

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038121.D
 Acq On : 24 Nov 2021 5:19
 Operator : SY/AP
 Sample : M4805-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SG-ROOK-COFFEE

Manual Integrations
 APPROVED

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

Quant Time: Nov 26 05:54:06 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	5.65	49	887104	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2485477	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2175961	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1743643	11.11	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	31484m	0.215	ppbv	
9) Propene	3.02	41	35513	0.518	ppbv #	82
10) Heptane	8.10	43	26056m	0.154	ppbv	
11) Trichlorofluoromethane	3.94	101	53383	0.383	ppbv	95
13) Ethanol	3.60	45	250893m	37.841	ppbv	
15) Acetone	3.84	43	1500505	19.509	ppbv	99
19) Isopropyl Alcohol	3.97	45	159908	2.877	ppbv #	1
20) Methylene Chloride	4.34	84	69054	1.603	ppbv	89
26) Hexane	5.67	57	71563	0.581	ppbv #	50
27) Carbon Disulfide	4.55	76	11231m	0.102	ppbv	
34) 2-Butanone	5.23	43	215882	2.154	ppbv	99
35) Carbon Tetrachloride	7.00	117	9370m	0.054	ppbv	
36) Benzene	6.87	78	70247	0.283	ppbv	94
50) 4-Methyl-2-Pentanone	8.74	43	42899m	0.282	ppbv	
51) 2-Hexanone	10.12	43	48516m	0.678	ppbv	
52) Tetrachloroethene	11.19	164	11189m	0.122	ppbv	
53) Toluene	9.78	91	106647	0.374	ppbv	99
59) m/p-Xylene	12.94	91	77925m	0.257	ppbv	
60) o-Xylene	13.66	91	33495	0.119	ppbv	93
61) Styrene	13.50	104	49705	0.330	ppbv	92
62) Isopropylbenzene	14.64	105	261301	0.655	ppbv	97
74) 1,2,4-Trimethylbenzene	16.73	105	38453m	0.125	ppbv	

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

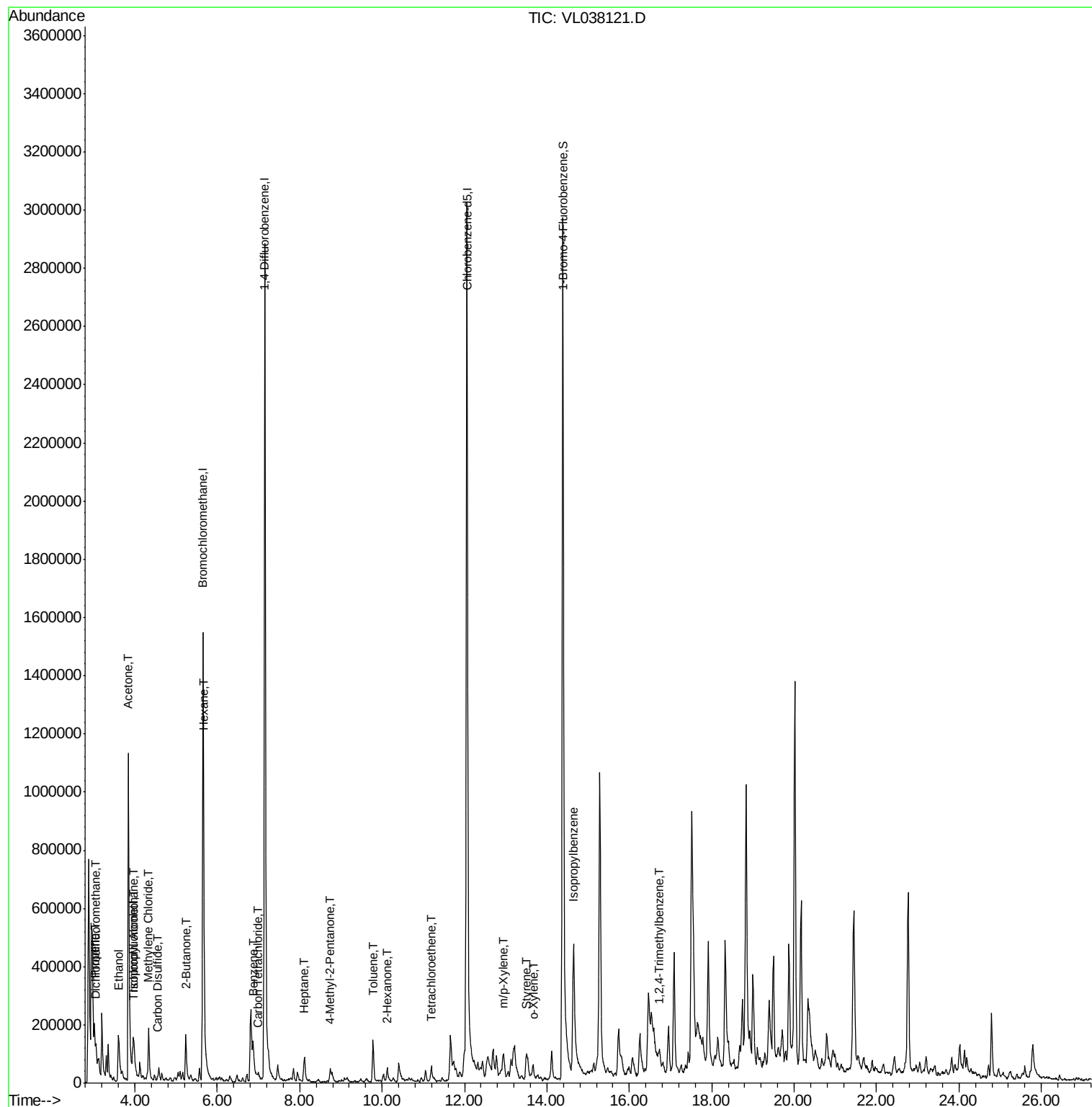
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112321\
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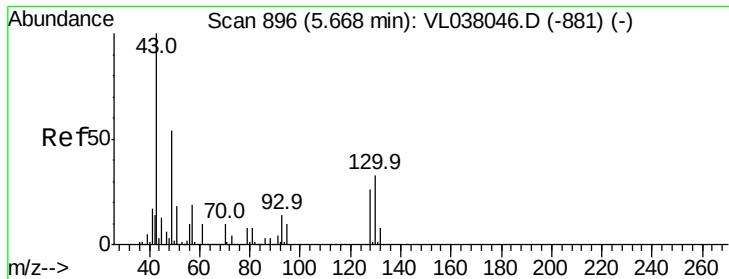
Instrument :
MSVOA_L
ClientSampleId :
SG-ROOK-COFFEE

Quant Time: Nov 26 05:54:06 2021
Quant Method : Z:\V0ASRV\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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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: SG-ROOK-COFFEE

Acq: 24 Nov 2021 5:19

Tot Ion:

Ion Ratio

49 100

128 48.

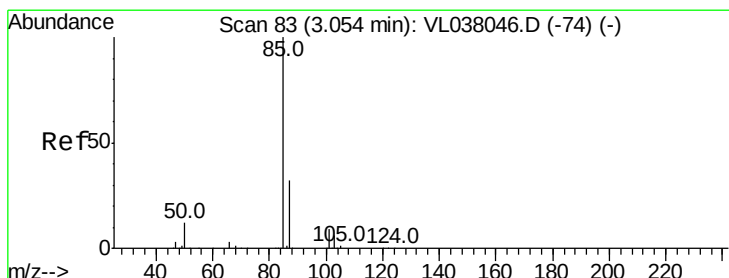
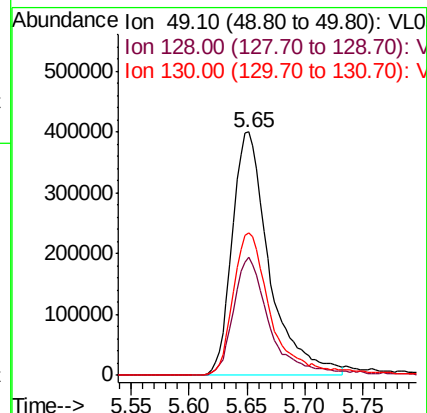
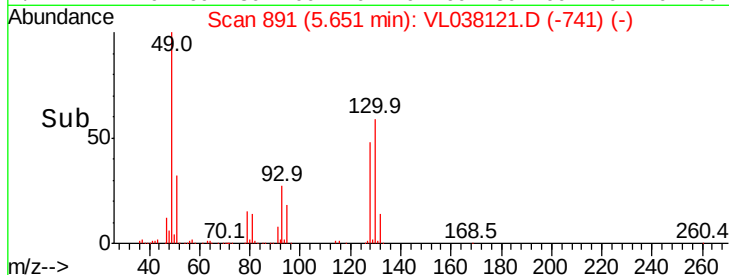
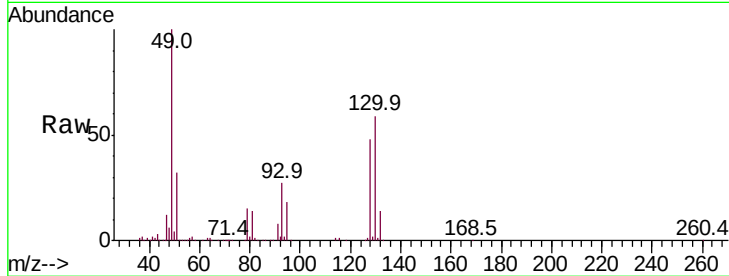
130 61.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#2

