

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012422\
 Data File : VL038270.D
 Acq On : 24 Jan 2022 21:45
 Operator : SY/AP
 Sample : N1244-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SG-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/25/2022
 Supervised By :Mahesh Dadoda 01/26/2022

Quant Time: Jan 24 23:17:10 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	842027	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2212179	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1884003	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1396186	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	21828m	0.400	ppbv	
10) Heptane	8.14	43	35244m	0.251	ppbv	
13) Ethanol	3.61	45	662524	113.099	ppbv	98
15) Acetone	3.86	43	447387	6.027	ppbv	99
20) Methylene Chloride	4.36	84	16174m	0.375	ppbv	
26) Hexane	5.70	57	50203	0.519	ppbv #	45
34) 2-Butanone	5.26	43	10784m	0.149	ppbv	
36) Benzene	6.89	78	21689m	0.111	ppbv	
52) Tetrachloroethene	11.23	164	143283	2.125	ppbv	93
53) Toluene	9.81	91	242007	1.117	ppbv	97
59) m/p-Xylene	12.97	91	68402m	0.290	ppbv	

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

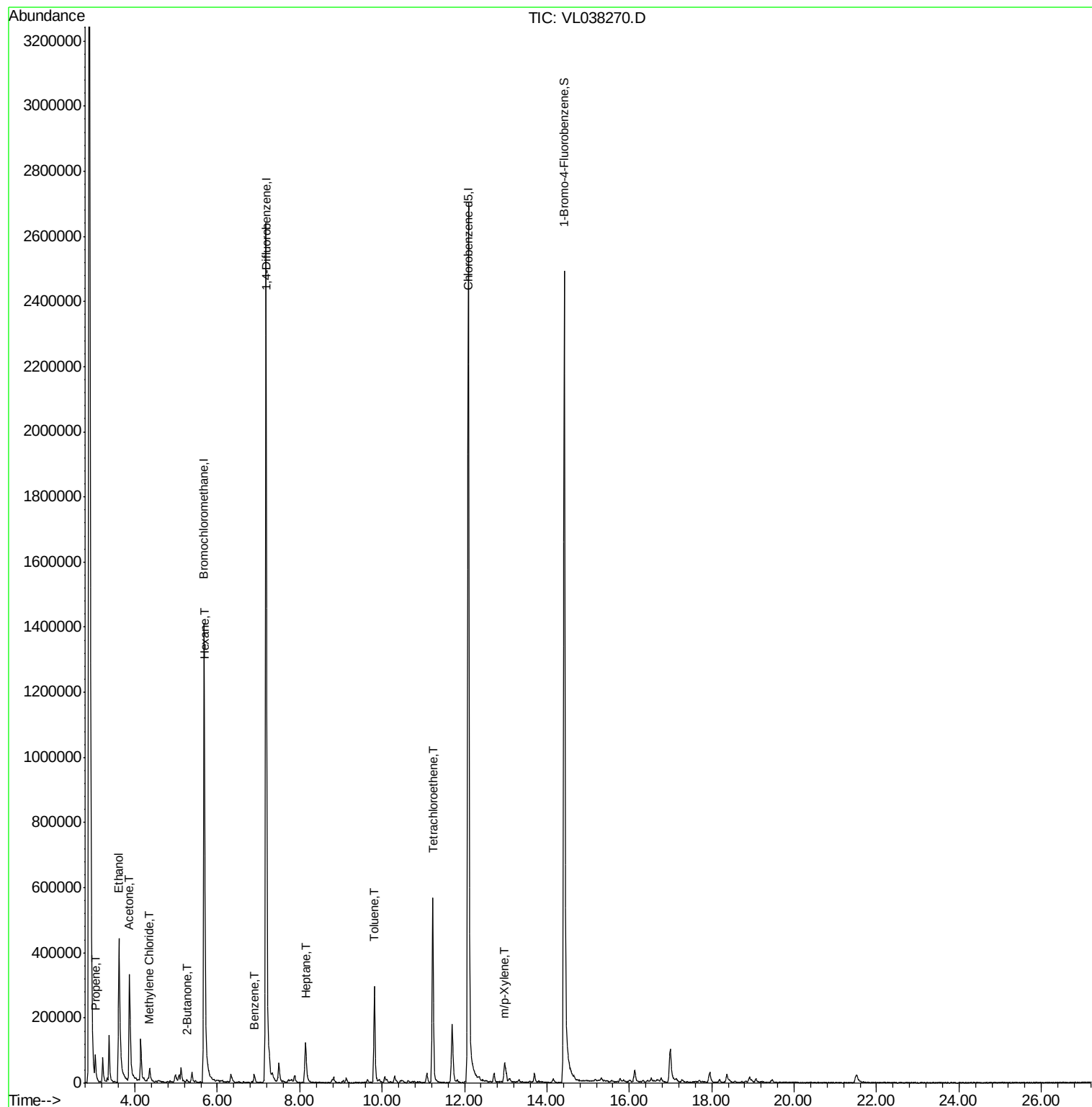
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012422\
Data File : VL038270.D
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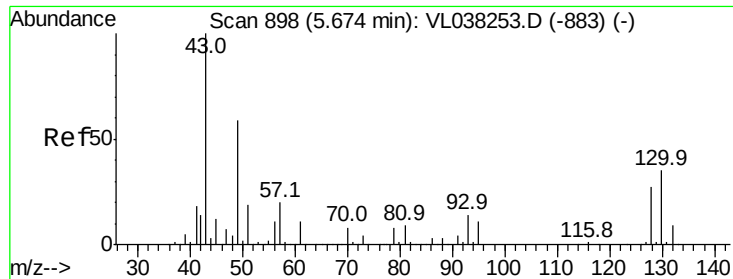
Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

Quant Time: Jan 24 23:17:10 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL012422\
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Supervised By :Mahesh Dadoda 01/26/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SG-1DL

Acq: 24 Jan 2022 21:45

Tot Ion:

Ion Ratio

49 100

128 46.

