

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038064.D
 Acq On : 18 Nov 2021 21:45
 Operator : SY/AP
 Sample : M4704-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 15-JOHN DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 19 08:07:30 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	863816	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2442506	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2061091	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1467654	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	211728	3.169	ppbv	97
13) Ethanol	3.61	45	31449m	4.871	ppbv	
15) Acetone	3.85	43	1784672	23.829	ppbv	99
19) Isopropyl Alcohol	3.99	45	28521m	0.527	ppbv	
20) Methylene Chloride	4.35	84	19742	0.471	ppbv	92
26) Hexane	5.69	57	36177m	0.302	ppbv	
27) Carbon Disulfide	4.56	76	14384	0.134	ppbv #	66
34) 2-Butanone	5.27	43	50027m	0.508	ppbv	
36) Benzene	6.89	78	36982	0.152	ppbv	96
53) Toluene	9.80	91	162249m	0.579	ppbv	
59) m/p-Xylene	12.96	91	77603m	0.271	ppbv	
60) o-Xylene	13.68	91	27421m	0.103	ppbv	

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

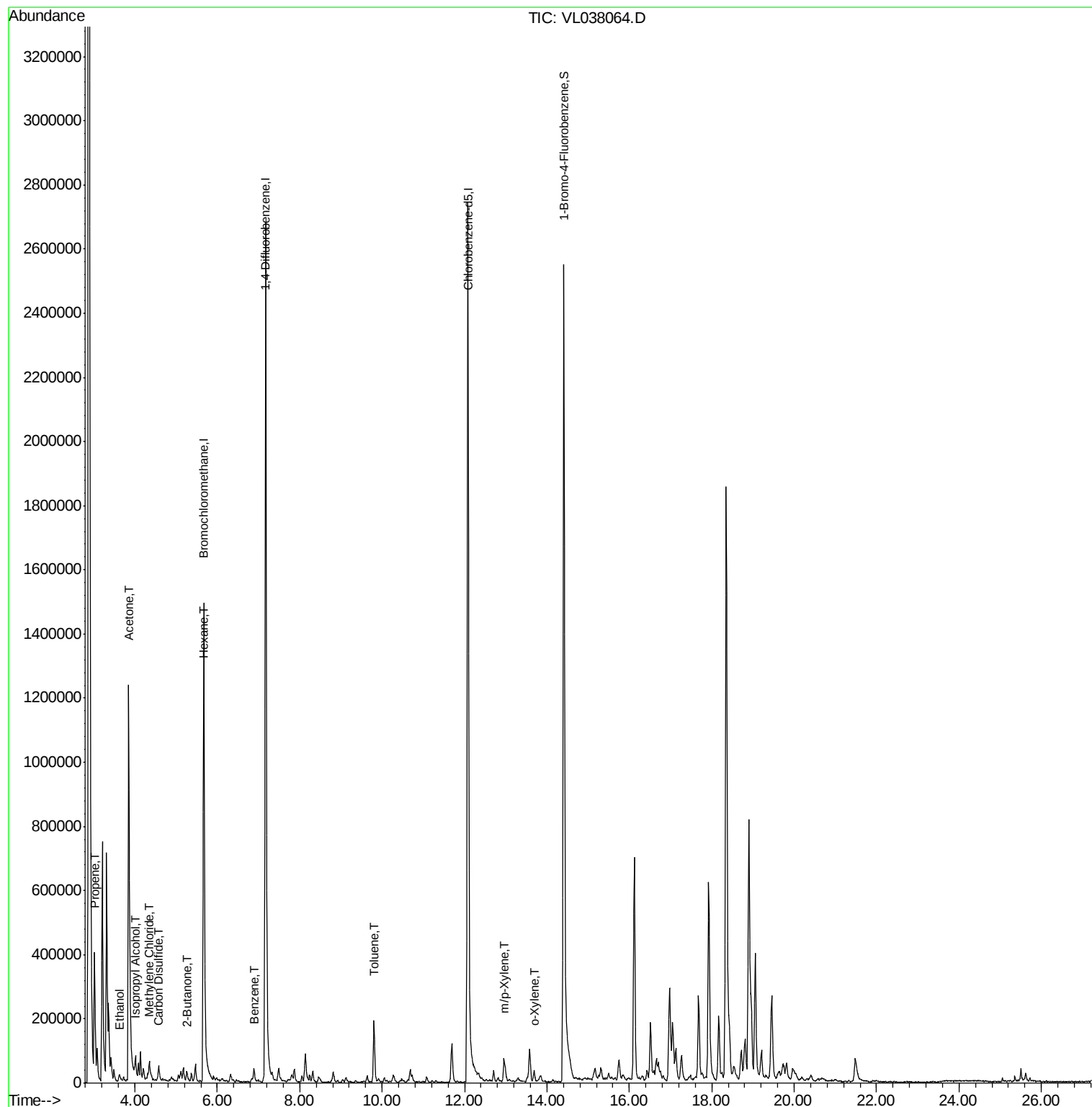
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111821\
Data File : VL038064.D
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ALS Vial : 1 Sample Multiplier: 1

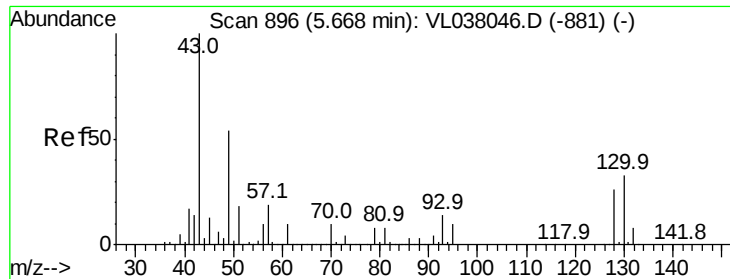
Instrument :
MSVOA_L
ClientSampleId :
15-JOHN DL

Manual Integrations
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Quant Time: Nov 19 08:07:30 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
Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 11/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: 15-JOHNDL

Acq: 18 Nov 2021 21:45

Tot Ion:

Ion Ratio

49 100

128 48.

