

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038178.D
 Acq On : 14 Dec 2021 22:41
 Operator : SY/AP
 Sample : M5075-03DL 10X
 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 07:01:28 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	1071070	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2771135	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.03	117	2423534	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.36	95	1940232	11.10	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	17245	0.208	ppbv	92
13) Ethanol	3.58	45	23194m	2.897	ppbv	
15) Acetone	3.83	43	82901m	0.893	ppbv	
19) Isopropyl Alcohol	3.96	45	8299m	0.124	ppbv	
20) Methylene Chloride	4.31	84	108949	2.095	ppbv	99
26) Hexane	5.65	57	70951	0.477	ppbv #	44
41) Tetrahydrofuran	6.03	42	12907m	0.186	ppbv	
61) Styrene	13.47	104	3949716	23.552	ppbv	92

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

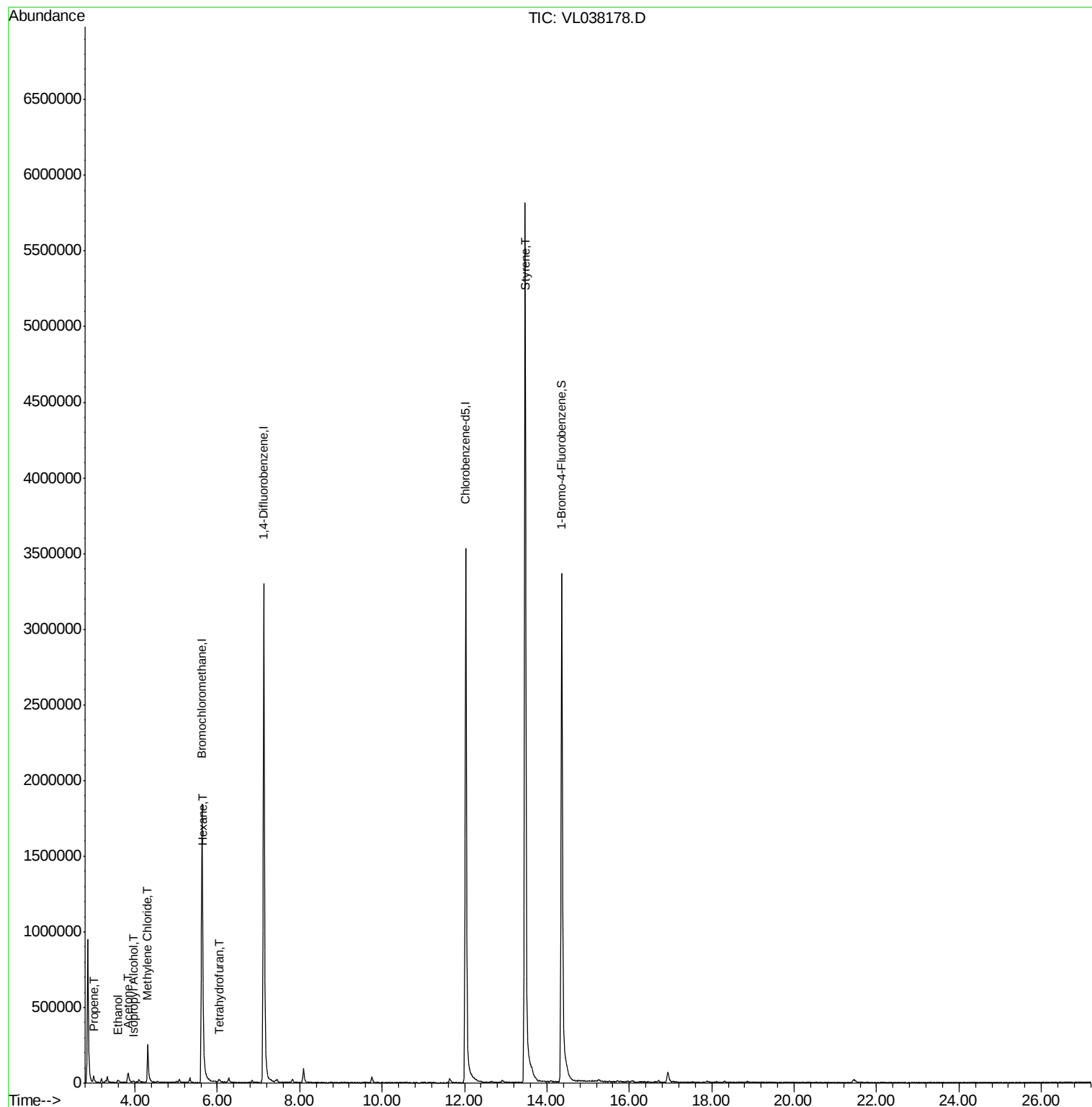
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121421\
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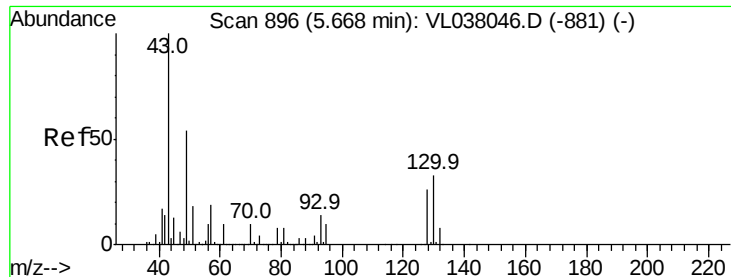
Instrument :
MSVOA_L
ClientSampleId :
AA-DSEDL

