

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038156.D
 Acq On : 7 Dec 2021 18:44
 Operator : SY/AP
 Sample : M4897-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 08 02:30:43 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	827880	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2173791	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	1867619	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1509770	11.21	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	10386m	0.076	ppbv	
13) Ethanol	3.61	45	42780m	6.914	ppbv	
15) Acetone	3.86	43	58829m	0.820	ppbv	
20) Methylene Chloride	4.34	84	49293m	1.226	ppbv	

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

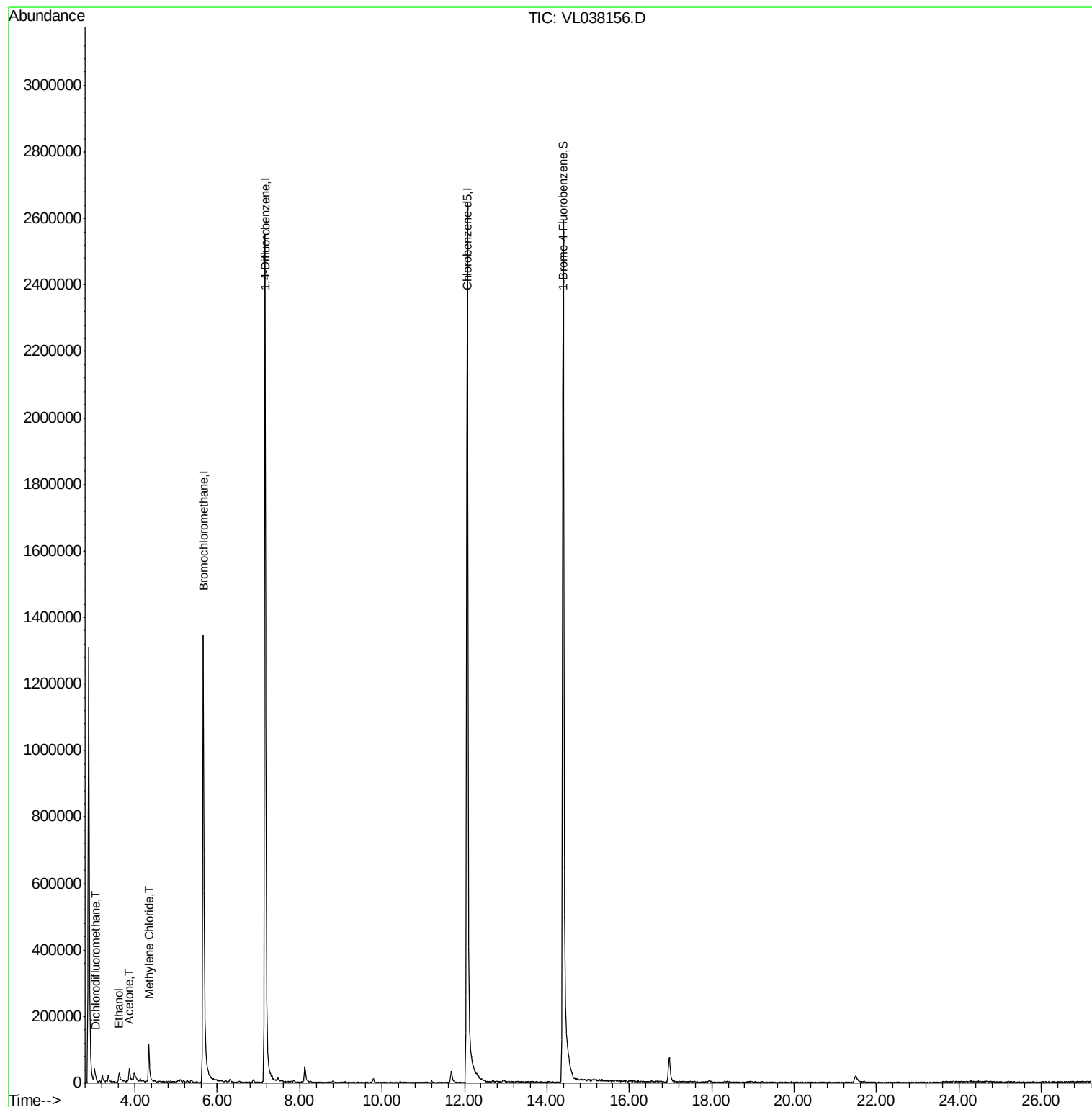
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120721\
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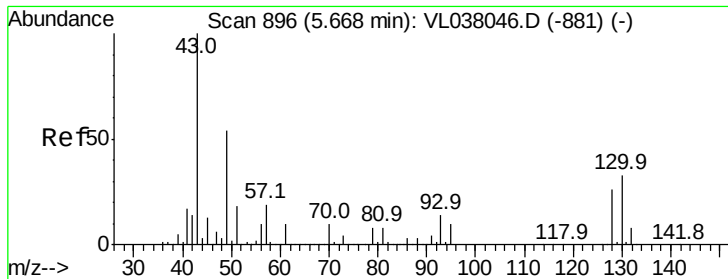
Instrument :
MSVOA_L
ClientSampleId :
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: OA-1DL