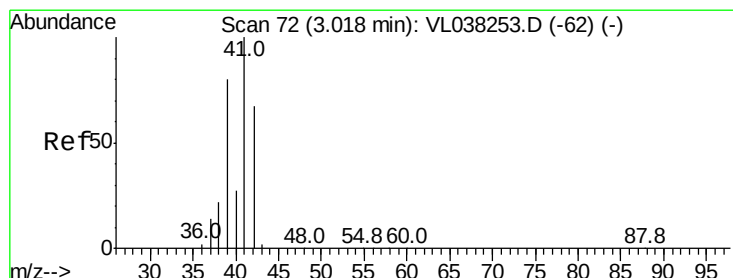
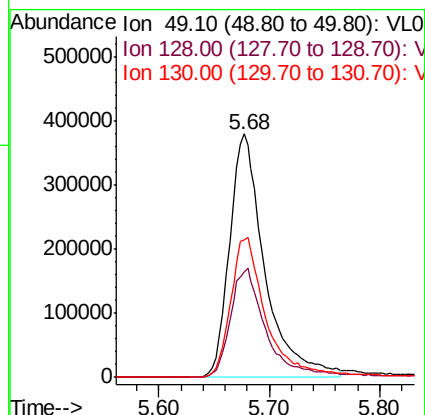
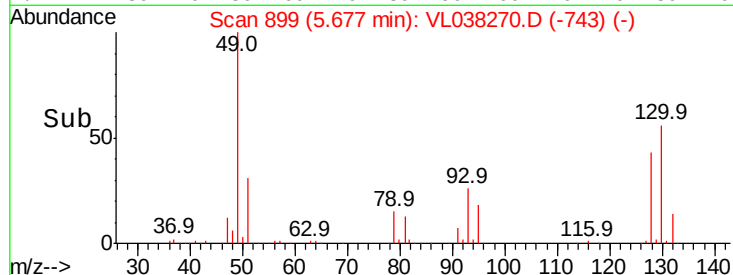
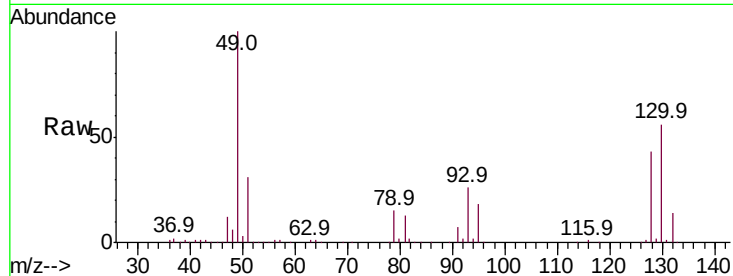
130 58.

Manual Integrations

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Supervised By :Mahesh Dadoda 01/26/2022



#9

Propene

Concen: 0.400 ppbv m

RT: 3.04 min Scan# 78

Delta R.T. 0.02 min

Lab File: VL038270.D

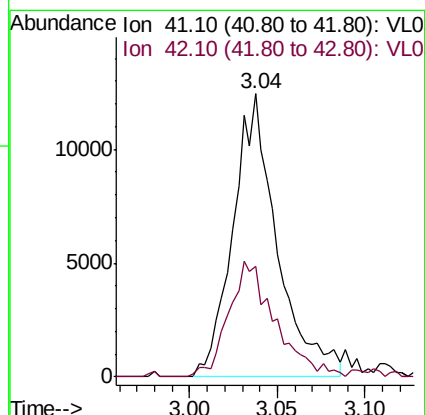
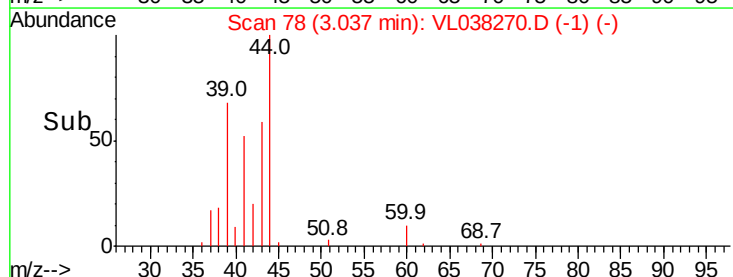
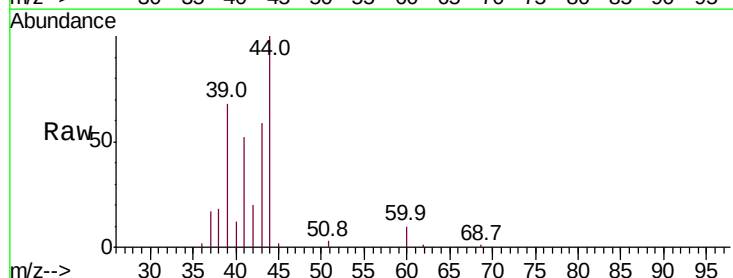
Acq: 24 Jan 2022 21:45

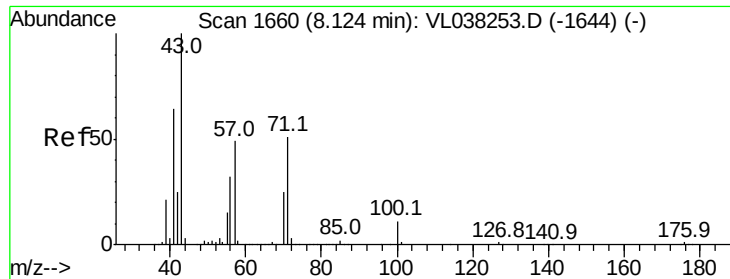
Tgt Ion: 41 Resp: 21828

Ion Ratio Lower Upper

41 100

42 83.7 54.9 82.3#





#10

Heptane

Concen: 0.251 ppbv m

RT: 8.14

Delta R.T.