Quant Time: Dec 15 07:01:28 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821.M
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: 5.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 22:41

Tot Ion:

Ion Ratio

49 100

128 46.

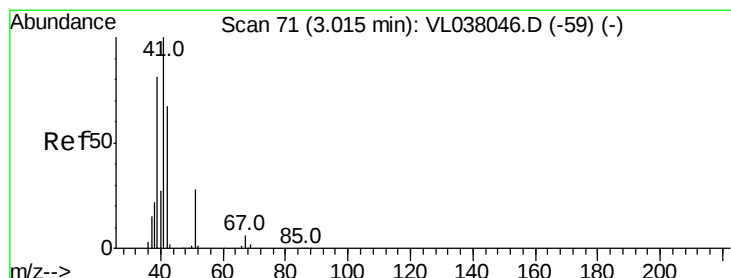
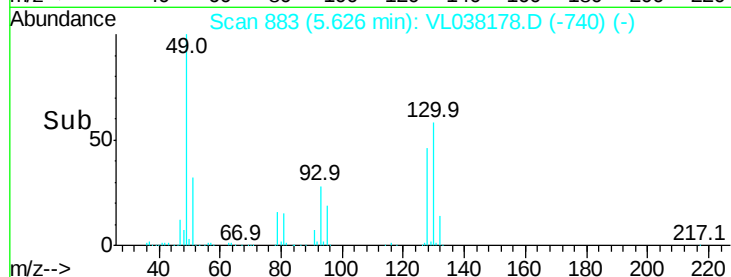
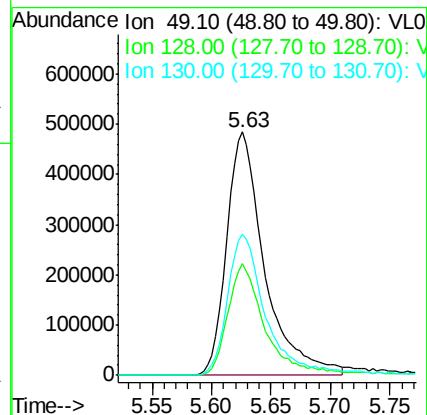
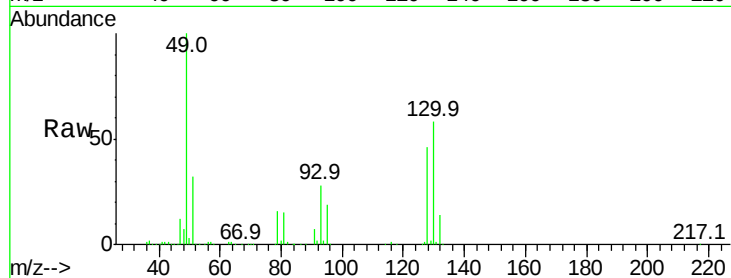
130 60.