Acq: 7 Dec 2021 18:44

Tot Ion:

Ion Ratio

49 100

128 47.

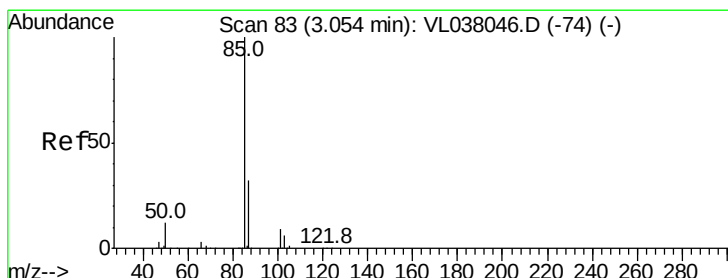
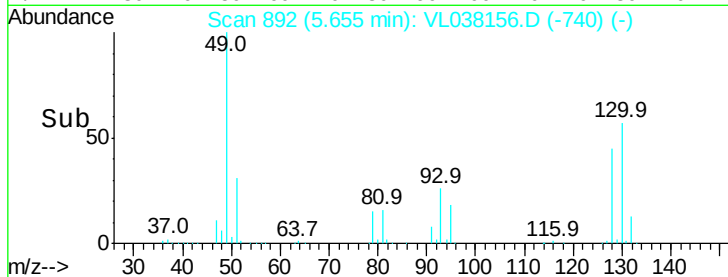
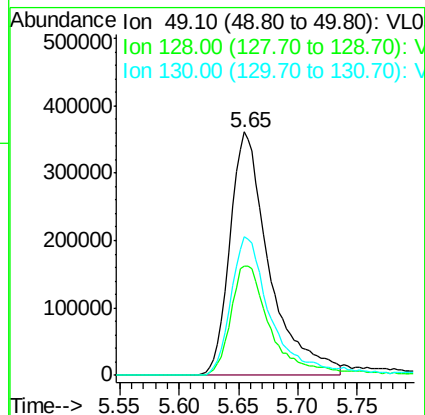
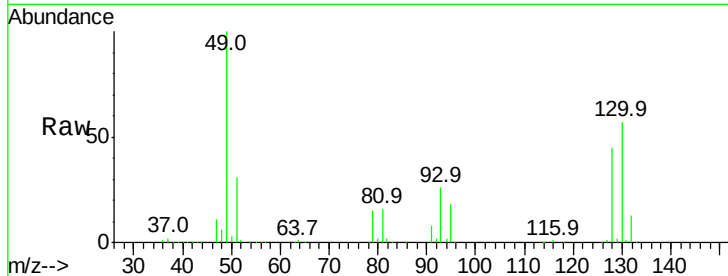
130 60.

