

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038036.D
 Acq On : 16 Nov 2021 12:30
 Operator : SY/AP
 Sample : M4526-01DL 2.5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 E058-1100DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/17/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 17 09:14:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 09:59:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	848113	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2688252	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2365225	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1770537	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	625585	8.307	ppbv	97
10) Heptane	8.11	43	1789216	8.742	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	851533	6.444	ppbv	97
24) 1,1-Dichloroethane	5.01	63	1107517	8.598	ppbv	98
26) Hexane	5.68	57	1668423	14.158	ppbv #	44
30) Cyclohexane	7.12	84	1105715	8.332	ppbv	99
36) Benzene	6.88	78	1991807	7.789	ppbv	99
48) Dibromochloromethane	10.29	129	1211990	7.424	ppbv	98
53) Toluene	9.79	91	2237690	7.483	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1907074	13.557	ppbv	98

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

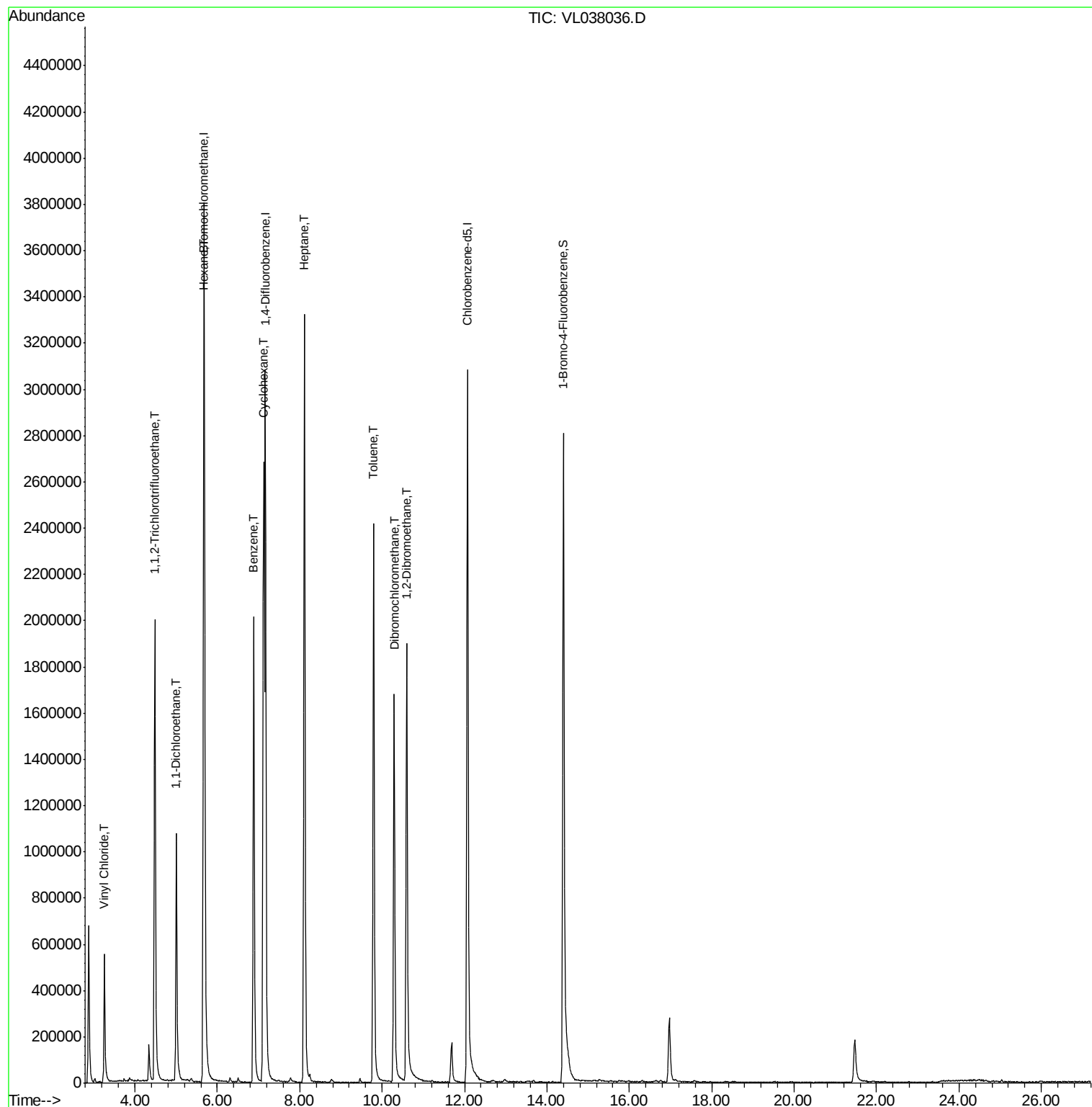
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
Data File : VL038036.D
Acq On : 16 Nov 2021 12:30
Operator : SY/AP
Sample : M4526-01DL 2.5X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

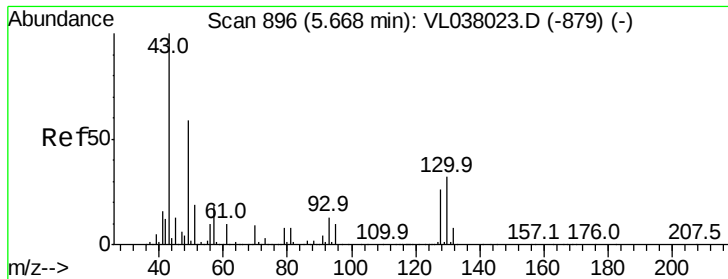
Instrument :
MSVOA_L
ClientSampleId :
E058-1100DL

Quant Time: Nov 17 09:14:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Nov 16 09:59:16 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Nov 2021 12:30

Tot Ion:

Ion Ratio

49 100

128 52.