Manual Integrations

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#9

Propene

Concen: 0.208 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL038178.D

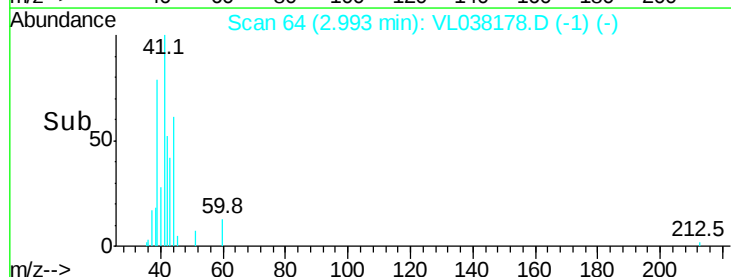
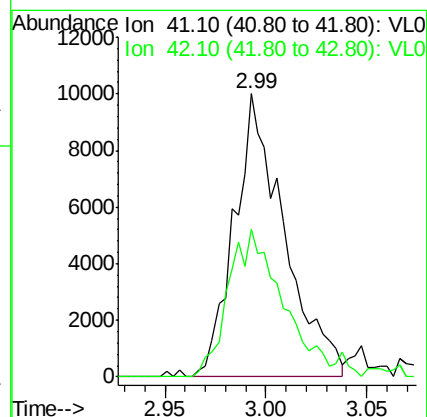
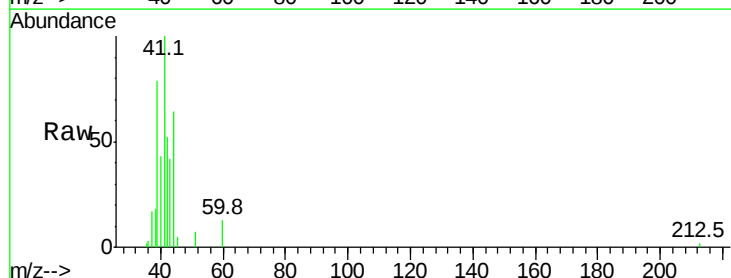
Acq: 14 Dec 2021 22:41

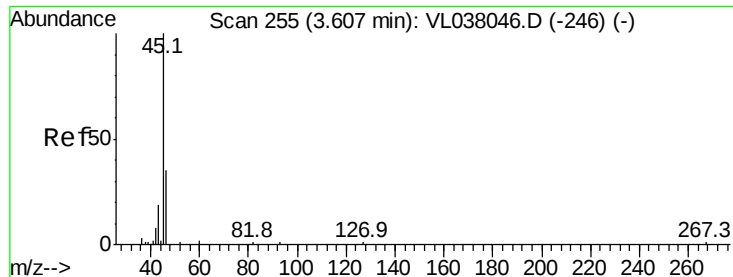
Tgt Ion: 41 Resp: 17245

Ion Ratio Lower Upper

41 100

42 60.5 53.8 80.8



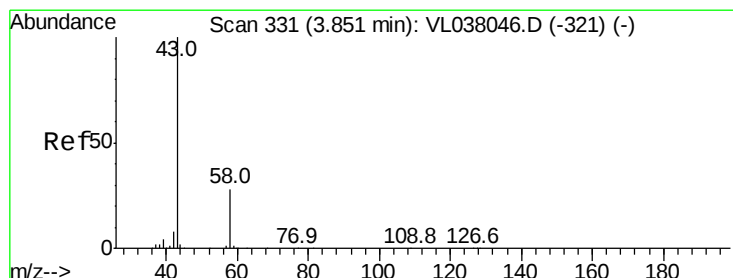
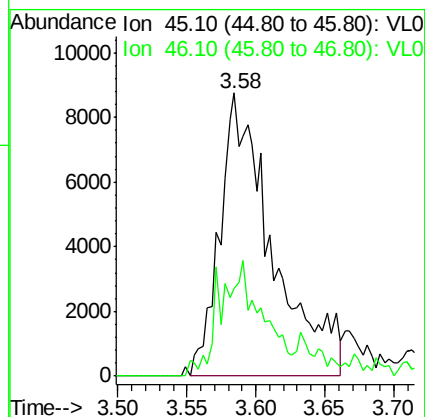
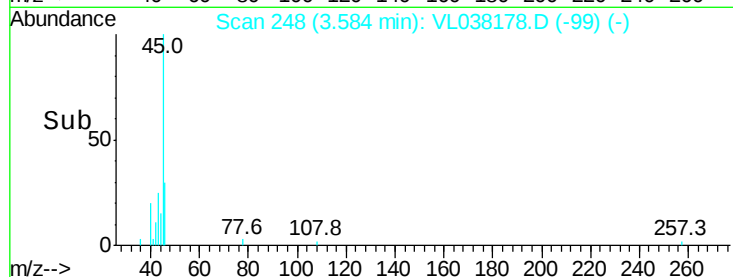
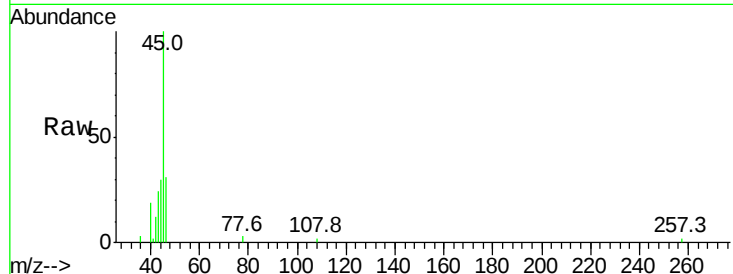


#13
Ethanol
Concen: 2.897 ppbv m
RT: 3.58
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 22:41

Tot Ion:
Ion Ratio
45 100
46 0.