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.076 ppbv m

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL038156.D

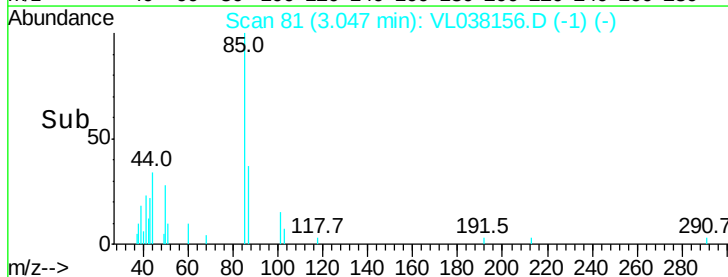
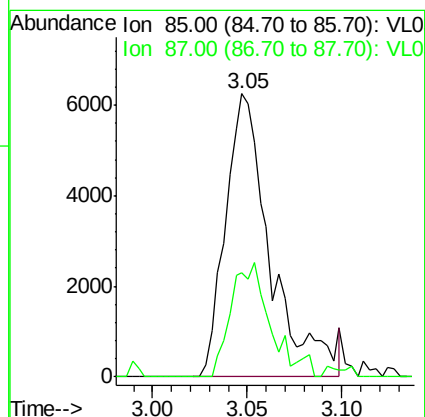
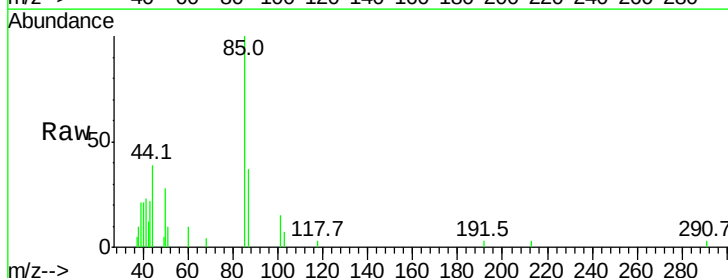
Acq: 7 Dec 2021 18:44

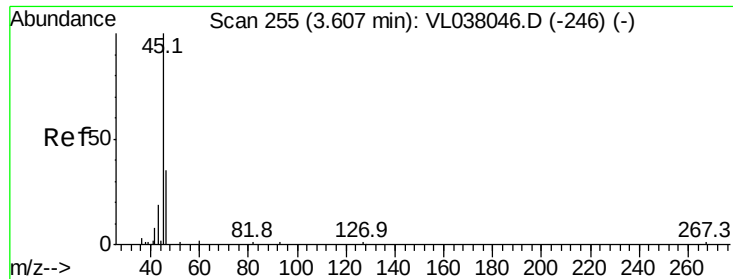
Tgt Ion: 85 Resp: 10386

Ion Ratio Lower Upper

85 100

87 36.9 25.8 38.6



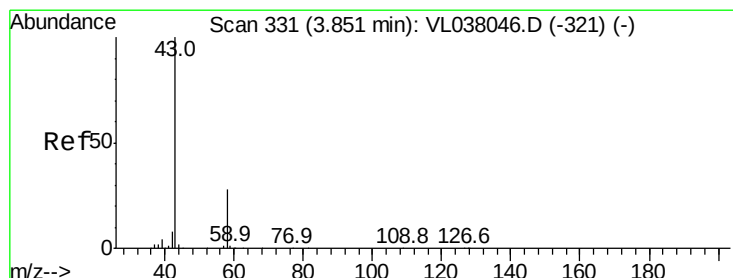
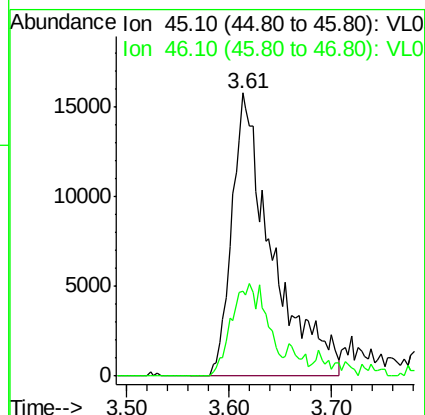
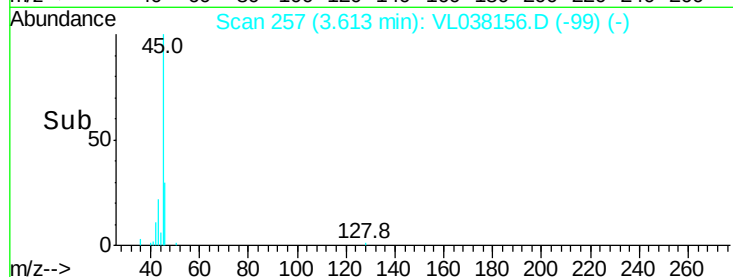
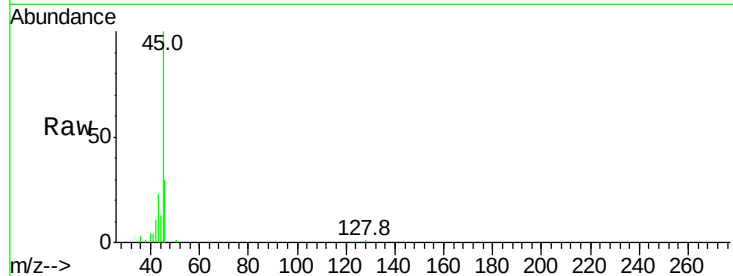


