

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038034.D
 Acq On : 16 Nov 2021 11:10
 Operator : SY/AP
 Sample : M4526-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 E058-1100DUP

Manual Integrations
 APPROVED

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

Quant Time: Nov 17 09:11:21 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	764664	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2465624	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2228673	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1657123	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	1541081	22.698	ppbv	96
10) Heptane	8.11	43	4103043	22.235	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2131655	17.893	ppbv	99
24) 1,1-Dichloroethane	5.01	63	2866682	24.682	ppbv	100
26) Hexane	5.68	57	3700819	34.832	ppbv #	45
30) Cyclohexane	7.12	84	2614408	21.850	ppbv	96
36) Benzene	6.88	78	4692990	20.009	ppbv	100
48) Dibromochloromethane	10.29	129	2869959	19.168	ppbv	98
53) Toluene	9.79	91	5272256	19.223	ppbv	98
54) 1,2-Dibromoethane	10.60	107	4261619	33.031	ppbv	99

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

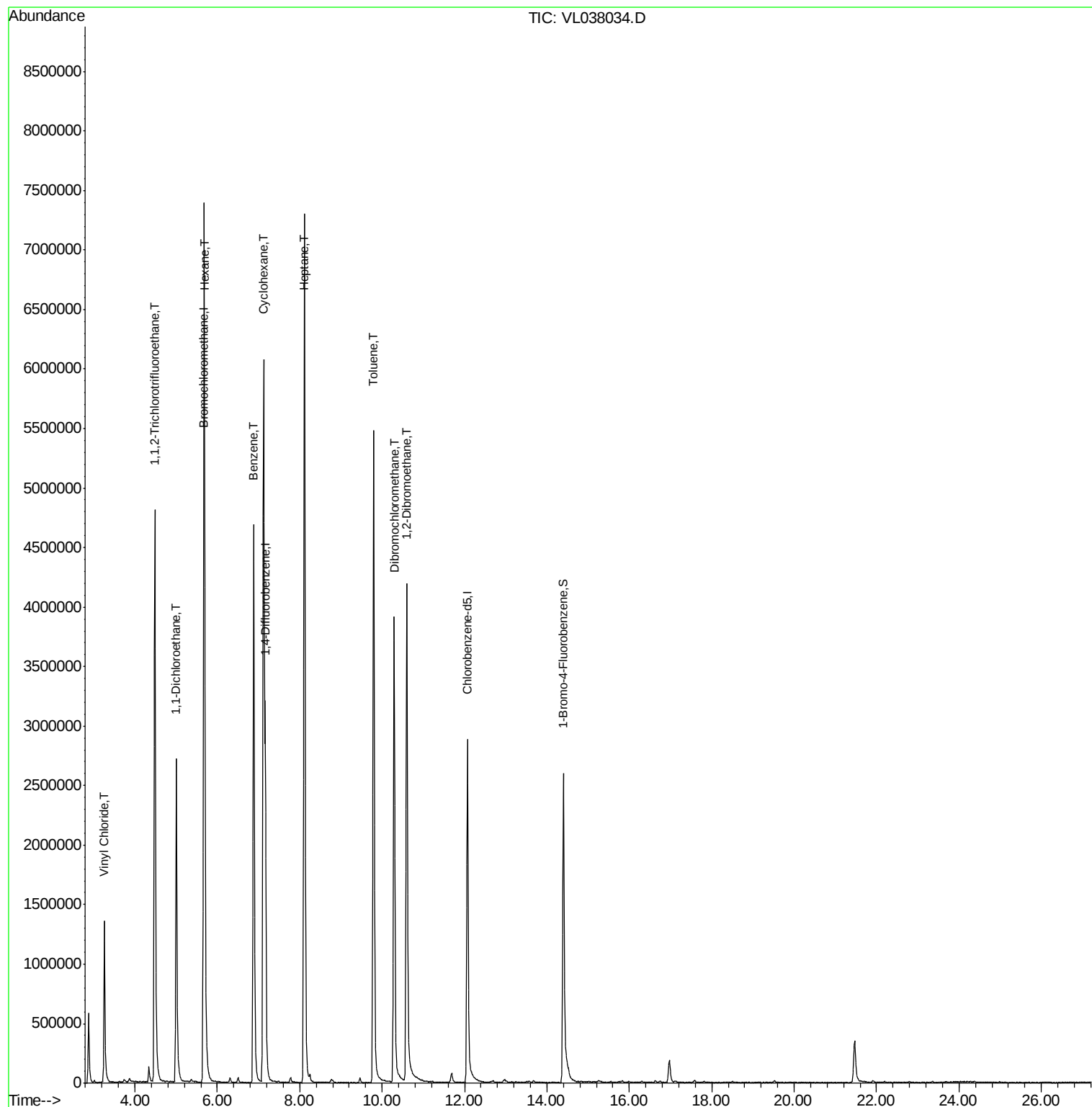
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
Data File : VL038034.D
Acq On : 16 Nov 2021 11:10
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Sample : M4526-01
Misc : 400mL/MSVOA L
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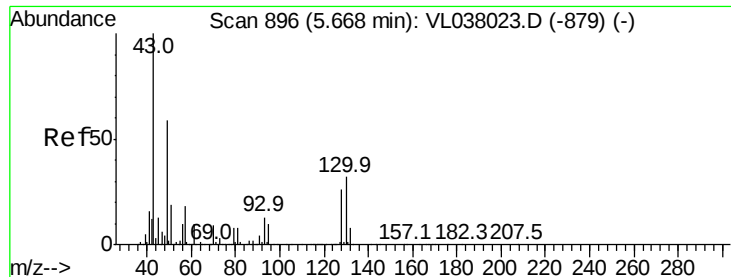
Instrument :
MSVOA_L
ClientSampleId :
E058-1100DUP

Manual Integrations
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Quant Time: Nov 17 09:11:21 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

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 11:10

Tot Ion:

Ion Ratio

49 100

128 51.