Dichlorodifluoromethane

Concen: 0.215 ppbv m

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL038121.D

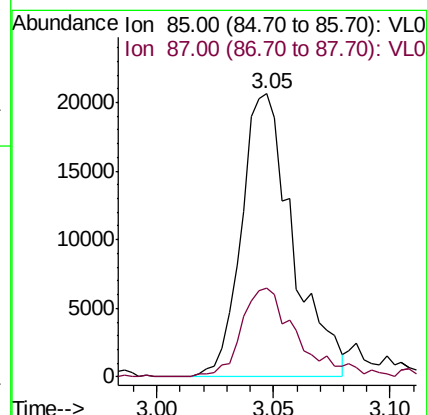
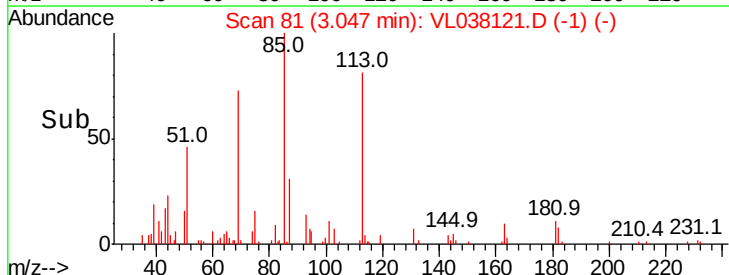
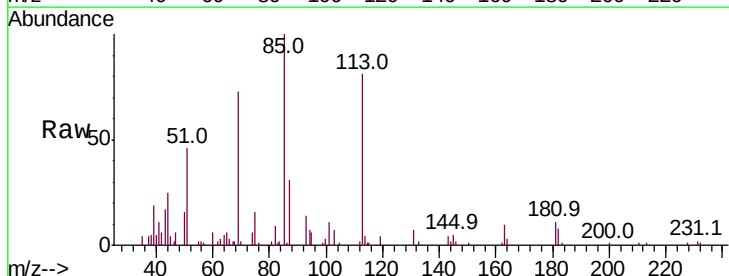
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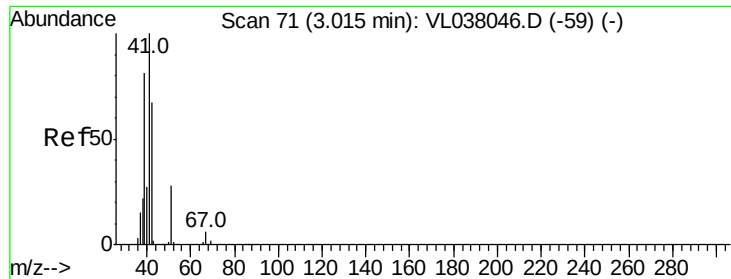
Tgt Ion: 85 Resp: 31484

Ion Ratio Lower Upper

85 100

87 31.2 25.8 38.6





#9

Propene

Concen: 0.518 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Nov 2021 5:19

Tot Ion:

Ion Ratio

41 100

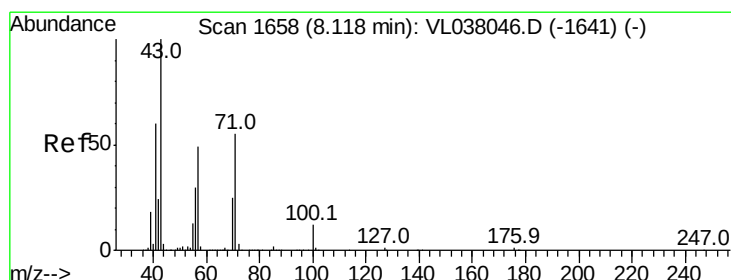
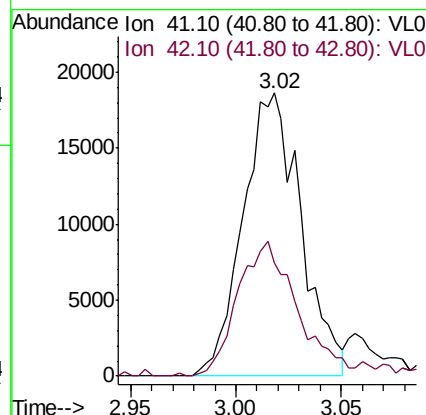
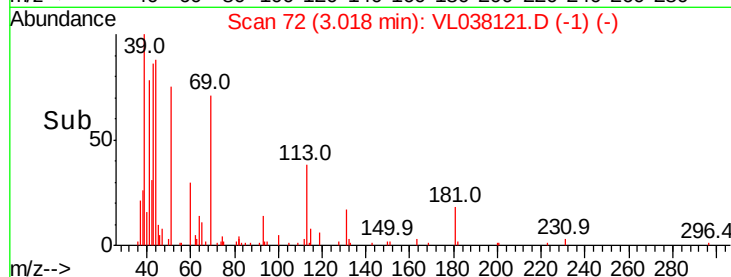
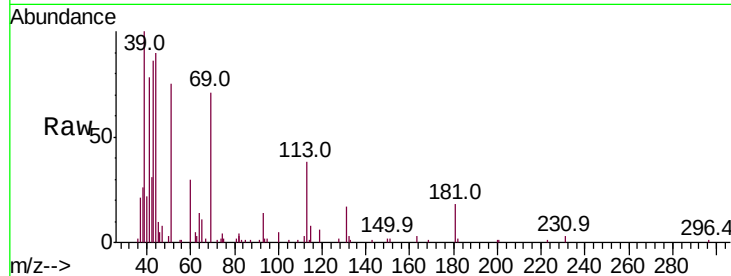
42 53.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#10

Heptane

Concen: 0.154 ppbv m

RT: 8.10 min Scan# 1652

Delta R.T. -0.02 min

Lab File: VL038121.D

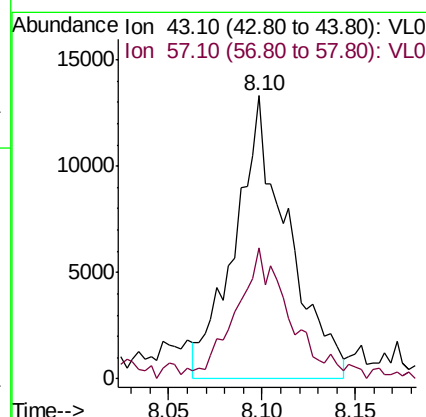
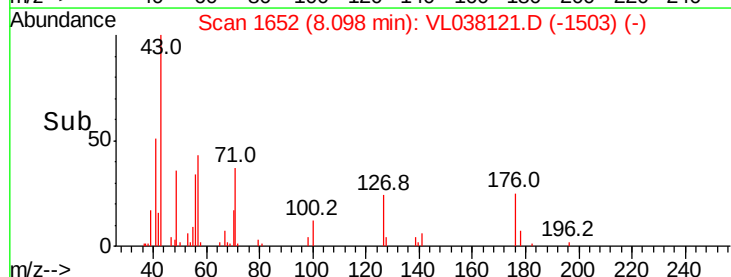
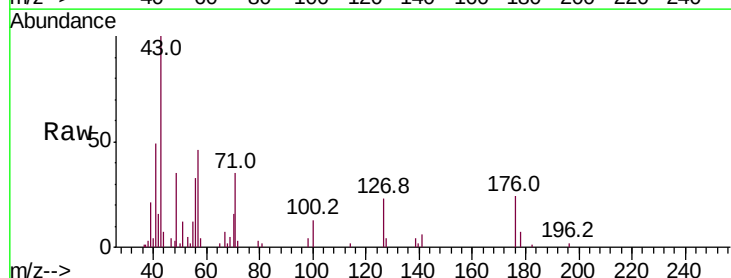
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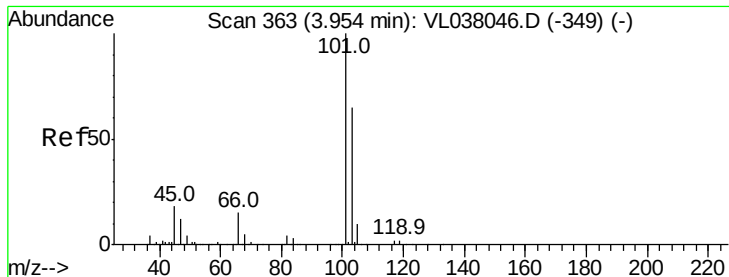
Tgt Ion: 43 Resp: 26056

Ion Ratio Lower Upper

43 100

57 49.5 40.4 60.6



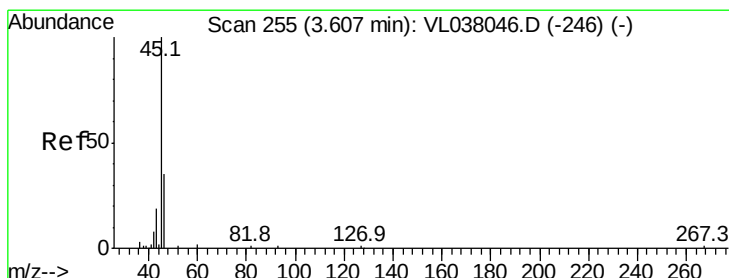
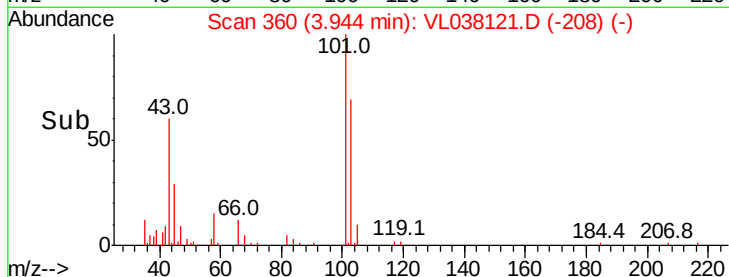
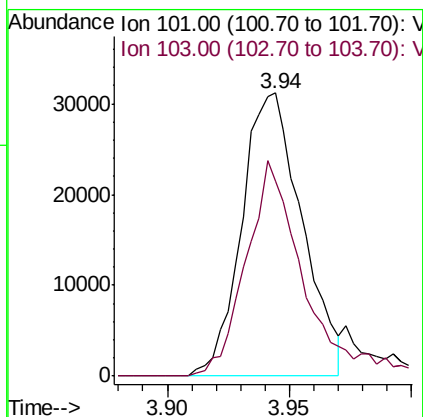
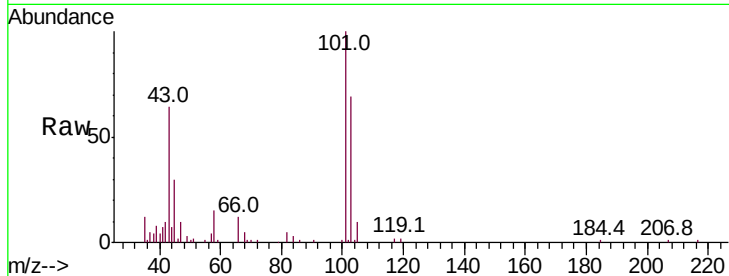


#11
Trichlorofluoromethane
Concen: 0.383 ppbv
RT: 3.94
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : SG-ROOK-COFFEE
Acq: 24 Nov 2021 5:19

Tot Ion:1
Ion Rati
101 100
103 68.