Lab File:

Acq: 24 Jan 2022 21:45

Instrument :

MSVOA_1

ClientSampleId :

SG-1DL

Tot Ion:

Ion Ratio

43 100

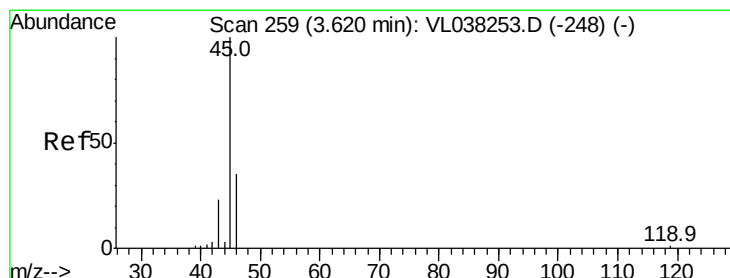
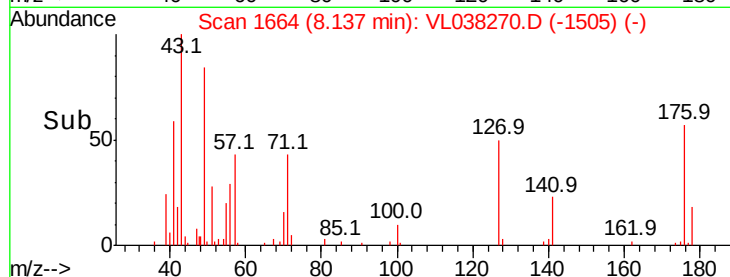
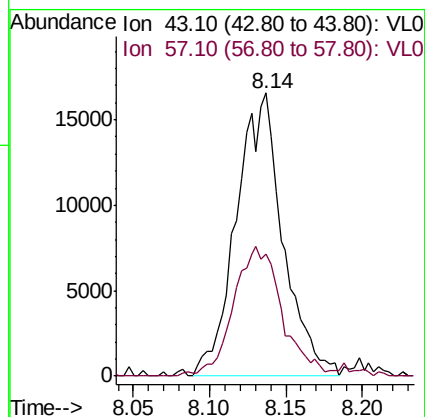
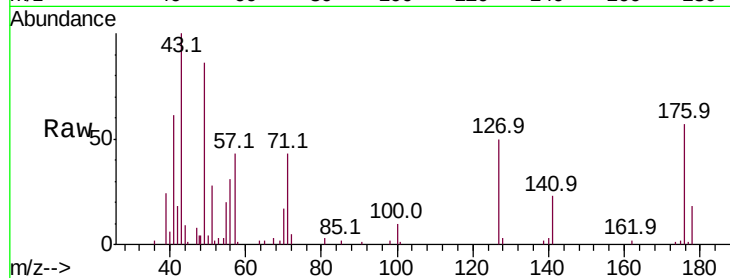
57 49.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#13

Ethanol

Concen: 113.099 ppbv

RT: 3.61 min Scan# 257

Delta R.T. -0.01 min

Lab File: VL038270.D

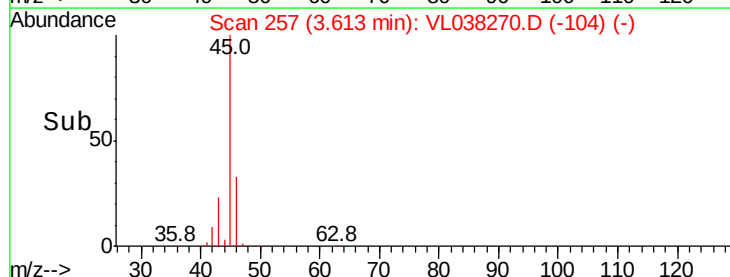
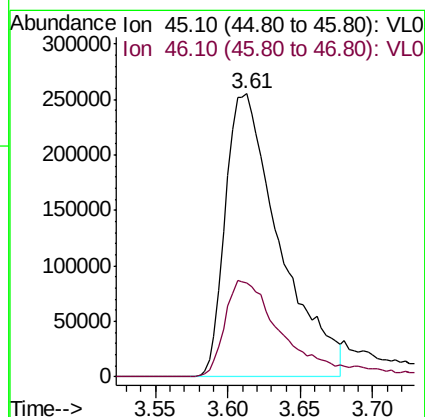
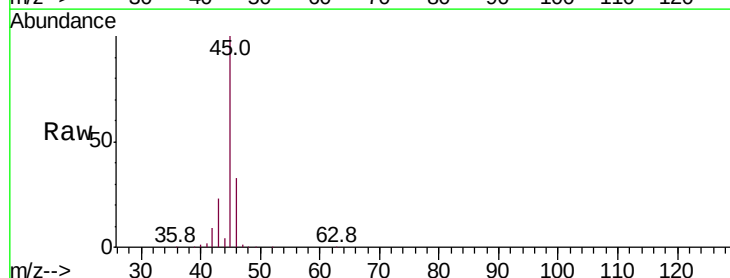
Acq: 24 Jan 2022 21:45

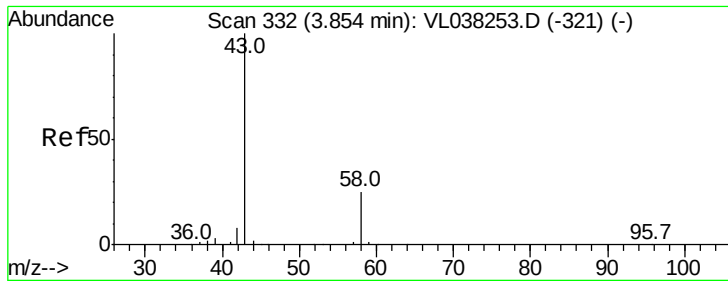
Tgt Ion: 45 Resp: 662524

Ion Ratio Lower Upper

45 100

46 39.5 15.4 61.6





#15

Acetone

Concen: 6.027 ppbv

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 21:45

Tot Ion:

Ion Ratio

43 100

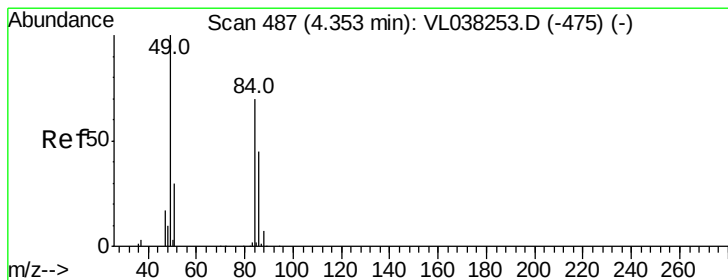
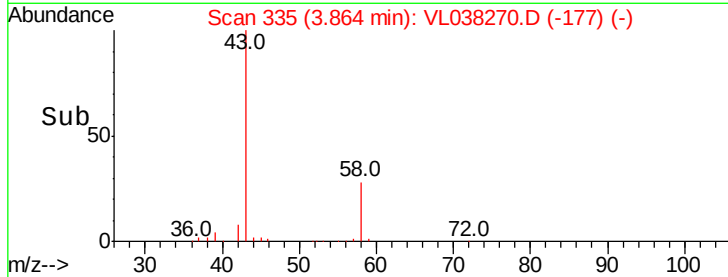
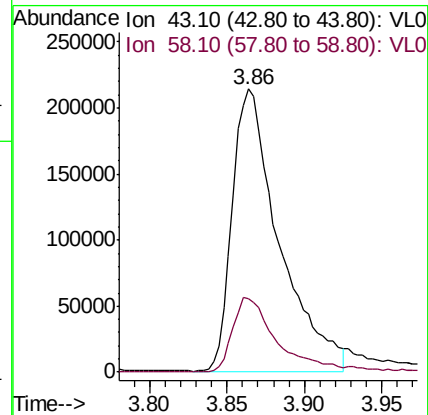
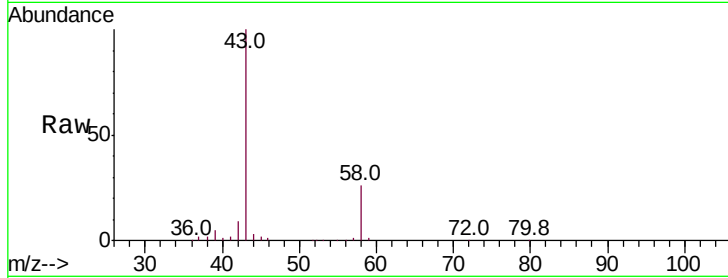
58 27.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/25/2022

Supervised By :Mahesh Dadoda 01/26/2022



#20

Methylene Chloride

Concen: 0.375 ppbv m

RT: 4.36 min Scan# 490

Delta R.T. 0.01 min

Lab File: VL038270.D

Acq: 24 Jan 2022 21:45

Tgt Ion: 84 Resp: 16174

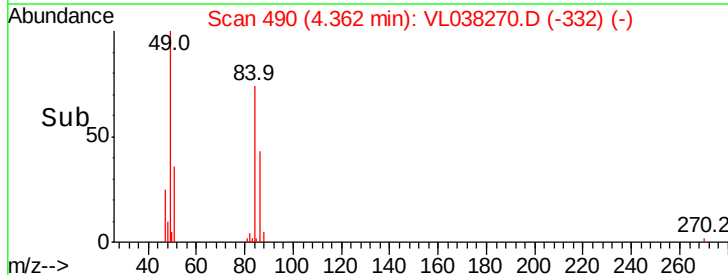
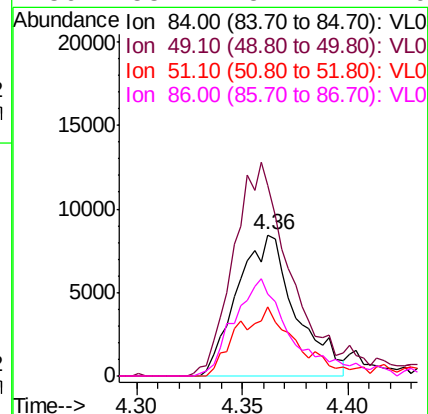
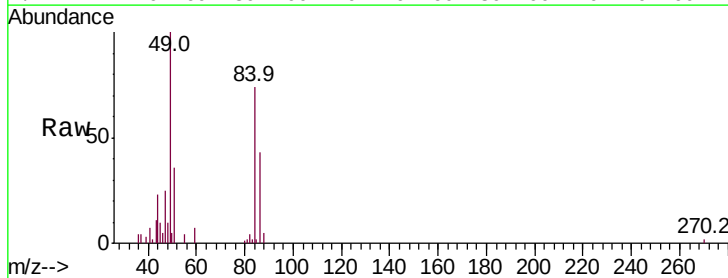
Ion Ratio Lower Upper

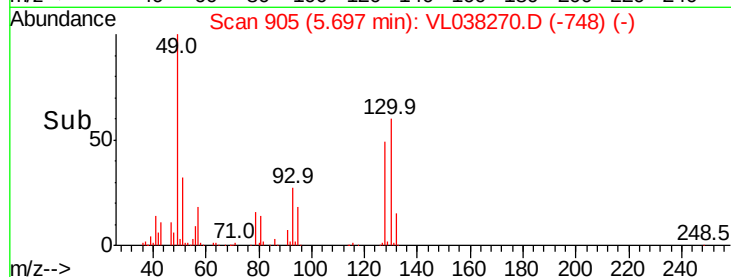
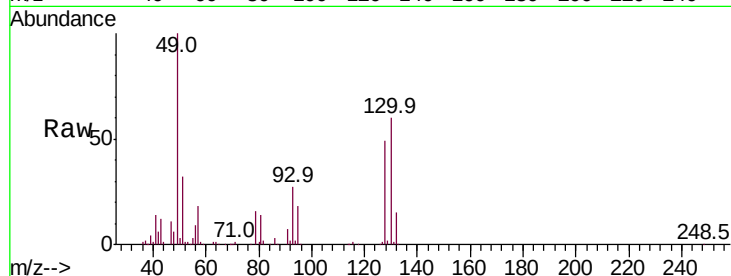
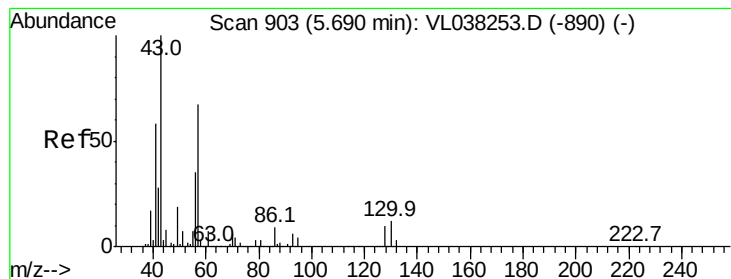
84 100

49 135.4 115.0 172.6

51 49.0 35.0 52.6

86 58.2 51.4 77.0





#26

Hexane

Concen: 0.519 ppbv

RT: 5.70

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 21:45

Tot Ion:

Ion Ratio

57 100

41 99.

