

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038180.D
 Acq On : 15 Dec 2021 9:01
 Operator : SY/AP
 Sample : M5075-03DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 AA-DSEDL

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021

Quant Time: Dec 15 13:57:08 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	5.63	49	1000143	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2688372	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.03	117	2371754	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.36	95	1878801	10.98	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	7350m	0.983	ppbv	
15) Acetone	3.84	43	17857	0.206	ppbv	# 85
20) Methylene Chloride	4.31	84	47420	0.976	ppbv	94
26) Hexane	5.65	57	28155m	0.203	ppbv	
61) Styrene	13.47	104	794587	4.841	ppbv	90

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

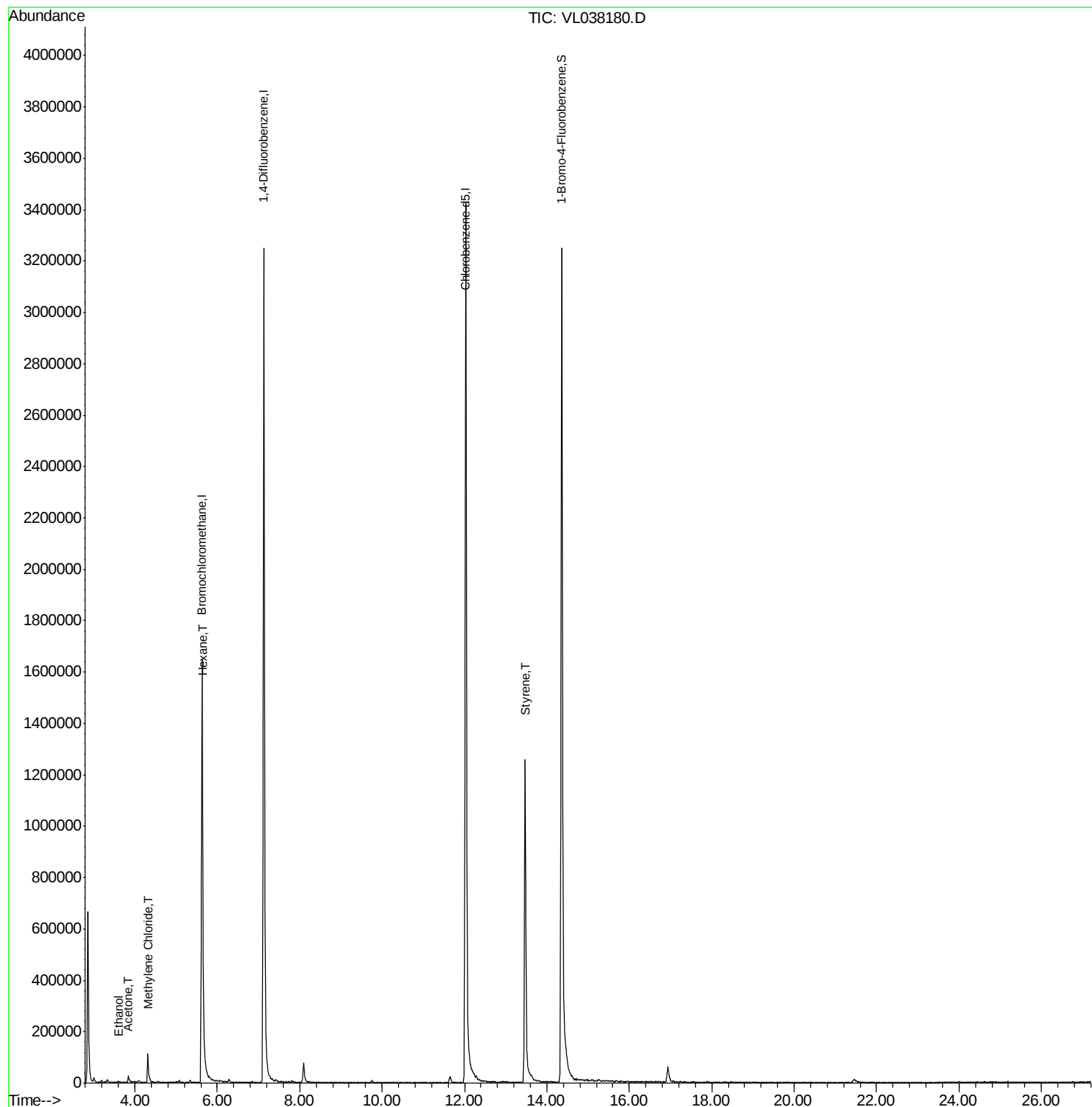
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121421\
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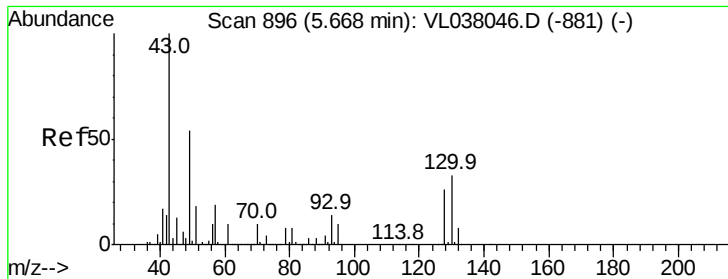
Instrument :
MSVOA_L
ClientSampleId :
AA-DSEDL