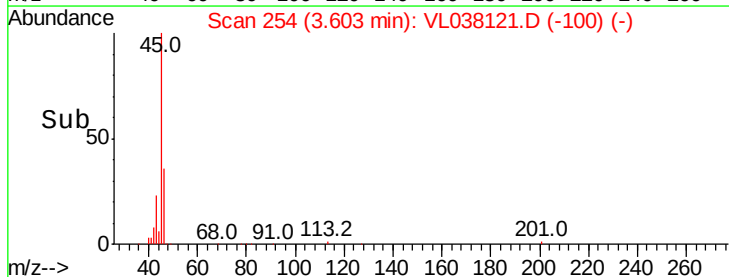
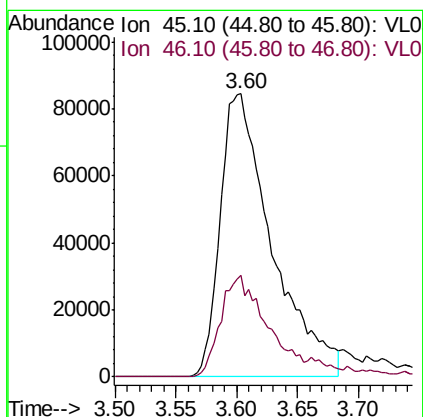
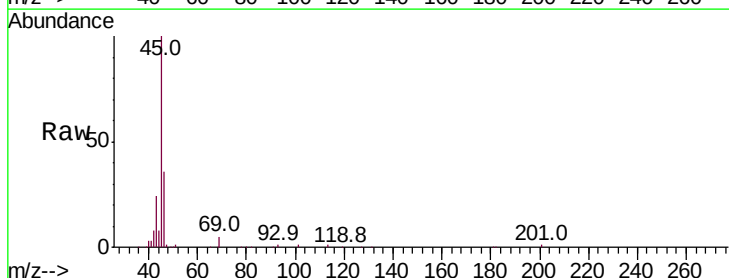
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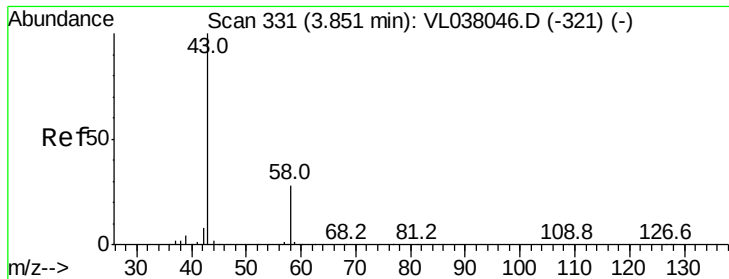
Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021



#13
Ethanol
Concen: 37.841 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL038121.D
Acq: 24 Nov 2021 5:19

Tgt Ion: 45 Resp: 250893
Ion Ratio Lower Upper
45 100
46 37.3 17.6 70.2





#15

Acetone

Concen: 19.509 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Nov 2021 5:19 SG-ROOK-COFFEE

Tot Ion:

Ion Ratio

43 100

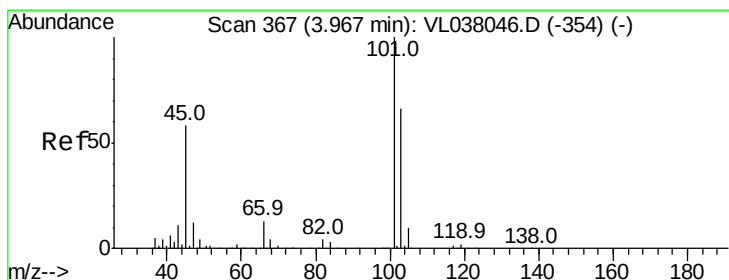
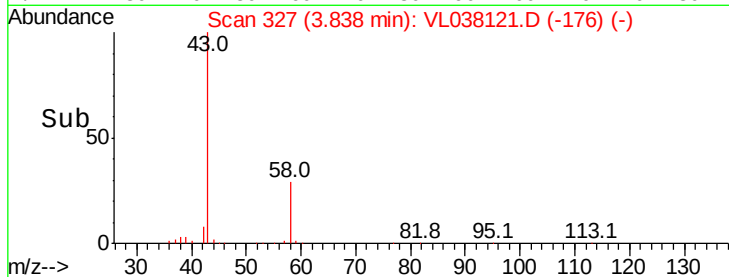
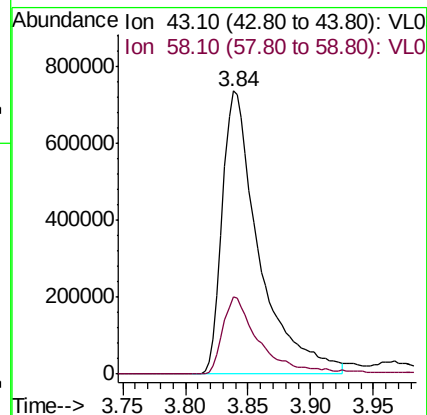
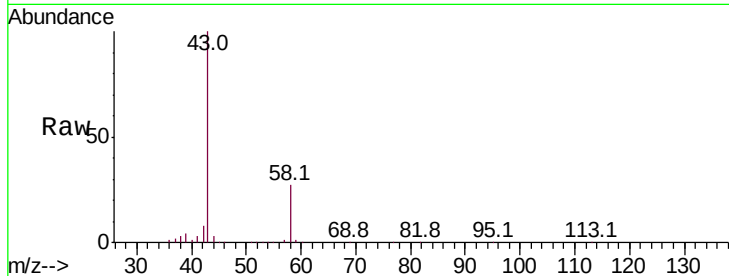
58 28.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#19

Isopropyl Alcohol

Concen: 2.877 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.00 min

Lab File: VL038121.D

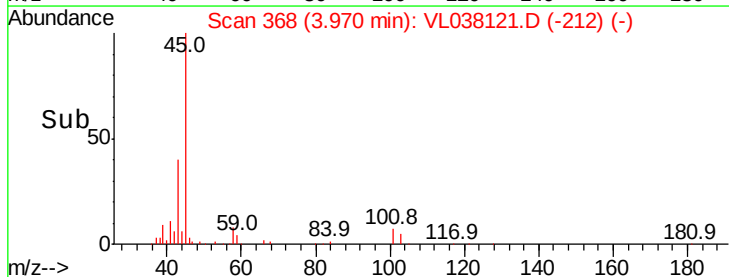
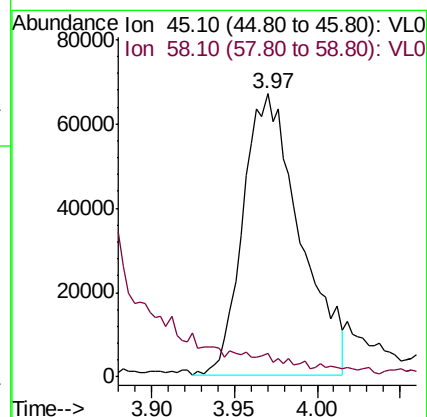
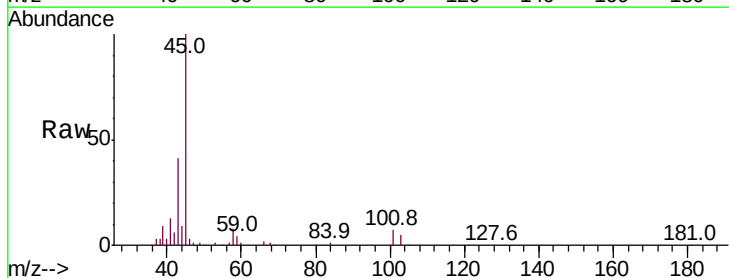
Acq: 24 Nov 2021 5:19