#13
Ethanol
Concen: 6.914 ppbv m
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 18:44

Tot Ion:
Ion Ratio
45 100
46 33.

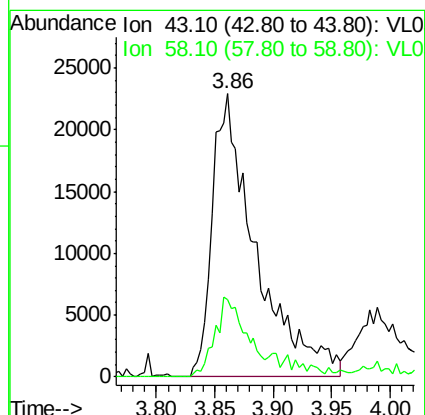
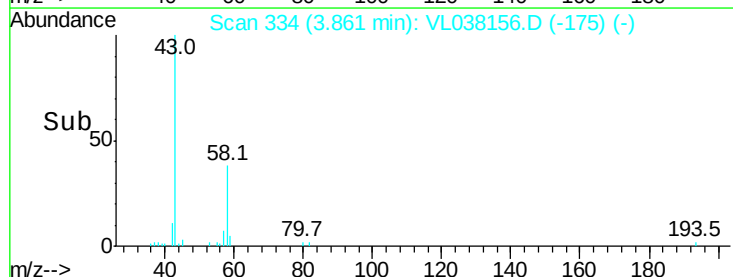
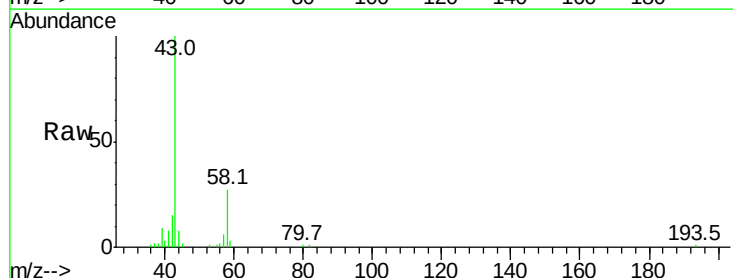
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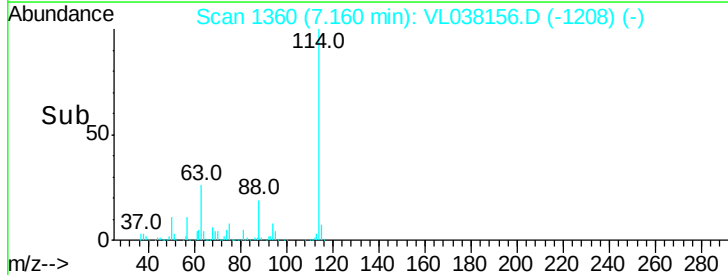
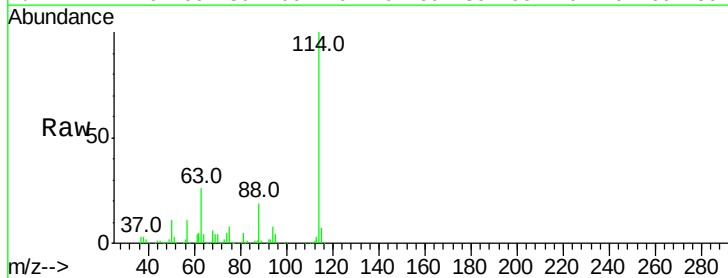