Quant Time: Dec 15 13:57:08 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 9:01

Tot Ion:

Ion Ratio

49 100

128 47.

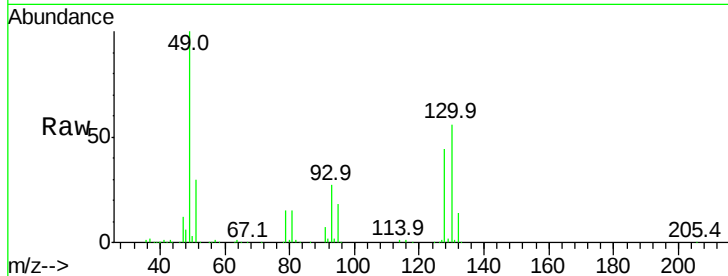
130 62.

Manual Integrations

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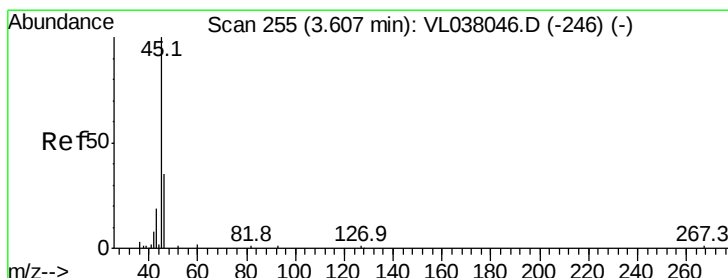
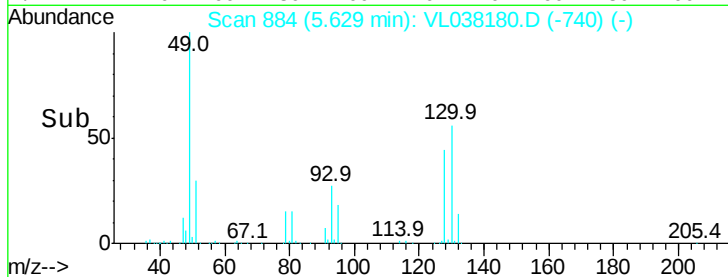
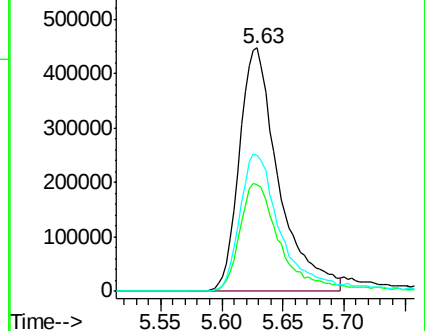
Supervised By :Semsettin Yesilyurt 12/16/2021



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 0.983 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL038180.D