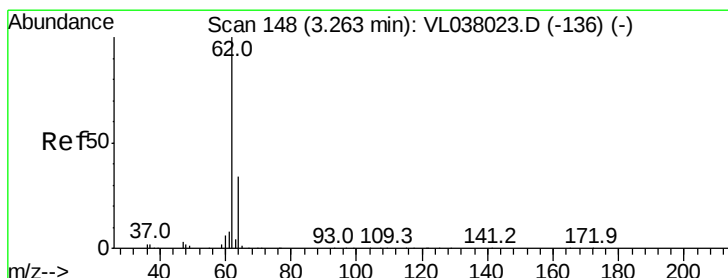
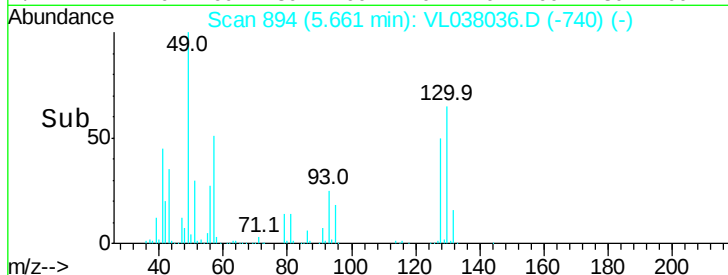
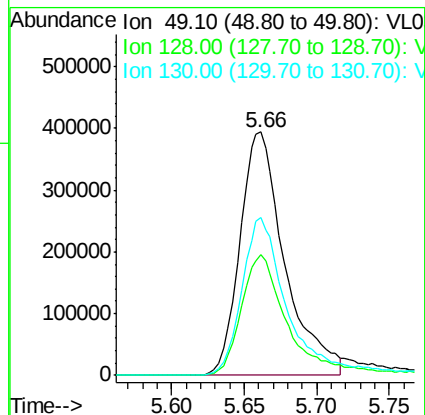
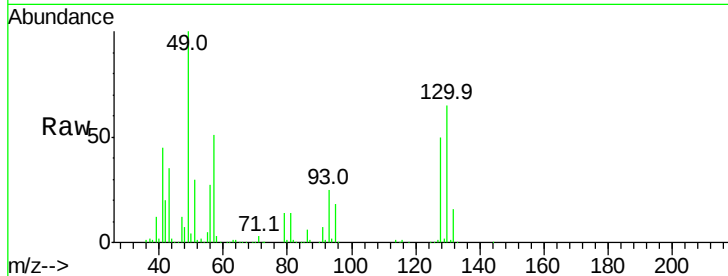
130 67.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#5

Vinyl Chloride

Concen: 8.307 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL038036.D

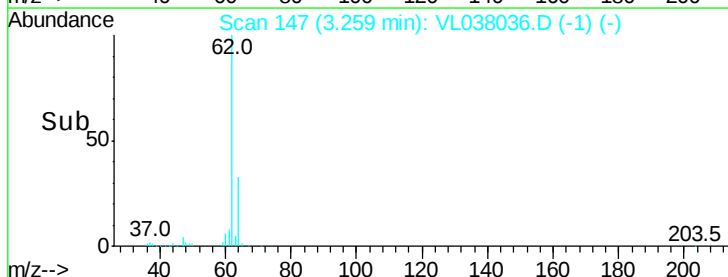
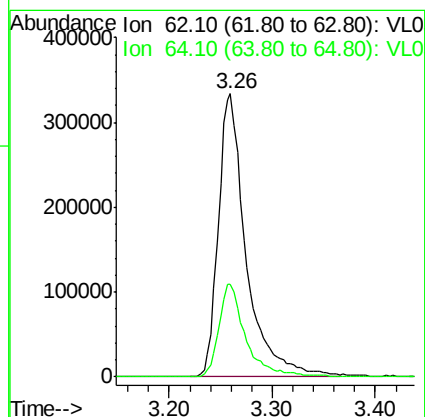
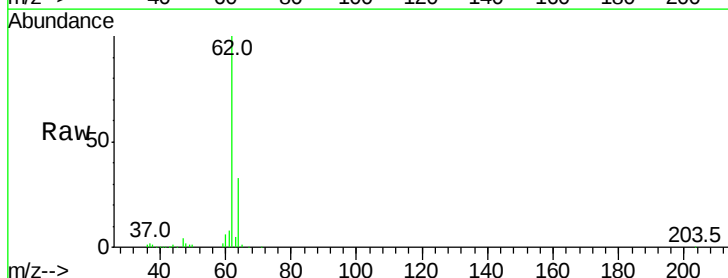
Acq: 16 Nov 2021 12:30