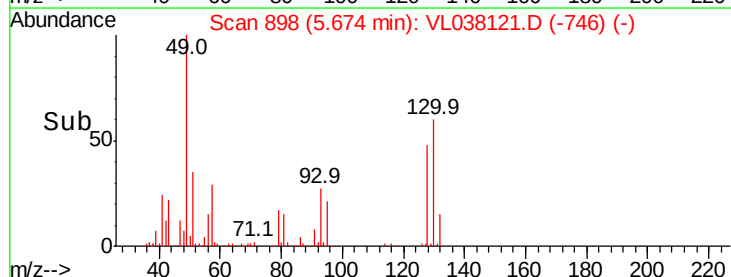
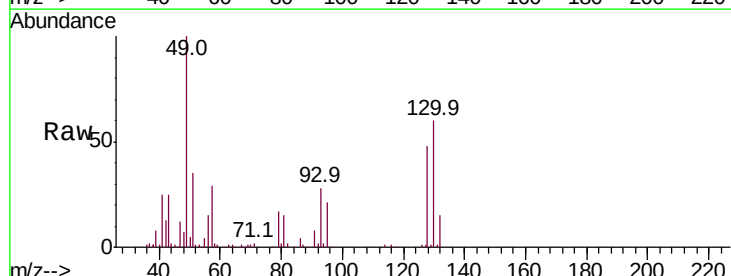
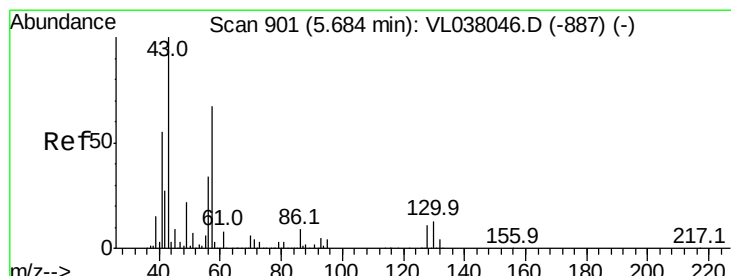
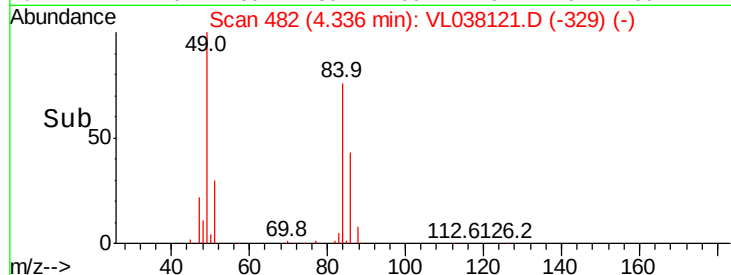
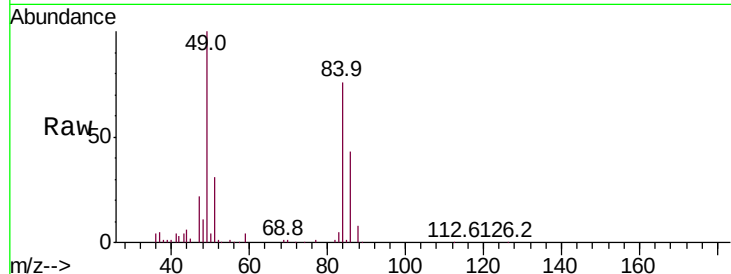
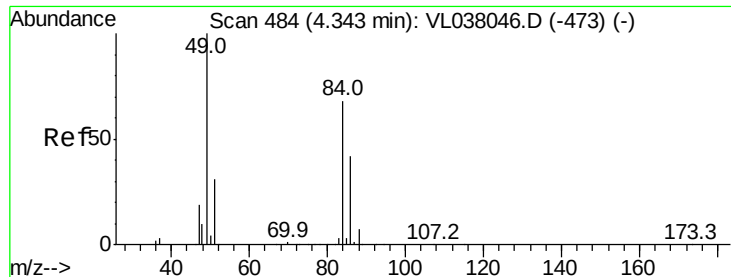
Tgt Ion: 45 Resp: 159908

Ion Ratio Lower Upper

45 100

58 269.9 1.4 2.0#



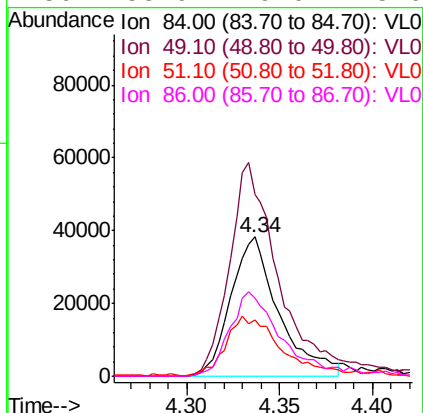


#20
Methvlene Chloride
Concen: 1.603 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Nov 2021 5:19 SG-ROOK-COFFEE

Tot Ion:
Ion Ratio
84 100
49 130.
51 39.
86 55.9 49.0 73.6

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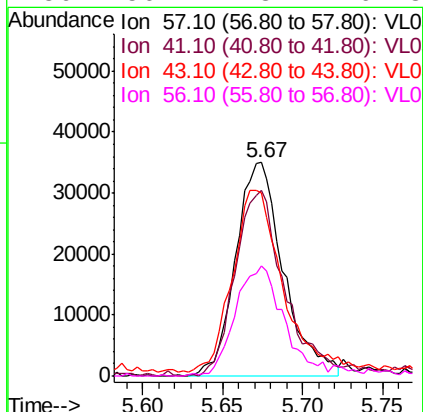
Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021

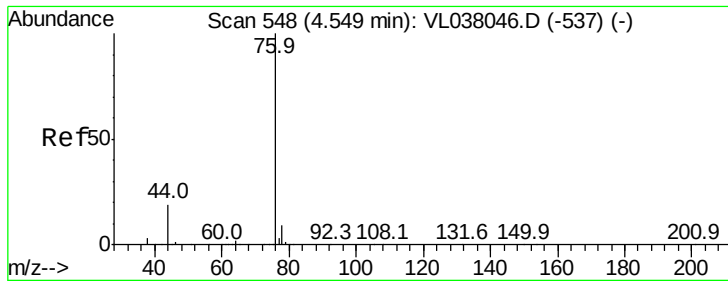


#26
Hexane
Concen: 0.581 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL038121.D
Acq: 24 Nov 2021 5:19

Tgt Ion: 57 Resp: 71563

Ion	Ratio	Lower	Upper
57	100		
41	94.4	71.4	107.2
43	91.4	174.6	261.8#
56	56.2	43.2	64.8





#27

Carbon Disulfide

Concen: 0.102 ppbv m

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Nov 2021 5:19 SG-ROCK-COFFEE

Tot Ion:

Ion Ratio

76 100

44 39.

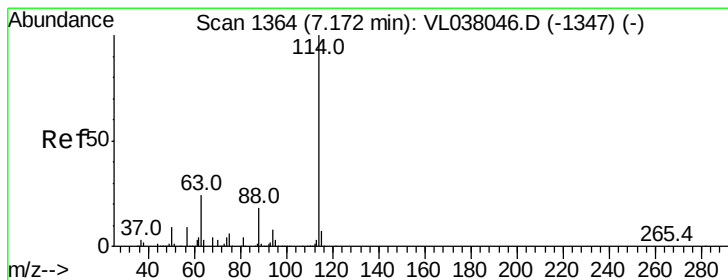
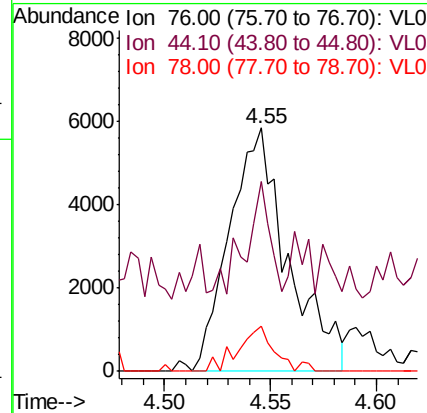
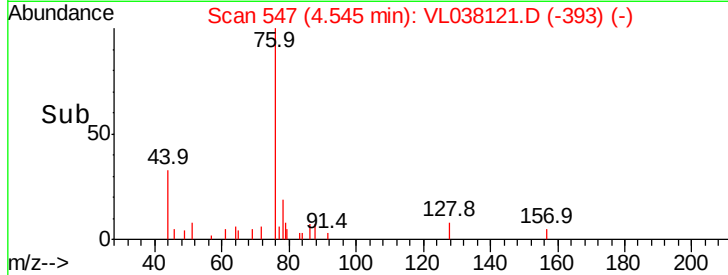
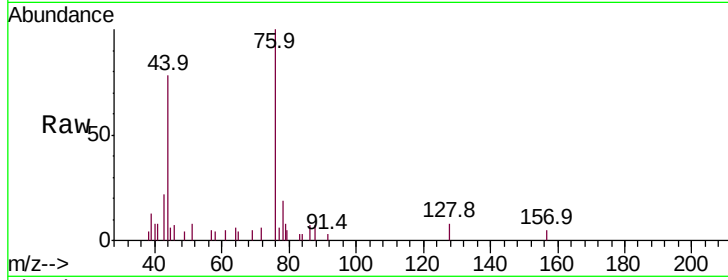
78 12.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VL038121.D

Acq: 24 Nov 2021 5:19

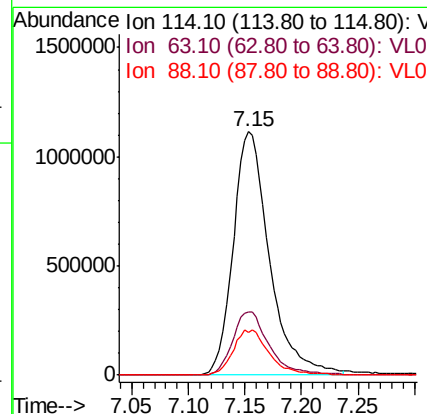
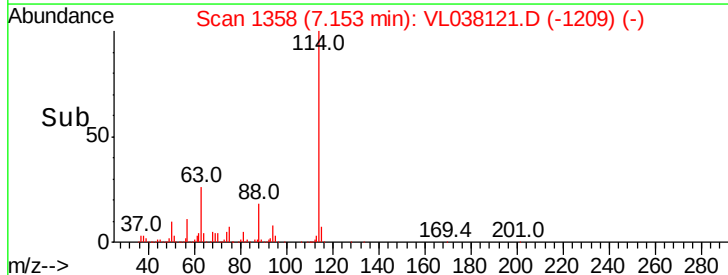
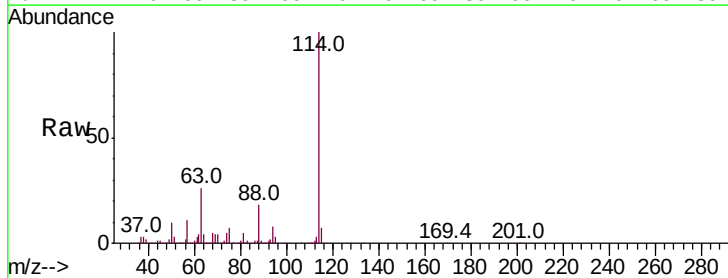
Tgt Ion:114 Resp: 2485477