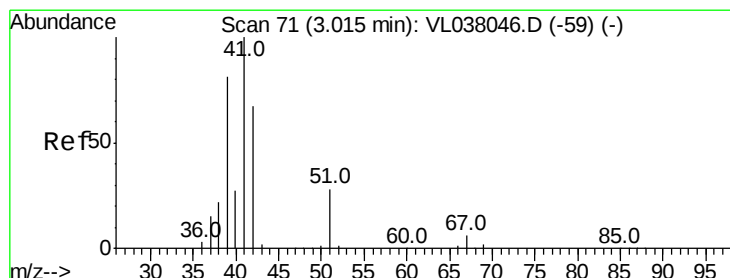
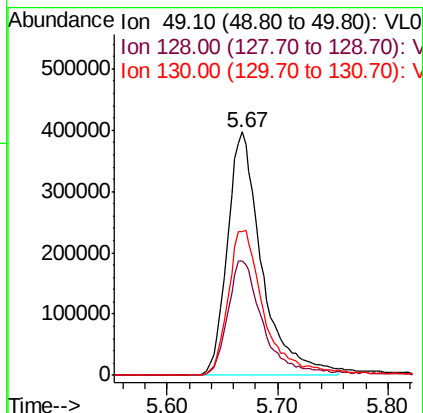
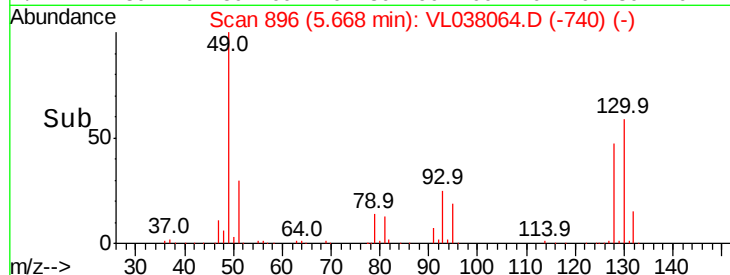
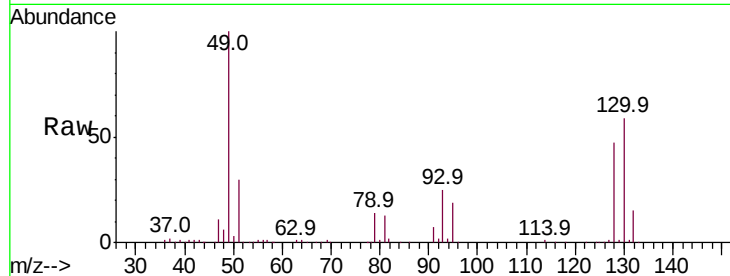
130 64.

Manual Integrations

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#9

Propene

Concen: 3.169 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL038064.D

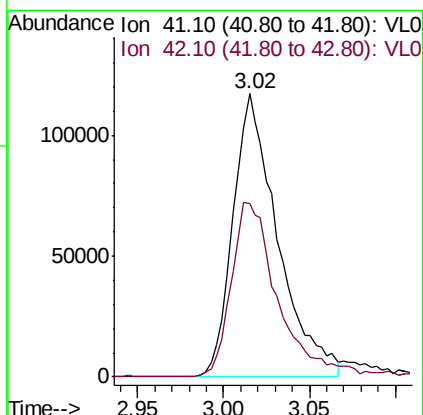
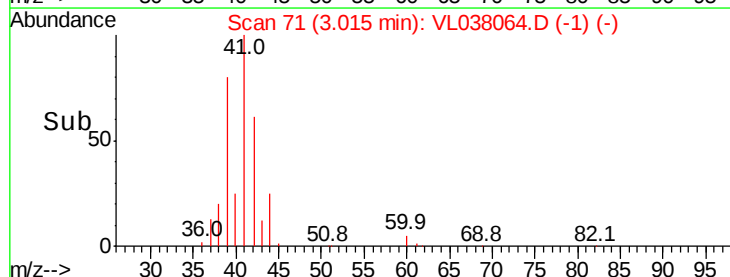
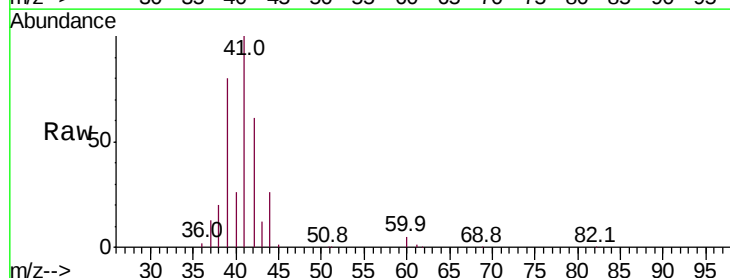
Acq: 18 Nov 2021 21:45

