

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038169.D
 Acq On : 14 Dec 2021 16:48
 Operator : SY/AP
 Sample : M5045-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-9B

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 06:16:01 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	931643	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2390463	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.04	117	1909195	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1499829	10.89	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	34139m	0.222	ppbv	
4) Chloromethane	3.12	50	44446	0.667	ppbv	95
9) Propene	3.00	41	41082	0.570	ppbv	90
11) Trichlorofluoromethane	3.92	101	21972	0.150	ppbv	84
13) Ethanol	3.57	45	2024709	290.775	ppbv	90
15) Acetone	3.82	43	323601	4.006	ppbv	97
19) Isopropyl Alcohol	3.94	45	277733	4.759	ppbv	100
20) Methylene Chloride	4.32	84	81739	1.807	ppbv	97
25) Ethyl Acetate	5.65	43	67725	0.252	ppbv #	97
26) Hexane	5.65	57	47611	0.368	ppbv #	76

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

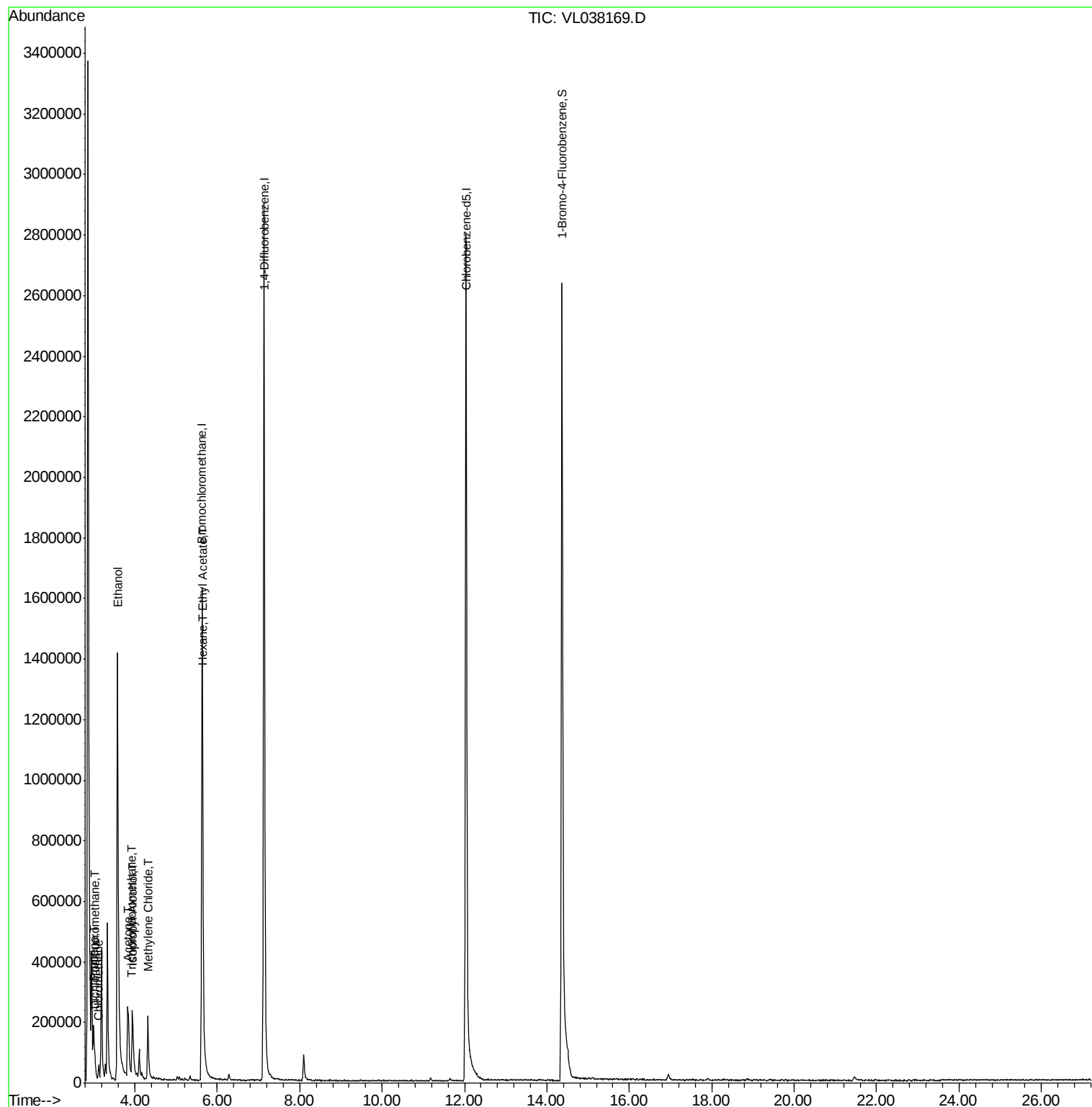
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121421\
Data File : VL038169.D
Acq On : 14 Dec 2021 16:48
Operator : SY/AP
Sample : M5045-02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

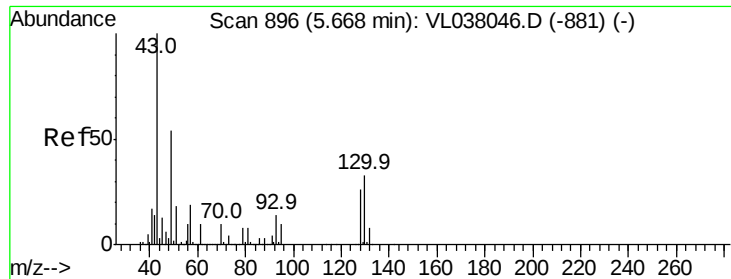
Instrument :
MSVOA_L
ClientSampleId :
IA-9B

Manual Integrations
APPROVED

Quant Time: Dec 15 06:16:01 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
Response via : Initial Calibration

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 16:48

Tot Ion:

Ion Ratio

49 100

128 45.

