

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
 Data File : VL038679.D
 Acq On : 22 Mar 2022 10:19
 Operator : SY/AP
 Sample : N1964-12DLDP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P82DLDP

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/24/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 24 14:19:10 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	904440	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2296776	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	2020581	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1491762	9.63	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	9265m	0.10	ppbv	
4) Chloromethane	3.14	50	10143	0.19	ppbv	97
9) Propene	3.01	41	15236m	0.33	ppbv	
13) Ethanol	3.60	45	20843m	4.10	ppbv	
15) Acetone	3.85	43	50908m	0.65	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	20495	0.25	ppbv	95
34) 2-Butanone	5.24	43	33062	0.36	ppbv	98
38) Trichloroethene	7.82	130	10748m	0.14	ppbv	
41) Tetrahydrofuran	6.07	42	10516m	0.16	ppbv	
52) Tetrachloroethene	11.20	164	379779	5.85	ppbv	98
53) Toluene	9.78	91	186954	0.98	ppbv	98

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

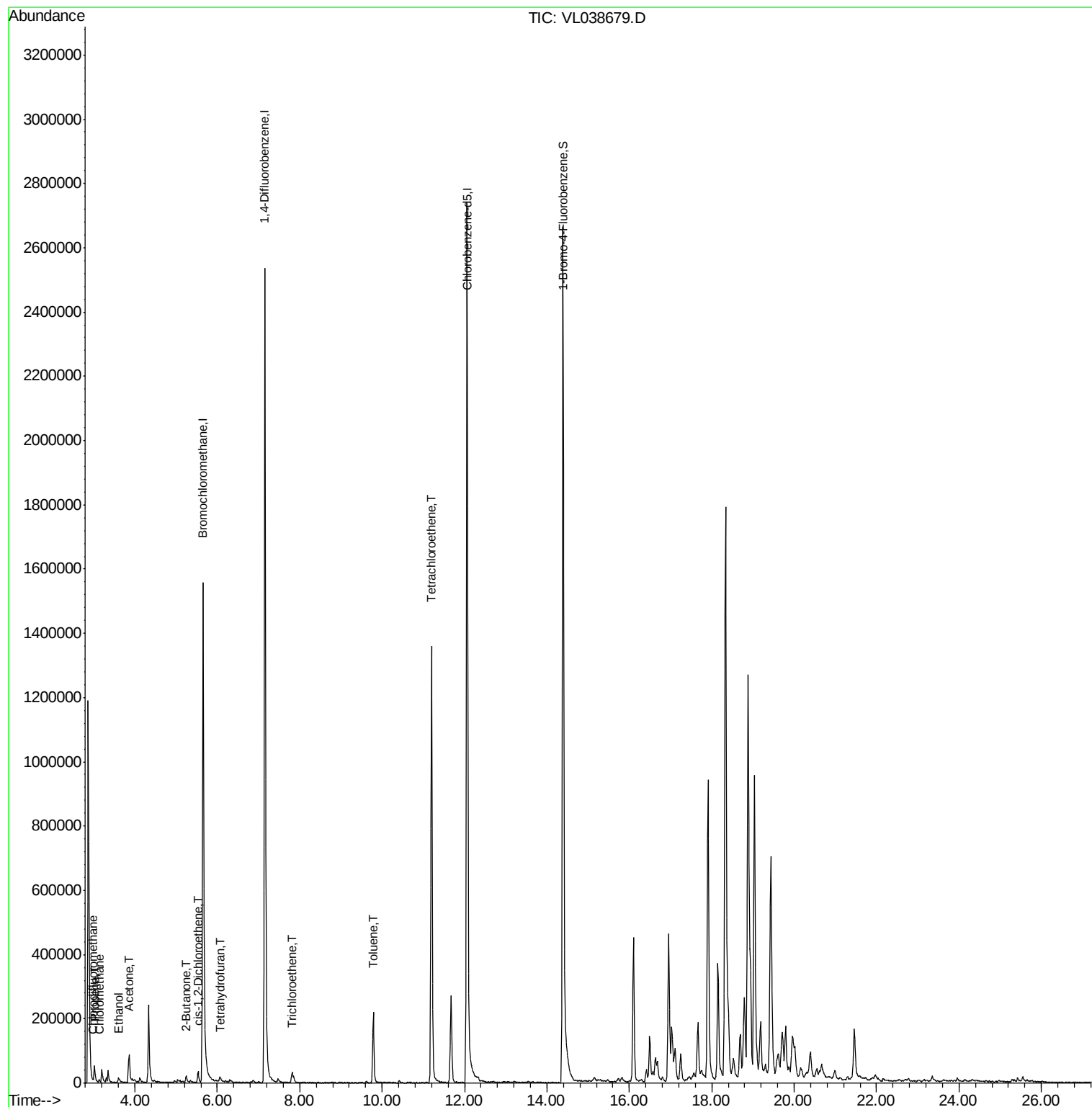
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Data File : VL038679.D
Acq On : 22 Mar 2022 10:19
Operator : SY/AP
Sample : N1964-12DLDUP 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