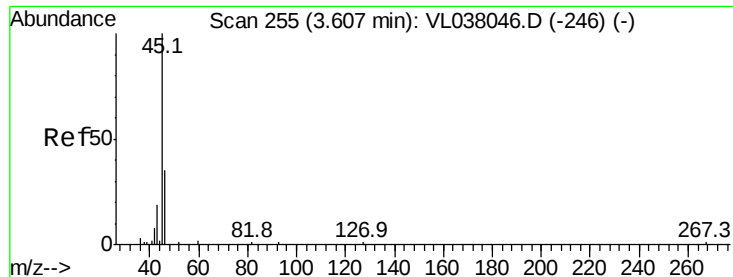
Tgt Ion: 41 Resp: 211728

Ion Ratio Lower Upper

41 100

42 65.2 53.8 80.8



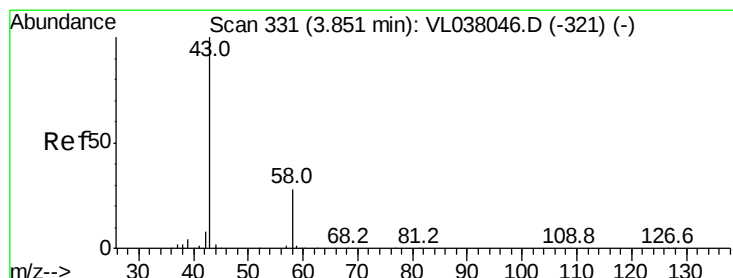
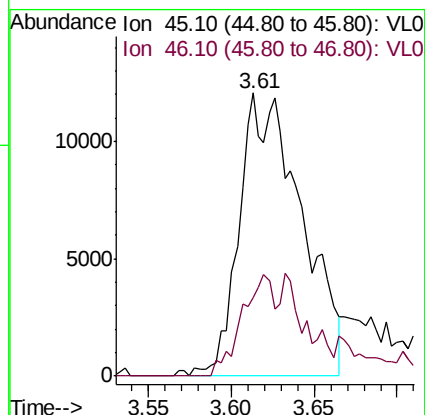
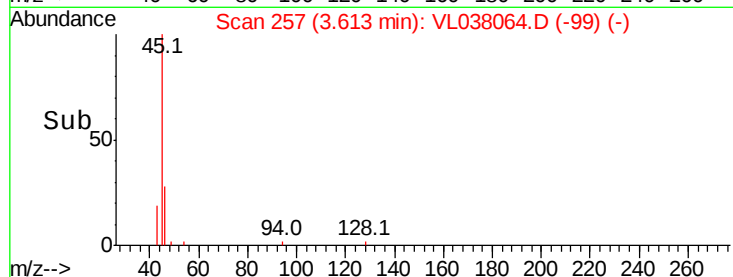
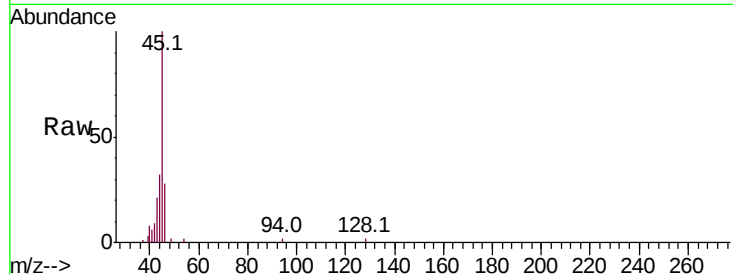


#13
Ethanol
Concen: 4.871 ppbv m
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 21:45

Tot Ion:
Ion Ratio
45 100
46 0.

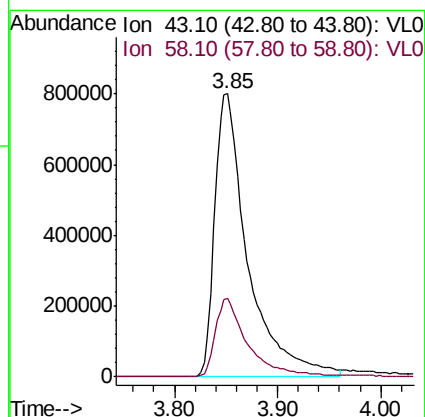
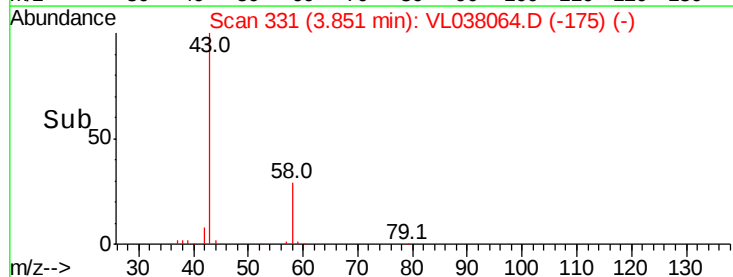
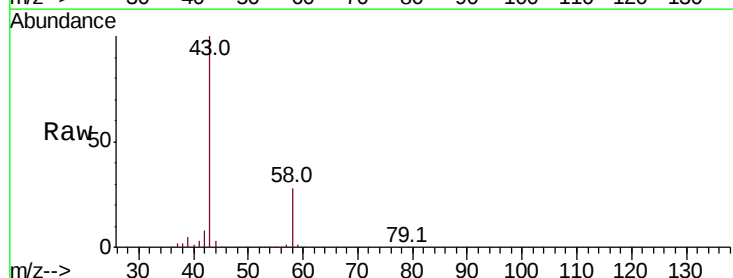
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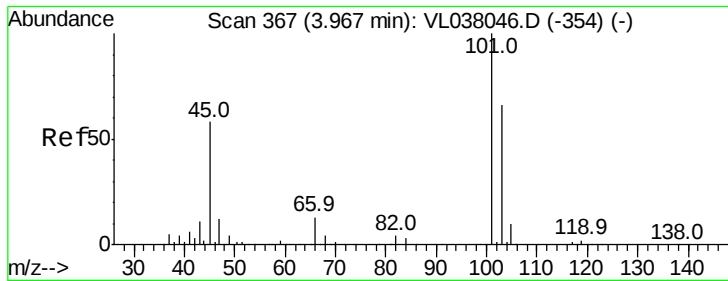
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#15
Acetone
Concen: 23.829 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL038064.D
Acq: 18 Nov 2021 21:45

Tgt Ion: 43 Resp: 1784672
Ion Ratio Lower Upper
43 100
58 28.4 22.4 33.6





#19

Isopropyl Alcohol

Concen: 0.527 ppbv m

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 21:45

Tot Ion:

Ion Ratio

45 100

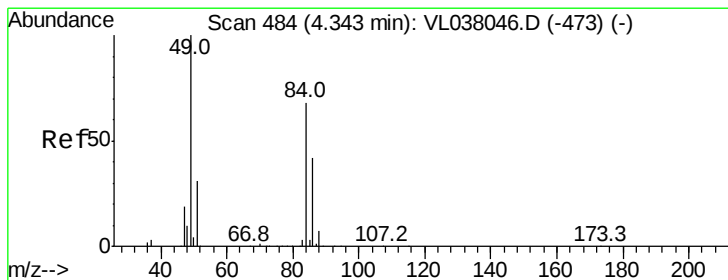
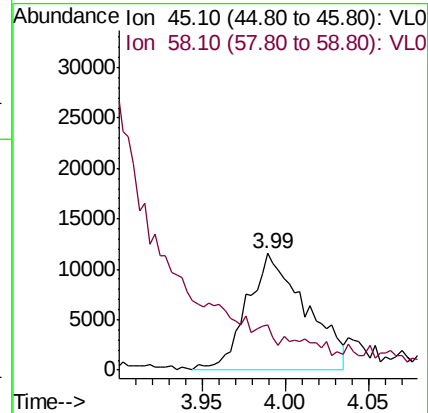
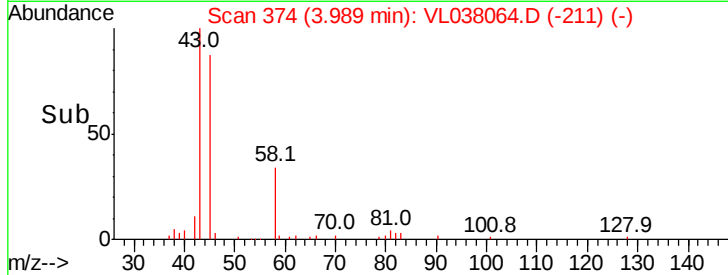
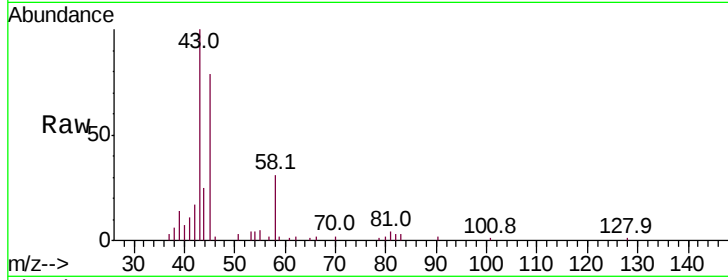
58 0.

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#20

Methylene Chloride

Concen: 0.471 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038064.D

Acq: 18 Nov 2021 21:45

Tgt Ion: 84 Resp: 19742

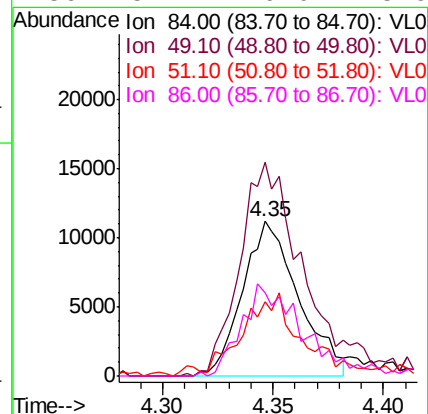
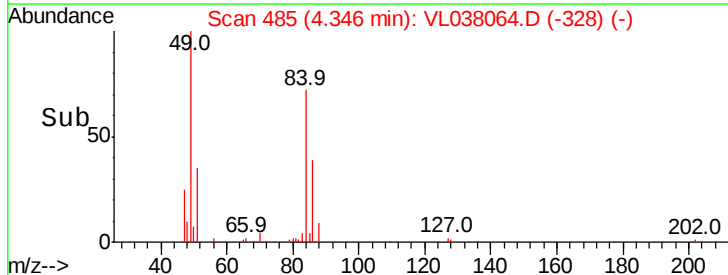
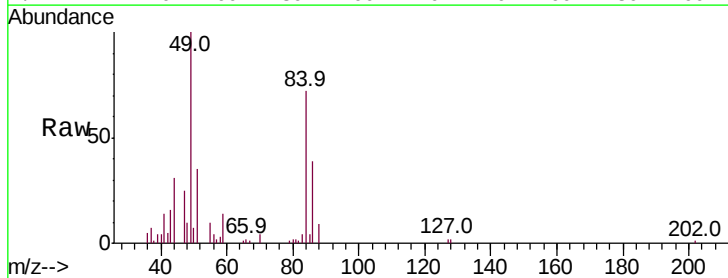
Ion Ratio Lower Upper

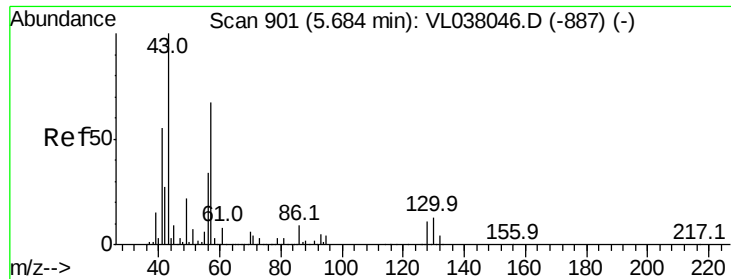
84 100

49 138.1 118.2 177.2

51 42.4 36.8 55.2

86 54.1 49.0 73.6





#26

Hexane

Concen: 0.302 ppbv m

RT: 5.69 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 21:45

Tot Ion:

Ion Ratio

57 100

41 113.

43 81.

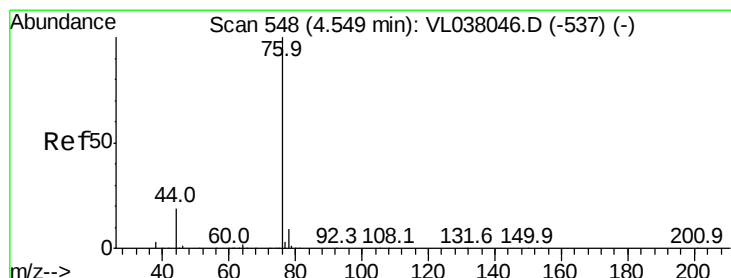
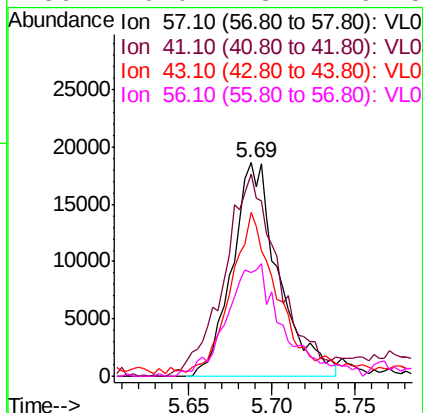
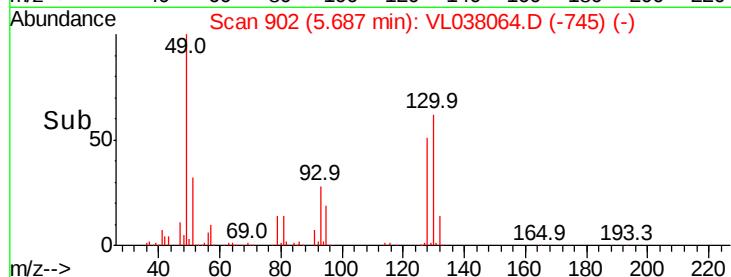
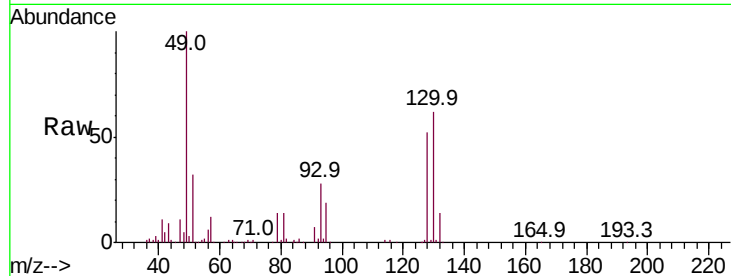
56 0.0 43.2 64.8#