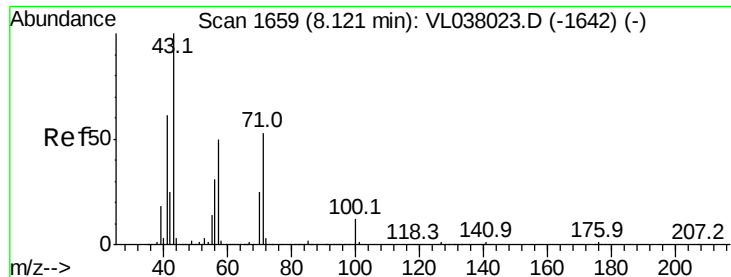
Tgt Ion: 62 Resp: 625585

Ion Ratio Lower Upper

62 100

64 32.6 27.4 41.0



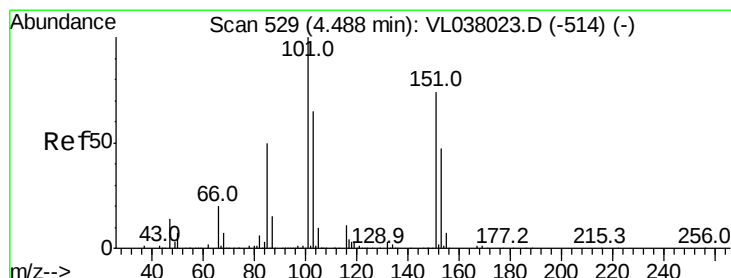
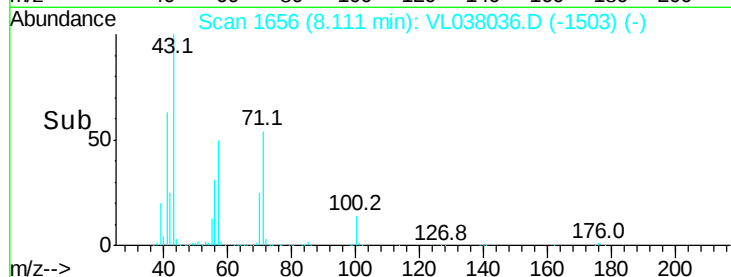
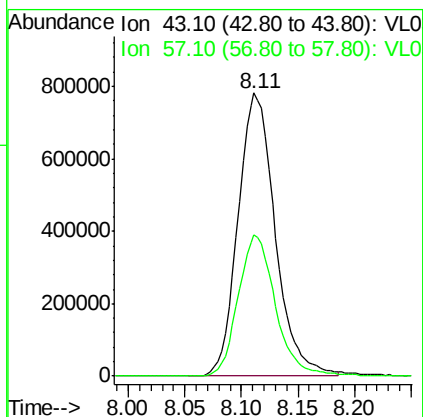
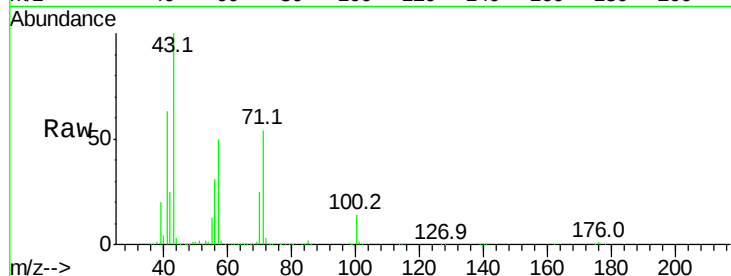


#10
 Heptane
 Concen: 8.742 ppbv
 RT: 8.11
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampled :
 E058-1100DL
 Acq: 16 Nov 2021 12:30

Tot Ion:
 Ion Ratio
 43 100
 57 50.

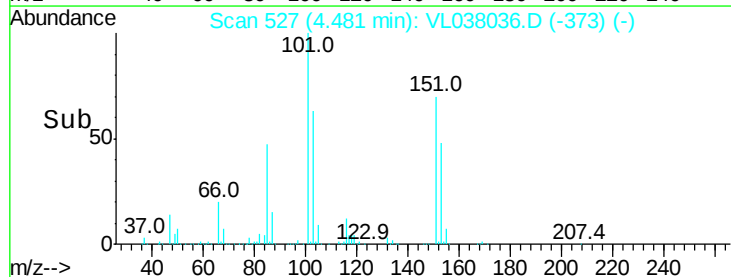
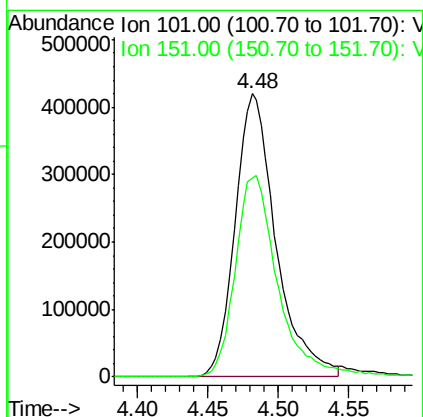
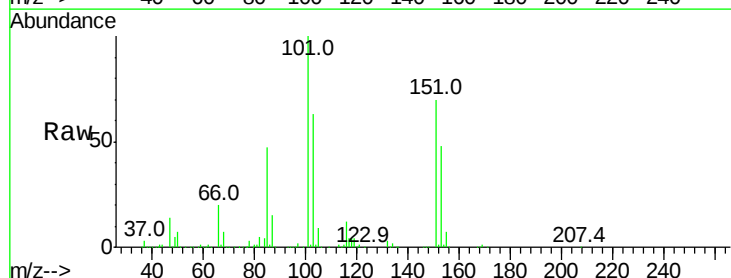
Manual Integrations
 APPROVED