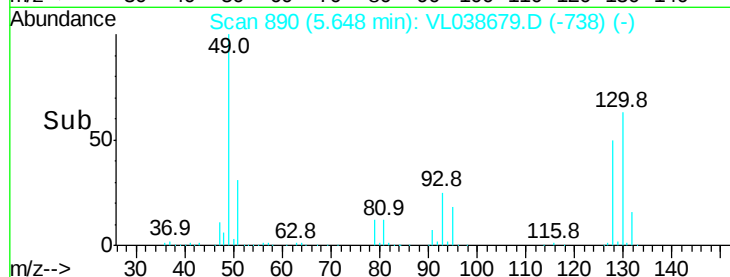
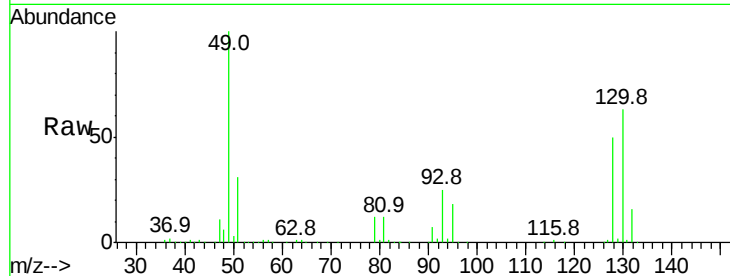
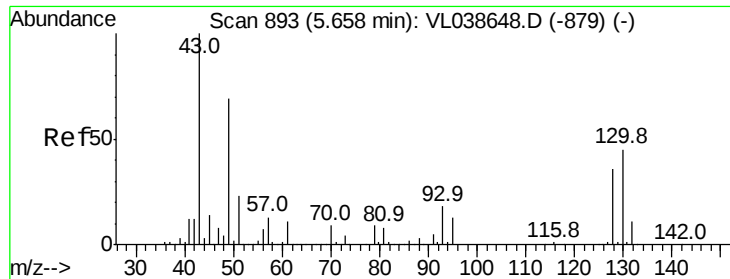
Instrument :
MSVOA_L
ClientSampleId :
C0P82DLDUP

Quant Time: Mar 24 14:19:10 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032122\
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 03/24/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 10:19

Tgt Ion:

Ion Ratio

49 100

128 52.

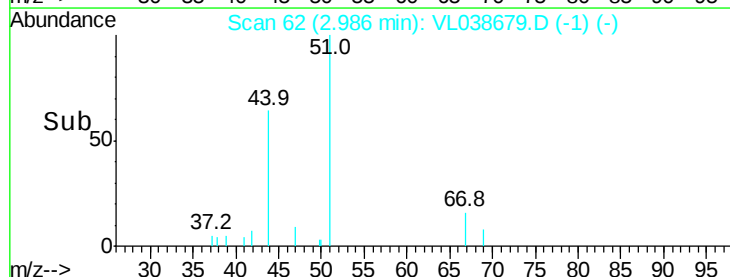
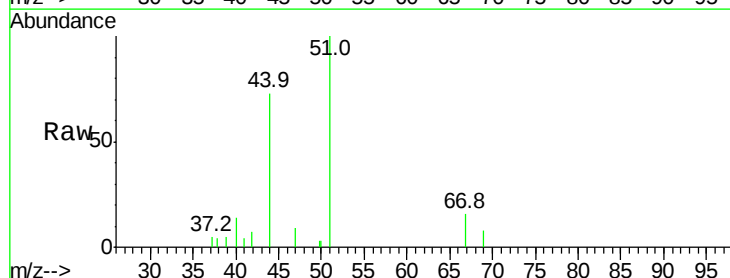
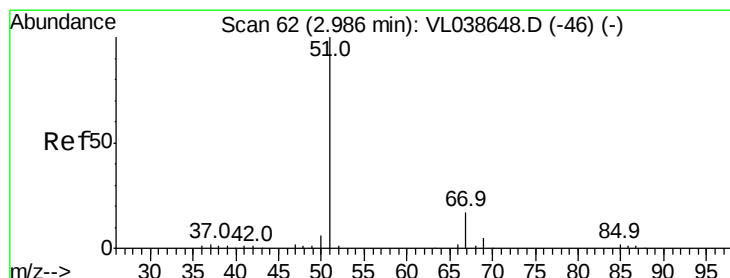
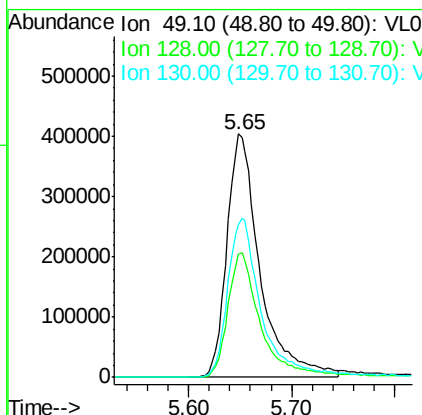
130 68.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/24/2022



#3

Chlorodifluoromethane

Concen: 0.10 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL038679.D

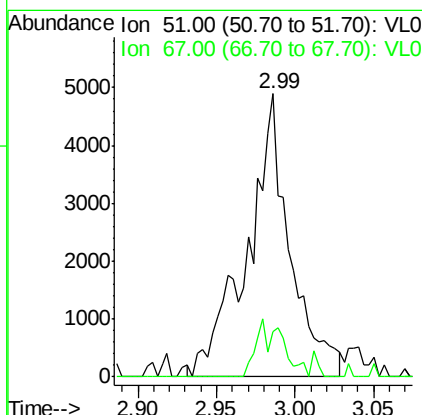
Acq: 22 Mar 2022 10:19

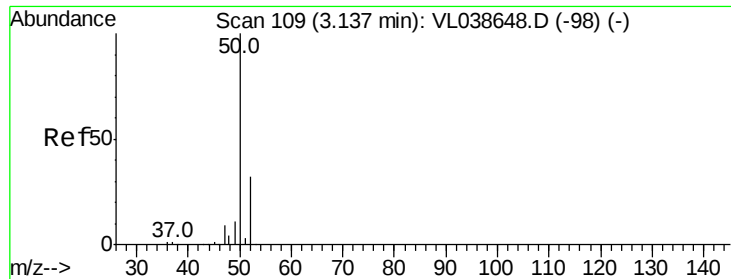
Tgt Ion: 51 Resp: 9265

Ion Ratio Lower Upper

51 100

67 0.5 14.1 21.1#





#4

Chloromethane

Concen: 0.19 ppbv

RT: 3.14 Instrument: MSVOA_L

Delta R.T. 0.00 min

Lab File: ClientSampleId: C0P82DLDUP

Acq: 22 Mar 2022 10:19

Tgt Ion:

Ion Ratio

50 100

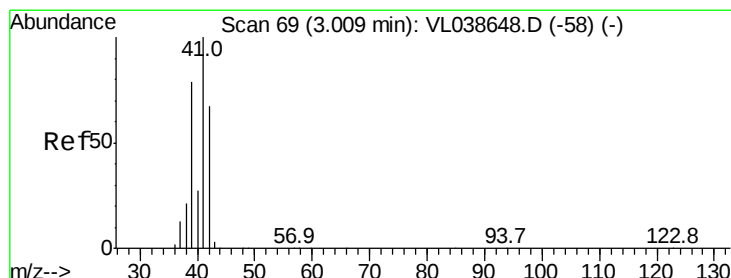
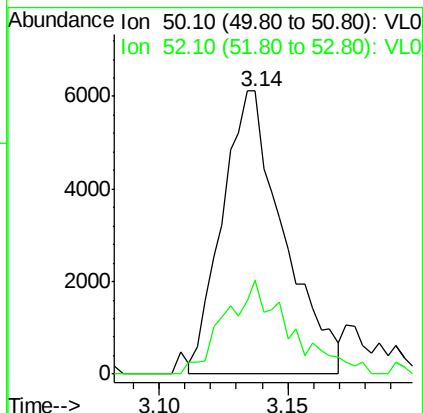
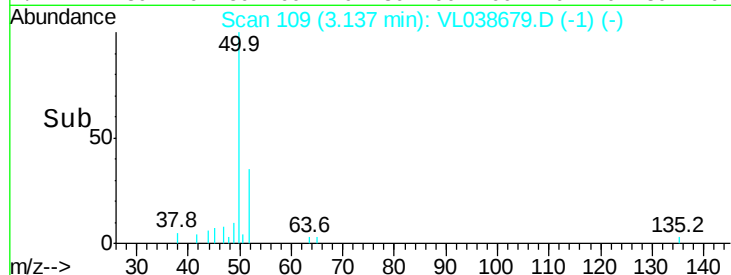
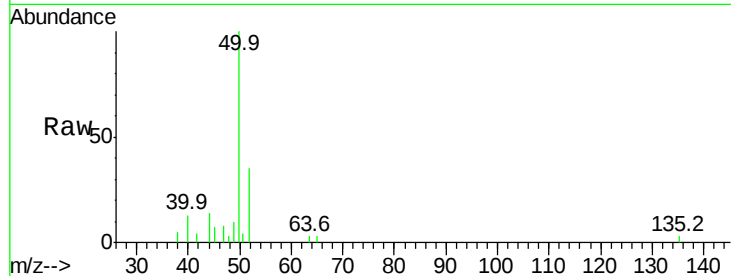
52 30.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/24/2022



#9

Propene

Concen: 0.33 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL038679.D

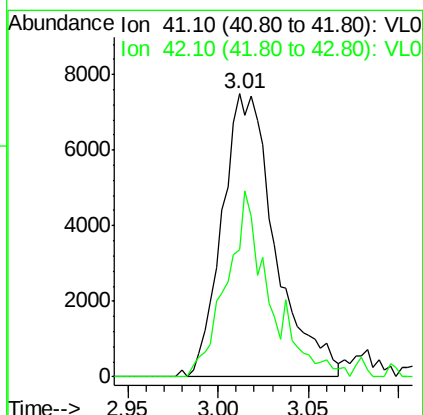
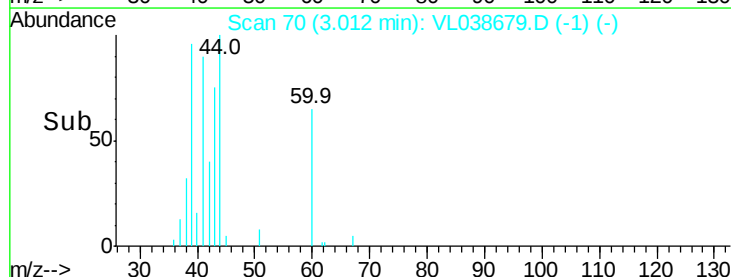
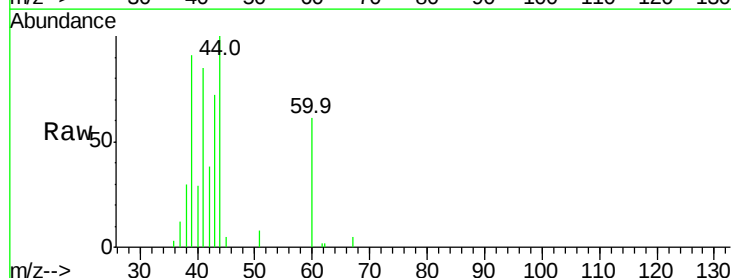
Acq: 22 Mar 2022 10:19

