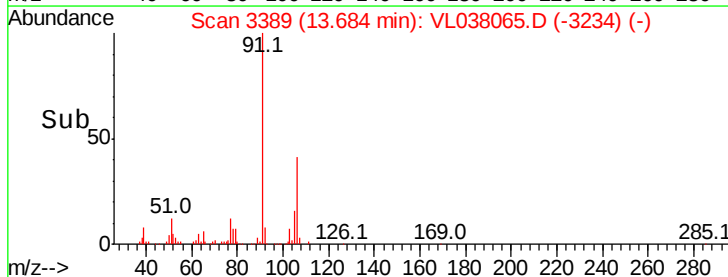
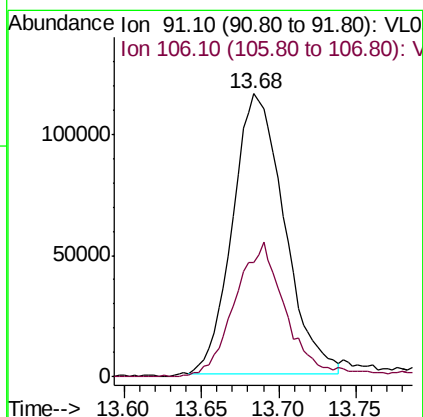
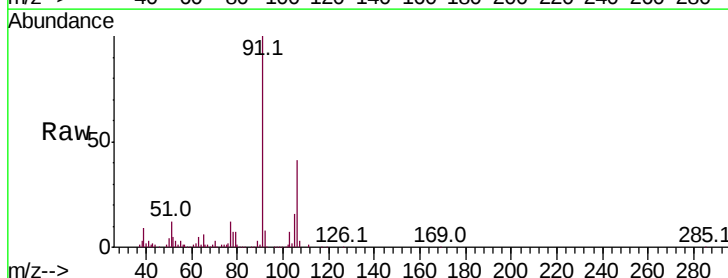
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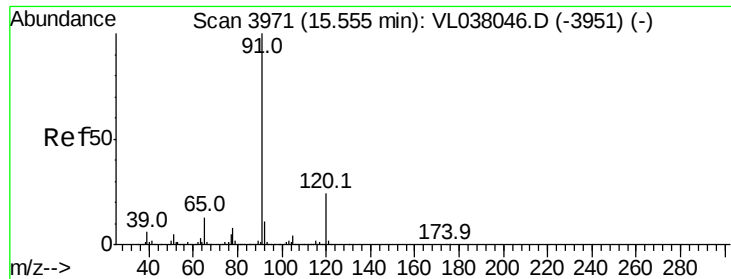
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#60
o-Xylene
Concen: 1.005 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL038065.D
Acq: 18 Nov 2021 22:26