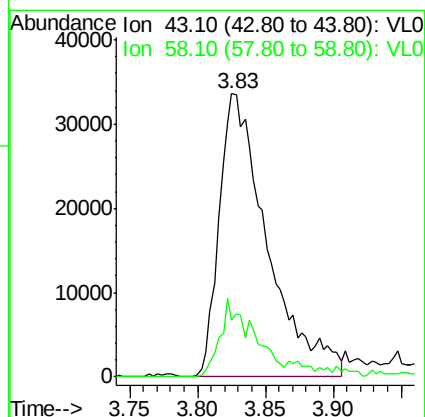
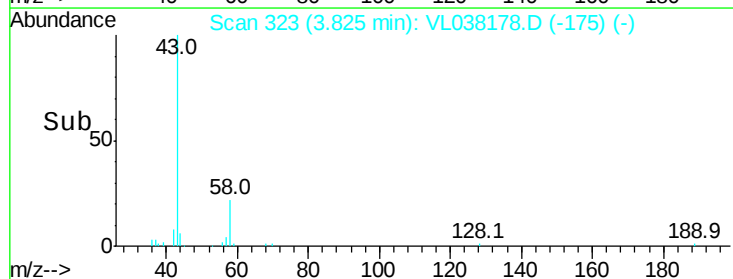
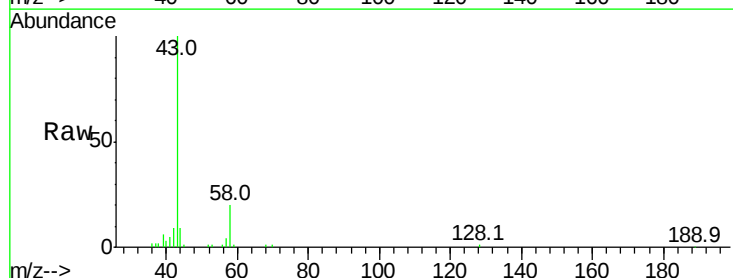
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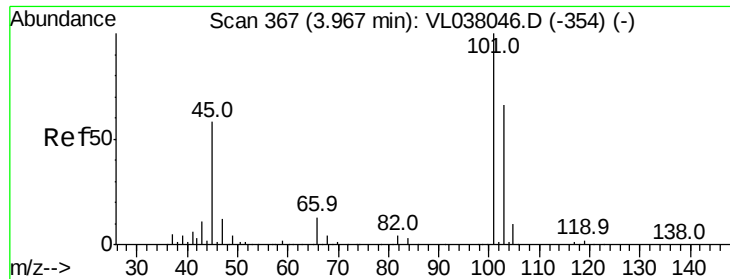
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#15
Acetone
Concen: 0.893 ppbv m
RT: 3.83 min Scan# 323
Delta R.T. -0.03 min
Lab File: VL038178.D
Acq: 14 Dec 2021 22:41

Tgt Ion: 43 Resp: 82901
Ion Ratio Lower Upper
43 100
58 23.6 22.4 33.6





#19

Isopropyl Alcohol

Concen: 0.124 ppbv m

RT: 3.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 22:41

Tot Ion:

Ion Ratio

45 100

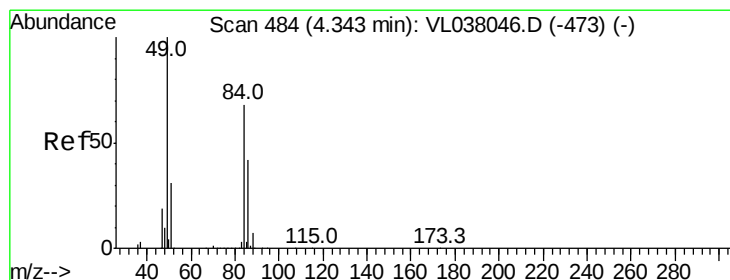
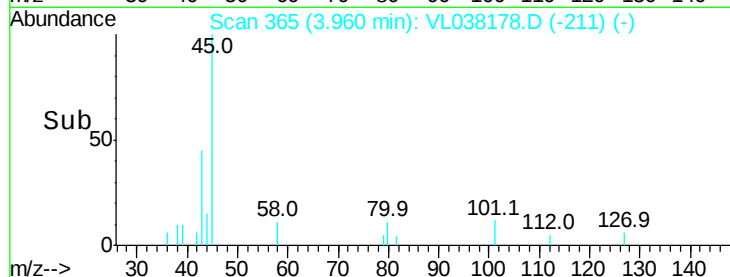
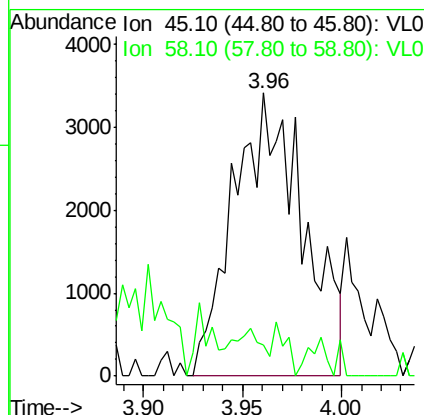
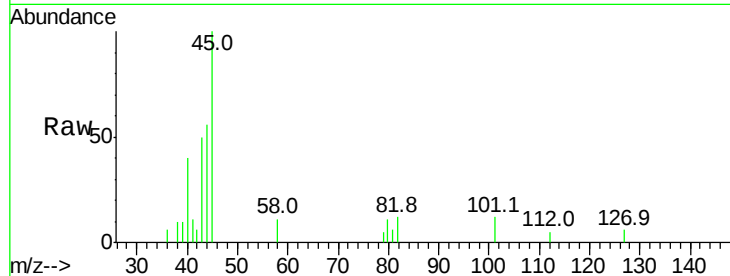
58 0.