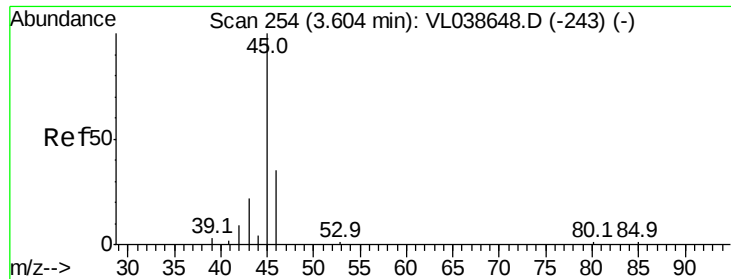
Tgt Ion: 41 Resp: 15236

Ion Ratio Lower Upper

41 100

42 55.4 56.2 84.4#





#13

Ethanol

Concen: 4.10 ppbv m

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 10:19 C0P82DLDP

Tgt Ion:

Ion Ratio

45 100

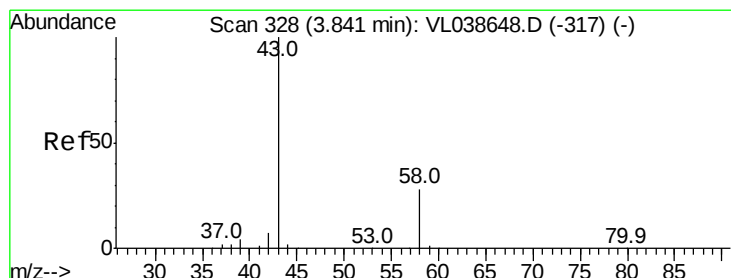
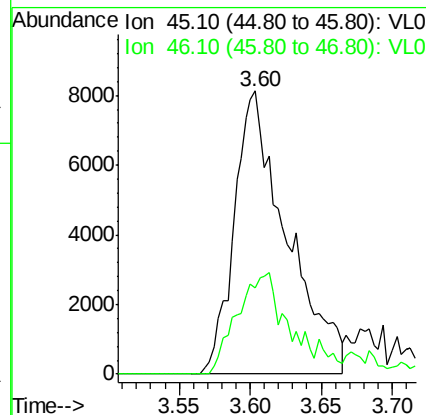
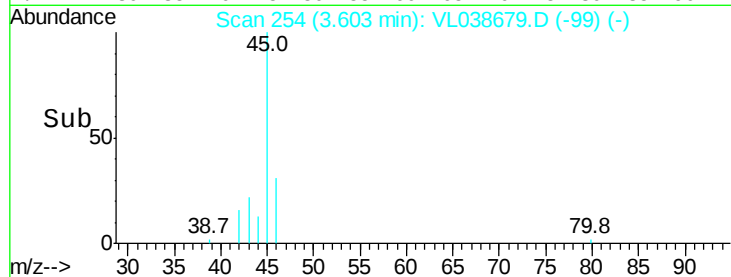
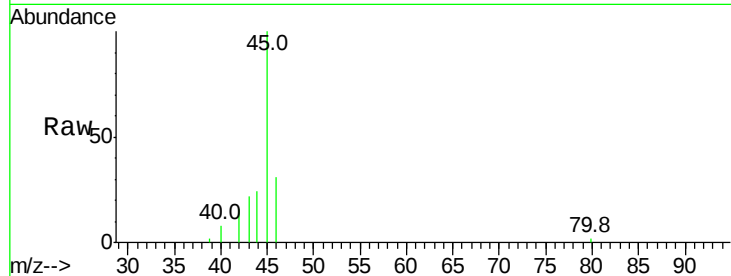
46 44.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/24/2022



#15

Acetone

Concen: 0.65 ppbv m

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL038679.D

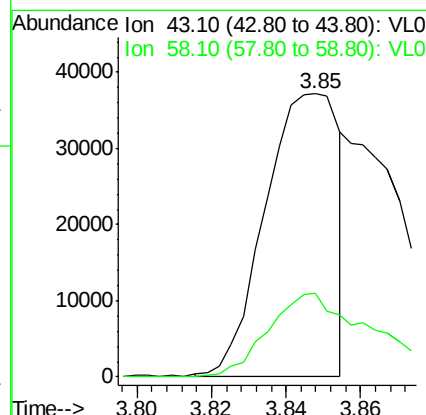
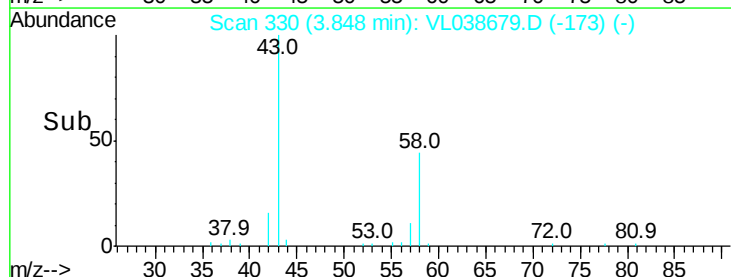
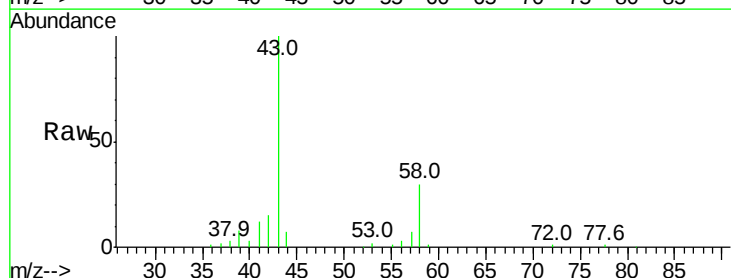
Acq: 22 Mar 2022 10:19