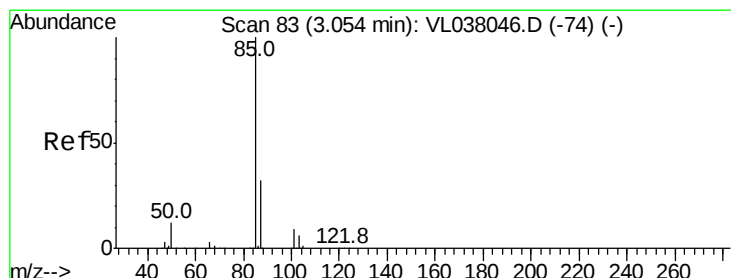
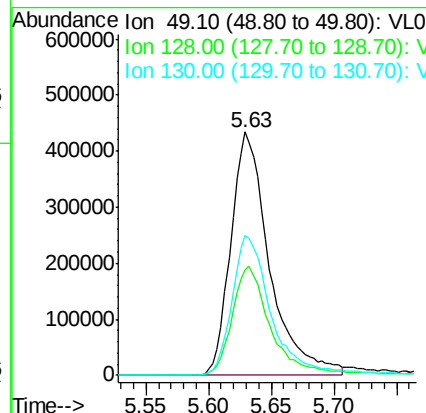
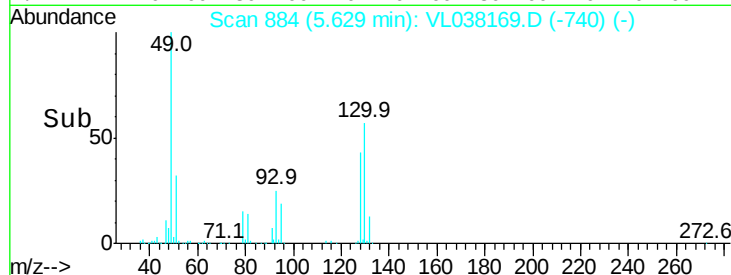
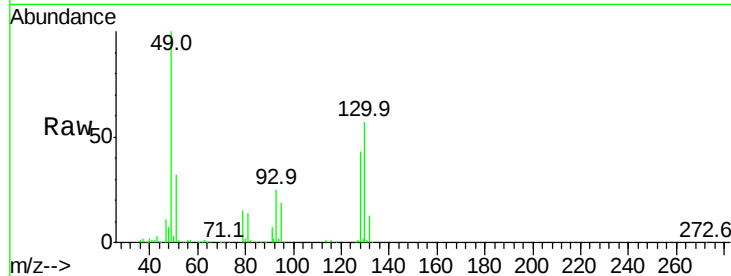
130 58.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#2

Dichlorodifluoromethane

Concen: 0.222 ppbv m

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL038169.D

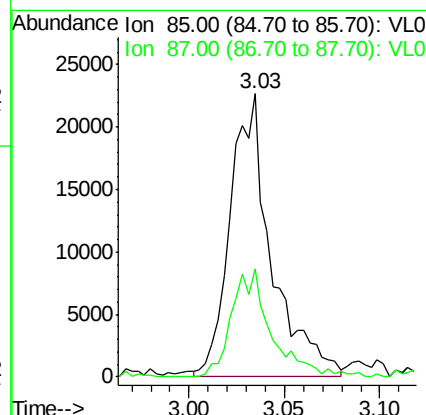
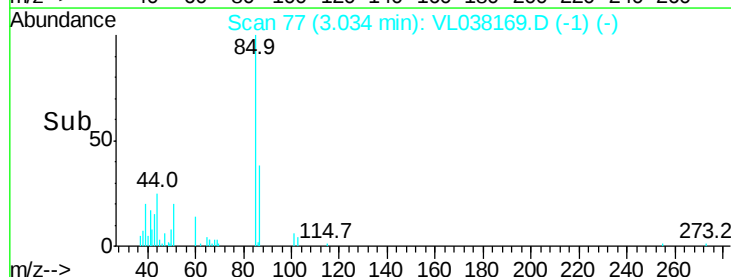
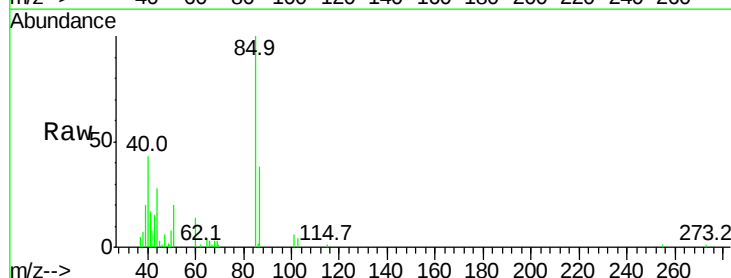
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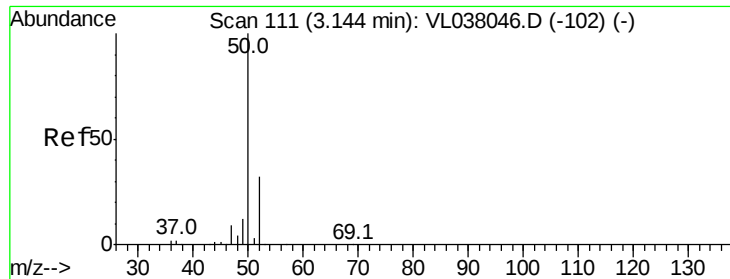
Tgt Ion: 85 Resp: 34139