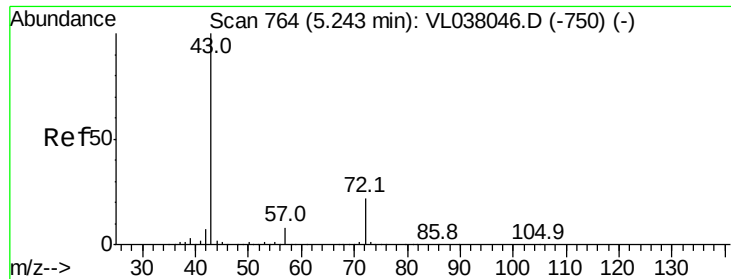
Ion Ratio Lower Upper

114 100

63 26.5 19.7 29.5

88 19.0 14.4 21.6



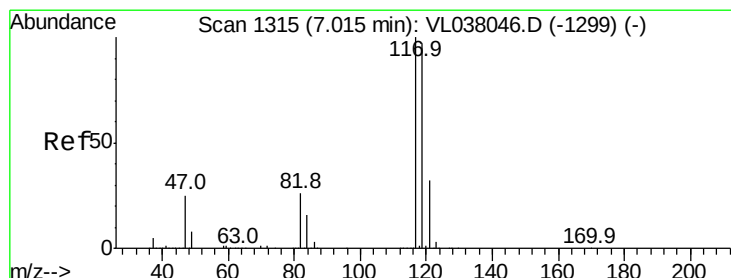
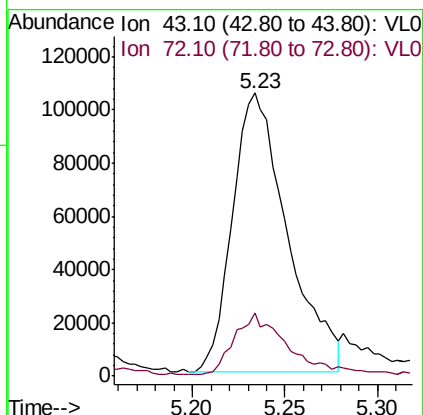
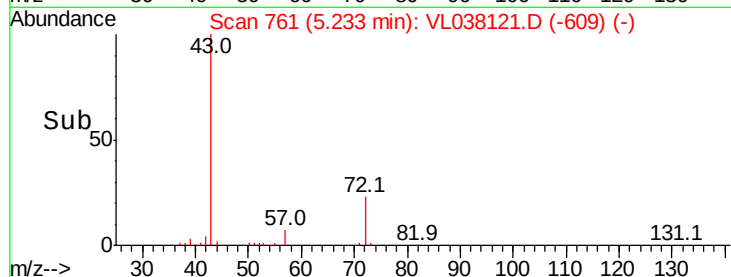
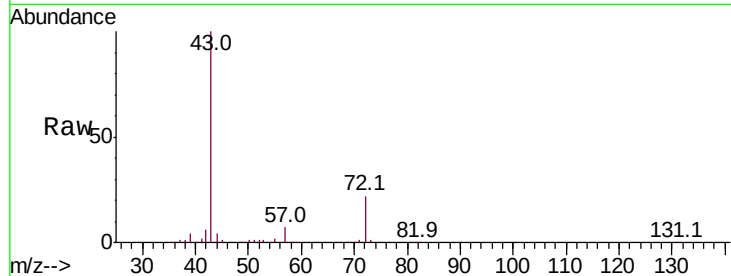


#34
2-Butanone
Concen: 2.154 ppbv
RT: 5.23
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : SG-ROCK-COFFEE
Acq: 24 Nov 2021 5:19

Tot Ion:
Ion Ratio
43 100
72 24.

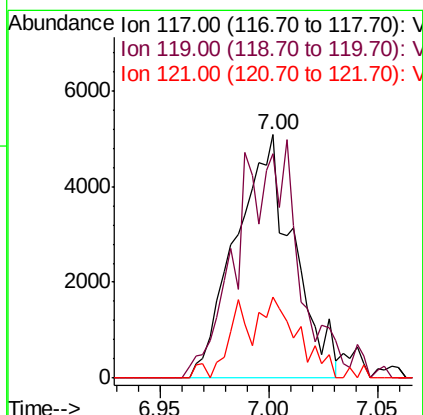
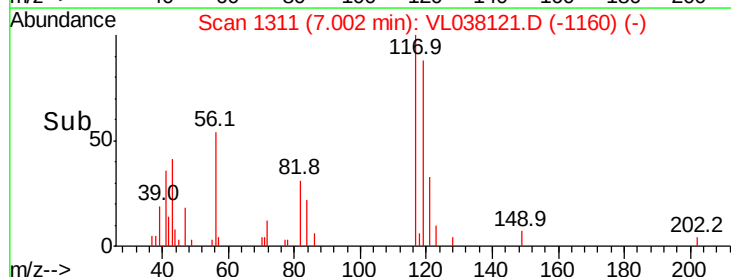
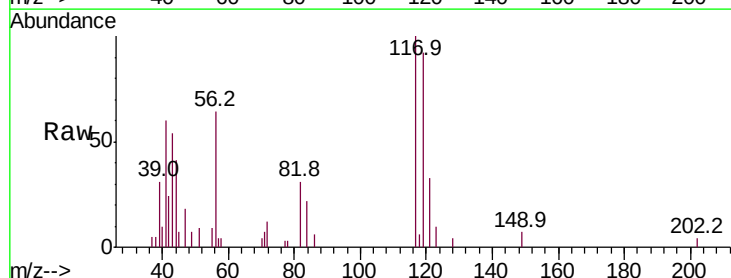
Manual Integrations
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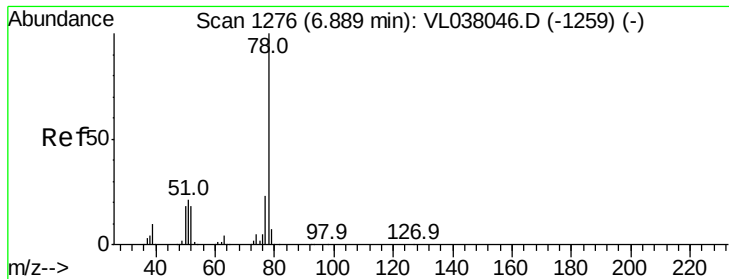
Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021



#35
Carbon Tetrachloride
Concen: 0.054 ppbv m
RT: 7.00 min Scan# 1311
Delta R.T. -0.01 min
Lab File: VL038121.D
Acq: 24 Nov 2021 5:19

Tgt Ion:117 Resp: 9370
Ion Ratio Lower Upper
117 100
119 92.1 77.7 116.5
121 33.1 25.6 38.4





#36

Benzene

Concen: 0.283 ppbv

RT: 6.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Nov 2021 5:19 SG-ROOK-COFFEE

Tot Ion:

Ion Ratio

78 100

77 19.

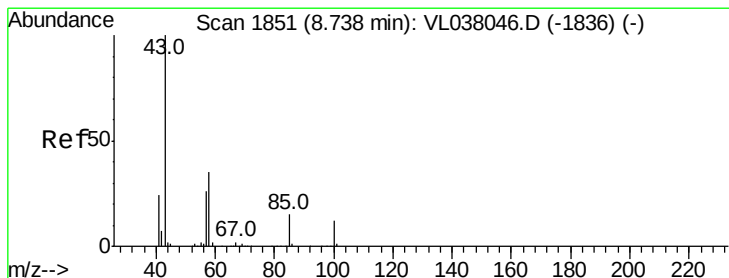
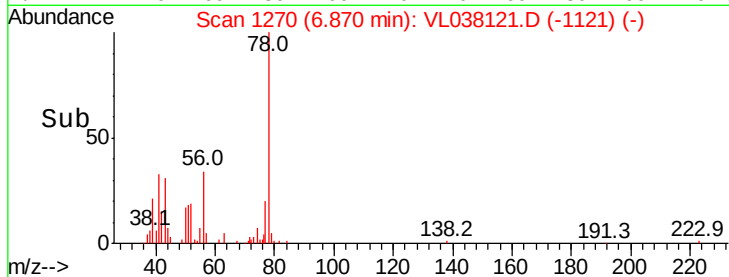
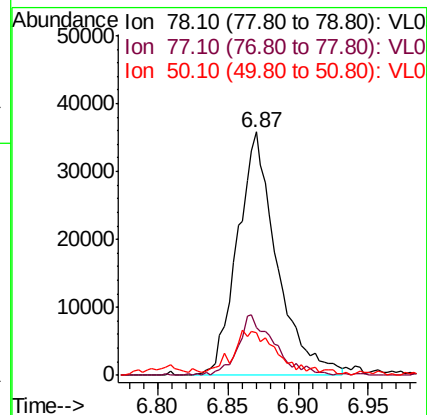
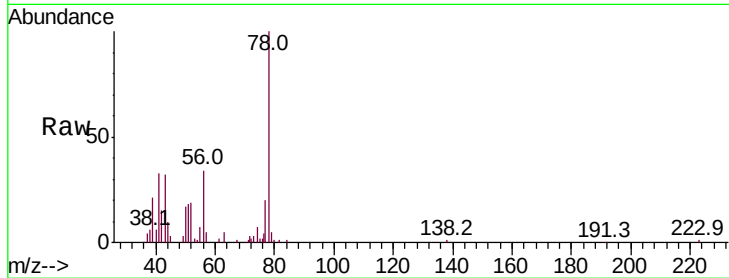
50 16.