43 81.

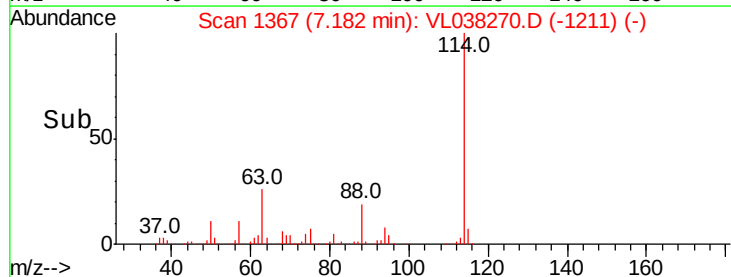
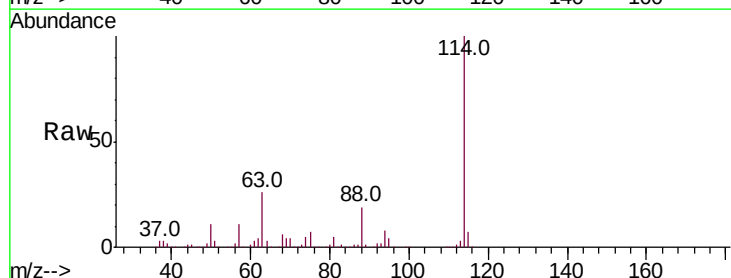
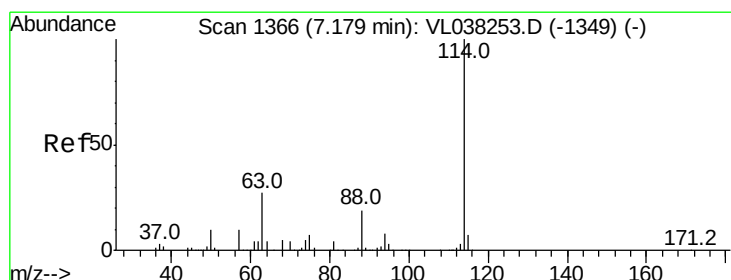
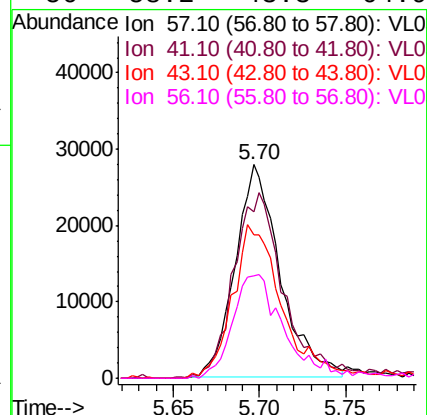
56 58.2 43.3 64.9

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Supervised By :Mahesh Dadoda 01/26/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VL038270.D