Ion Ratio Lower Upper

85 100

87 38.3 25.8 38.6





#4

Chloromethane

Concen: 0.667 ppbv

RT: 3.12 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 16:48

Tot Ion:

Ion Ratio

50 100

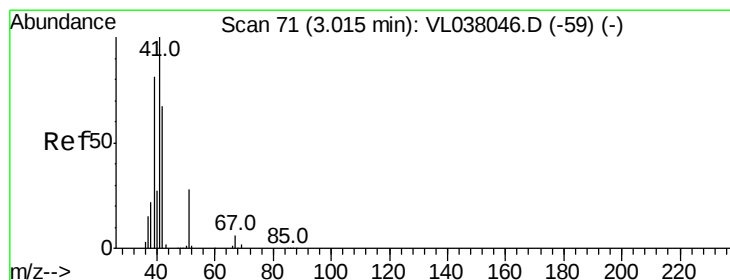
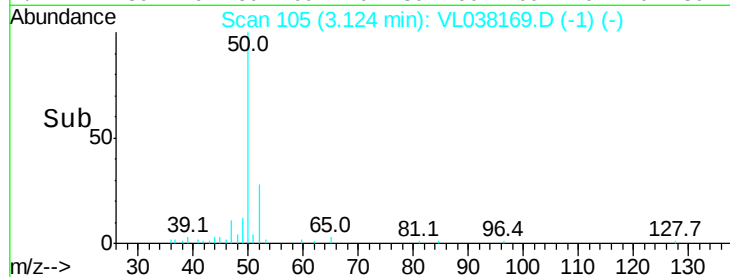
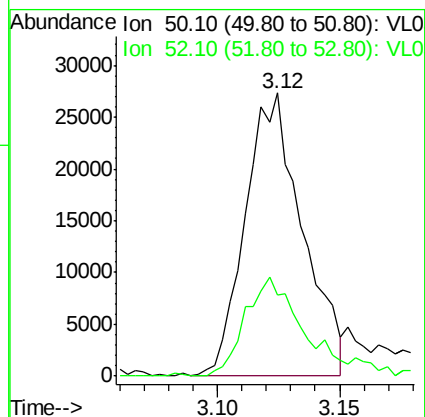
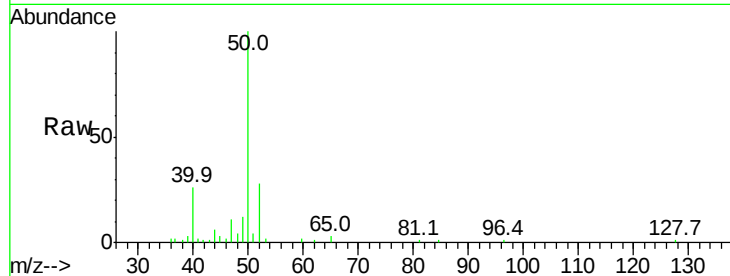
52 28.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#9

Propene

Concen: 0.570 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.02 min

Lab File: VL038169.D

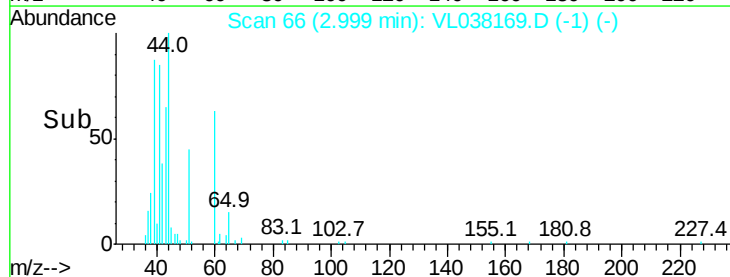
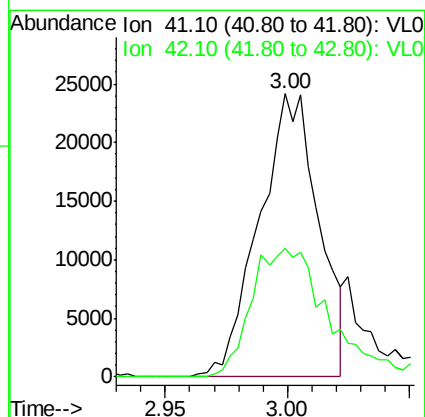
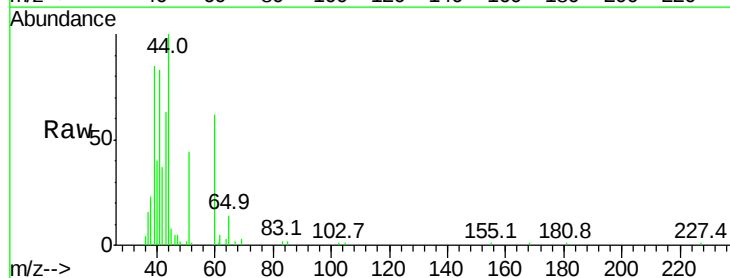
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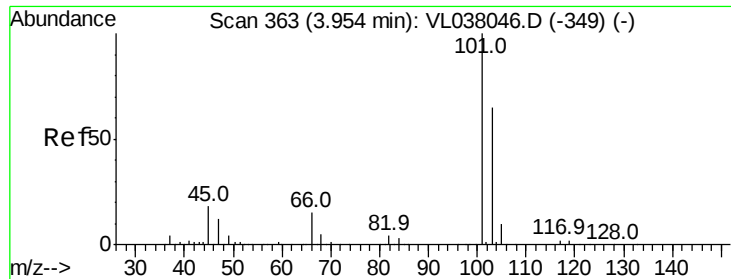
Tgt Ion: 41 Resp: 41082