Tgt Ion: 91 Resp: 267650
Ion Ratio Lower Upper
91 100
106 48.3 24.2 72.6



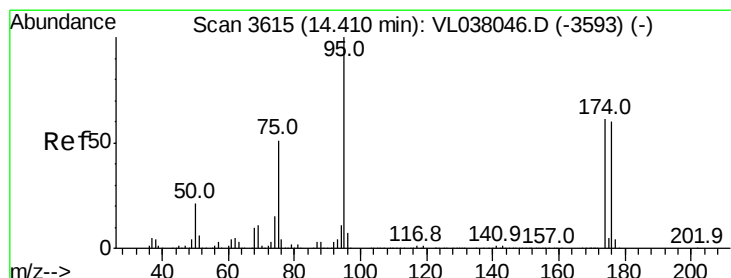
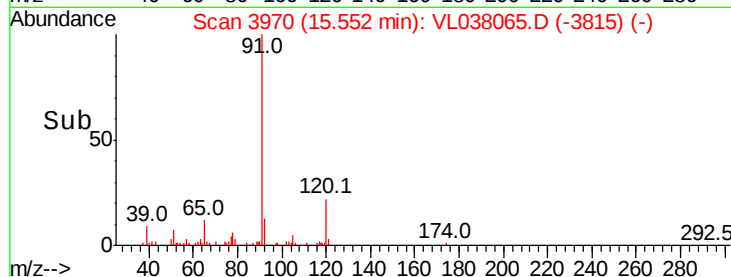
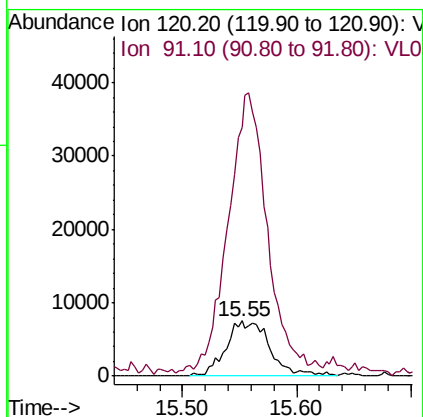
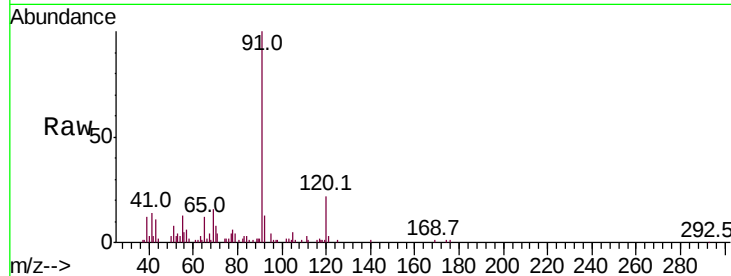


#64
n-propylbenzene
Concen: 0.209 ppbv m
RT: 15.55
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Nov 2021 22:20

Tot Ion:1
Ion Rati
120 100
91 496.

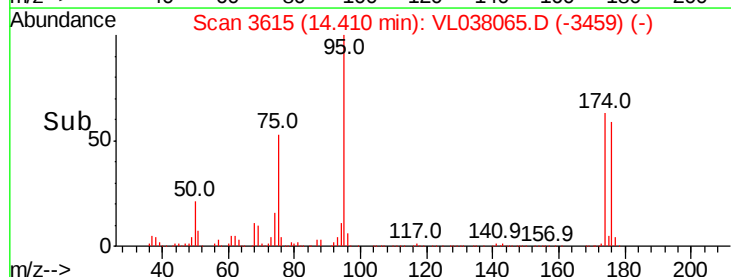
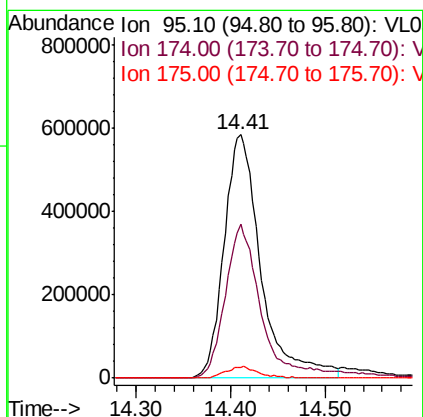
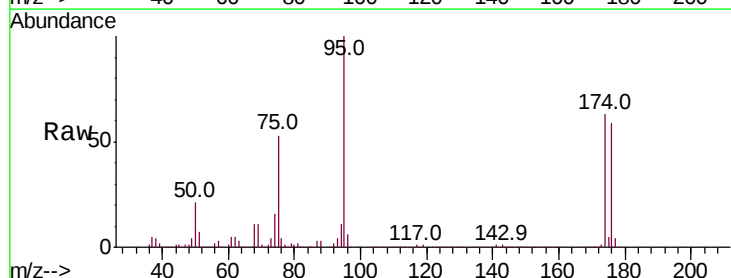
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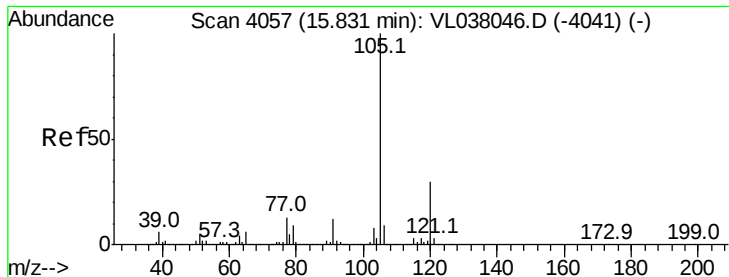
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 10.597 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. 0.00 min
Lab File: VL038065.D
Acq: 18 Nov 2021 22:26