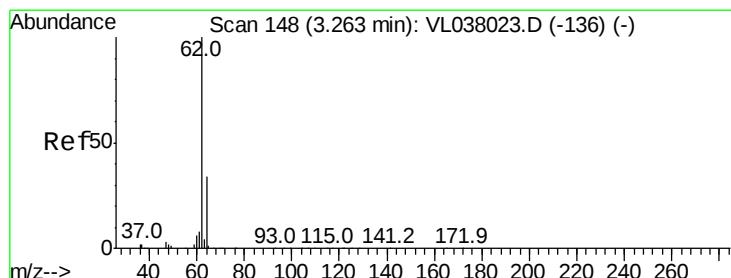
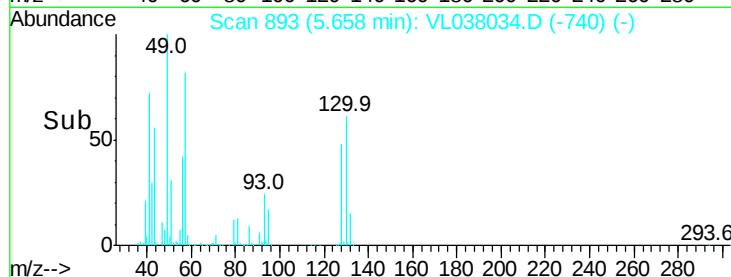
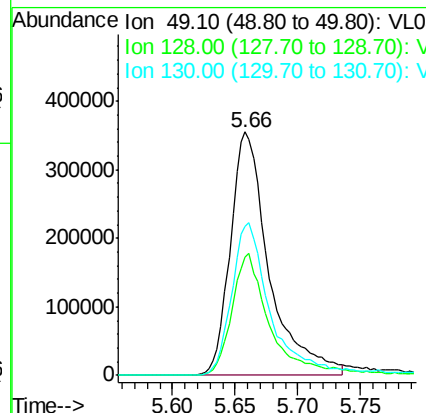
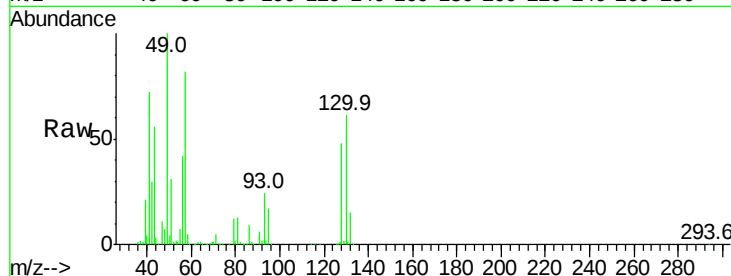
130 65.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#5

Vinyl Chloride

Concen: 22.698 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.01 min

Lab File: VL038034.D

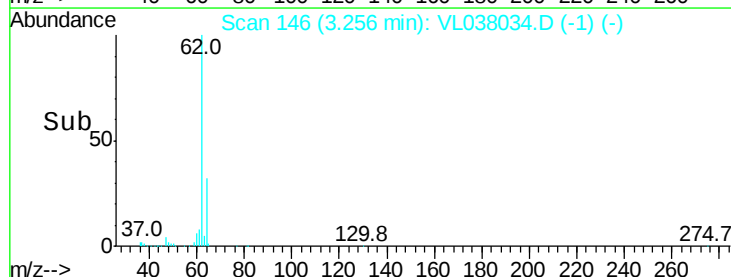
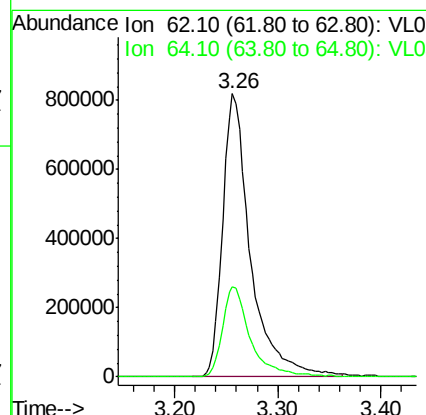
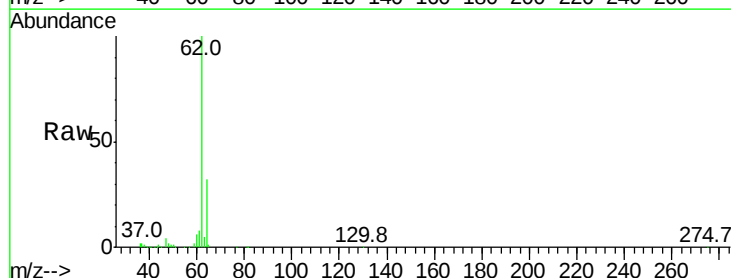
Acq: 16 Nov 2021 11:10