Ion Ratio Lower Upper

41 100

42 59.3 53.8 80.8



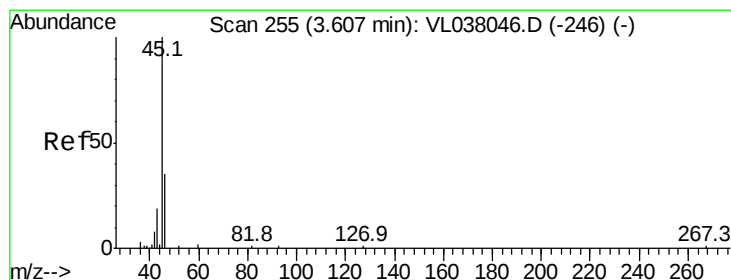
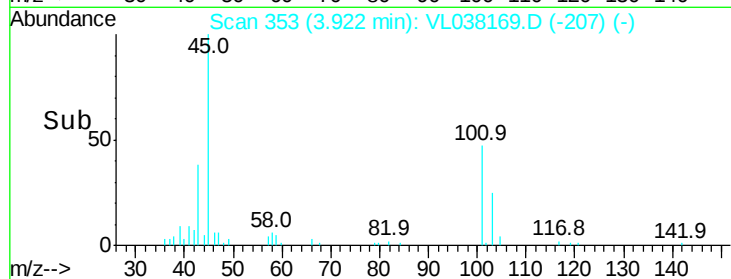
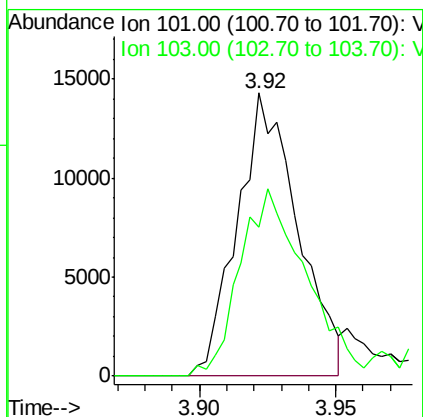
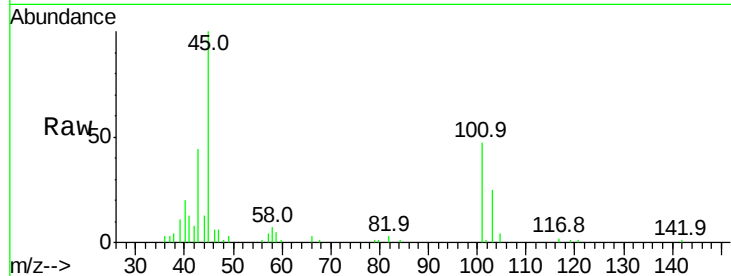


#11
 Trichlorofluoromethane
 Concen: 0.150 ppbv
 RT: 3.92
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 14 Dec 2021 16:48

Tot Ion: 1
 Ion Ratio
 101 100
 103 52.

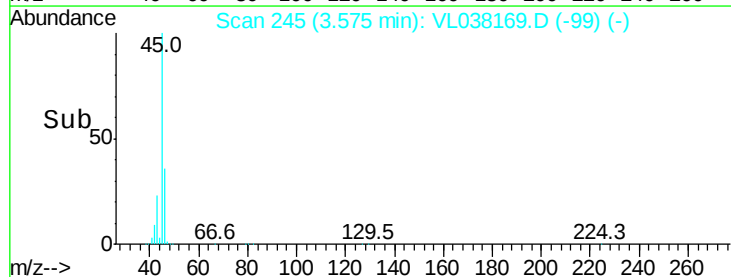
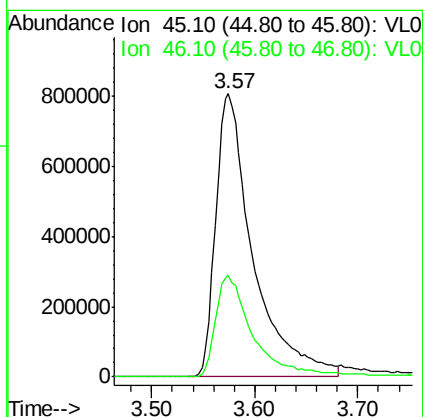
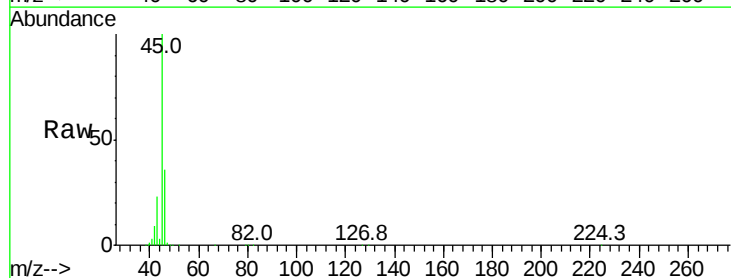
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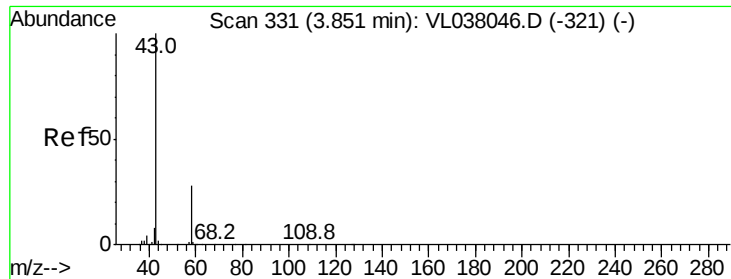
Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021