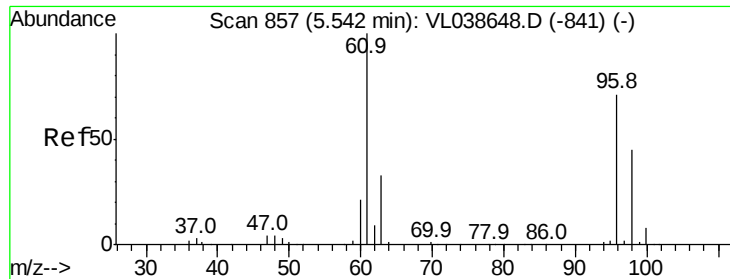
Tgt Ion: 43 Resp: 50908

Ion Ratio Lower Upper

43 100

58 51.7 23.3 34.9#



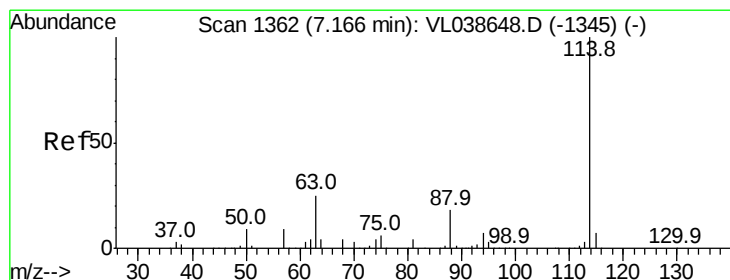
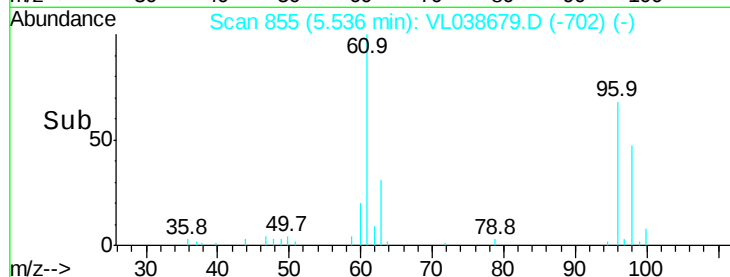
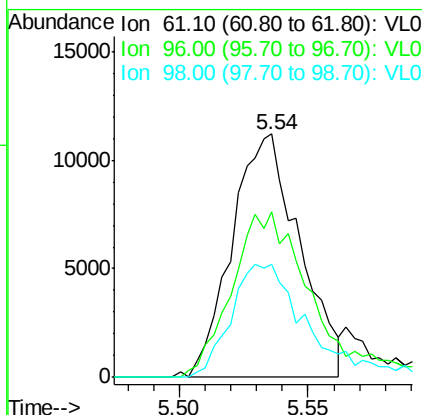
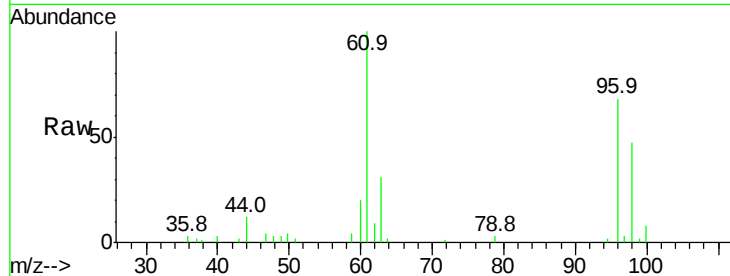


#31
 cis-1,2-Dichloroethene
 Concen: 0.25 ppbv
 RT: 5.54
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 COP82DLDUP
 Acq: 22 Mar 2022 10:19

Tgt Ion:
 Ion Ratio
 61 100
 96 64.
 98 46.

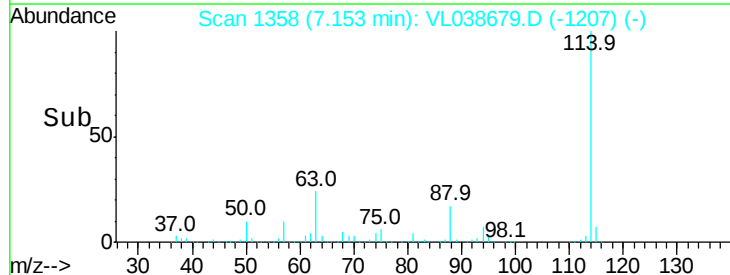
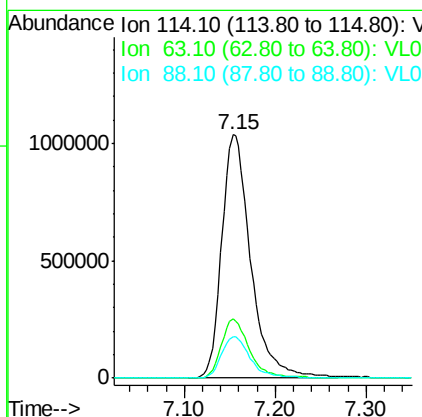
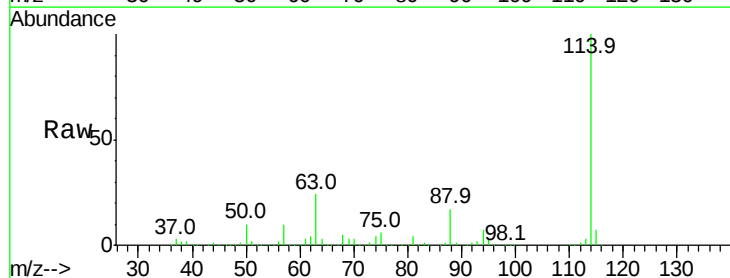
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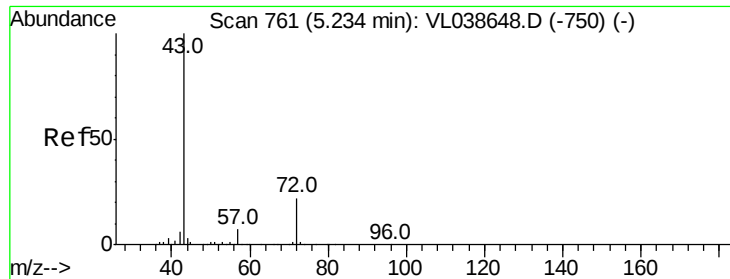
Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VL038679.D
 Acq: 22 Mar 2022 10:19