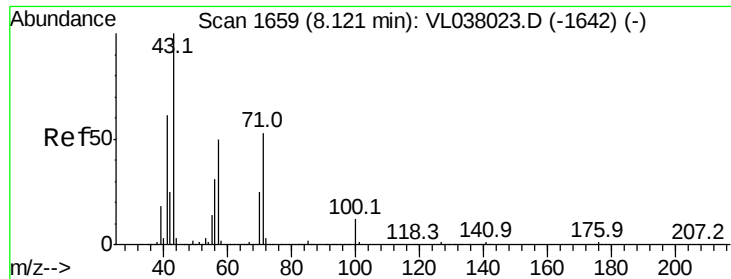
Tgt Ion: 62 Resp: 1541081

Ion Ratio Lower Upper

62 100

64 31.7 27.4 41.0



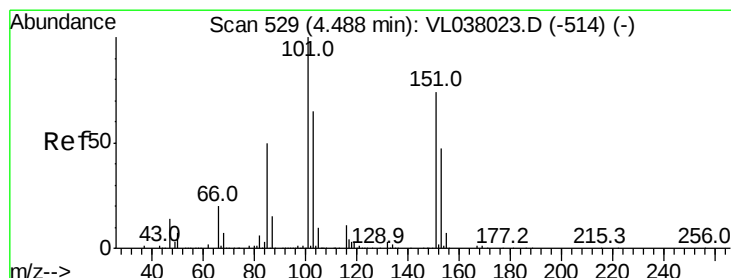
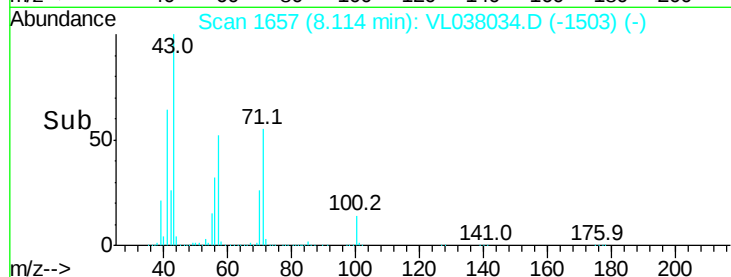
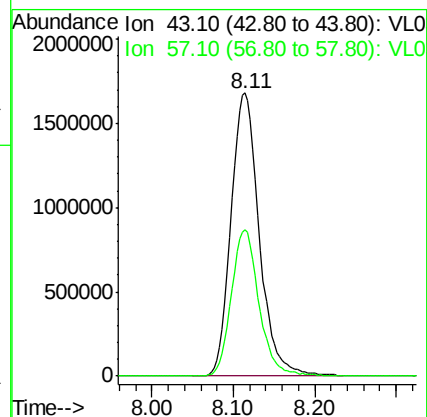
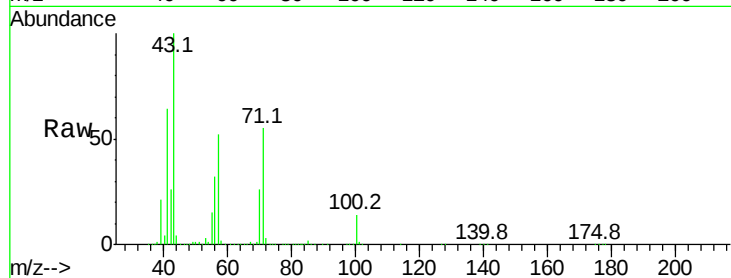


#10
 Heptane
 Concen: 22.235 ppbv
 RT: 8.11
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 E058-1100DUP
 Acq: 16 Nov 2021 11:10

Tot Ion:
 Ion Ratio
 43 100
 57 50.

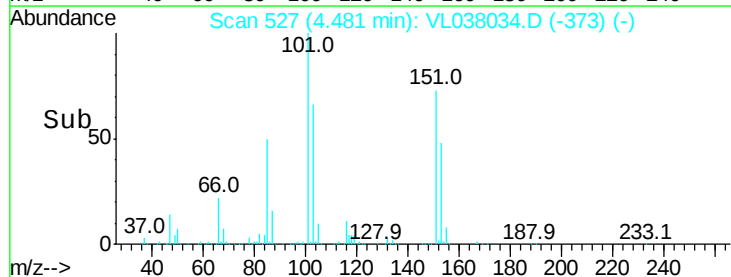
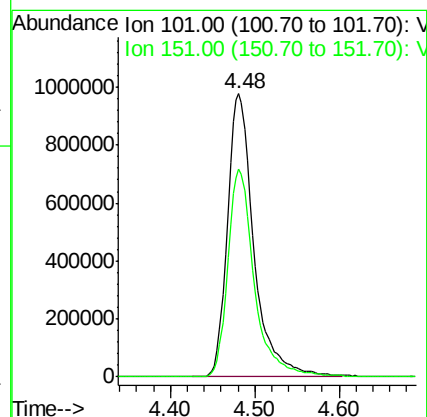
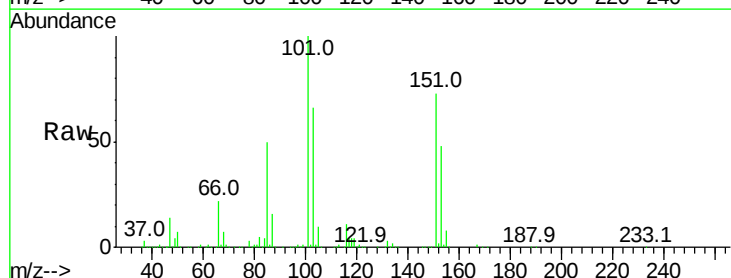
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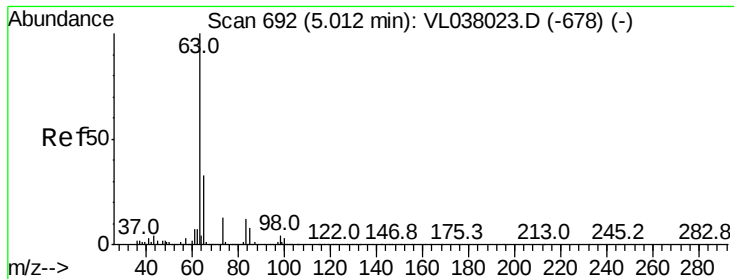
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.893 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL038034.D
 Acq: 16 Nov 2021 11:10