#13
 Ethanol
 Concen: 290.775 ppbv
 RT: 3.57 min Scan# 245
 Delta R.T. -0.03 min
 Lab File: VL038169.D
 Acq: 14 Dec 2021 16:48

Tgt Ion: 45 Resp: 2024709
 Ion Ratio Lower Upper
 45 100
 46 37.5 17.6 70.2



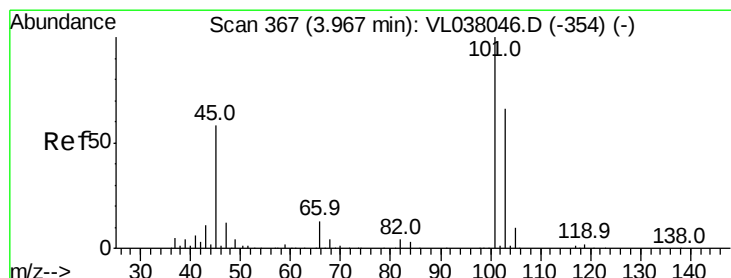
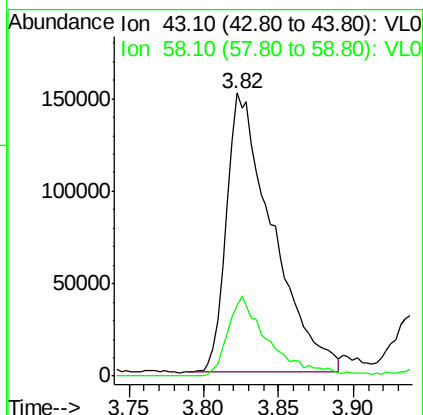
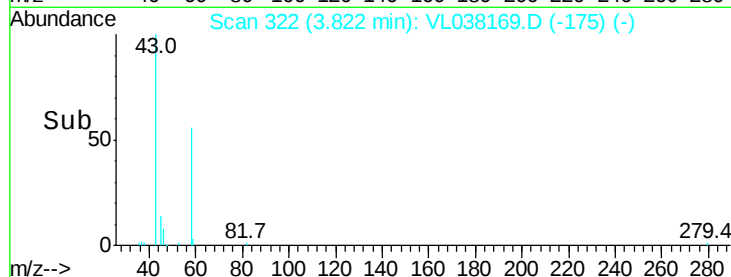
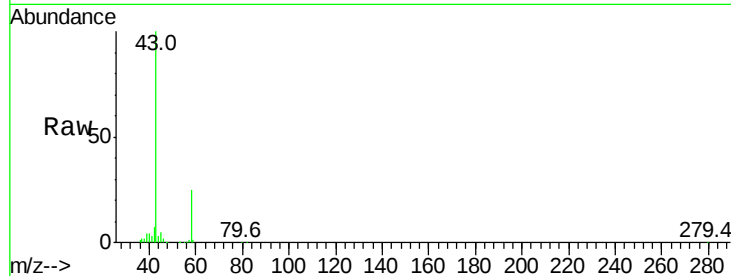


#15
Acetone
Concen: 4.006 ppbv
RT: 3.82
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 16:48

Tot Ion:
Ion Ratio
43 100
58 26.