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#50

4-Methyl-2-Pentanone

Concen: 0.282 ppbv m

RT: 8.74 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VL038121.D

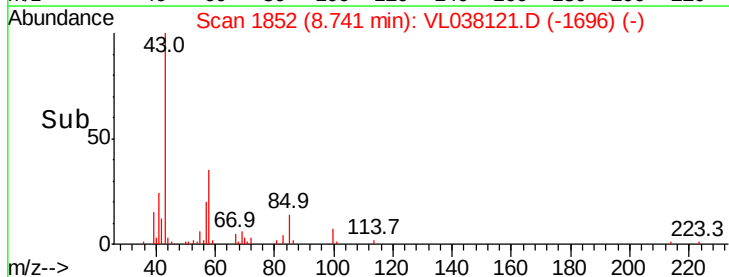
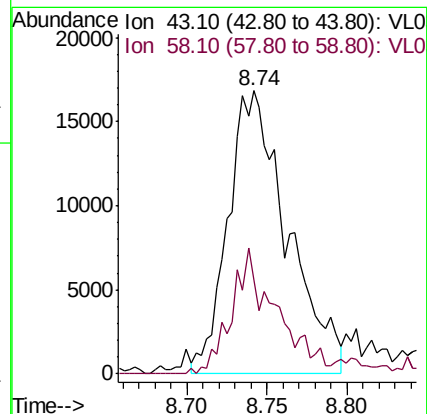
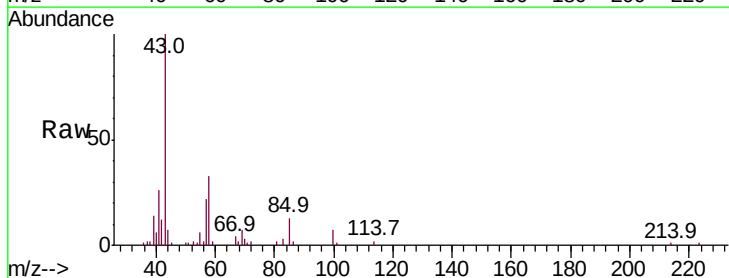
Acq: 24 Nov 2021 5:19

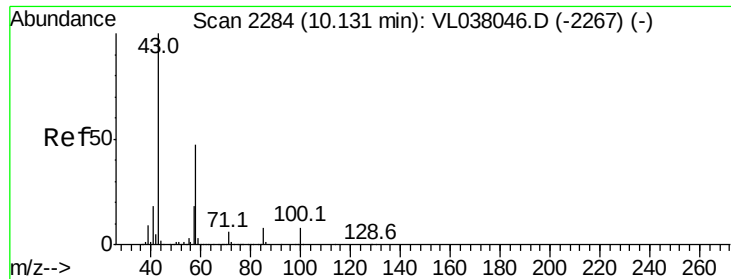
Tgt Ion: 43 Resp: 42899

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#



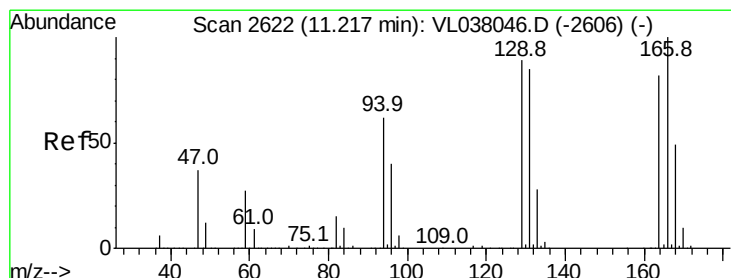
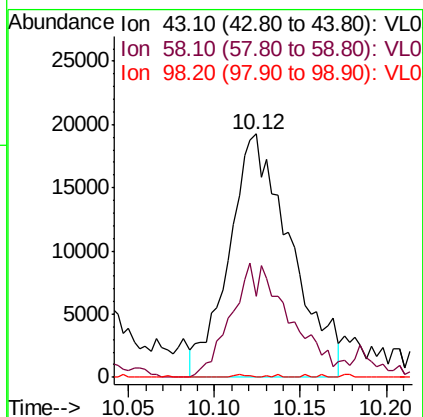
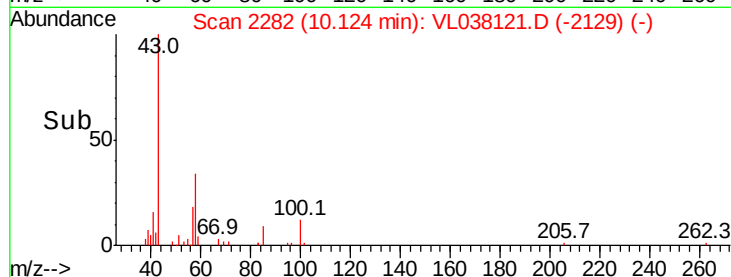
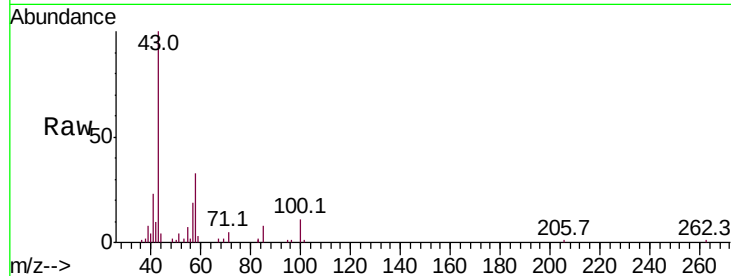


#51
2-Hexanone
Concen: 0.678 ppbv m
RT: 10.12
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Nov 2021 5:19 SG-ROOK-COFFEE

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

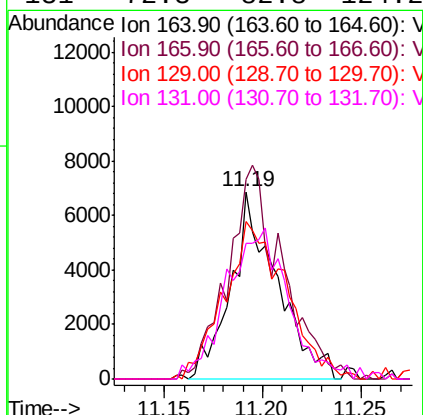
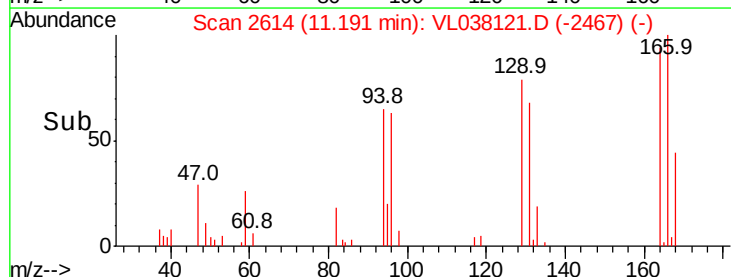
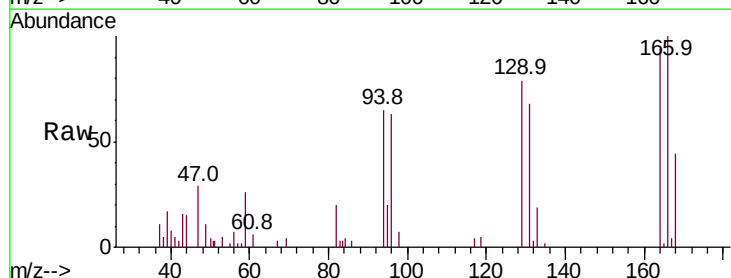
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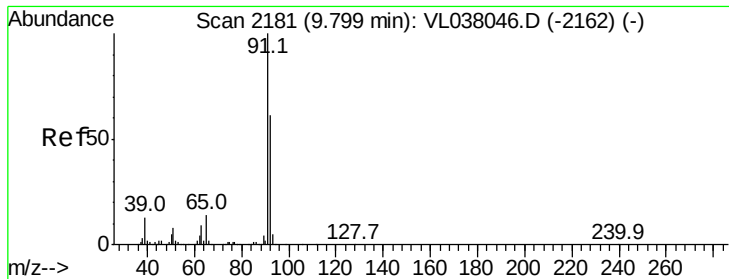
Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021



#52
Tetrachloroethene
Concen: 0.122 ppbv m
RT: 11.19 min Scan# 2614
Delta R.T. -0.03 min
Lab File: VL038121.D
Acq: 24 Nov 2021 5:19

Tgt Ion:164 Resp: 11189
Ion Ratio Lower Upper
164 100
166 106.8 97.2 145.8
129 84.2 86.9 130.3#
131 72.3 82.8 124.2#





#53

Toluene

Concen: 0.374 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Nov 2021 5:19 SG-ROCK-COFFEE

Tot Ion:

Ion Ratio

91 100

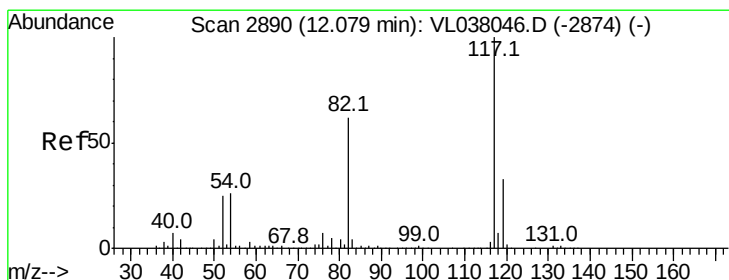
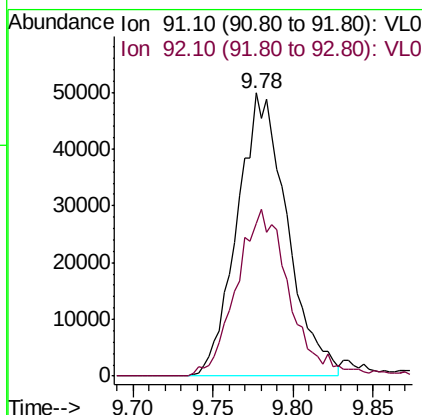
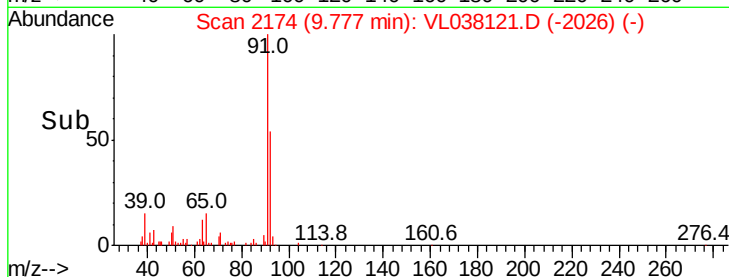
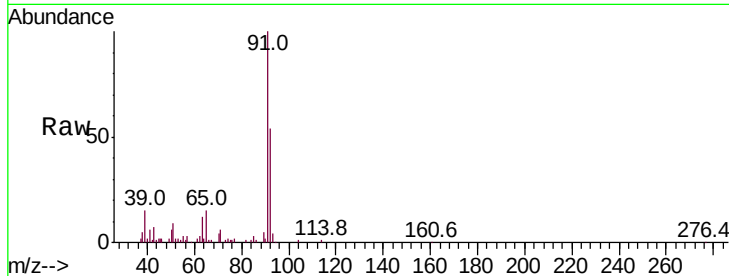
92 63.

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.02 min

Lab File: VL038121.D

Acq: 24 Nov 2021 5:19

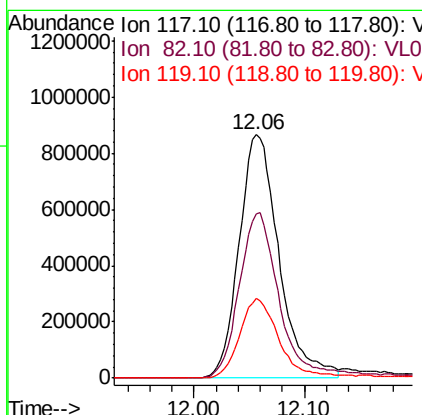
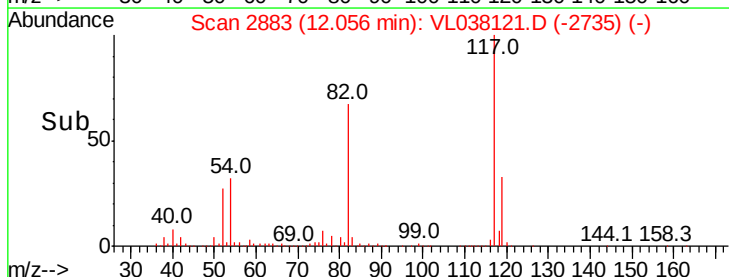
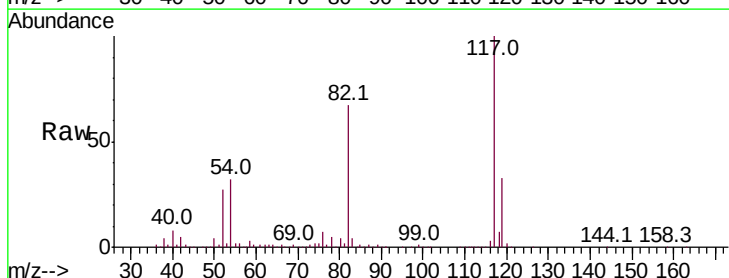
Tgt Ion:117 Resp: 2175961

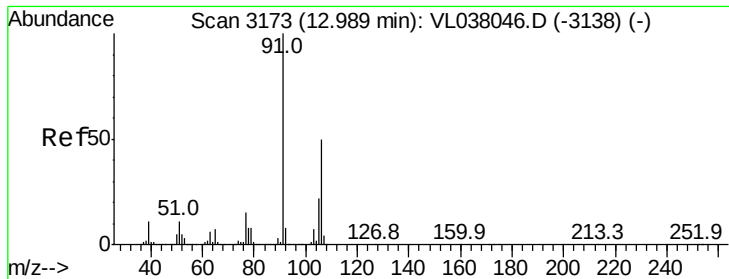
Ion Ratio Lower Upper

117 100

82 70.9 52.8 79.2

119 34.3 26.8 40.2



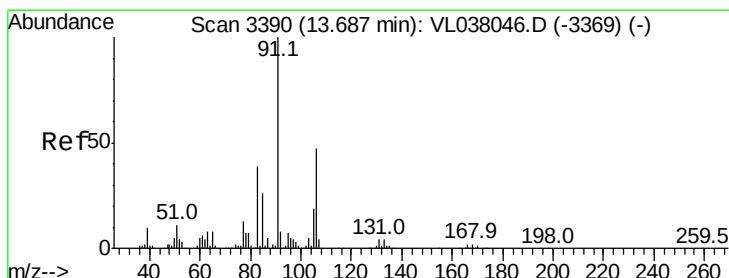
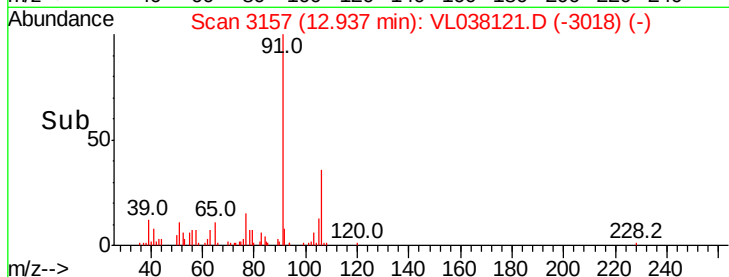
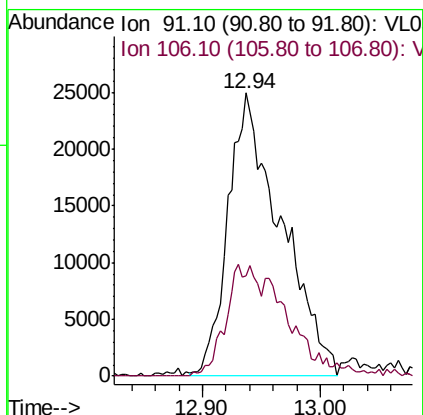
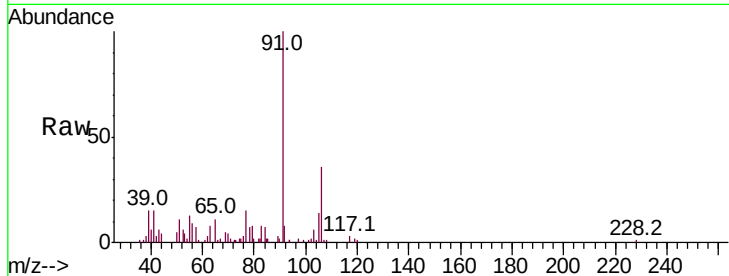


#59
m/p-Xylene
Concen: 0.257 ppbv m
RT: 12.94
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Nov 2021 5:19 SG-ROOK-COFFEE

Tot Ion:
Ion Ratio
91 100
106 0.

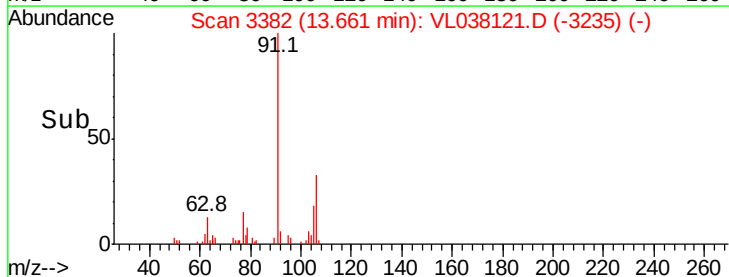
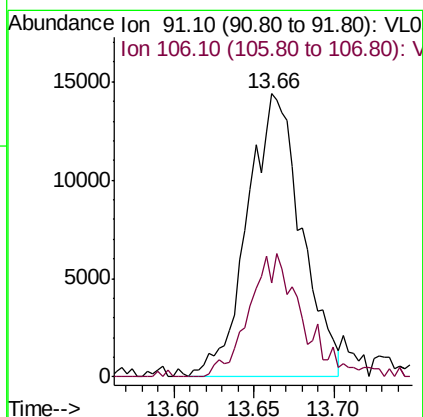
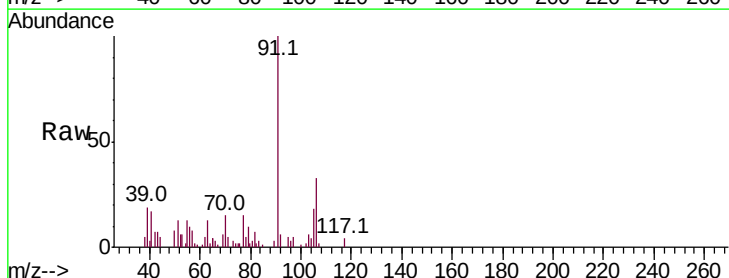
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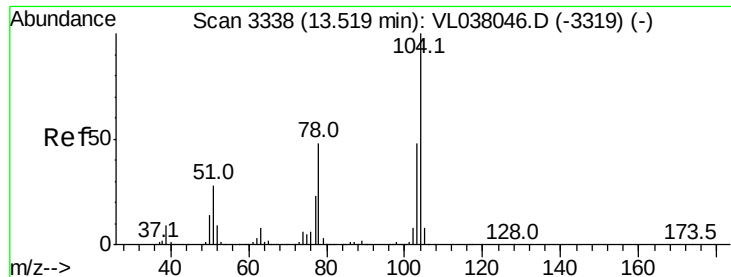
Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021