Tgt Ion:101 Resp: 2131655
 Ion Ratio Lower Upper
 101 100
 151 73.5 57.8 86.8





#24

1,1-Dichloroethane

Concen: 24.682 ppbv

RT: 5.01

Delta R.T. MSVOA_L

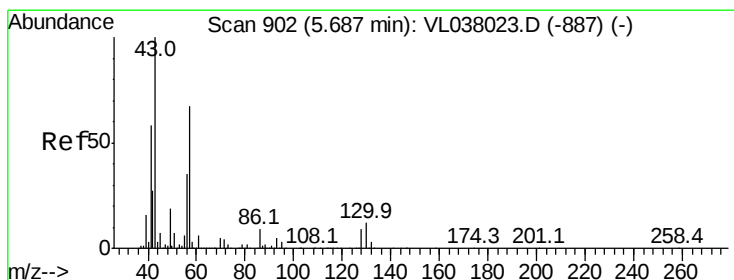
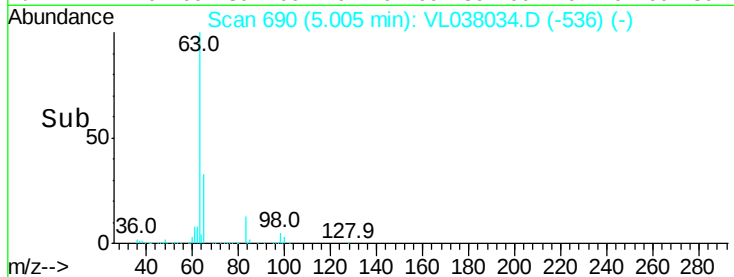
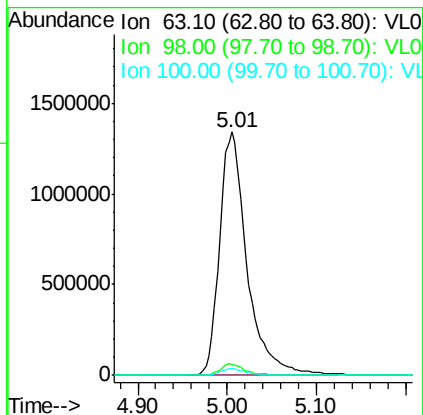
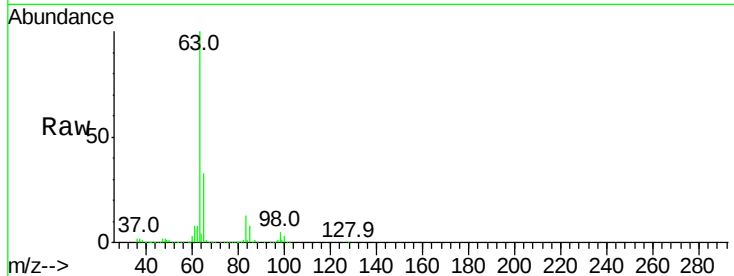
Lab File: ClientSampleId :

Acq: 16 Nov 2021 11:10 E058-1100DUP

Tot Ion:
Ion Ratio
63 100
98 4.
100 2.

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



#26

Hexane

Concen: 34.832 ppbv

RT: 5.68 min Scan# 901

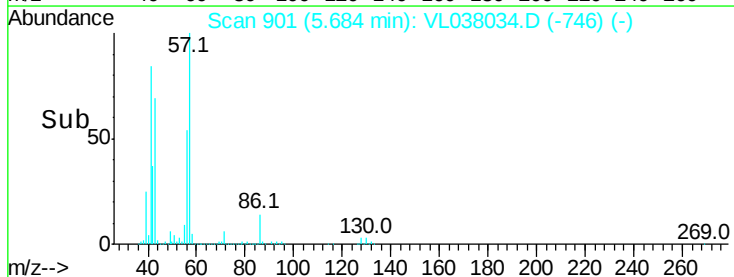
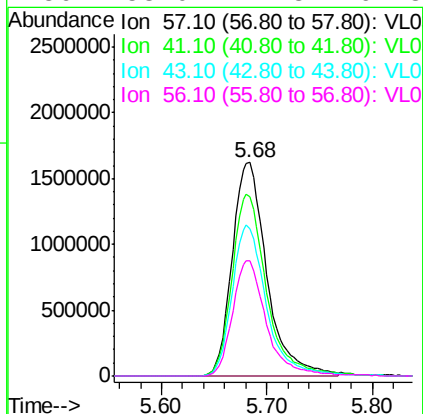
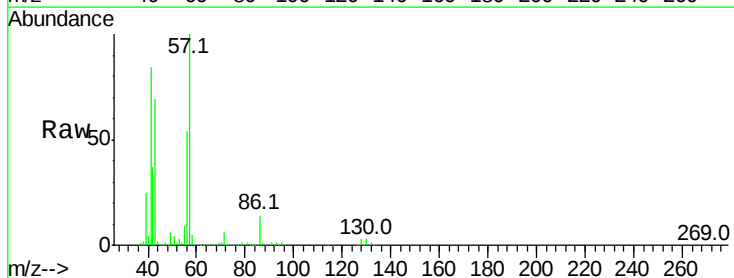
Delta R.T. -0.00 min