Manual Integrations

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#20

Methylene Chloride

Concen: 2.095 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.03 min

Lab File: VL038178.D

Acq: 14 Dec 2021 22:41

Tgt Ion: 84 Resp: 108949

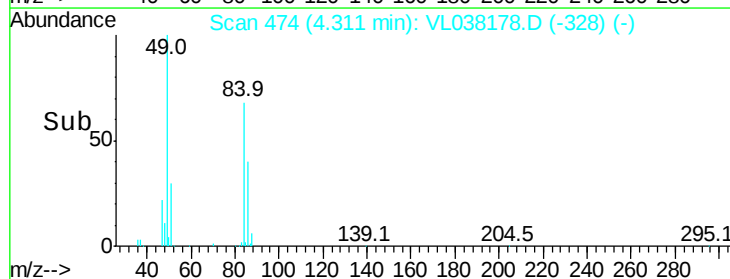
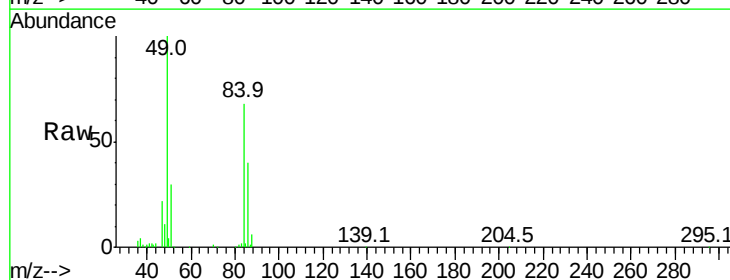
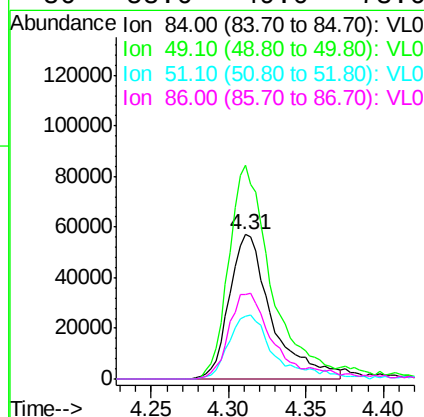
Ion Ratio Lower Upper