#60
o-Xylene
Concen: 0.119 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.03 min
Lab File: VL038121.D
Acq: 24 Nov 2021 5:19

Tgt Ion: 91 Resp: 33495
Ion Ratio Lower Upper
91 100
106 43.4 24.2 72.6



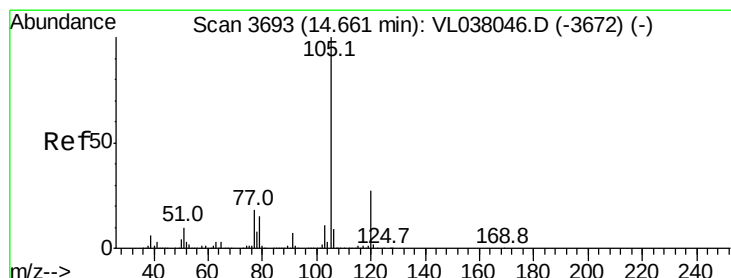
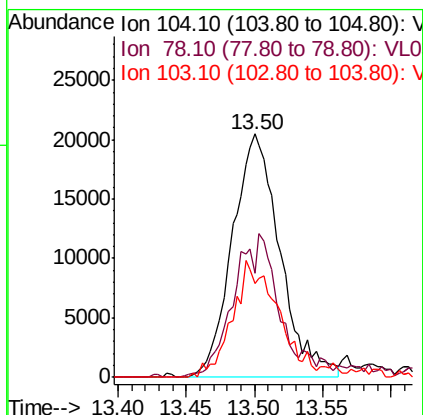
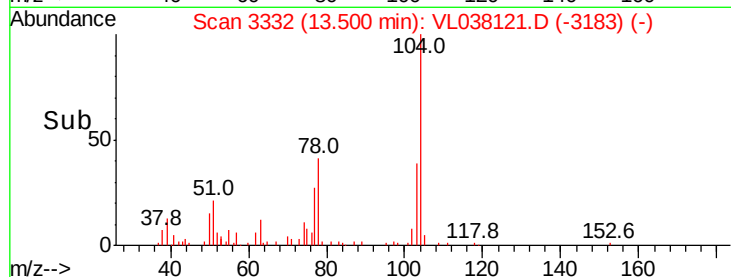
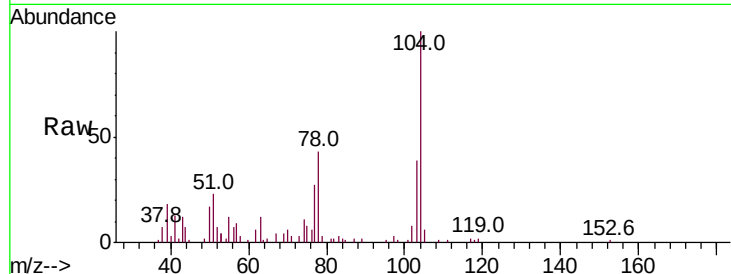


#61
Stvrene
Concen: 0.330 ppbv
RT: 13.50
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SG-ROOK-COFFEE
Acq: 24 Nov 2021 5:19

Tot Ion:1
Ion Rati
104 100
78 58.
103 49.

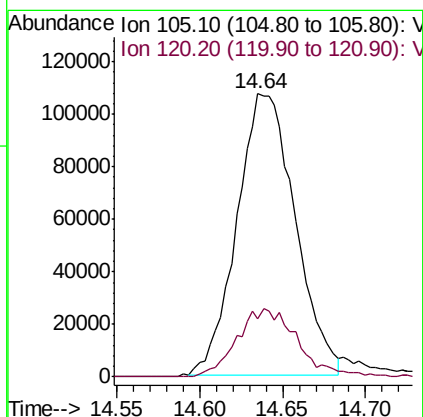
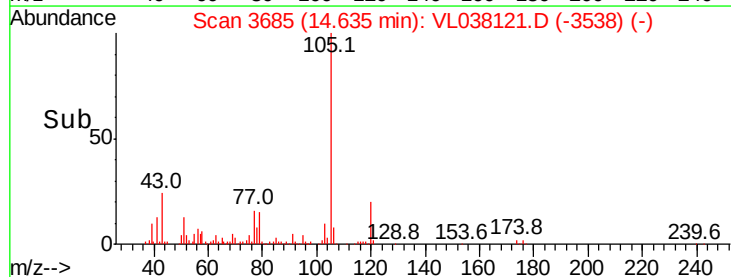
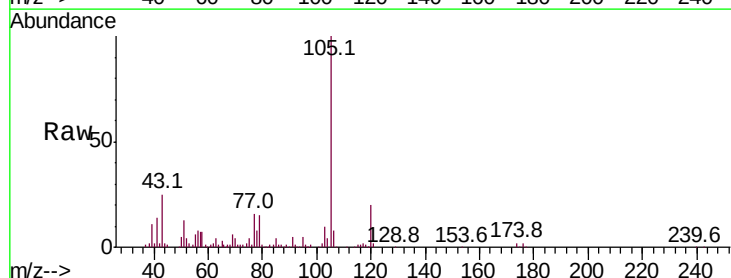
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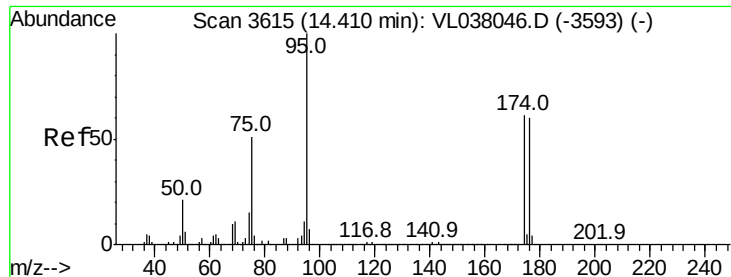
Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021



#62
Isopropylbenzene
Concen: 0.655 ppbv
RT: 14.64 min Scan# 3685
Delta R.T. -0.03 min
Lab File: VL038121.D
Acq: 24 Nov 2021 5:19

Tgt Ion:105 Resp: 261301
Ion Ratio Lower Upper
105 100
120 25.8 21.8 32.6



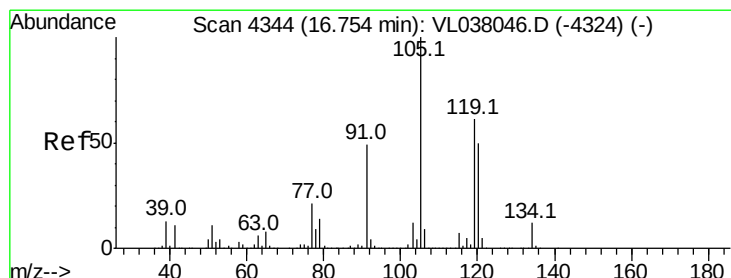
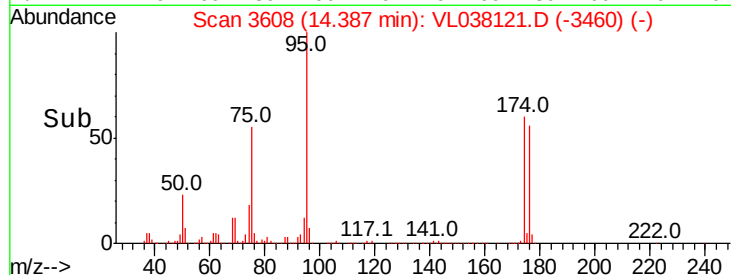
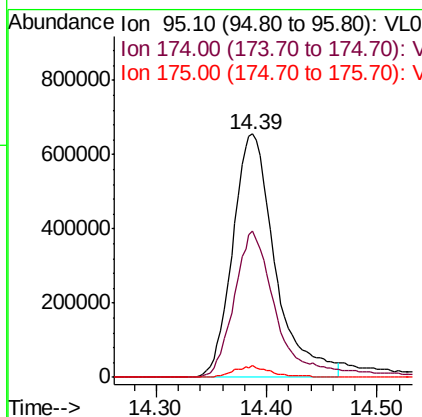
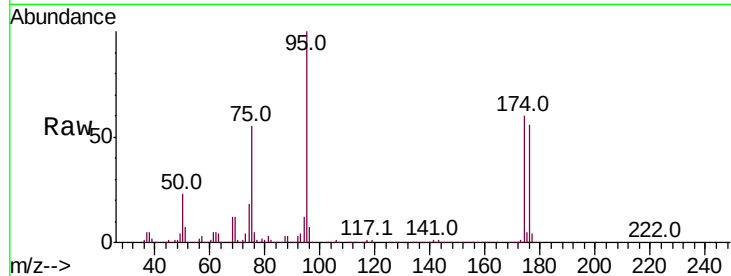


#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.109 ppbv
 RT: 14.39 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Nov 2021 5:19 SG-ROOK-COFFEE

Tot Ion:
 Ion Ratio
 95 100
 174 62.
 175 4.

Manual Integrations
 APPROVED

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



#74
 1,2,4-Trimethylbenzene
 Concen: 0.125 ppbv m
 RT: 16.73 min Scan# 4338
 Delta R.T. -0.02 min
 Lab File: VL038121.D
 Acq: 24 Nov 2021 5:19

Tgt Ion:105 Resp: 38453
 Ion Ratio Lower Upper
 105 100
 120 41.4 40.1 60.1
 91 15.1 39.8 59.8#
 77 18.7 16.6 25.0