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Supervised By :Mahesh Dadoda 11/29/2021



#27

Carbon Disulfide

Concen: 0.134 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL038064.D

Acq: 18 Nov 2021 21:45

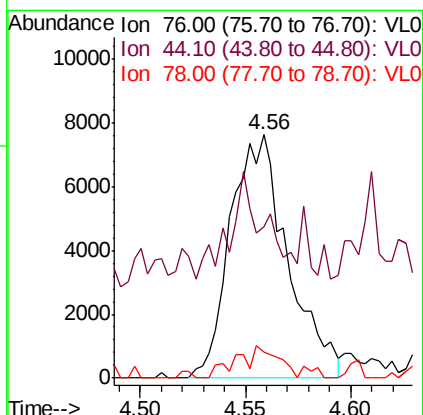
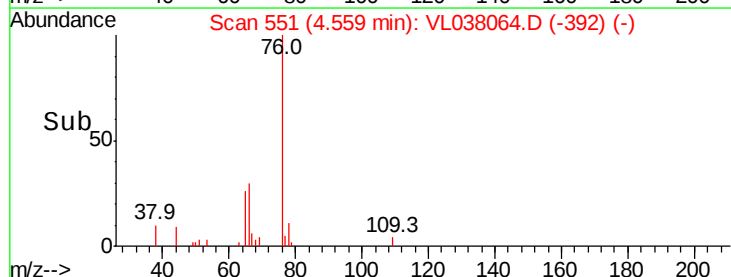
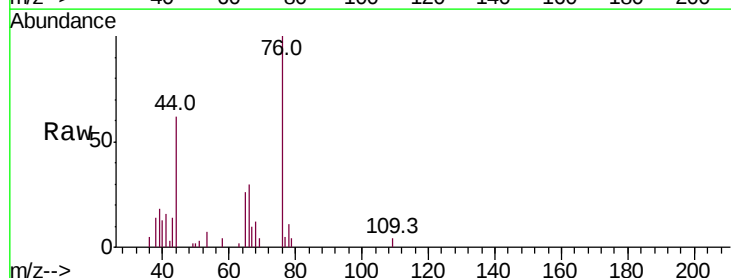
Tgt Ion: 76 Resp: 14384

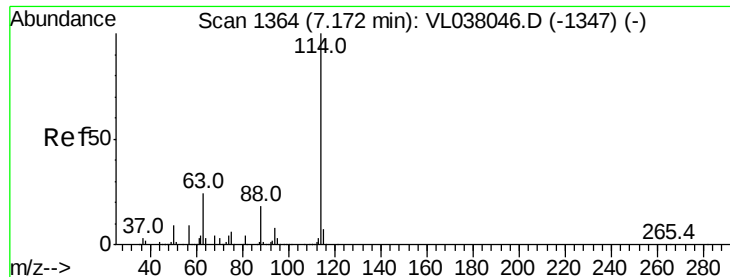
Ion Ratio Lower Upper

76 100

44 39.3 14.9 22.3#

78 12.9 7.6 11.4#



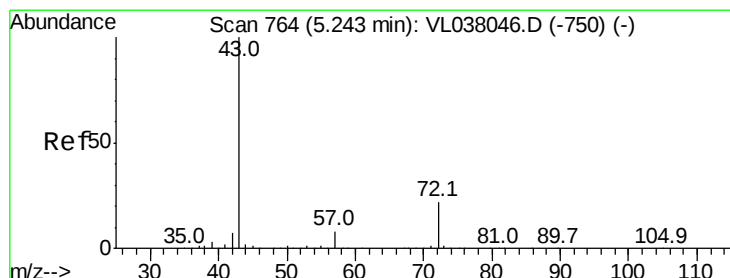
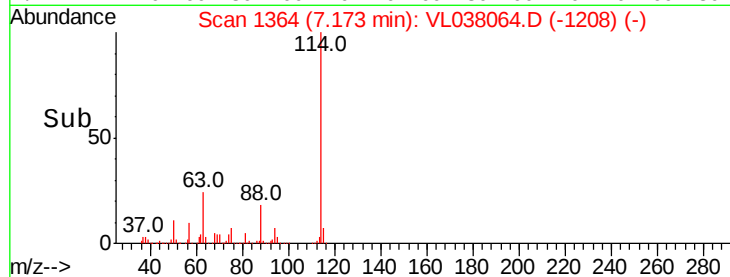
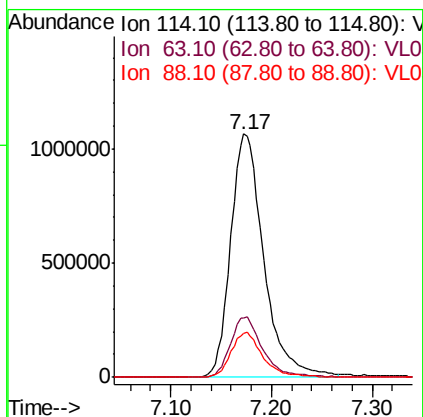
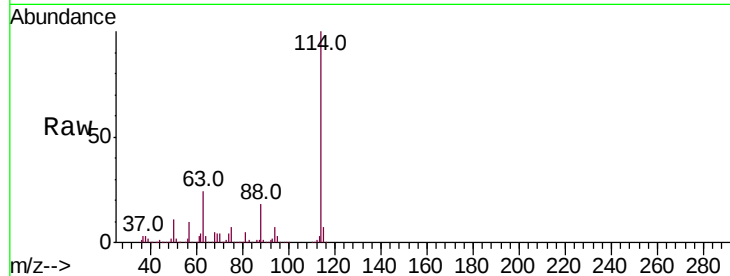


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 21:45

Tot Ion:1
 Ion Rati
 114 100
 63 24.
 88 18.