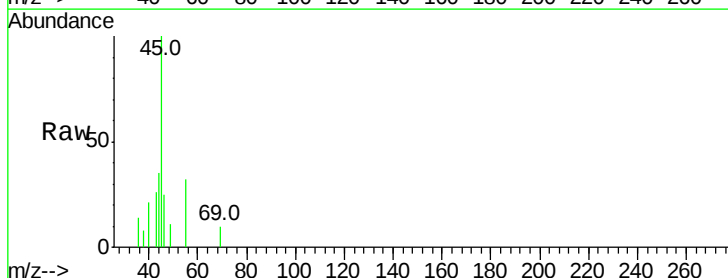
Acq: 15 Dec 2021 9:01

Tgt Ion: 45 Resp: 7350

Ion Ratio Lower Upper

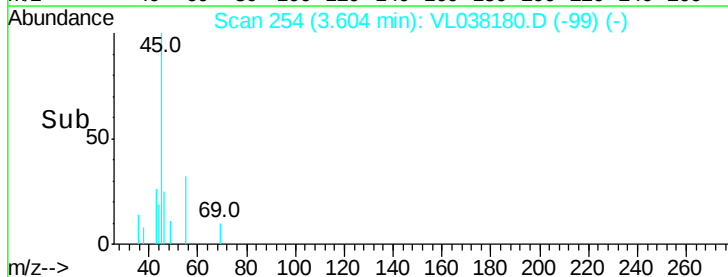
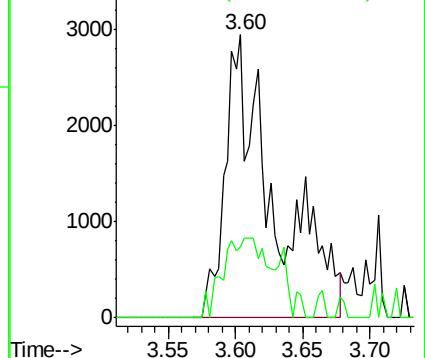
45 100

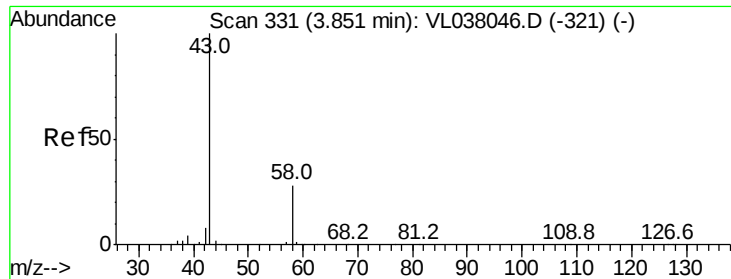
46 0.0 17.6 70.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.206 ppbv

RT: 3.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 9:01

Tot Ion:

Ion Ratio

43 100

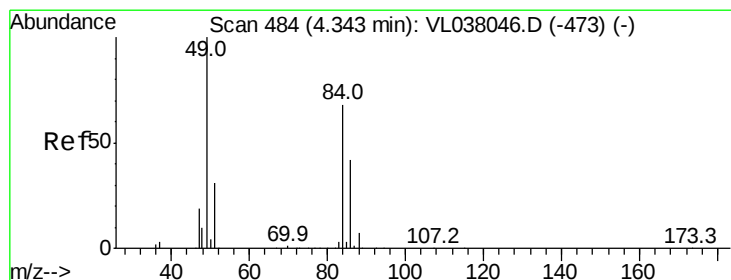
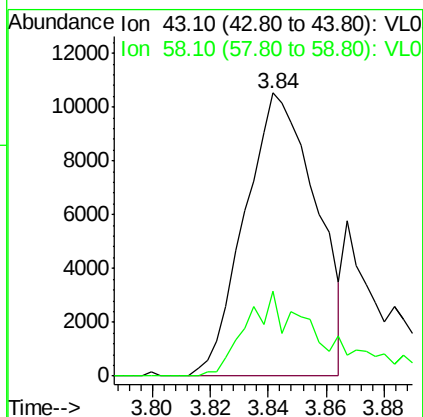
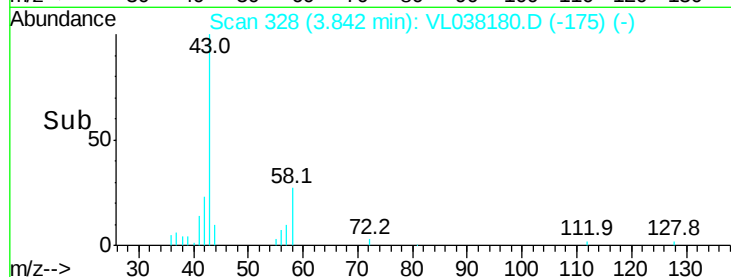
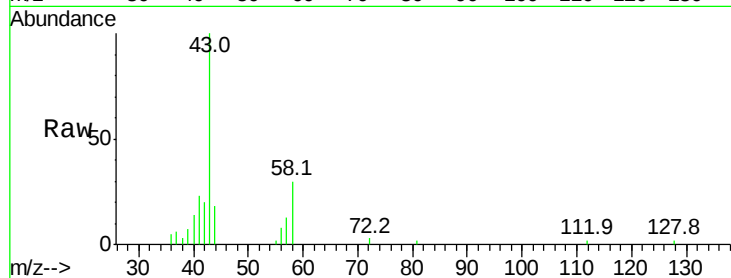
58 35.