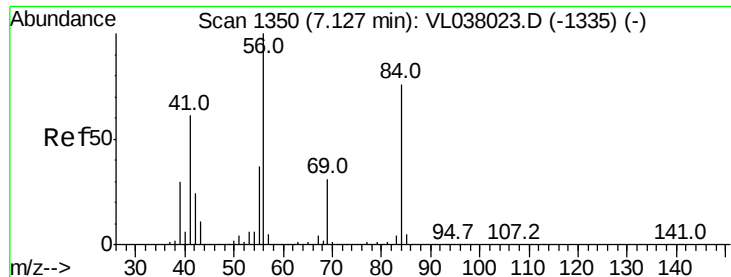
Lab File: VL038034.D

Acq: 16 Nov 2021 11:10

Tgt Ion: 57 Resp: 3700819

Ion	Ratio	Lower	Upper
57	100		
41	85.0	70.8	106.2
43	70.5	169.4	254.0#
56	53.0	41.8	62.8



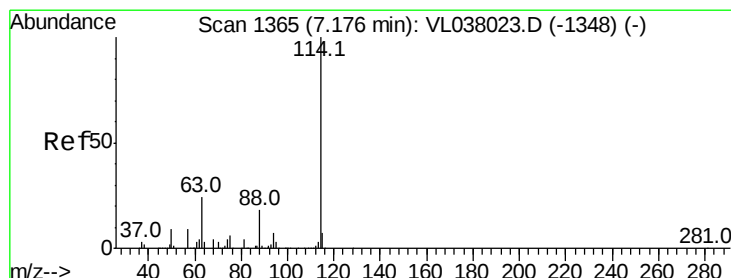
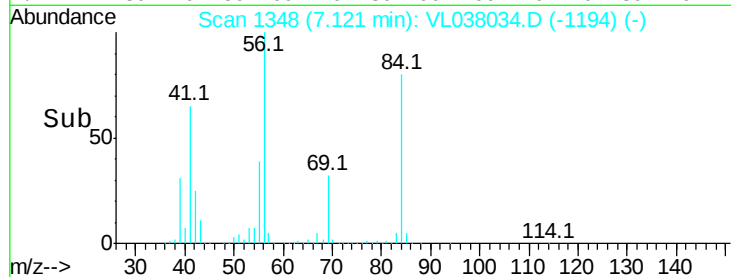
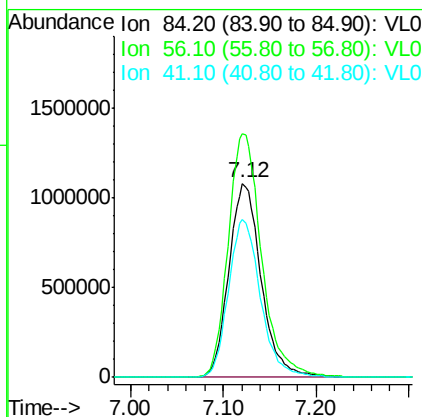
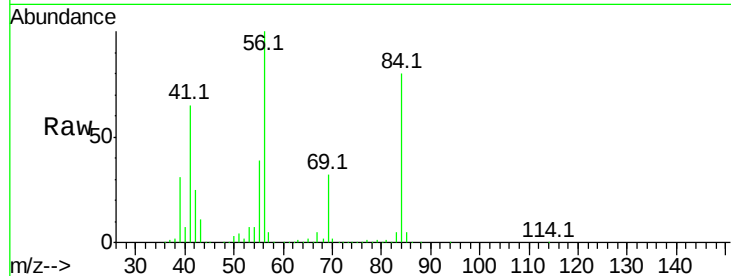


#30
Cyclohexane
Concen: 21.850 ppbv
RT: 7.12
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
E058-1100DUP
Acq: 16 Nov 2021 11:10

Tot Ion:
Ion Ratio
84 100
56 130.
41 81.