Tgt Ion:114 Resp: 2296776
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.4 29.0
 88 17.3 13.9 20.9





#34

2-Butanone

Concen: 0.36 ppbv

RT: 5.24 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 22 Mar 2022 10:19

Tgt Ion:

Ion Ratio

43 100

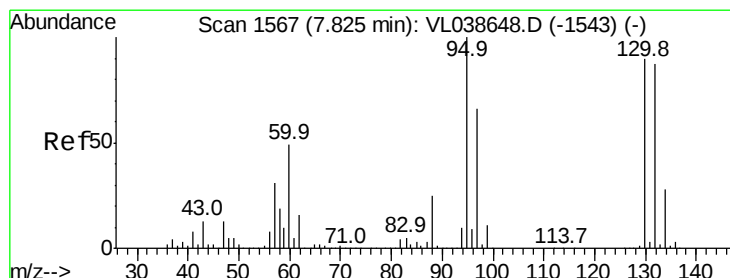
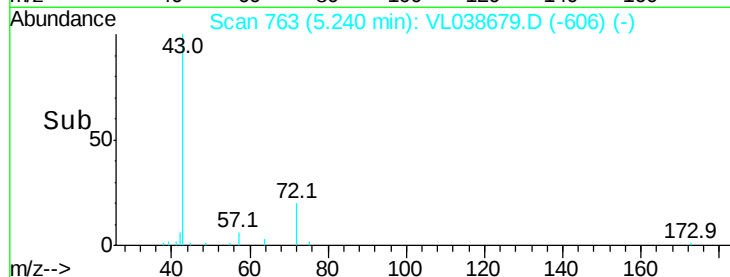
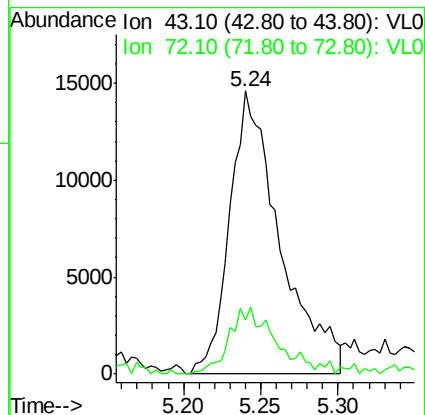
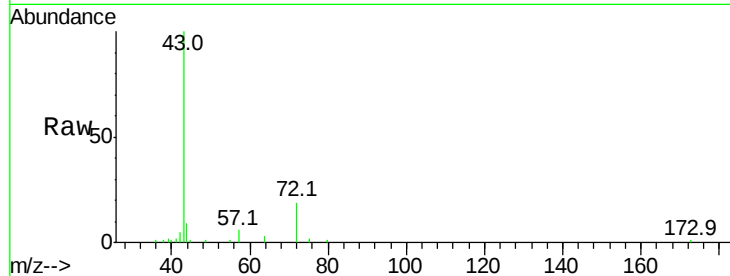
72 23.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/24/2022



#38

Trichloroethene

Concen: 0.14 ppbv m

RT: 7.82 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VL038679.D

Acq: 22 Mar 2022 10:19

Tgt Ion:130 Resp: 10748

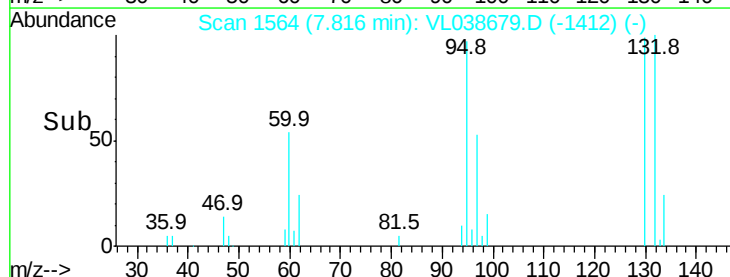
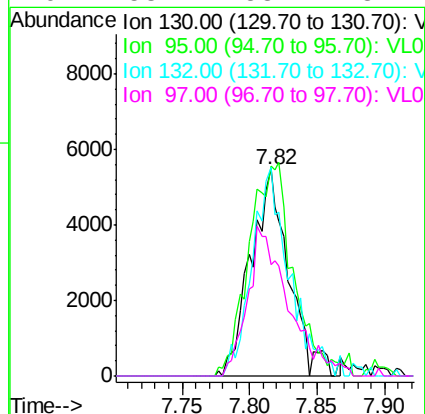
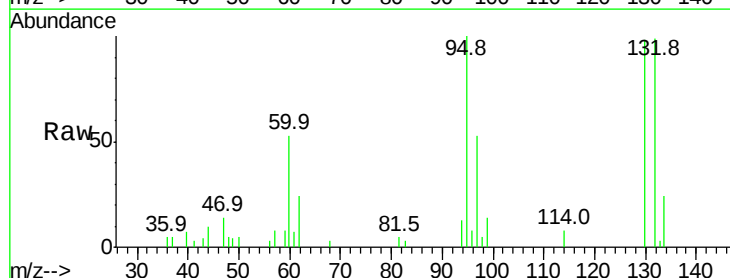
Ion Ratio Lower Upper