Acq: 24 Jan 2022 21:45

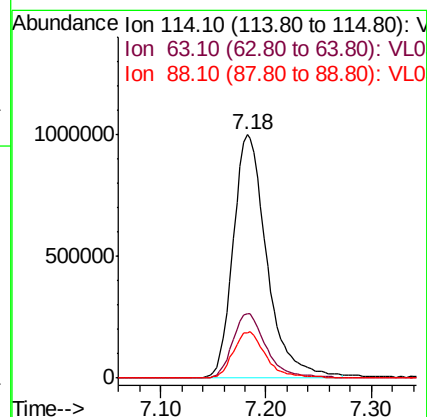
Tgt Ion:114 Resp: 2212179

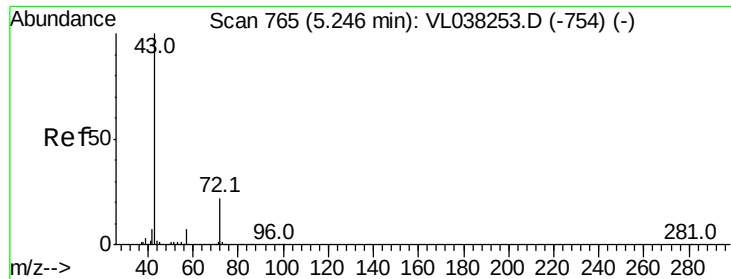
Ion Ratio Lower Upper

114 100

63 27.1 22.0 33.0

88 18.9 15.0 22.6



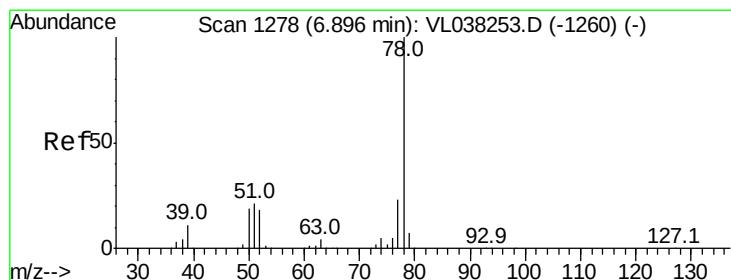
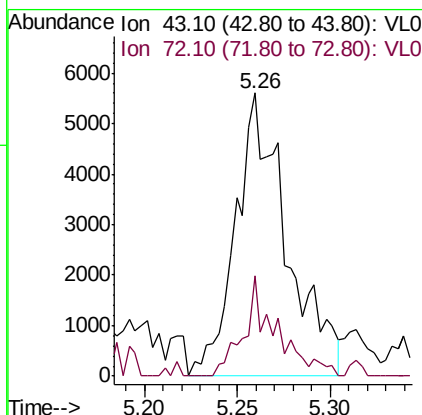
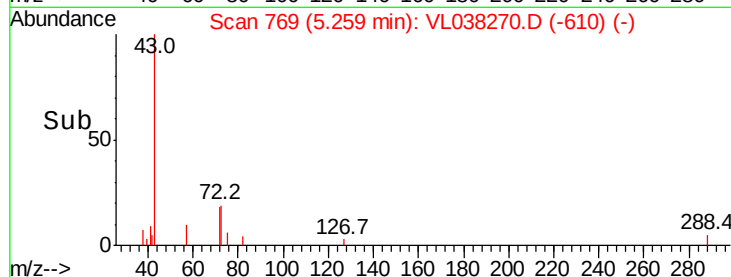
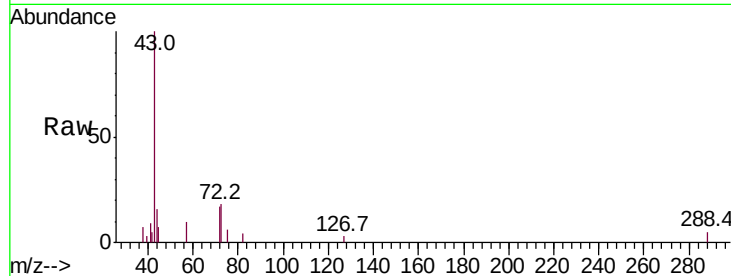


#34
2-Butanone
Concen: 0.149 ppbv m
RT: 5.26
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Jan 2022 21:45

Tot Ion:
Ion Ratio
43 100
72 23.

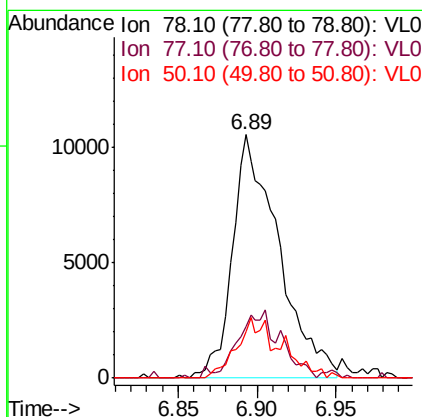
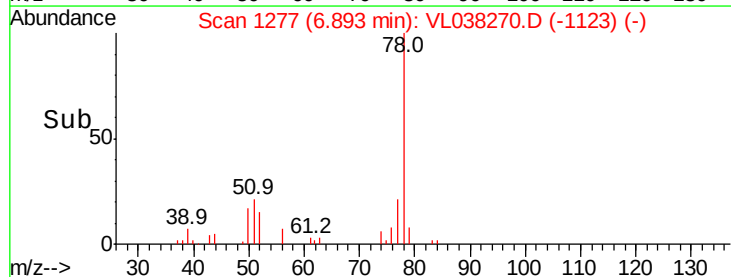
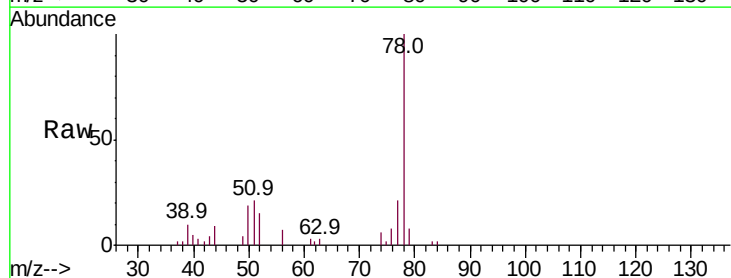
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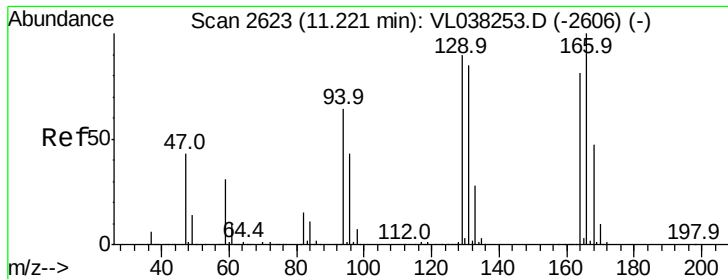
Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#36
Benzene
Concen: 0.111 ppbv m
RT: 6.89 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VL038270.D
Acq: 24 Jan 2022 21:45

Tgt Ion: 78 Resp: 21689
Ion Ratio Lower Upper
78 100
77 20.9 18.2 27.2
50 19.1 15.1 22.7