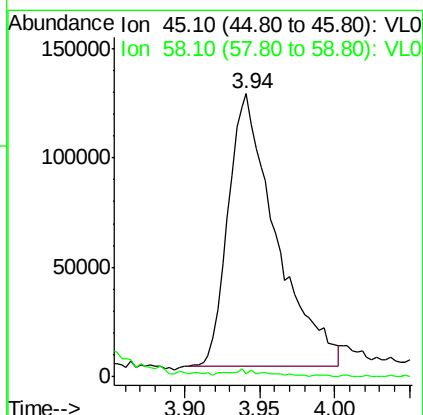
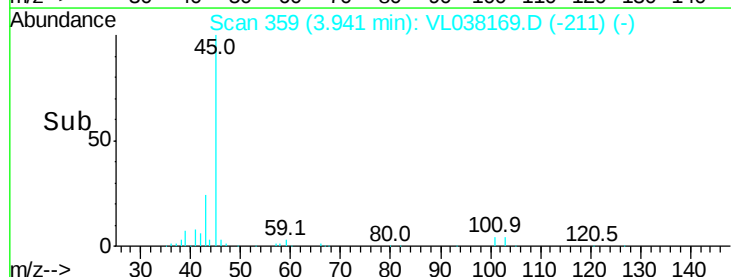
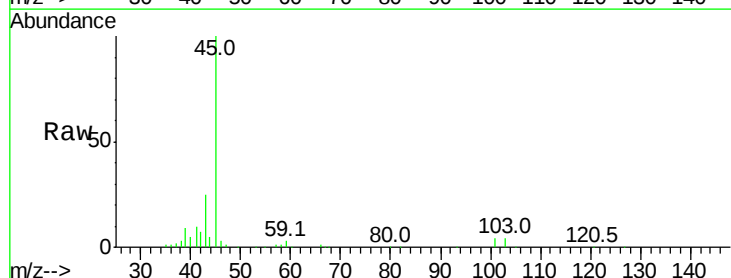
Manual Integrations
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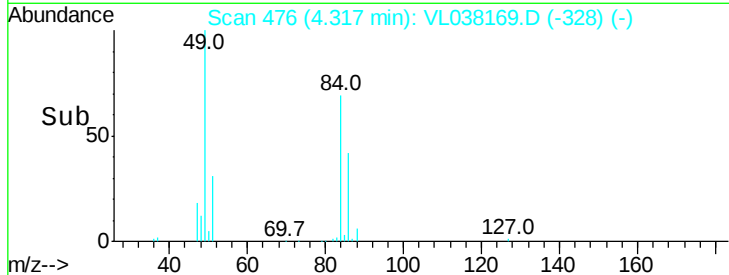
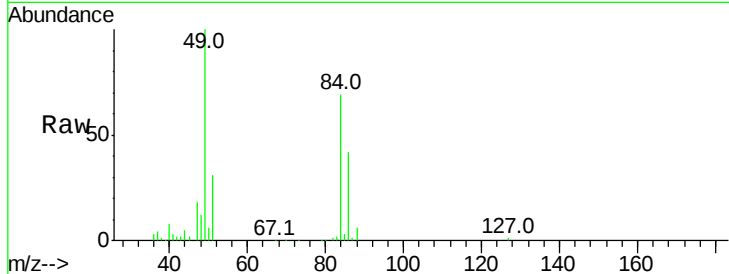
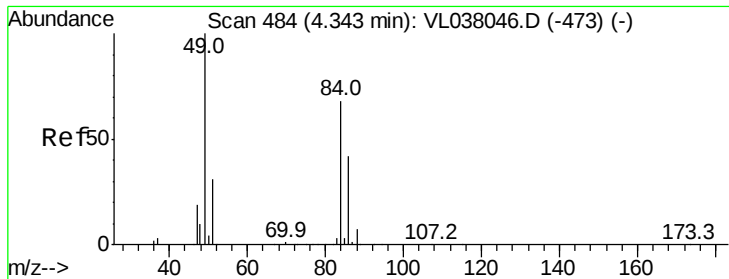
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#19
Isopropyl Alcohol
Concen: 4.759 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.03 min
Lab File: VL038169.D
Acq: 14 Dec 2021 16:48

Tgt Ion: 45 Resp: 277733
Ion Ratio Lower Upper
45 100
58 1.9 1.4 2.0



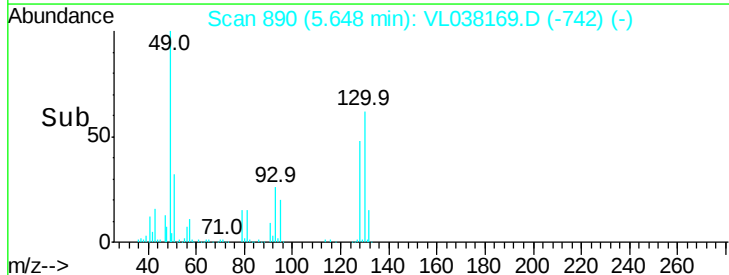
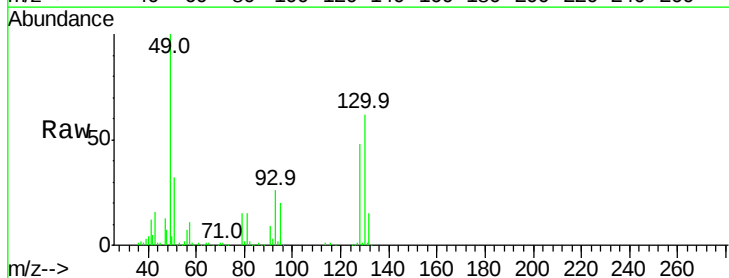
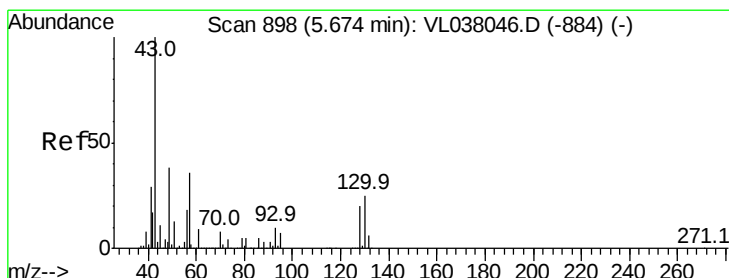
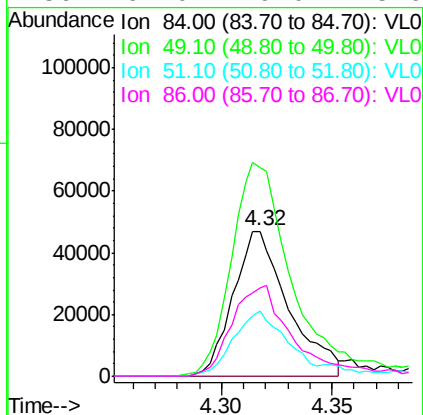