Manual Integrations

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#20

Methylene Chloride

Concen: 0.976 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL038180.D

Acq: 15 Dec 2021 9:01

Tgt Ion: 84 Resp: 47420

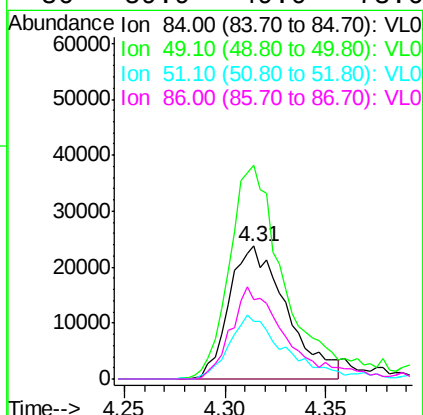
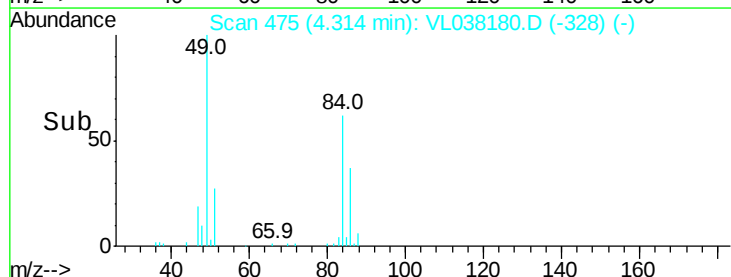
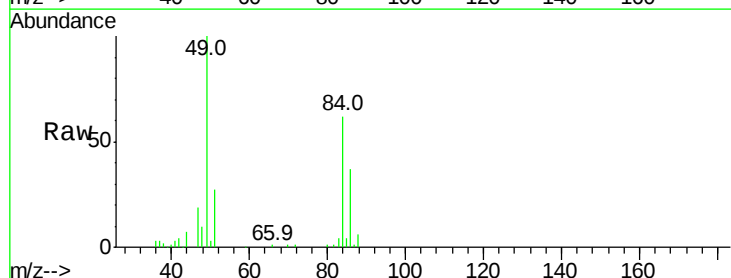
Ion Ratio Lower Upper