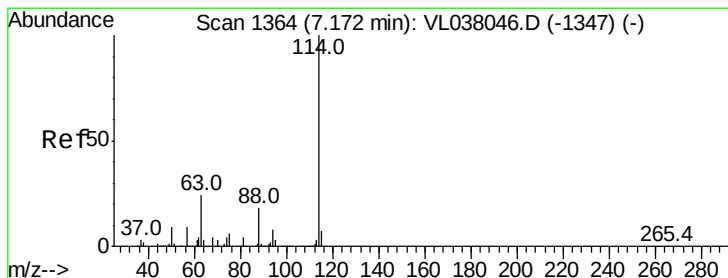
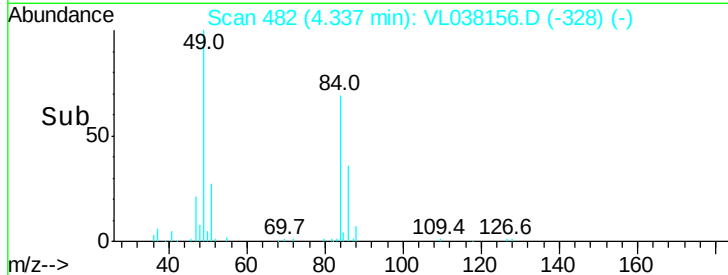
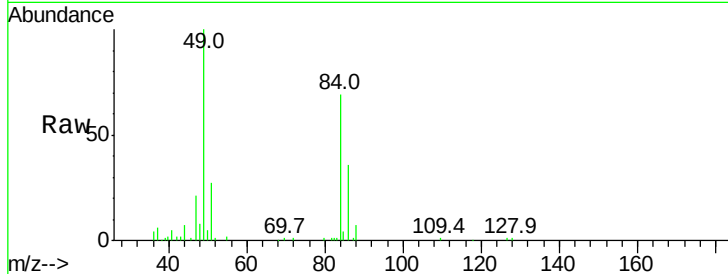
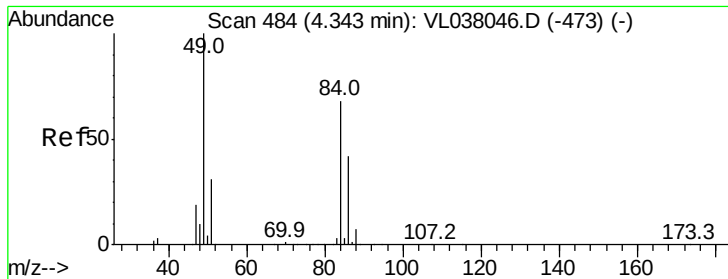
Reviewed By :Amit Patel 12/08/2021
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#15
Acetone
Concen: 0.820 ppbv m
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL038156.D
Acq: 7 Dec 2021 18:44