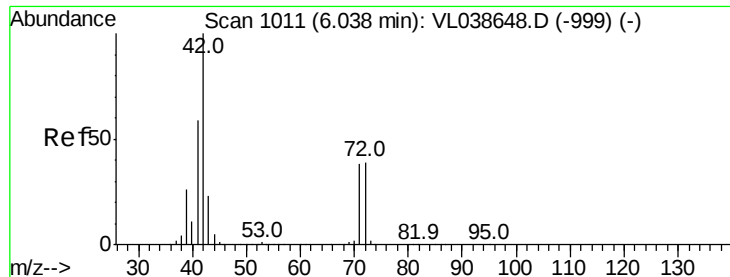
130 100

95 101.6 88.9 133.3

132 100.8 77.4 116.0

97 53.7 58.2 87.4#





#41

Tetrahydrofuran

Concen: 0.16 ppbv m

RT: 6.07 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 10:19 C0P82DLDP

Tgt Ion:

Ion Ratio

42 100

72 32.

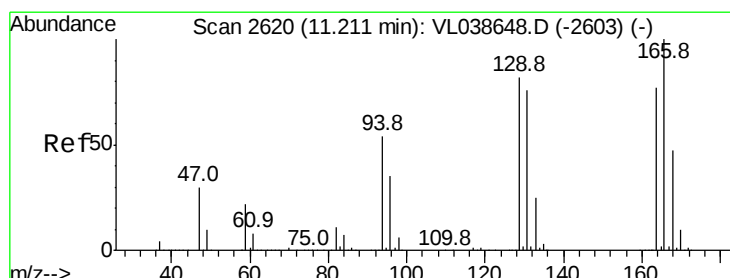
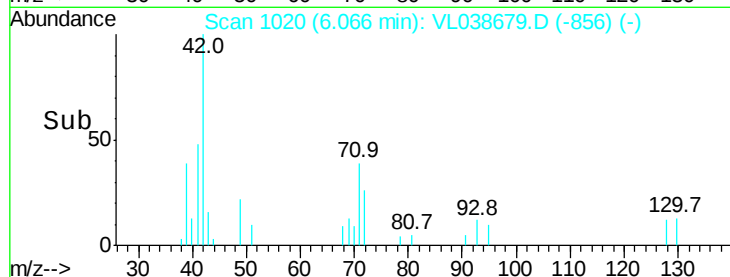
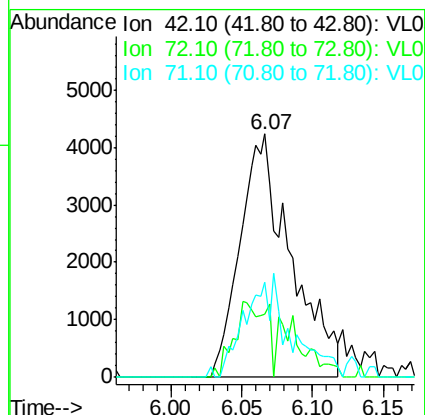
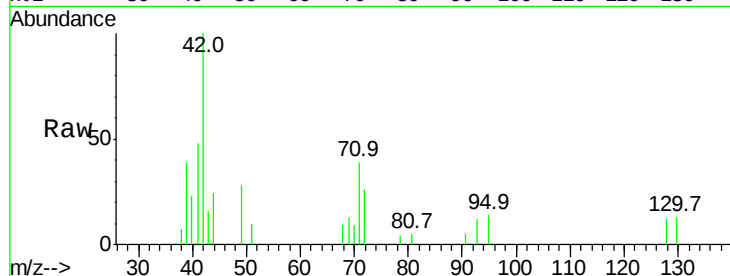
71 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/24/2022



#52

Tetrachloroethene

Concen: 5.85 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.01 min

Lab File: VL038679.D

Acq: 22 Mar 2022 10:19

Tgt Ion:164 Resp: 379779

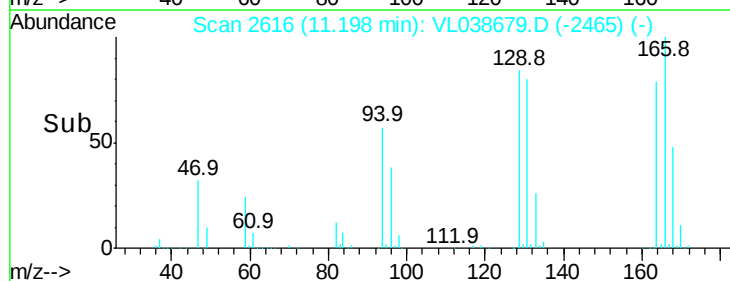
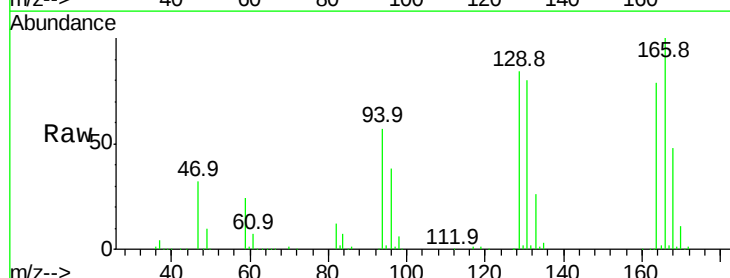
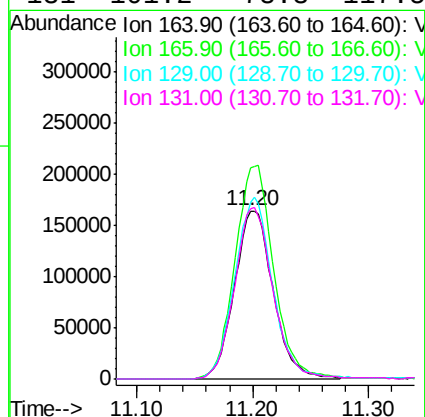
Ion Ratio Lower Upper