#52

Tetrachloroethene

Concen: 2.125 ppbv

RT: 11.23

Delta R.T. MSVOA_L

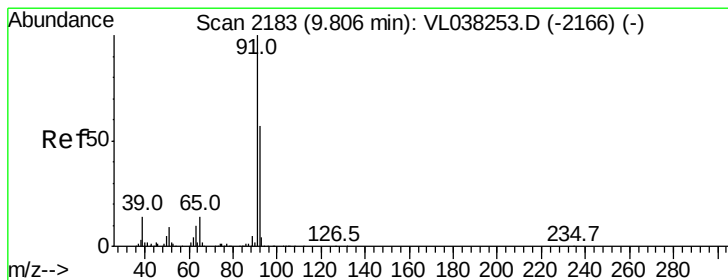
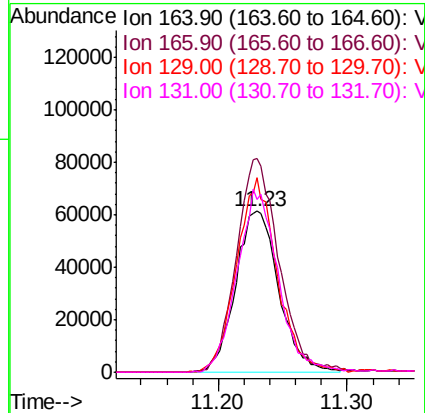
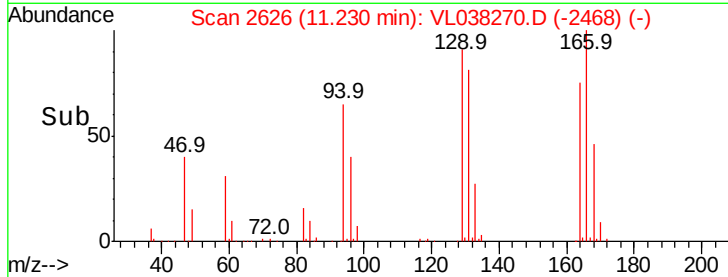
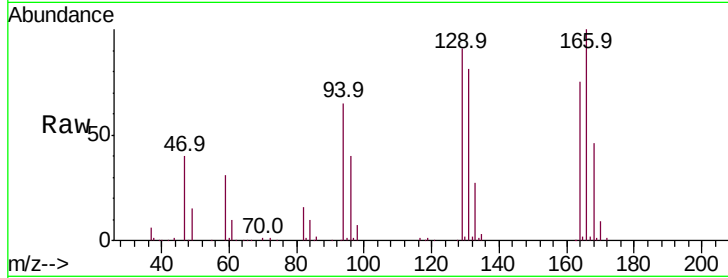
Lab File: ClientSampleId :

Acq: 24 Jan 2022 21:45

Tot Ion: 1
Ion Ratio
164 100
166 132.
129 120.
131 107.4 83.6 125.4

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Reviewed By :Semsettin Yesilyurt 01/25/2022
Supervised By :Mahesh Dadoda 01/26/2022



#53

Toluene

Concen: 1.117 ppbv

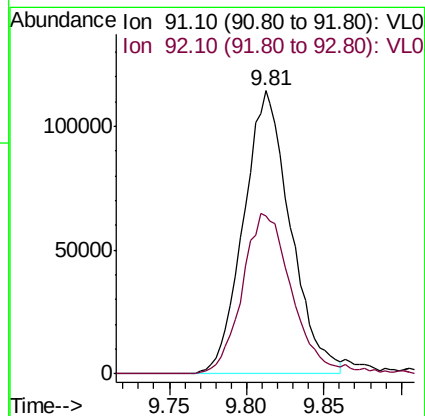
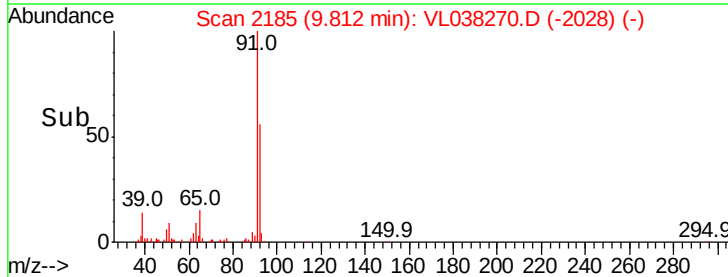
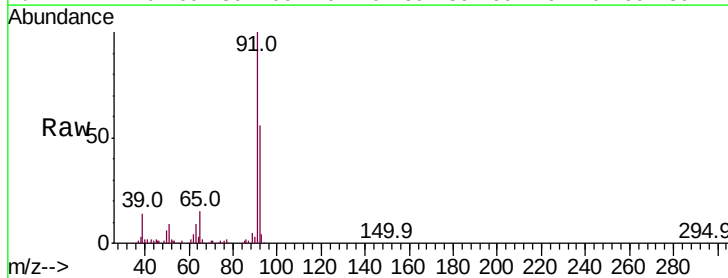
RT: 9.81 min Scan# 2185

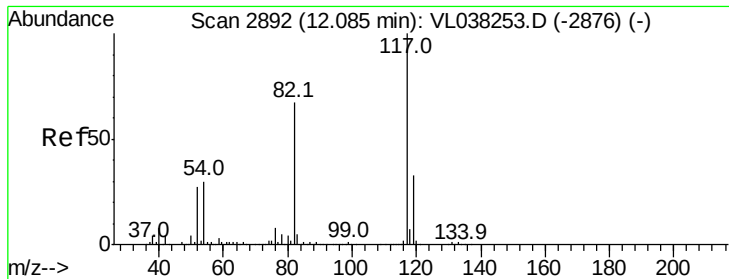
Delta R.T. 0.01 min

Lab File: VL038270.D

Acq: 24 Jan 2022 21:45

Tgt Ion: 91 Resp: 242007
Ion Ratio Lower Upper
91 100
92 61.6 47.4 71.0



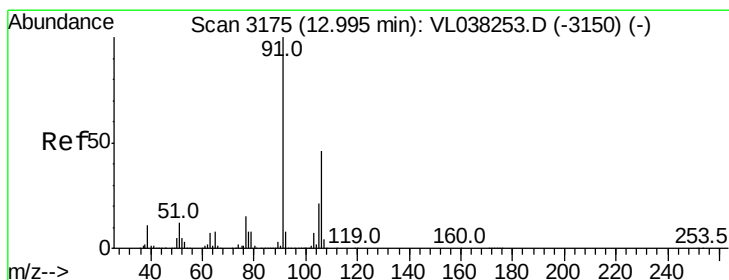
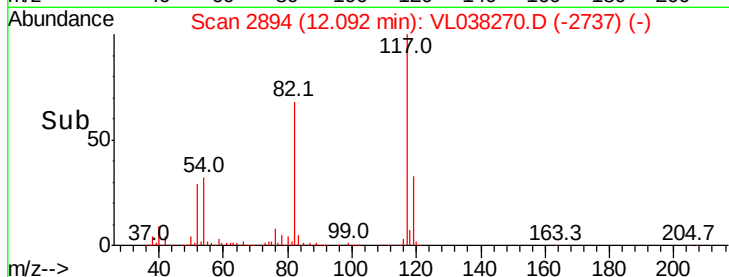
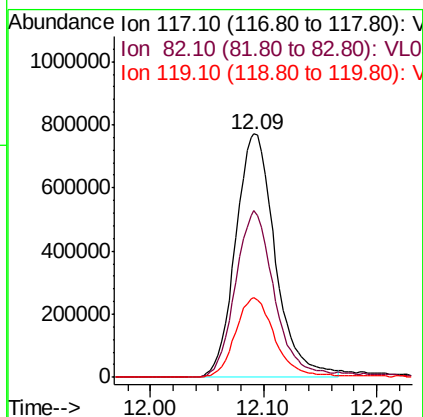
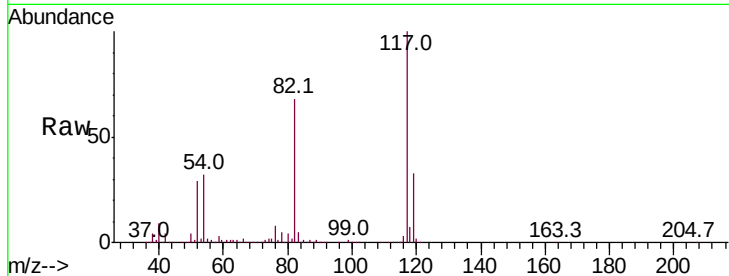