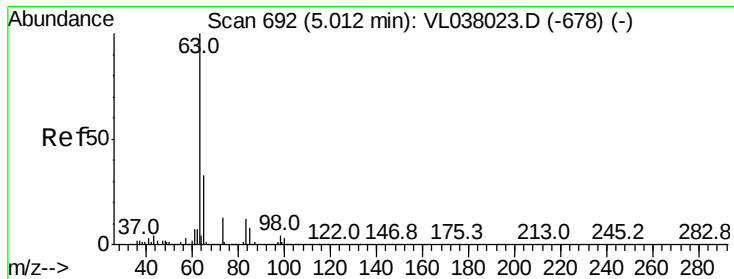
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.444 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL038036.D
 Acq: 16 Nov 2021 12:30

Tgt Ion:101 Resp: 851533
 Ion Ratio Lower Upper
 101 100
 151 74.9 57.8 86.8





#24

1,1-Dichloroethane

Concen: 8.598 ppbv

RT: 5.01 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 16 Nov 2021 12:30

Tot Ion:

Ion Ratio

63 100

98 4.

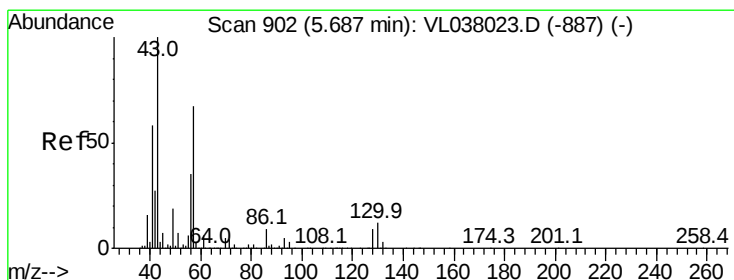
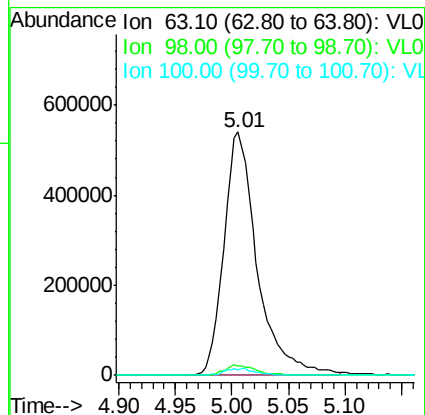
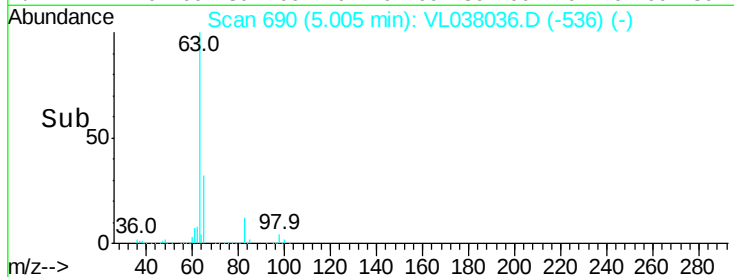
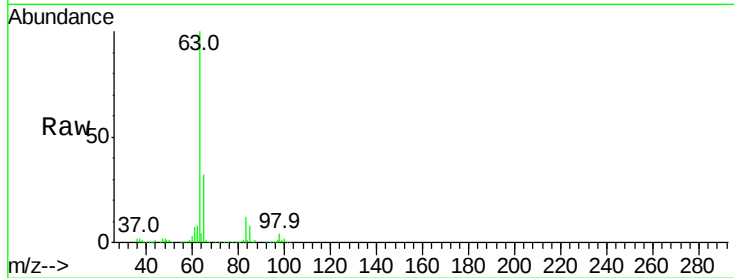
100 2.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#26

Hexane

Concen: 14.158 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL038036.D

Acq: 16 Nov 2021 12:30

Tgt Ion: 57 Resp: 1668423

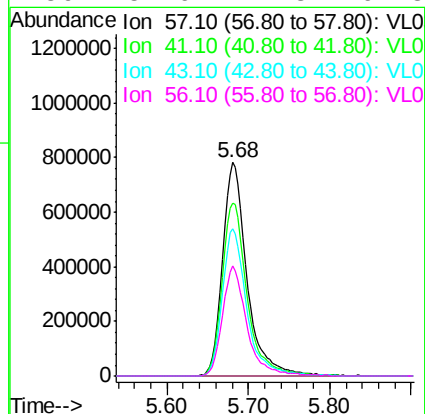
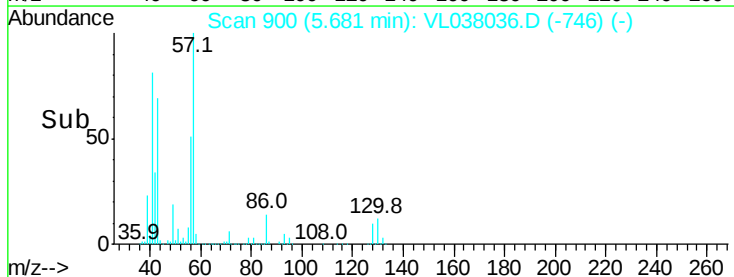
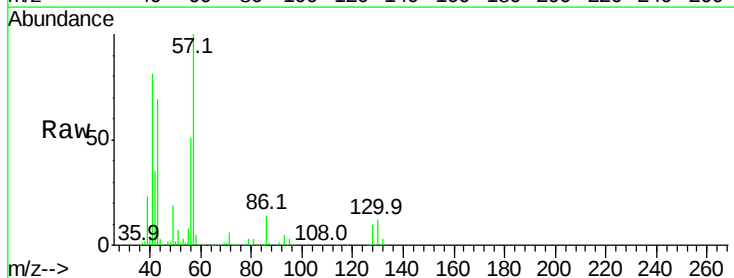
Ion Ratio Lower Upper