#20
Methvlene Chloride
Concen: 1.807 ppbv
RT: 4.32
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 16:48

Tot Ion:
Ion Ratio
84 100
49 142.
51 44.
86 61.0 49.0 73.6

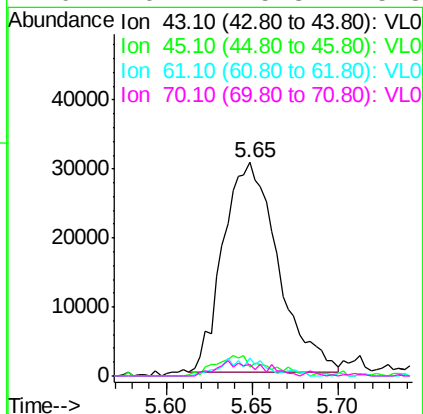
Manual Integrations
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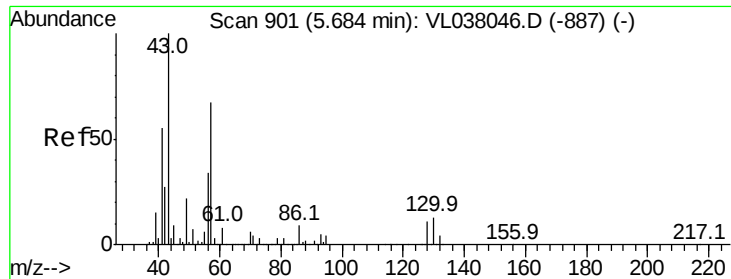
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#25
Ethyl Acetate
Concen: 0.252 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.03 min
Lab File: VL038169.D
Acq: 14 Dec 2021 16:48

Tgt Ion: 43 Resp: 67725
Ion Ratio Lower Upper
43 100
45 10.0 7.9 11.9
61 7.2 7.8 11.6#
70 6.2 5.8 8.8

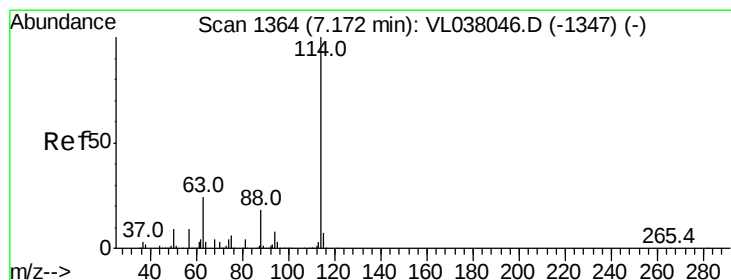
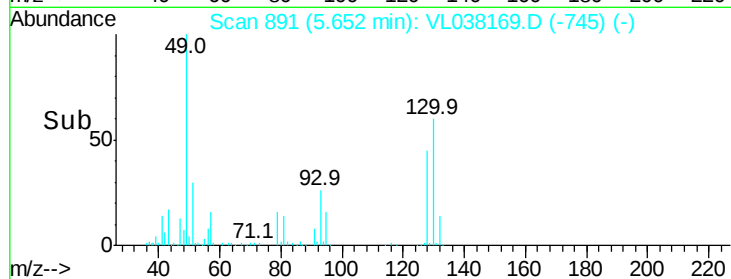
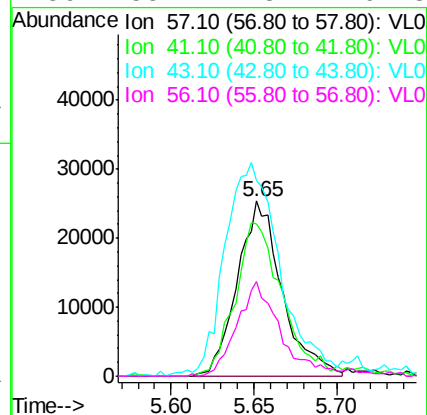
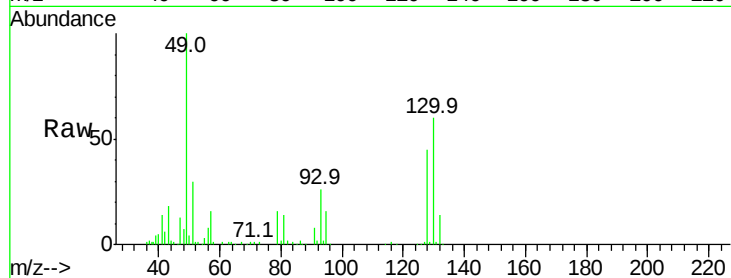




#26
Hexane
Concen: 0.368 ppbv
RT: 5.65
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 16:48