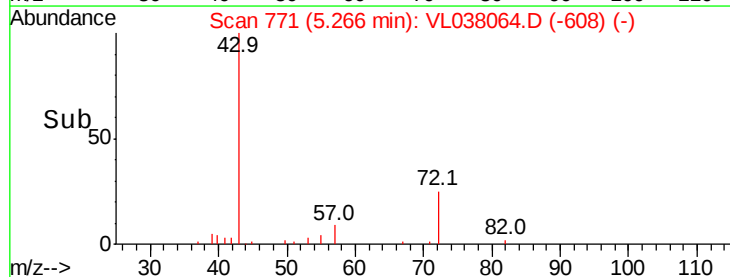
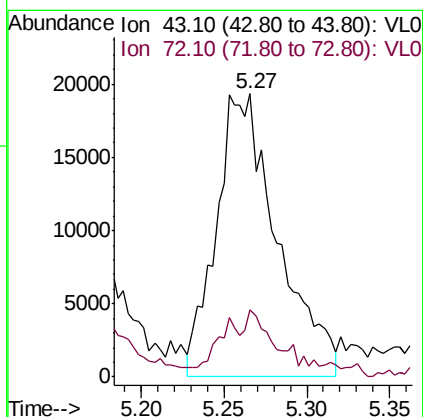
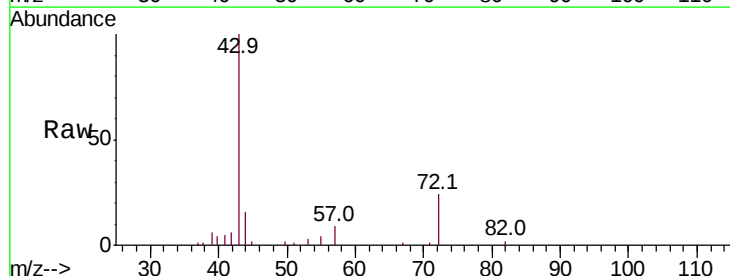
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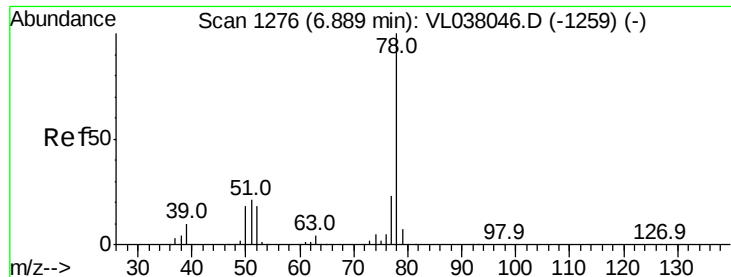
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#34
 2-Butanone
 Concen: 0.508 ppbv m
 RT: 5.27 min Scan# 771
 Delta R.T. 0.02 min
 Lab File: VL038064.D
 Acq: 18 Nov 2021 21:45

Tgt Ion: 43 Resp: 50027
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.8 28.2#



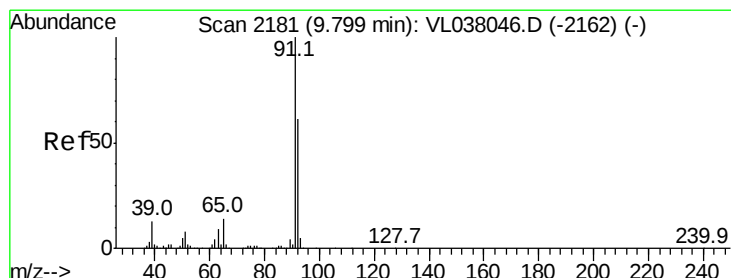
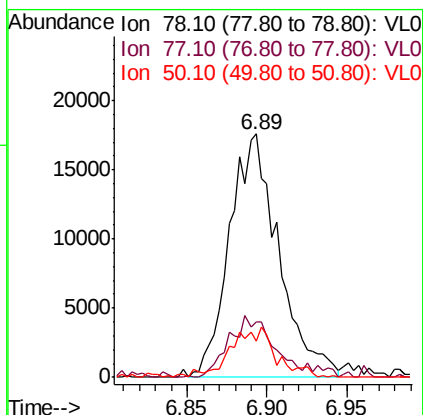
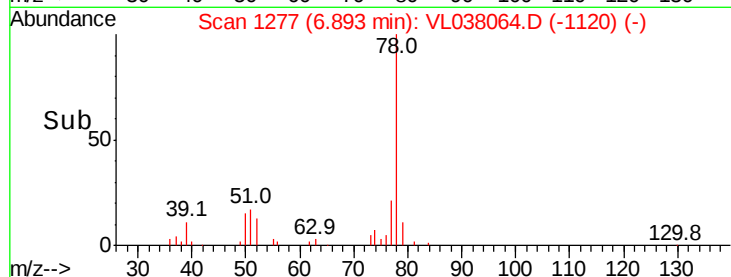
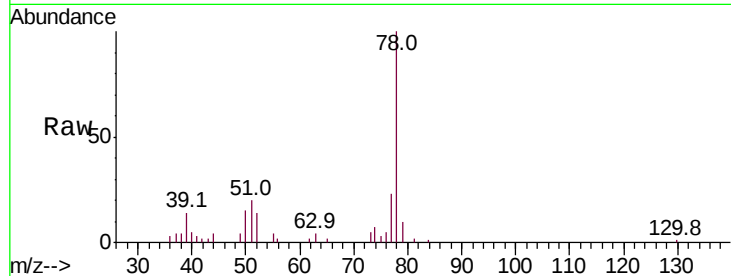


#36
Benzene
Concen: 0.152 ppbv
RT: 6.89
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Nov 2021 21:45

Tot Ion:
Ion Ratio
78 100
77 23.
50 15.