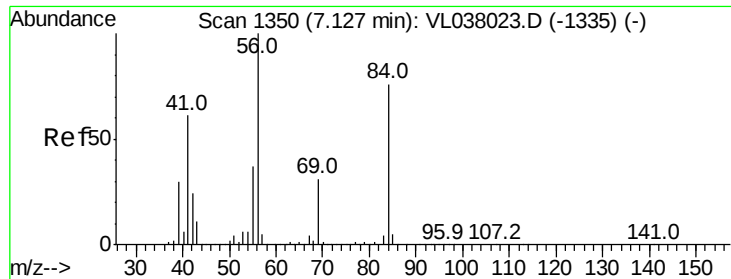
57 100

41 83.2 70.8 106.2

43 69.0 169.4 254.0#

56 51.6 41.8 62.8



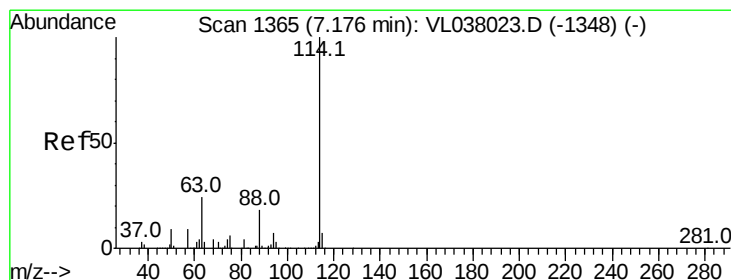
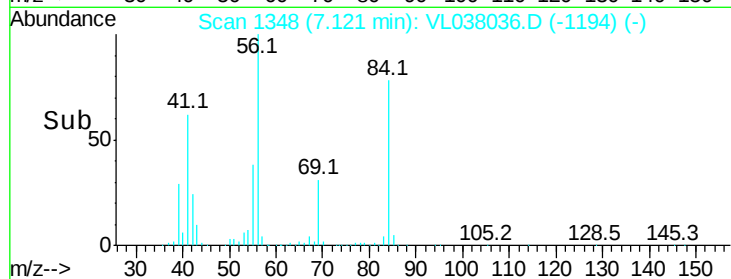
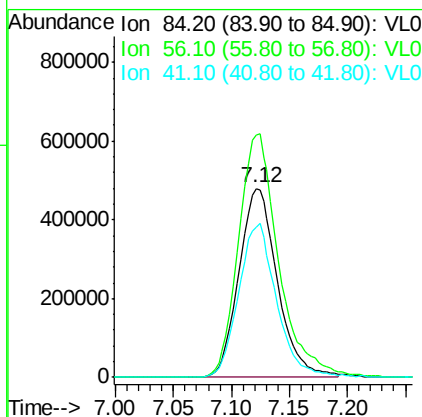
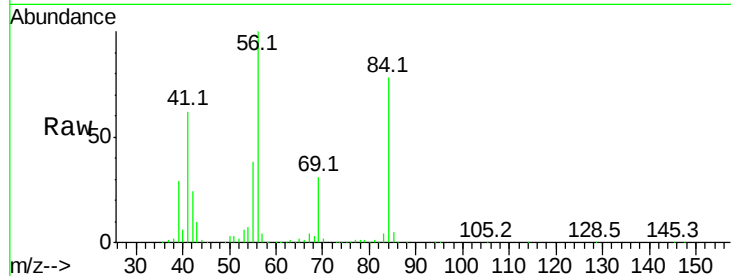


#30
Cvclohexane
Concen: 8.332 ppbv
RT: 7.12
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
E058-1100DL
Acq: 16 Nov 2021 12:30

Tot Ion:
Ion Ratio
84 100
56 135.
41 80.

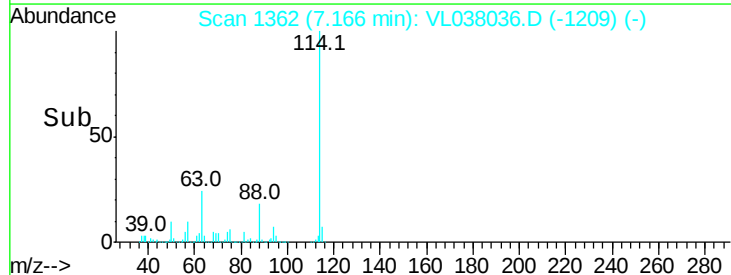
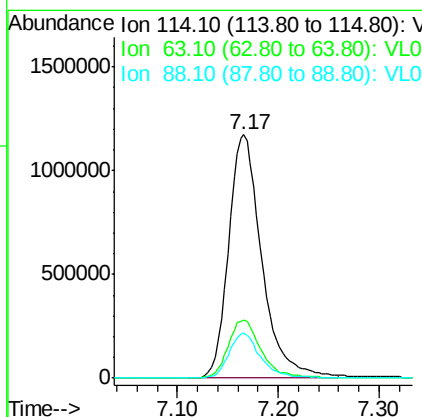
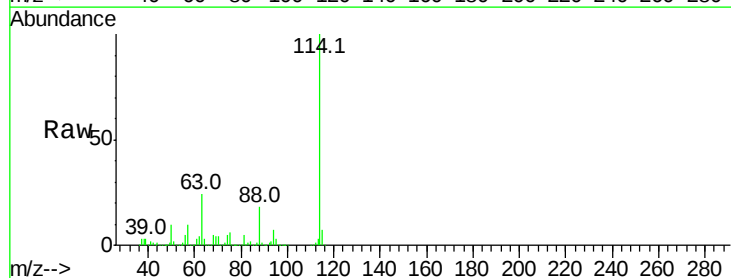
Manual Integrations
APPROVED