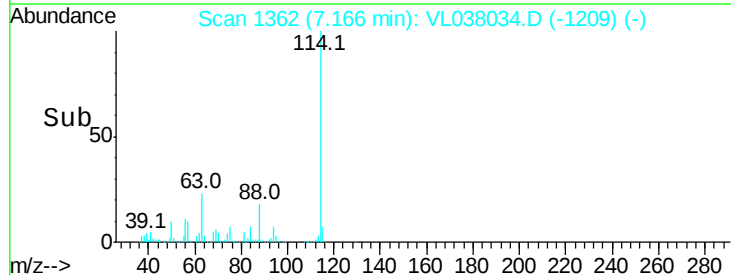
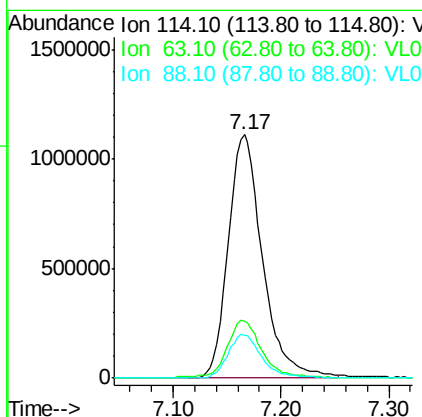
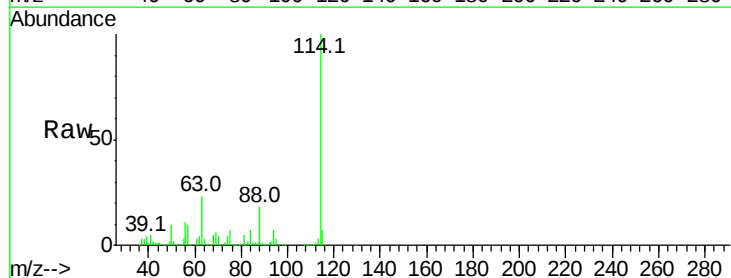
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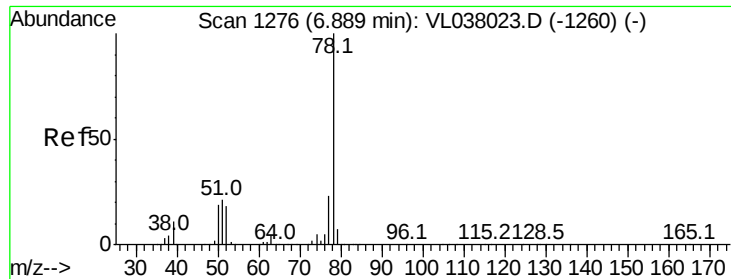
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL038034.D
Acq: 16 Nov 2021 11:10

Tgt Ion:114 Resp: 2465624
Ion Ratio Lower Upper
114 100
63 24.7 19.8 29.6
88 17.9 14.6 21.8



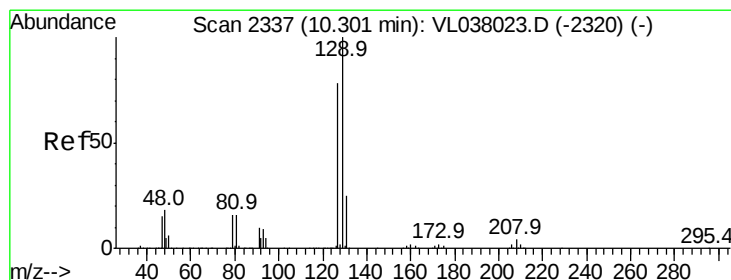
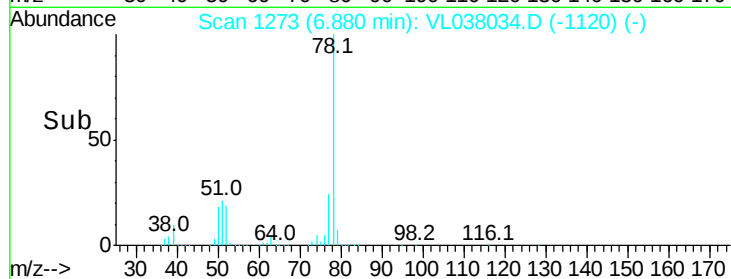
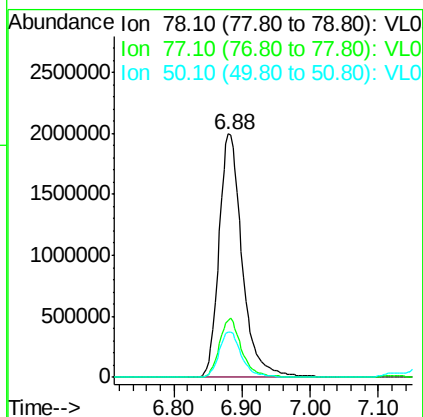
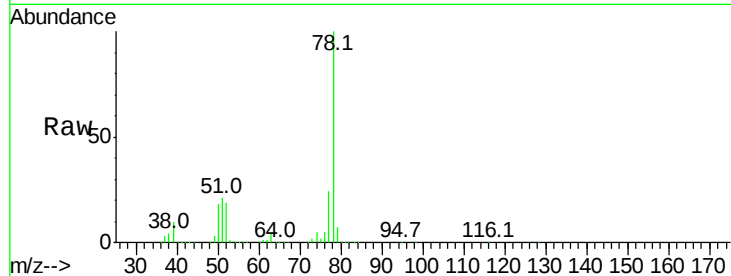


#36
Benzene
Concen: 20.009 ppbv
RT: 6.88
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
E058-1100DUP
Acq: 16 Nov 2021 11:10

Tot Ion:
Ion Ratio
78 100
77 23.
50 18.