Tgt Ion: 43 Resp: 58829
Ion Ratio Lower Upper
43 100
58 26.1 22.4 33.6





#20

Methylene Chloride

Concen: 1.226 ppbv m

RT: 4.34 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 18:44 OA-1DL

Tot Ion:

Ion Ratio

84 100

49 144.

51 39.

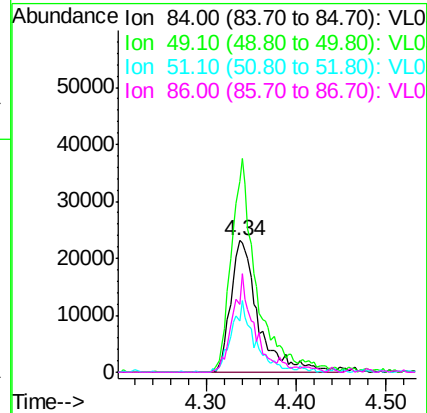
86 52.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VL038156.D

Acq: 7 Dec 2021 18:44

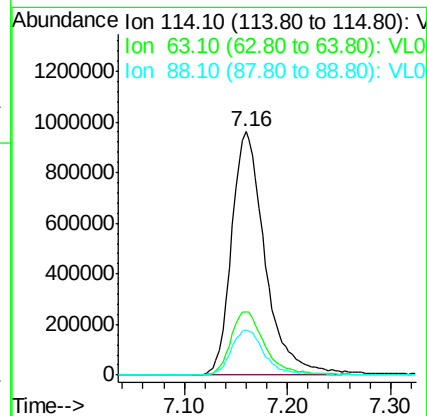
Tgt Ion:114 Resp: 2173791

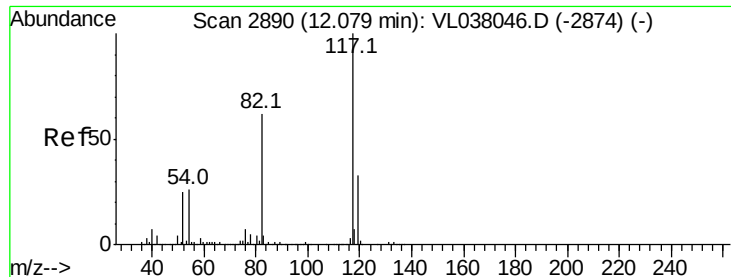
Ion Ratio Lower Upper

114 100

63 26.9 19.7 29.5

88 18.9 14.4 21.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 18:44

Tot Ion:1

Ion Rati

117 100

82 72.

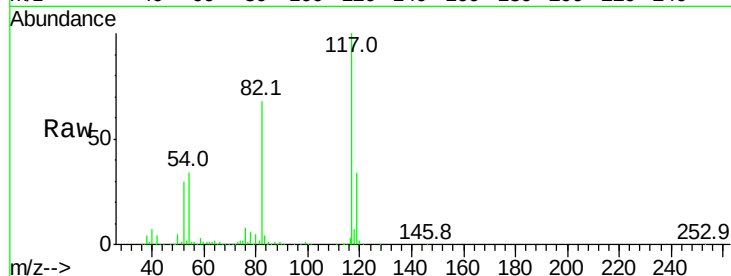
119 34.

Manual Integrations

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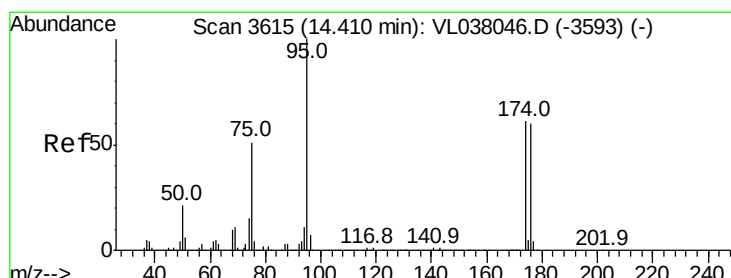
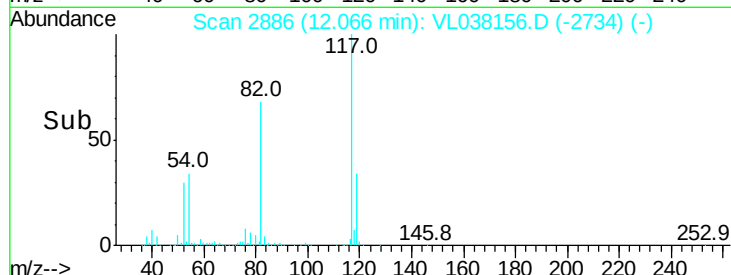
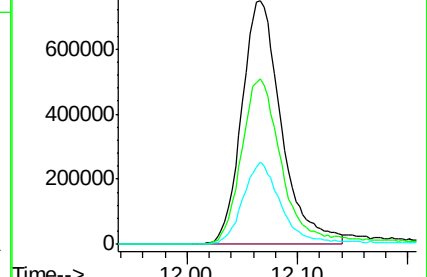
Supervised By :Semsettin Yesilyurt 12/08/2021



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



#68

1-Bromo-4-Fluorobenzene

Concen: 11.207 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL038156.D

Acq: 7 Dec 2021 18:44

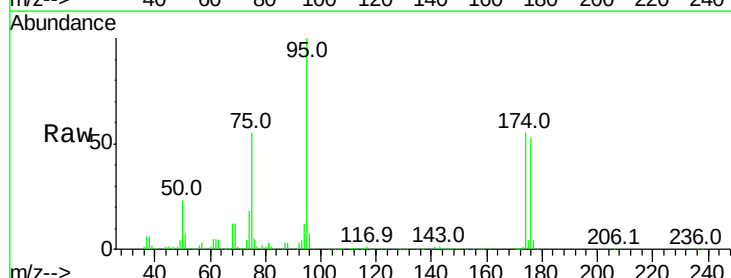
Tgt Ion: 95 Resp: 1509770

Ion Ratio Lower Upper

95 100

174 60.9 53.1 79.7

175 4.1 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