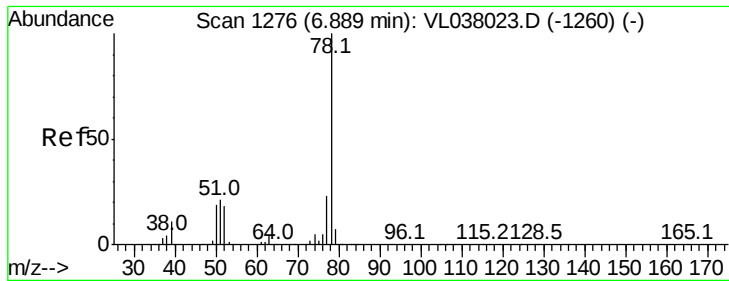
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL038036.D
Acq: 16 Nov 2021 12:30

Tgt Ion:114 Resp: 2688252
Ion Ratio Lower Upper
114 100
63 24.3 19.8 29.6
88 18.0 14.6 21.8



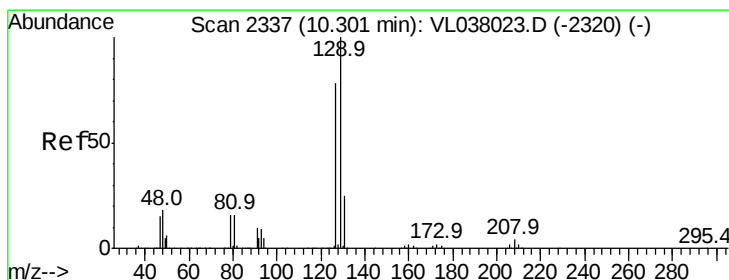
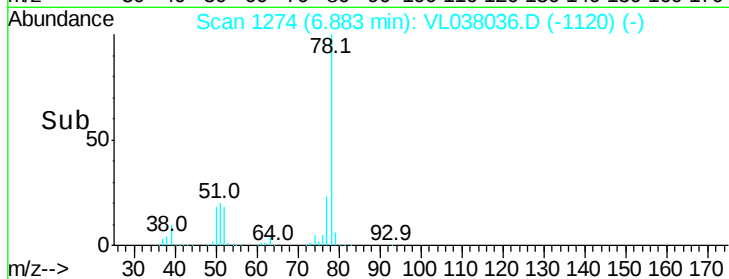
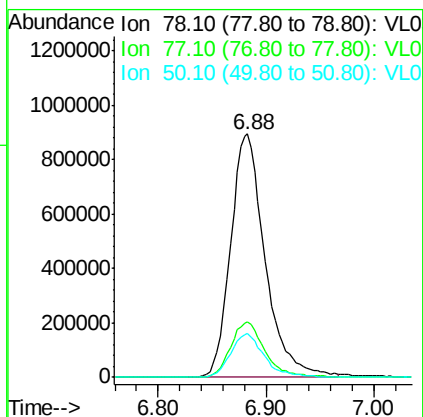
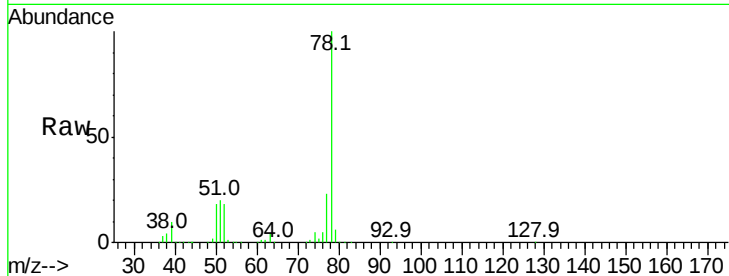


#36
Benzene
Concen: 7.789 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
E058-1100DL
Acq: 16 Nov 2021 12:30

Tot Ion:
Ion Ratio
78 100
77 22.
50 18.