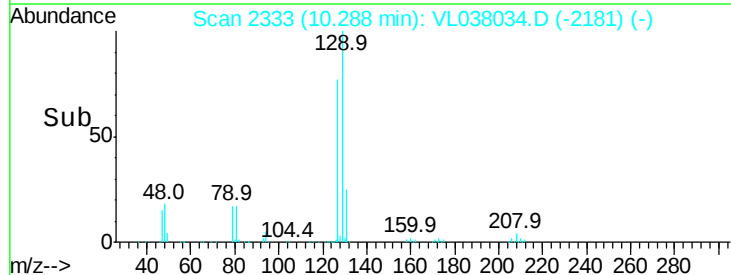
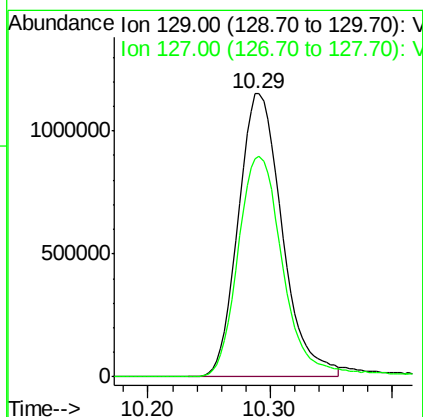
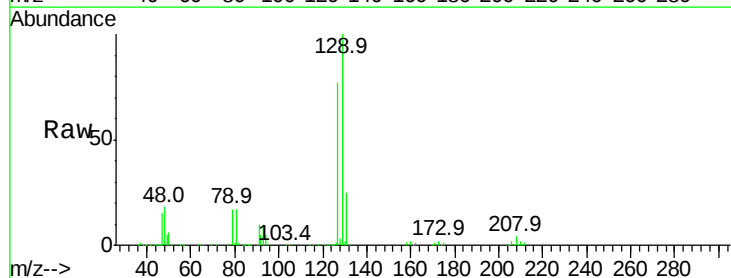
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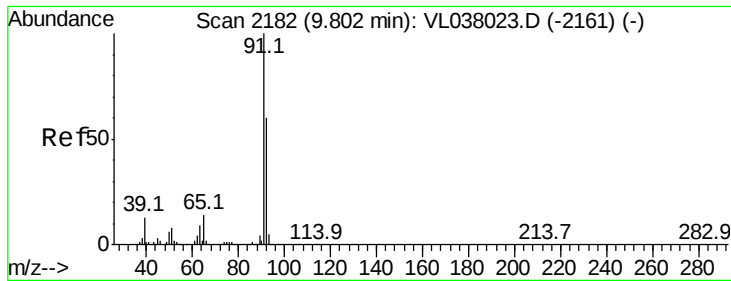
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#48
Dibromochloromethane
Concen: 19.168 ppbv
RT: 10.29 min Scan# 2333
Delta R.T. -0.01 min
Lab File: VL038034.D
Acq: 16 Nov 2021 11:10

Tgt Ion:129 Resp: 2869959
Ion Ratio Lower Upper
129 100
127 82.1 40.1 120.3





#53

Toluene

Concen: 19.223 ppbv

RT: 9.79 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 11:10 E058-1100DUP

Tot Ion:

Ion Ratio

91 100

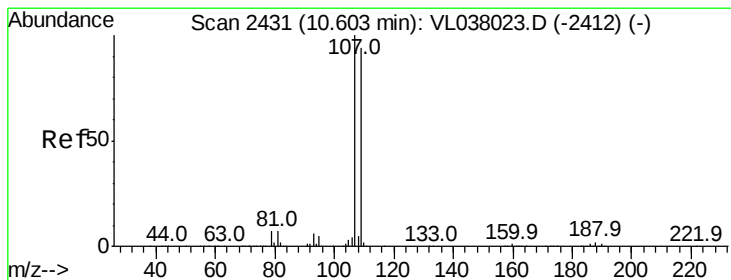
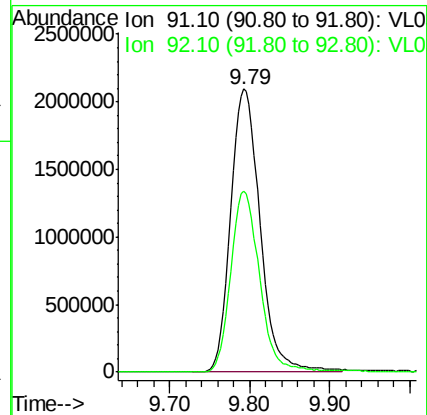
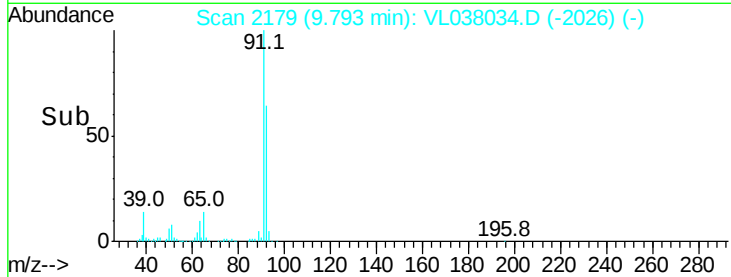
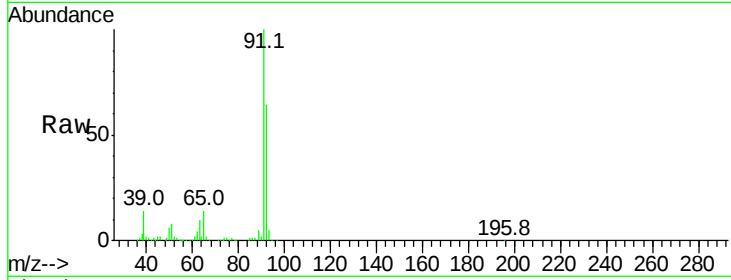
92 63.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#54