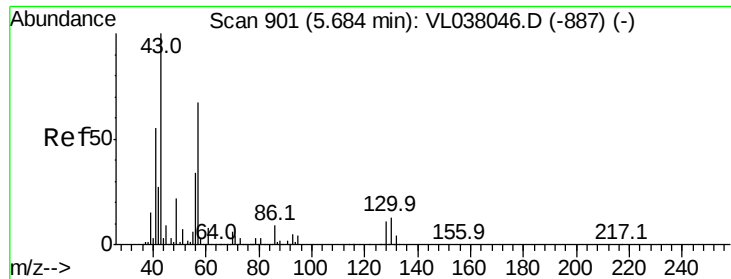
84 100

49 159.1 118.2 177.2

51 43.0 36.8 55.2

86 59.9 49.0 73.6



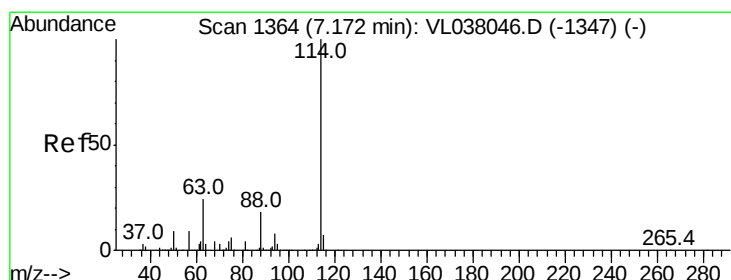
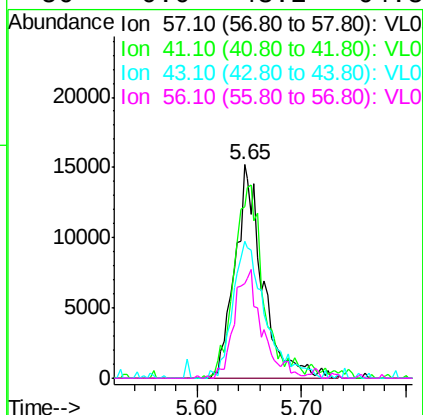
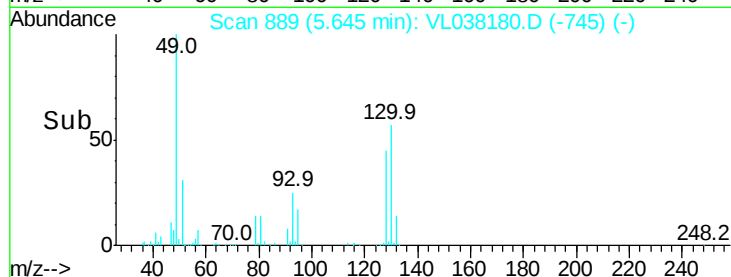
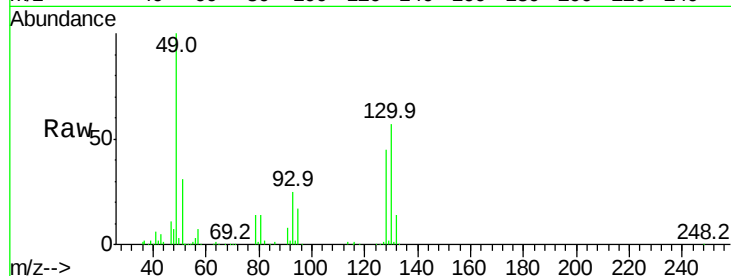


#26
Hexane
Concen: 0.203 ppbv m
RT: 5.65
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 15 Dec 2021 9:01

Tot Ion:
Ion Ratio
57 100
41 0.
43 75.
56 0.0 43.2 64.8#

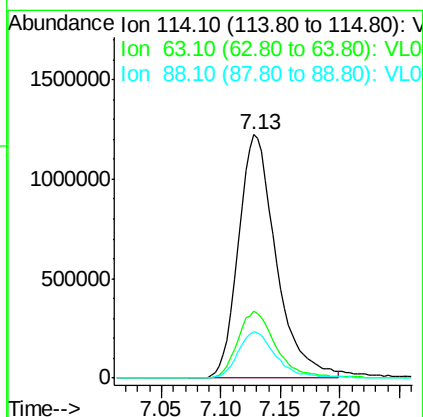
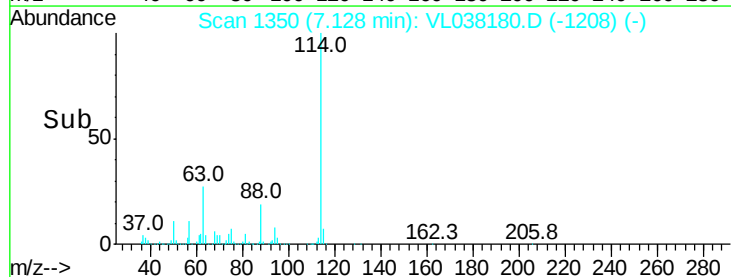
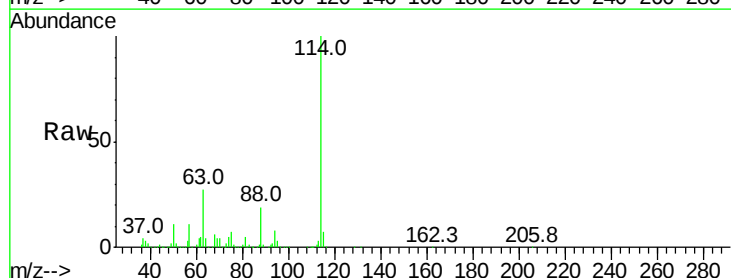
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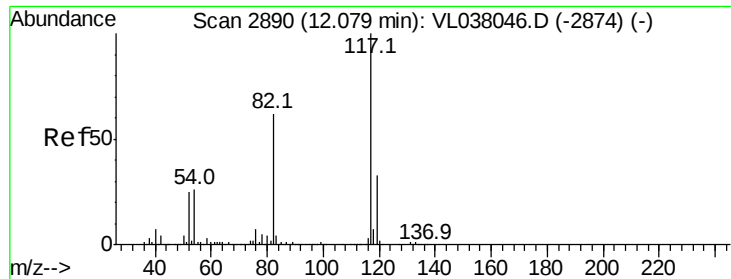
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.04 min
Lab File: VL038180.D
Acq: 15 Dec 2021 9:01