Tgt Ion: 95 Resp: 1576617
Ion Ratio Lower Upper
95 100
174 64.1 53.1 79.7
175 4.4 4.0 6.0



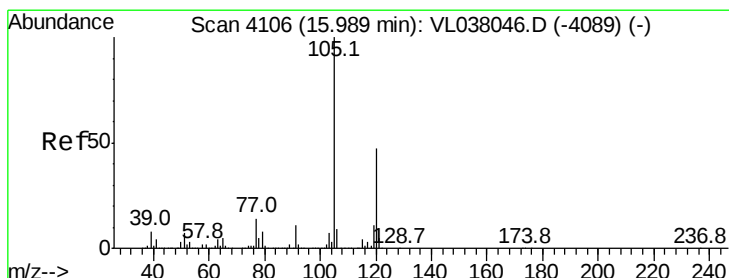
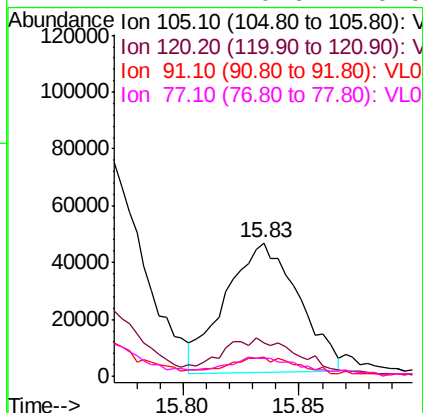
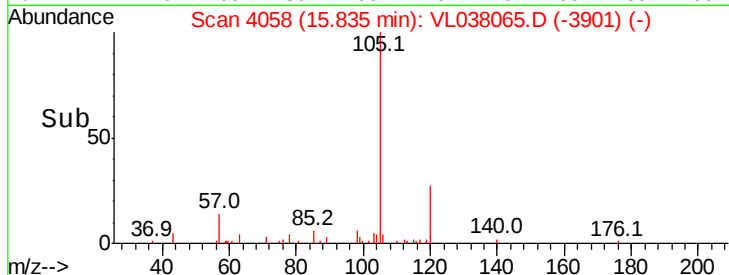
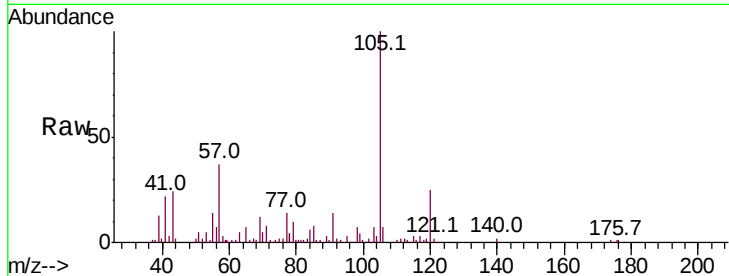


#72
 4-Ethyltoluene
 Concen: 0.325 ppbv
 RT: 15.83 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 17-TOTEN-STREET
 Acq: 18 Nov 2021 22:20