1,2-Dibromoethane

Concen: 33.031 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VL038034.D

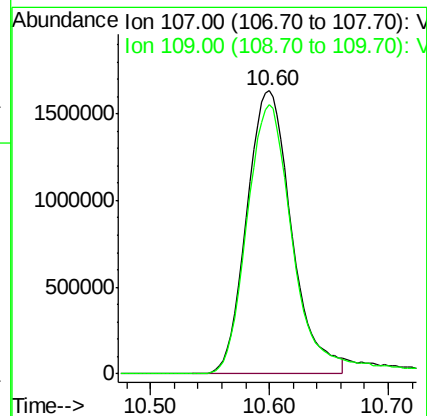
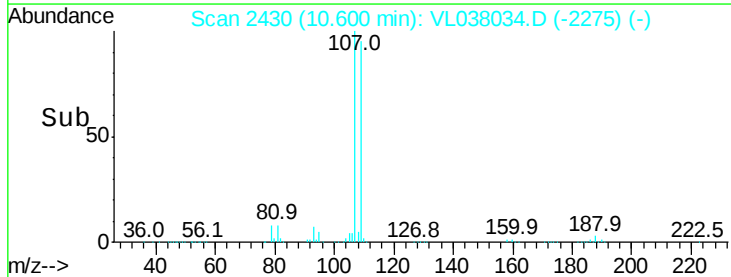
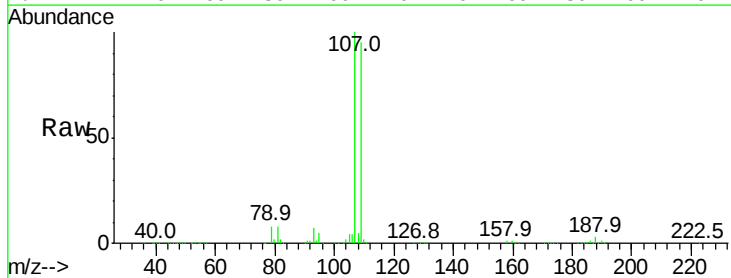
Acq: 16 Nov 2021 11:10

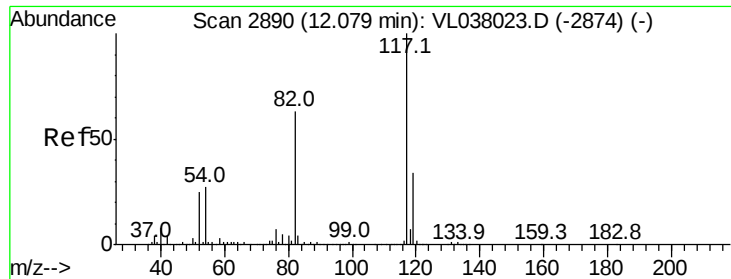
Tgt Ion:107 Resp: 4261619

Ion Ratio Lower Upper

107 100

109 95.0 75.0 112.6



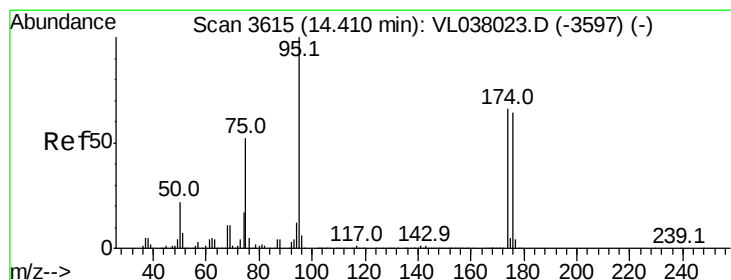
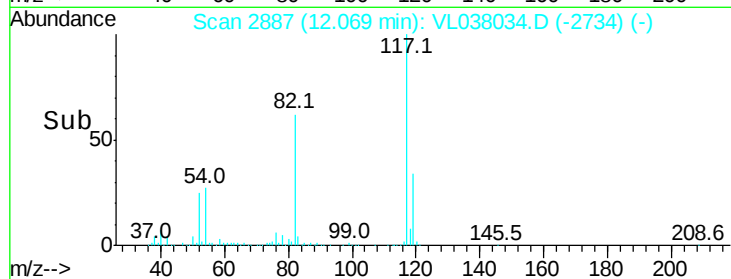
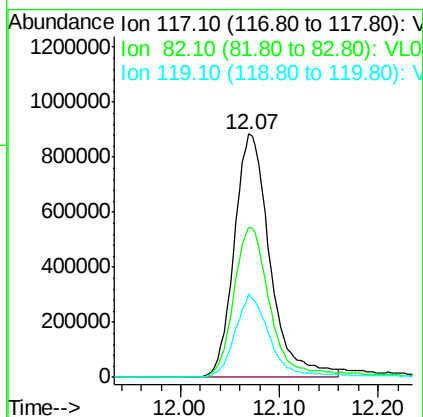
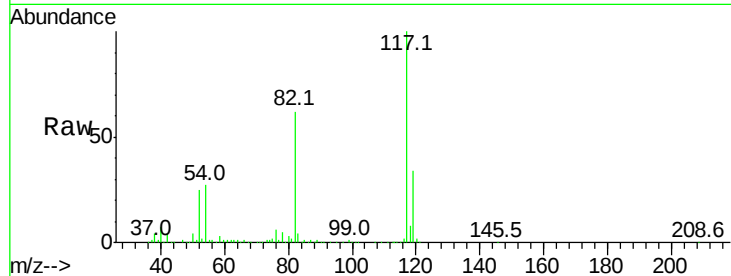


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
E058-1100DUP
Acq: 16 Nov 2021 11:10

Tot Ion: 1
Ion Ratio
117 100
82 65.
119 34.

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.291 ppbv
RT: 14.40 min Scan# 3612
Delta R.T.: -0.01 min
Lab File: VL038034.D
Acq: 16 Nov 2021 11:10

Tgt Ion: 95 Resp: 1657123
Ion Ratio Lower Upper
95 100
174 67.8 55.0 82.6
175 4.8 4.2 6.2