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Jan 2022 21:45

Tot Ion: 1
Ion Ratio
117 100
82 70.
119 34.

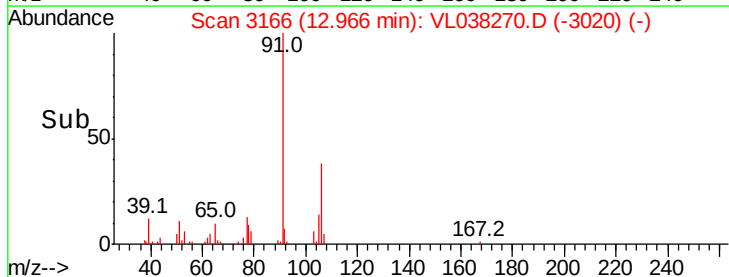
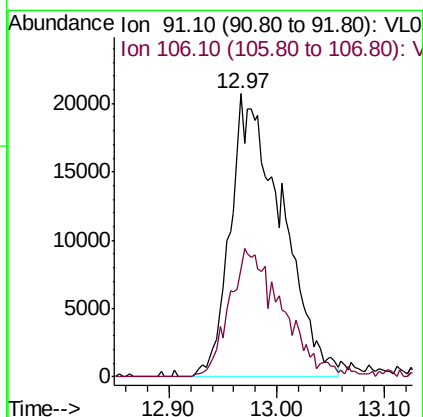
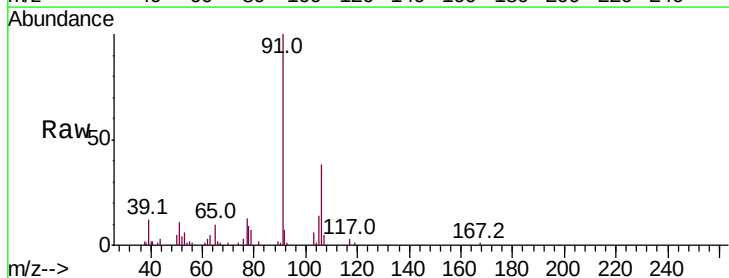
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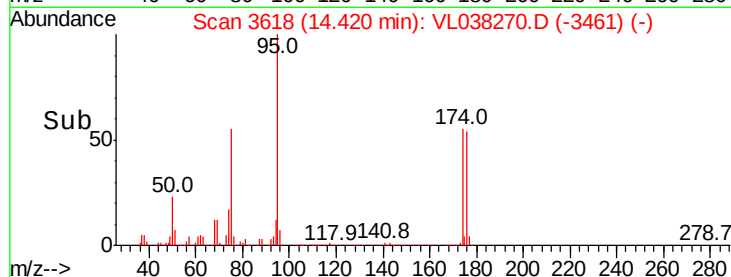
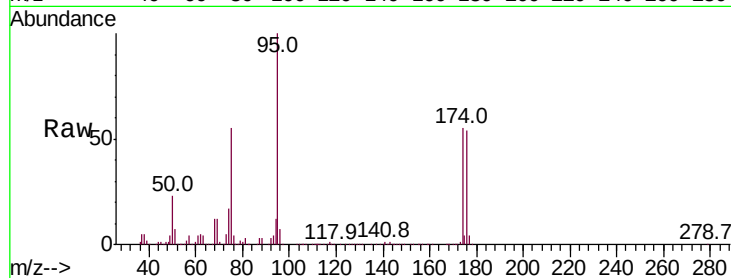
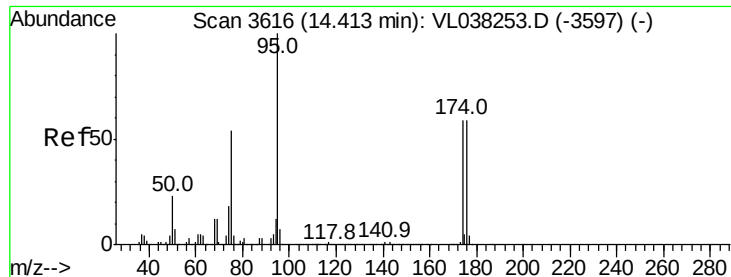
Reviewed By : Semsettin Yesilyurt 01/25/2022
Supervised By : Mahesh Dadoda 01/26/2022



#59
m/p-Xylene
Concen: 0.290 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.03 min
Lab File: VL038270.D
Acq: 24 Jan 2022 21:45

Tgt Ion: 91 Resp: 68402
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.764 ppbv

RT: 14.42

Delta R.T

Lab File: ClientSampleId :

Acq: 24 Jan 2022 21:45

Tot Ion:

Ion Ratio

95 100

174 62.

175 4.

Manual Integrations

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Supervised By :Mahesh Dadoda 01/26/2022