Tot Ion: 1
 Ion Ratio
 105 100
 120 34.
 91 14.
 77 17.4 10.6 16.0#

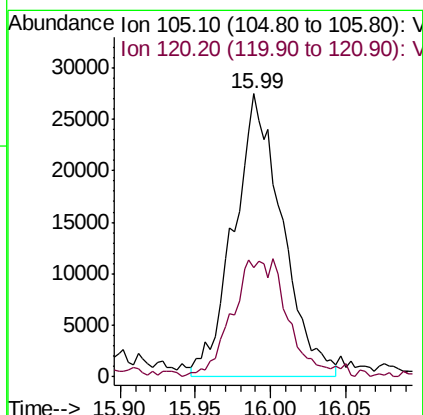
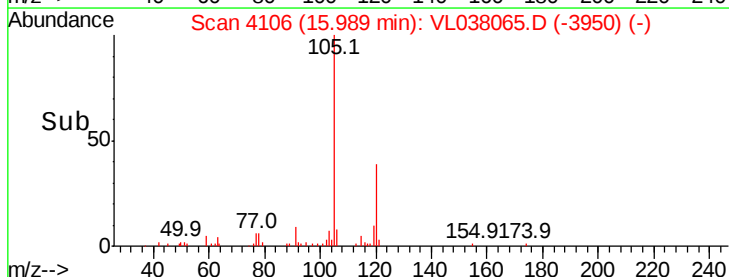
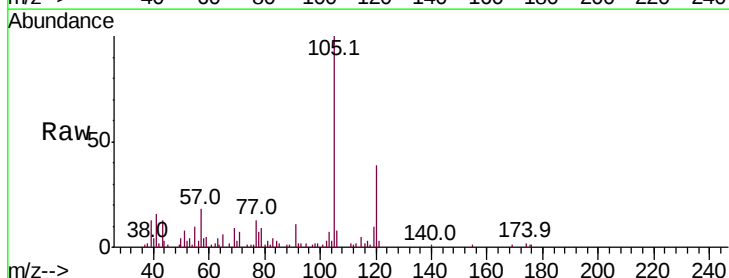
Manual Integrations
 APPROVED

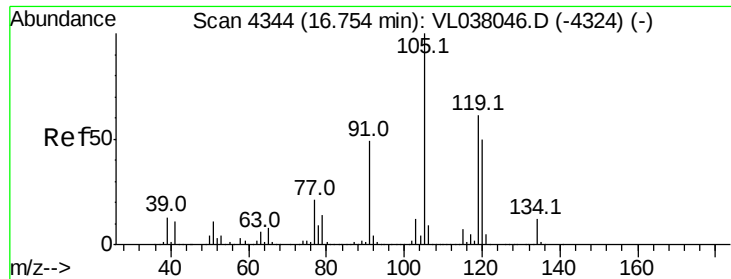
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



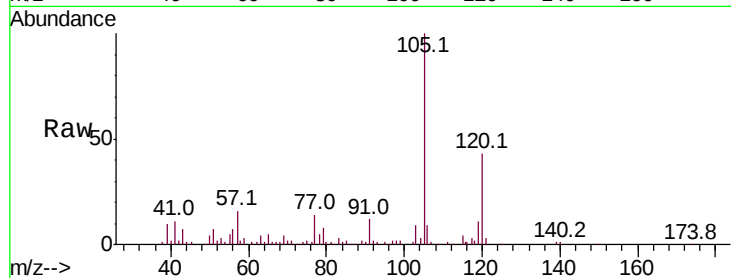
#73
 1,3,5-Trimethylbenzene
 Concen: 0.219 ppbv m
 RT: 15.99 min Scan# 4106
 Delta R.T. 0.00 min
 Lab File: VL038065.D
 Acq: 18 Nov 2021 22:26

Tgt Ion: 105 Resp: 61820
 Ion Ratio Lower Upper
 105 100
 120 38.6 37.8 56.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.818 ppbv
 RT: 16.75
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 17-TOTEN-STREET
 Acq: 18 Nov 2021 22:20



Tot Ion:1
 Ion Rati
 105 100
 120 42.
 91 11.
 77 13.3 16.6 25.0#

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