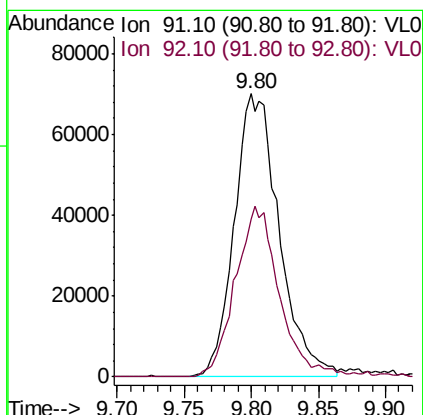
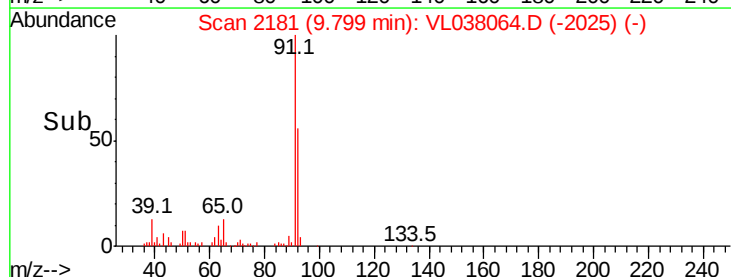
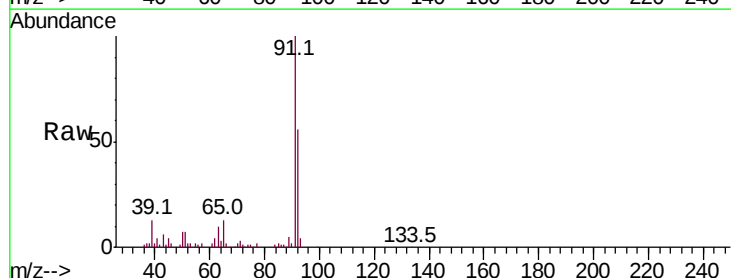
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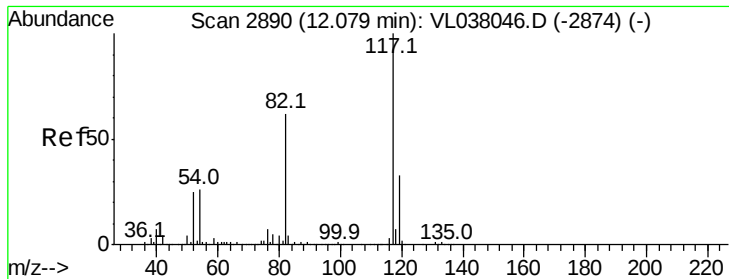
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#53
Toluene
Concen: 0.579 ppbv m
RT: 9.80 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL038064.D
Acq: 18 Nov 2021 21:45

Tgt Ion: 91 Resp: 162249
Ion Ratio Lower Upper
91 100
92 0.0 49.7 74.5#



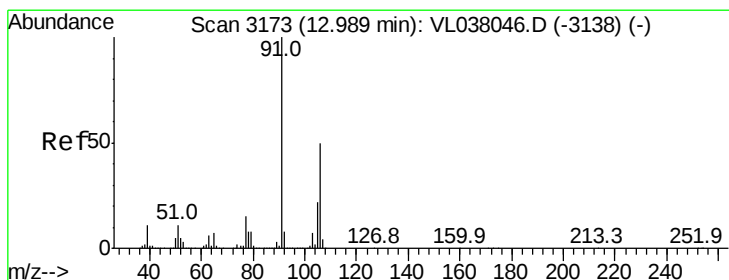
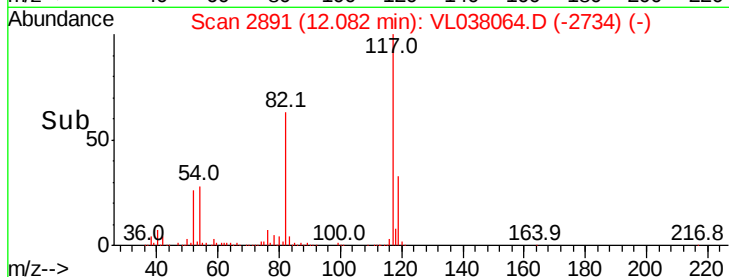
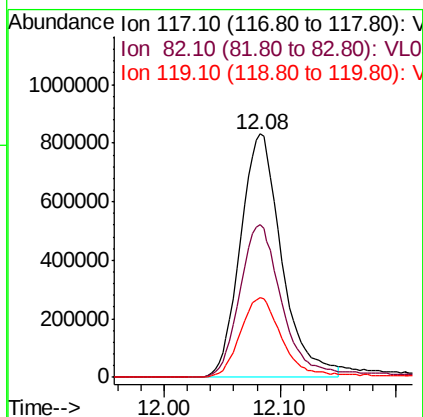
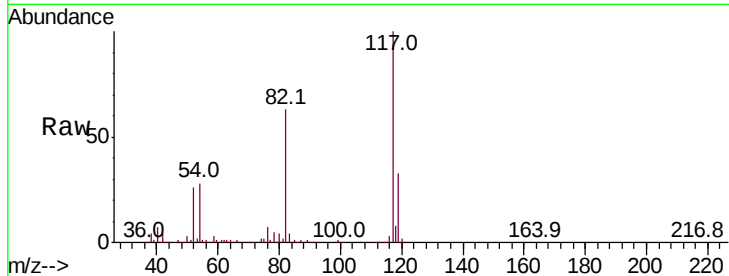


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 21:45

Tot Ion: 1
Ion Ratio
117 100
82 67.
119 34.