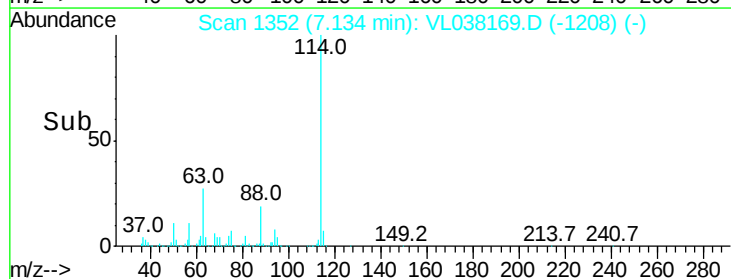
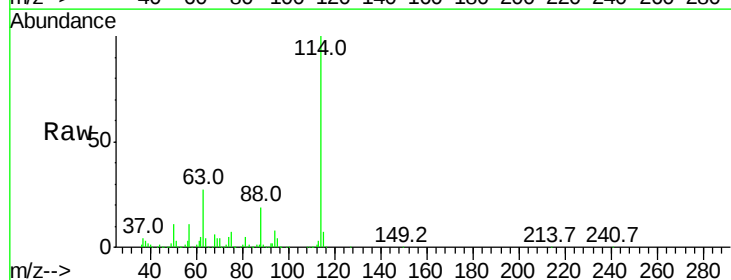
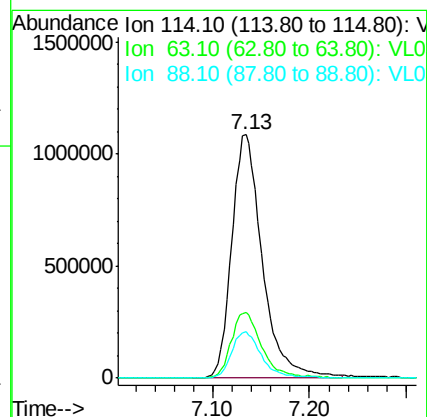
Tot Ion: Manual Integrations
Ion Ratio APPROVED
57 100
41 96.
43 159.
56 55.4 43.2 64.8

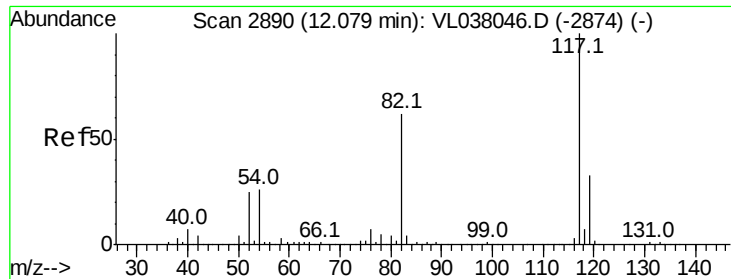
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.04 min
Lab File: VL038169.D
Acq: 14 Dec 2021 16:48

Tgt Ion:114 Resp: 2390463
Ion Ratio Lower Upper
114 100
63 27.4 19.7 29.5
88 19.0 14.4 21.6



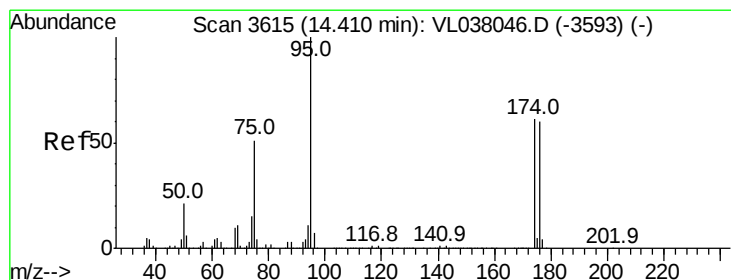
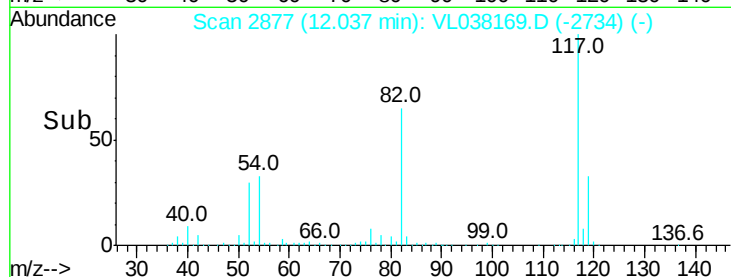
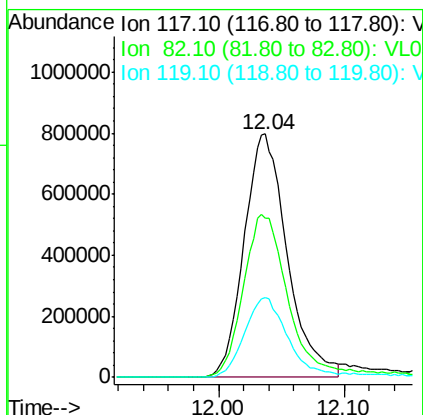
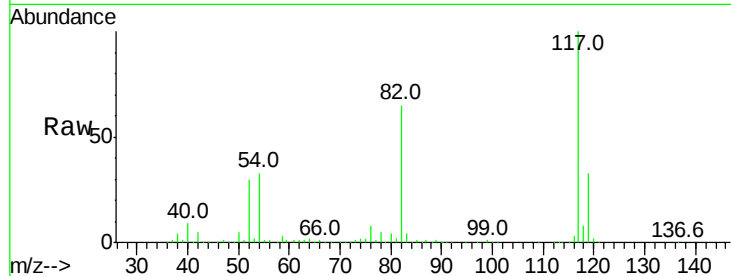


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 16:48

Tot Ion: 1
Ion Ratio
117 100
82 74.
119 34.

Manual Integrations
APPROVED

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Supervised By :Semsettin Yesilyurt 12/16/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 10.891 ppbv
RT: 14.37 min Scan# 3602
Delta R.T.: -0.04 min
Lab File: VL038169.D
Acq: 14 Dec 2021 16:48

Tgt Ion: 95 Resp: 1499829
Ion Ratio Lower Upper
95 100
174 65.7 53.1 79.7
175 4.6 4.0 6.0