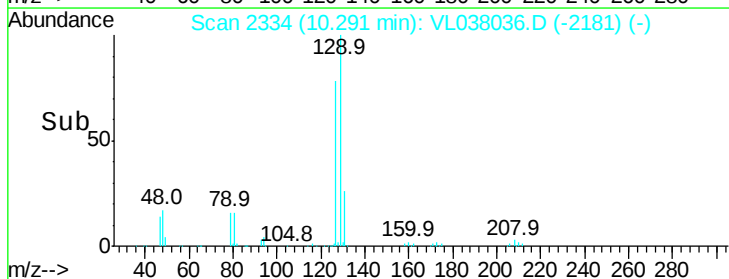
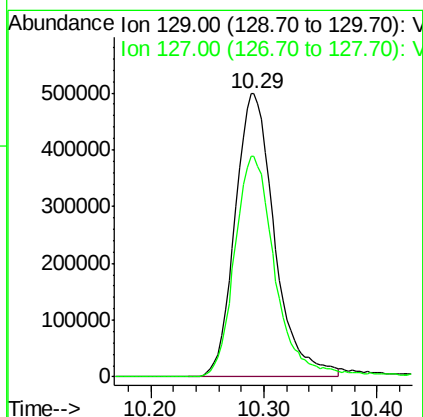
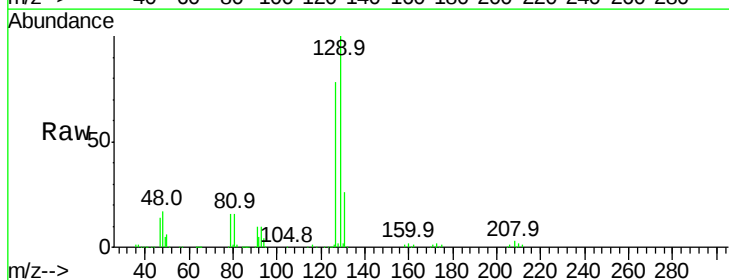
Manual Integrations
APPROVED

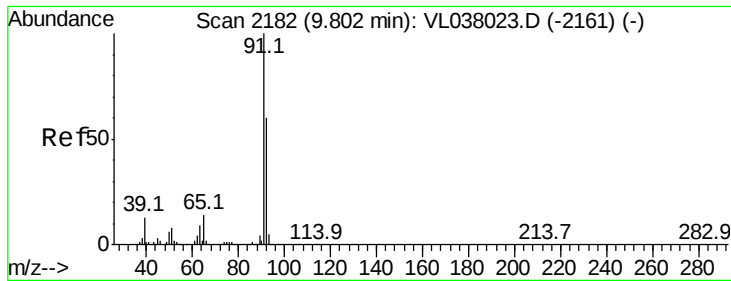
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#48
Dibromochloromethane
Concen: 7.424 ppbv
RT: 10.29 min Scan# 2334
Delta R.T. -0.01 min
Lab File: VL038036.D
Acq: 16 Nov 2021 12:30

Tgt Ion:129 Resp: 1211990
Ion Ratio Lower Upper
129 100
127 81.6 40.1 120.3





#53

Toluene

Concen: 7.483 ppbv

RT: 9.79

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 12:30

Tot Ion:

Ion Ratio

91 100

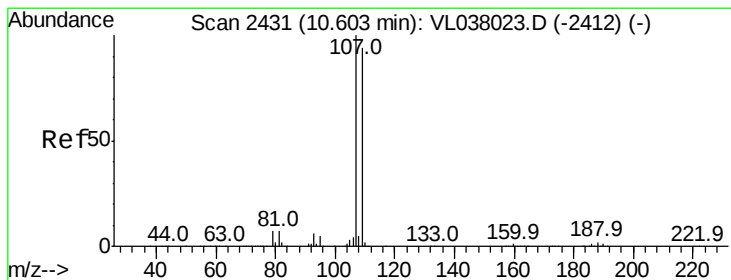
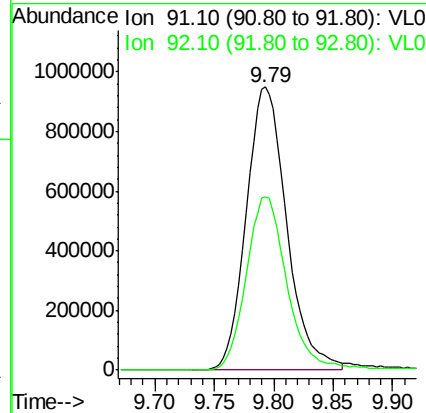
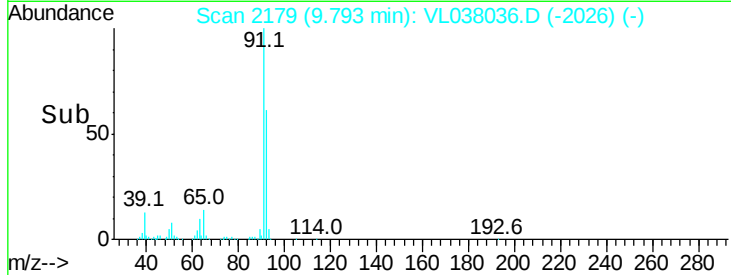
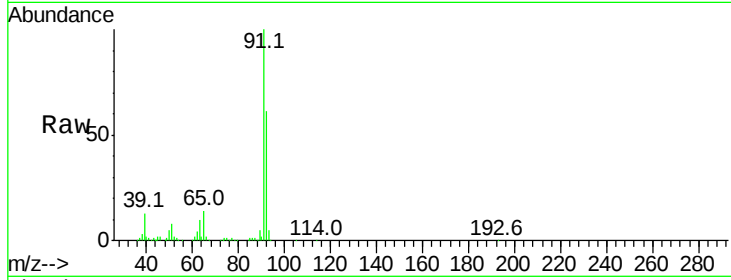
92 62.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#54