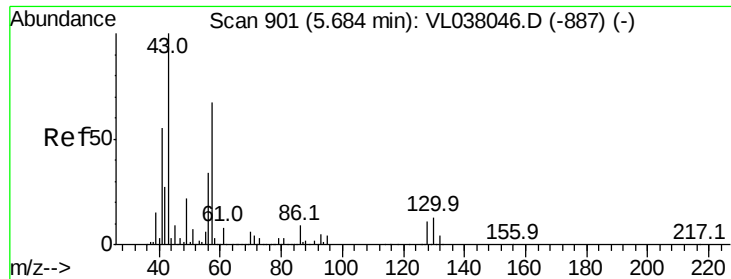
84 100

49 147.8 118.2 177.2

51 43.9 36.8 55.2

86 58.6 49.0 73.6



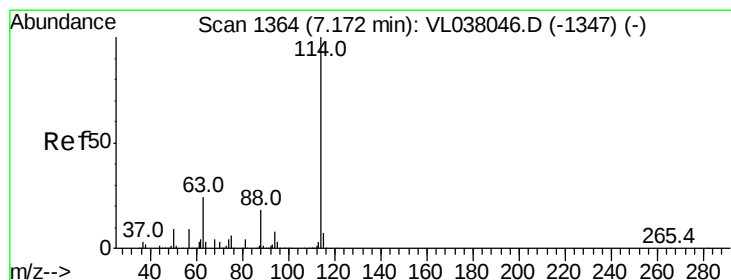
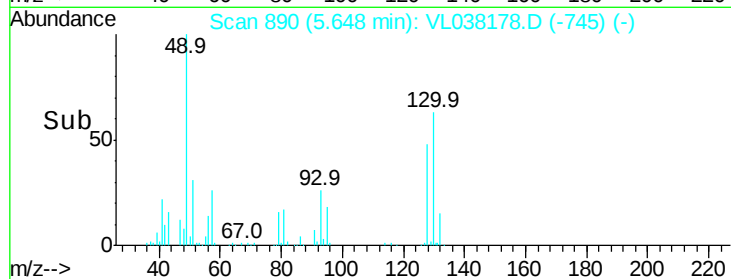
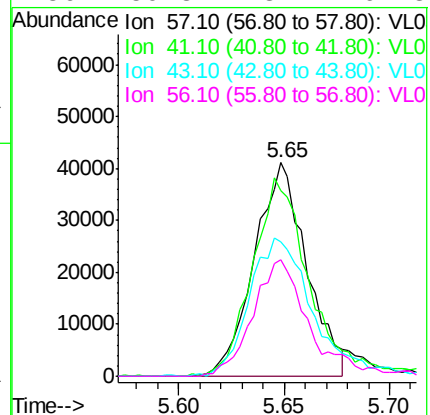
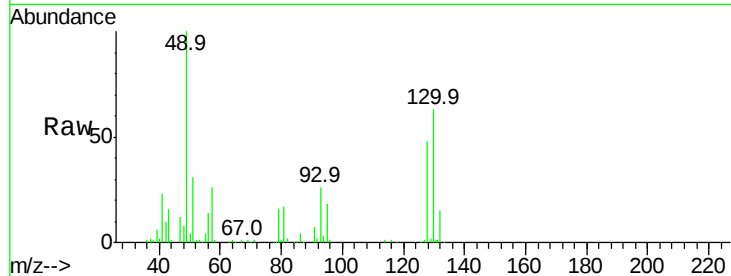


#26
Hexane
Concen: 0.477 ppbv
RT: 5.65
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 14 Dec 2021 22:41

Tot Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio: 41.10 (40.80 to 41.80): VL0
57 100
41 103.
43 81.
56 59.3 43.2 64.8

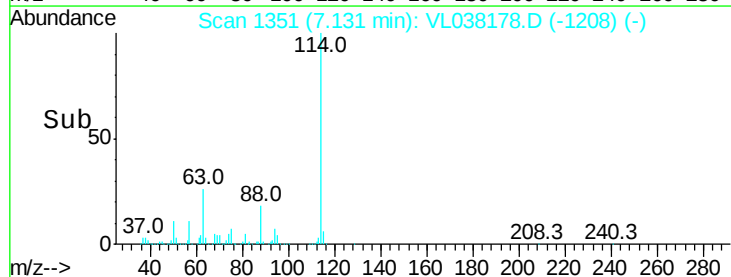
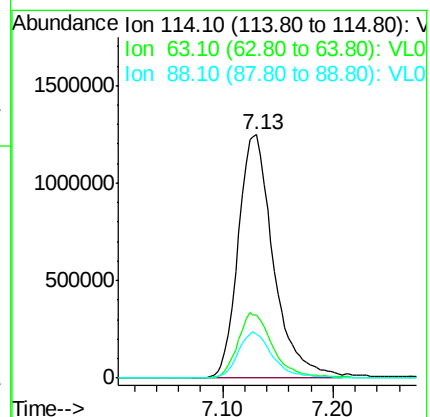
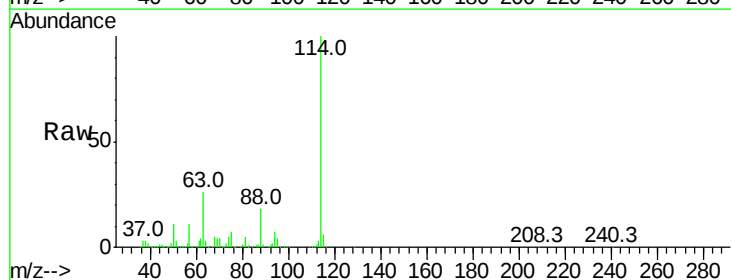
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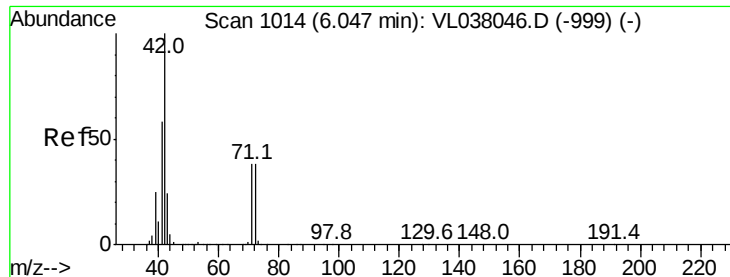
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.04 min
Lab File: VL038178.D
Acq: 14 Dec 2021 22:41

Tgt Ion:114 Resp: 2771135
Ion Ratio Lower Upper
114 100
63 27.0 19.7 29.5
88 18.9 14.4 21.6





#41

Tetrahydrofuran

Concen: 0.186 ppbv m

RT: 6.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 22:41

Tot Ion:

Ion Ratio

42 100

72 0.