Tgt Ion:114 Resp: 2688372
Ion Ratio Lower Upper
114 100
63 28.4 19.7 29.5
88 19.4 14.4 21.6



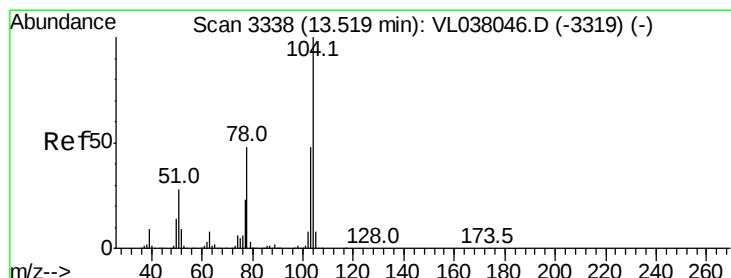
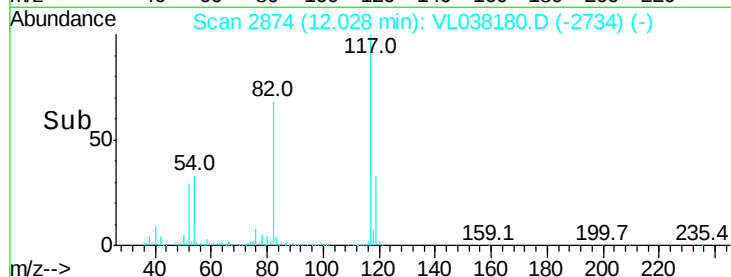
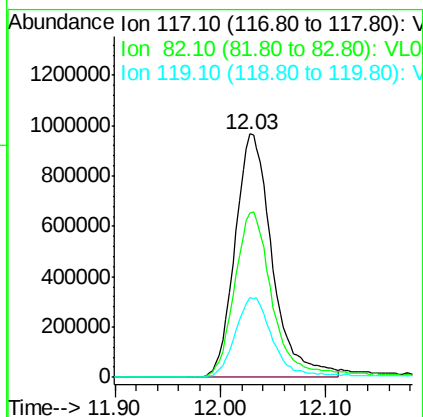
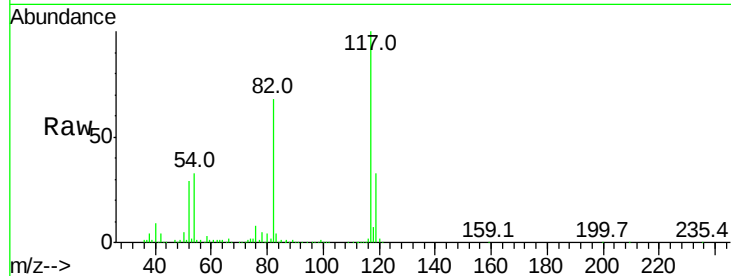


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Dec 2021 9:01

Tot Ion:1
Ion Rati
117 100
82 71.
119 34.