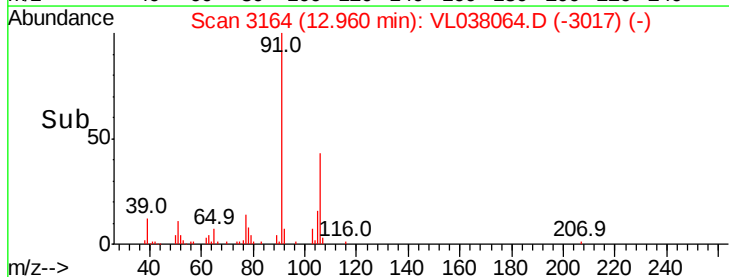
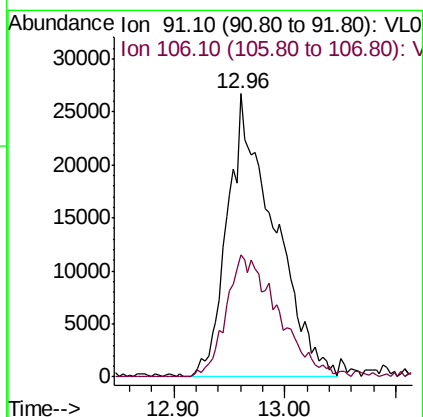
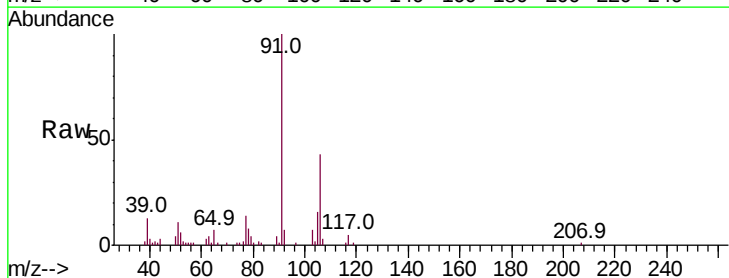
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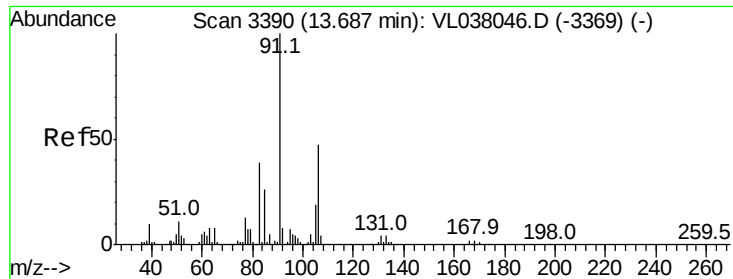
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#59
m/p-Xylene
Concen: 0.271 ppbv m
RT: 12.96 min Scan# 3164
Delta R.T. -0.03 min
Lab File: VL038064.D
Acq: 18 Nov 2021 21:45

Tgt Ion: 91 Resp: 77603
Ion Ratio Lower Upper
91 100
106 0.0 38.1 57.1#



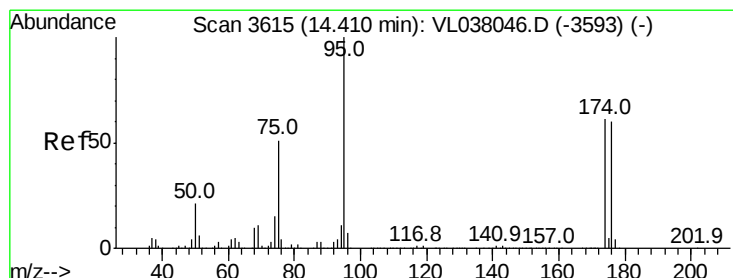
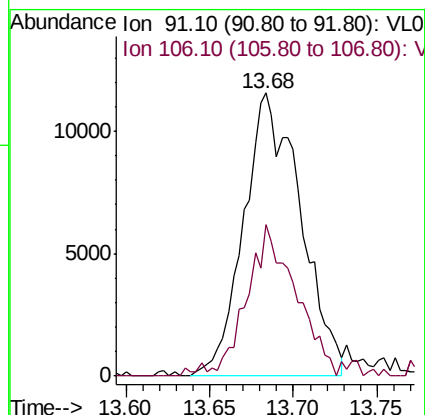
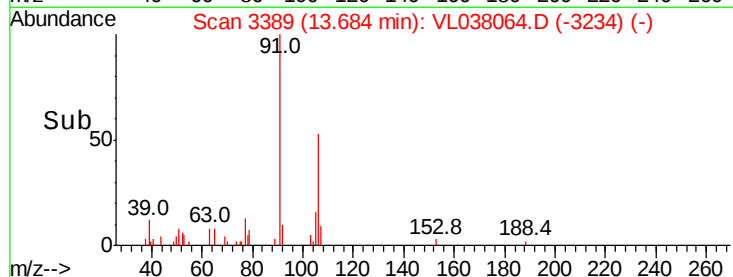
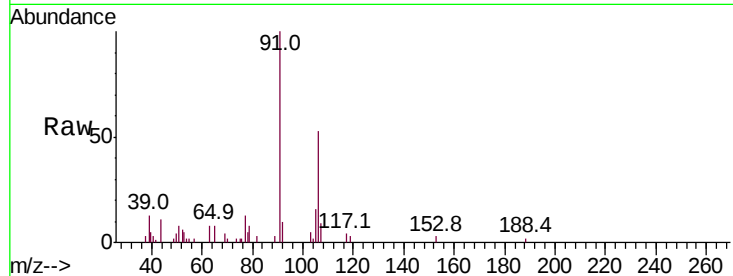


#60
o-Xylene
Concen: 0.103 ppbv m
RT: 13.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 21:45

Tot Ion:
Ion Ratio
91 100
106 0.

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.872 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. 0.00 min
Lab File: VL038064.D
Acq: 18 Nov 2021 21:45

Tgt Ion: 95 Resp: 1467654
Ion Ratio Lower Upper
95 100
174 68.7 53.1 79.7
175 4.9 4.0 6.0