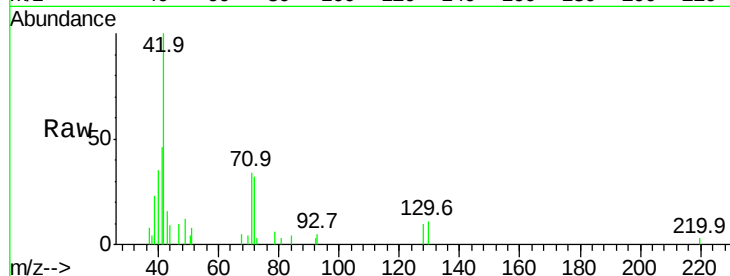
71 0.

Manual Integrations

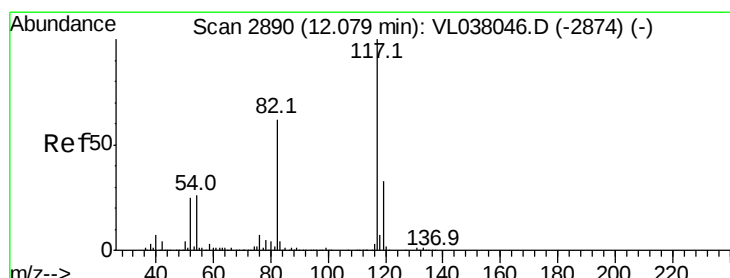
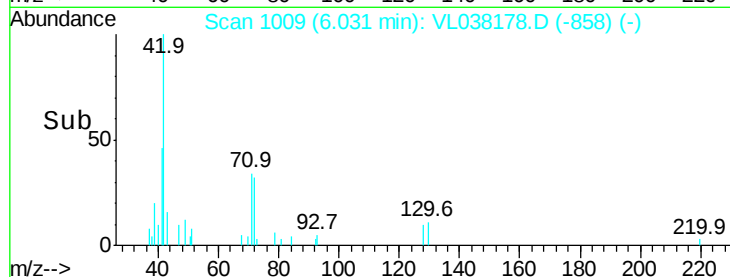
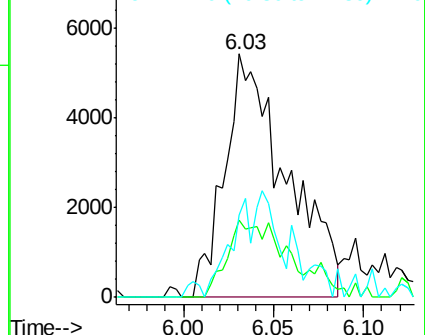
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Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.03 min Scan# 2875