1,2-Dibromoethane

Concen: 13.557 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.01 min

Lab File: VL038036.D

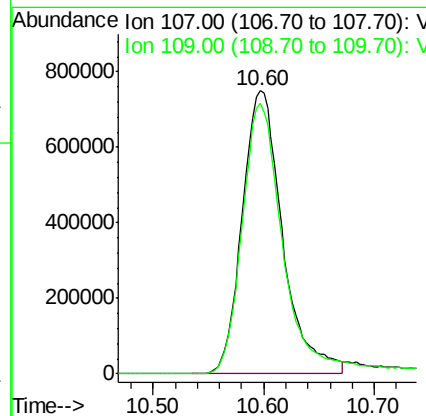
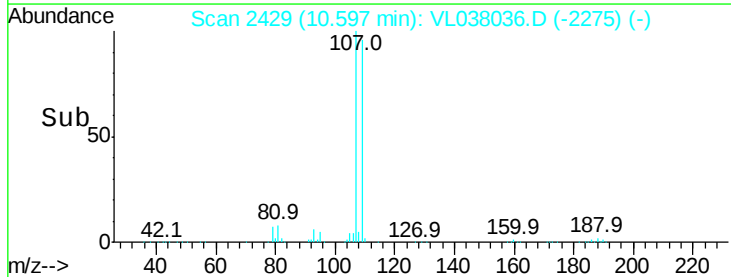
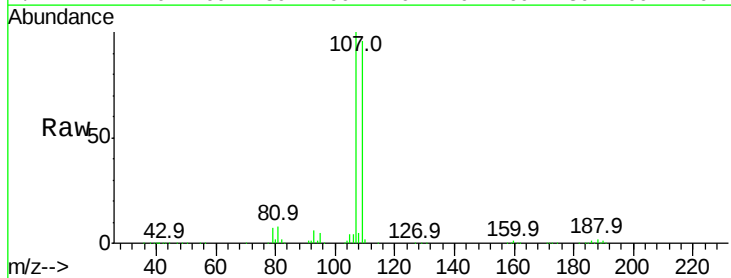
Acq: 16 Nov 2021 12:30

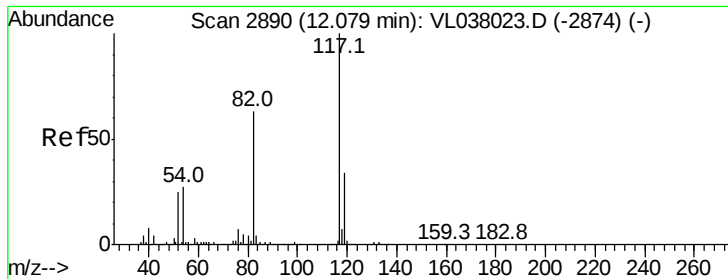
Tgt Ion:107 Resp: 1907074

Ion Ratio Lower Upper

107 100

109 95.7 75.0 112.6



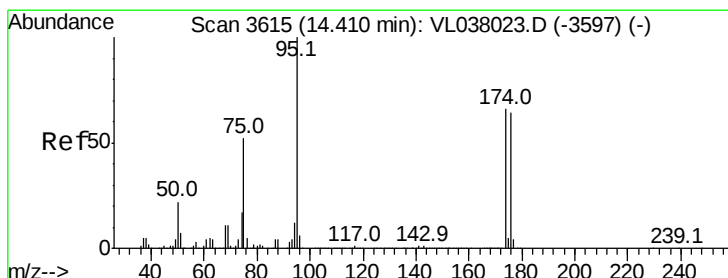
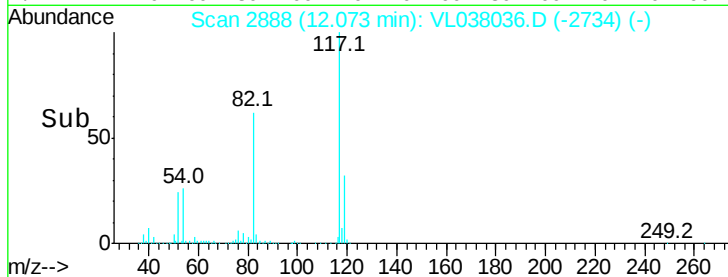
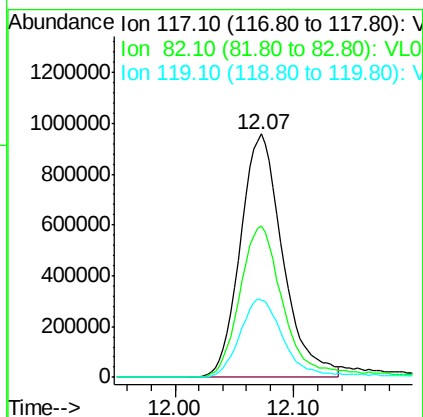
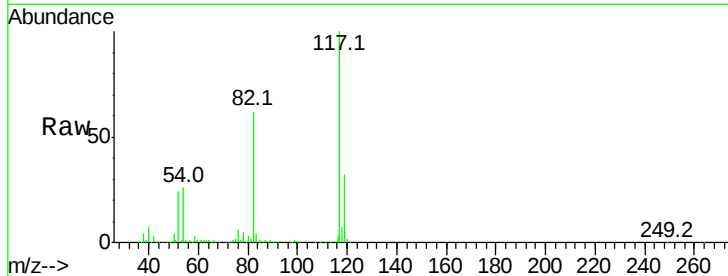


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampled :
E058-1100DL
Acq: 16 Nov 2021 12:30

Tot Ion:1
Ion Rati
117 100
82 66.
119 34.

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 10.361 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.01 min
Lab File: VL038036.D
Acq: 16 Nov 2021 12:30

Tgt Ion: 95 Resp: 1770537
Ion Ratio Lower Upper
95 100
174 68.0 55.0 82.6
175 5.0 4.2 6.2