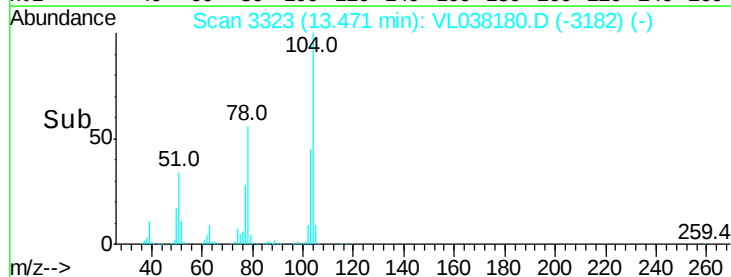
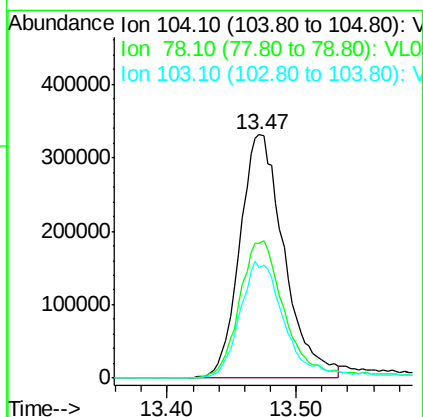
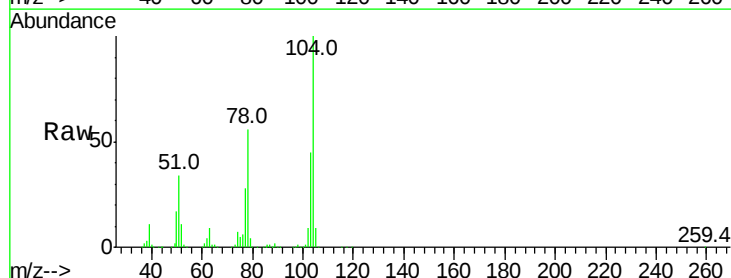
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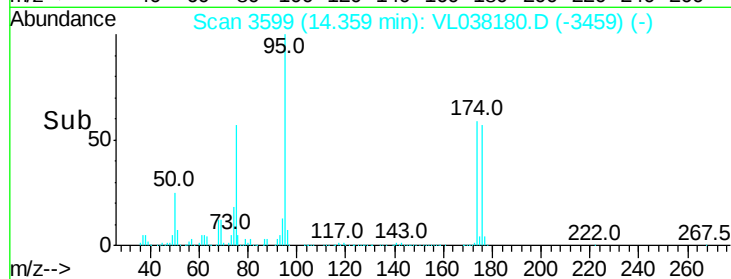
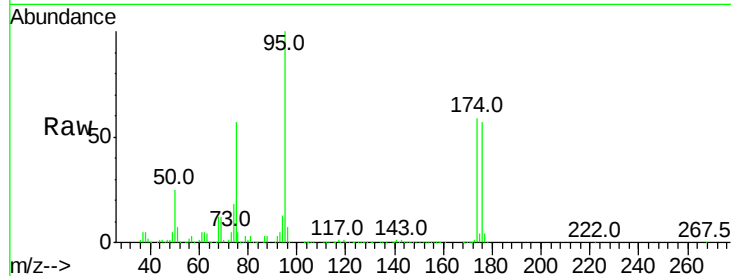
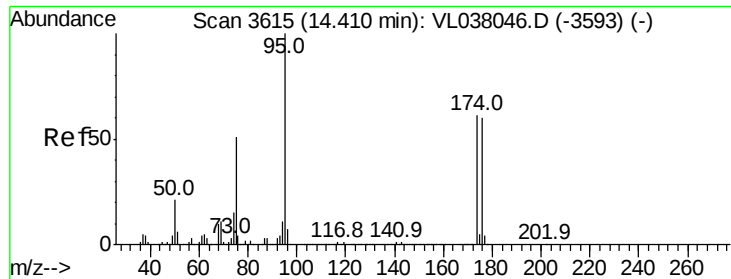
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#61
Styrene
Concen: 4.841 ppbv
RT: 13.47 min Scan# 3323
Delta R.T. -0.05 min
Lab File: VL038180.D
Acq: 15 Dec 2021 9:01

Tgt Ion:104 Resp: 794587
Ion Ratio Lower Upper
104 100
78 59.4 39.8 59.6
103 50.9 38.2 57.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.982 ppbv

RT: 14.36

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 9:01

Tot Ion:

Ion Ratio

95 100

174 62.

175 4.

Manual Integrations

APPROVED

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