Delta R.T. -0.05 min

Lab File: VL038178.D

Acq: 14 Dec 2021 22:41

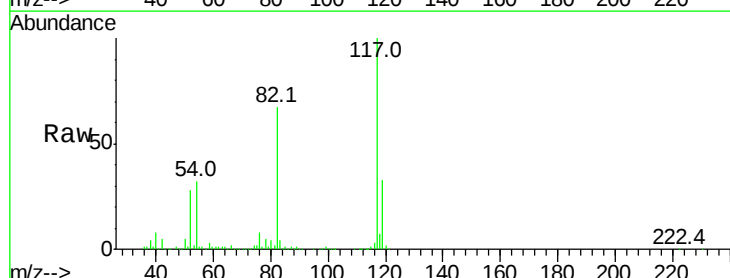
Tgt Ion:117 Resp: 2423534

Ion Ratio Lower Upper

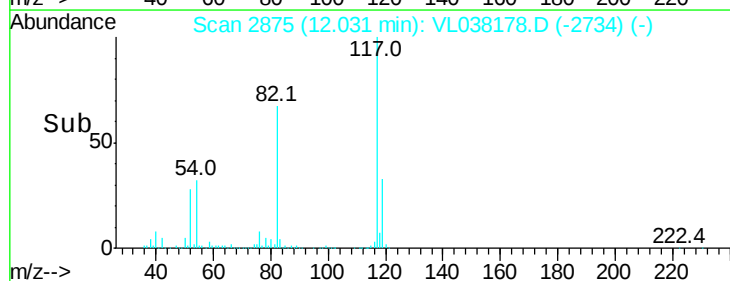
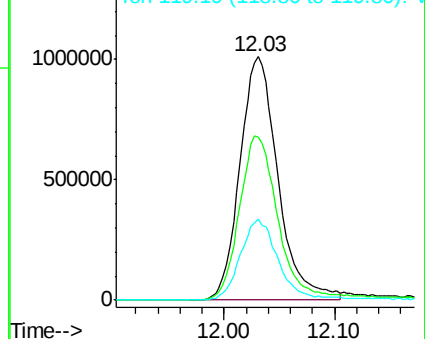
117 100

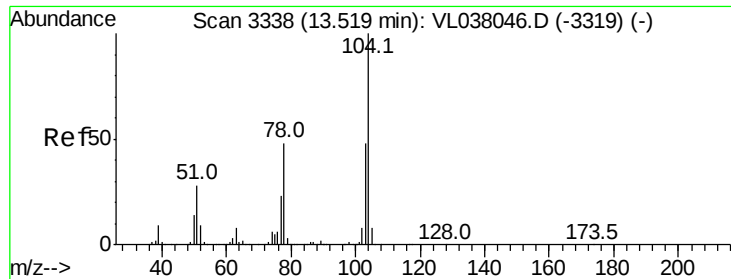
82 72.2 52.8 79.2

119 34.1 26.8 40.2



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



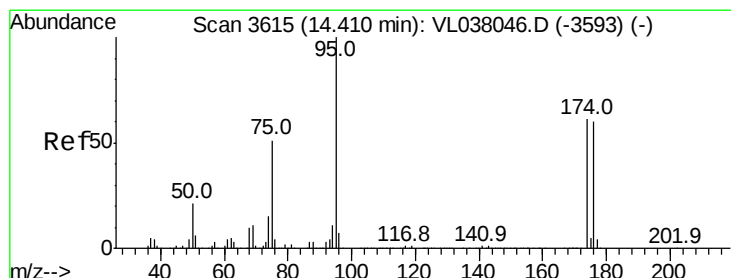
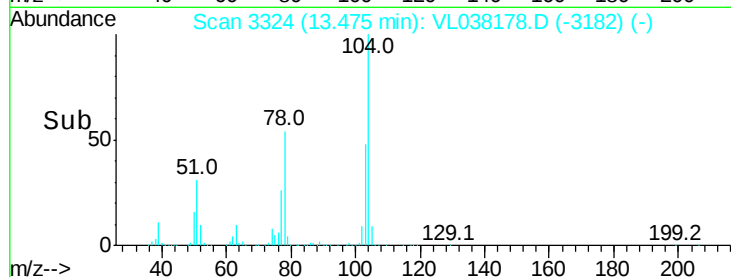
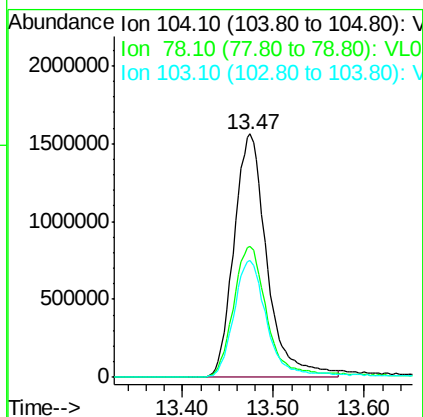
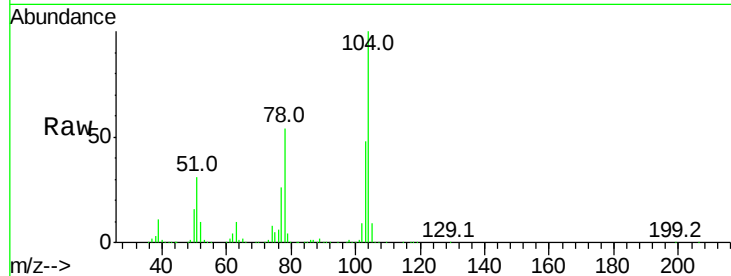


#61
Stvrene
Concen: 23.552 ppbv
RT: 13.47 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 22:41

Tot Ion: 1
Ion Ratio
104 100
78 57.1
103 50.0

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 11.099 ppbv
RT: 14.36 min Scan# 3599
Delta R.T. -0.05 min
Lab File: VL038178.D
Acq: 14 Dec 2021 22:41

Tgt Ion: 95 Resp: 1940232
Ion Ratio Lower Upper
95 100
174 63.5 53.1 79.7
175 4.4 4.0 6.0