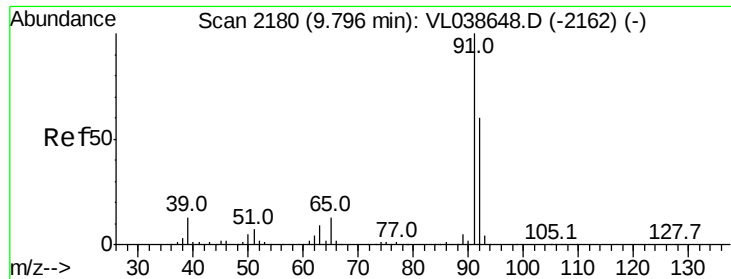
164 100

166 125.8 103.3 154.9

129 105.3 85.2 127.8

131 101.2 78.3 117.5



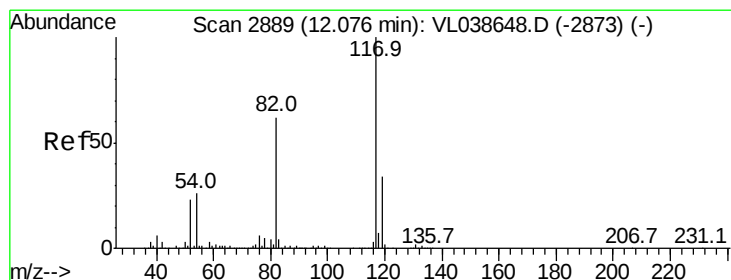
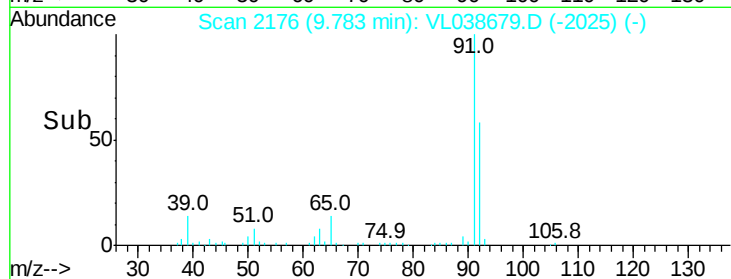
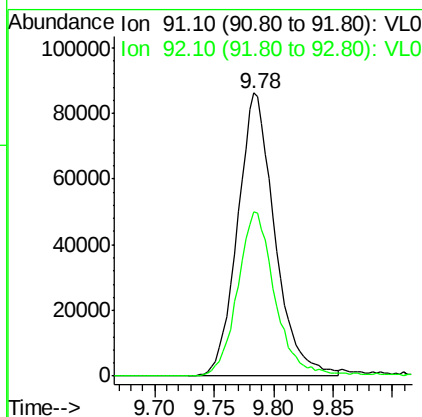
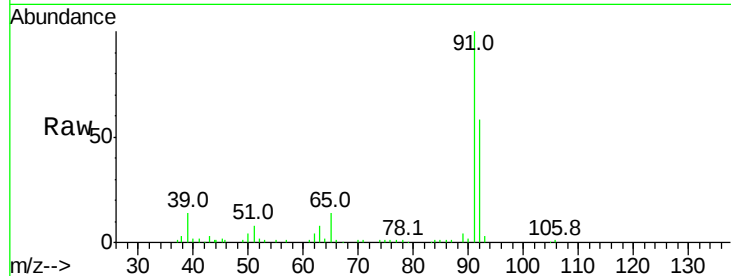


#53
Toluene
Concen: 0.98 ppbv
RT: 9.78
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
COP82DLDUP
Acq: 22 Mar 2022 10:19

Tgt Ion:
Ion Ratio
91 100
92 59.

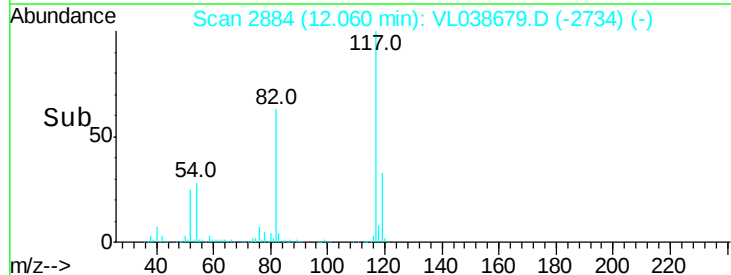
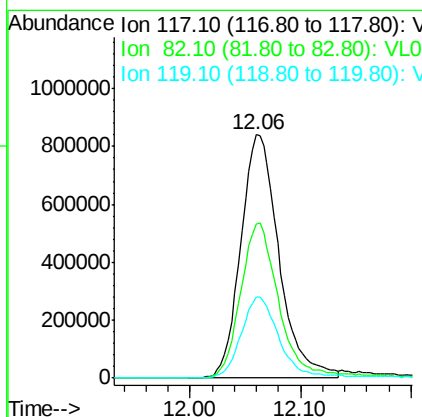
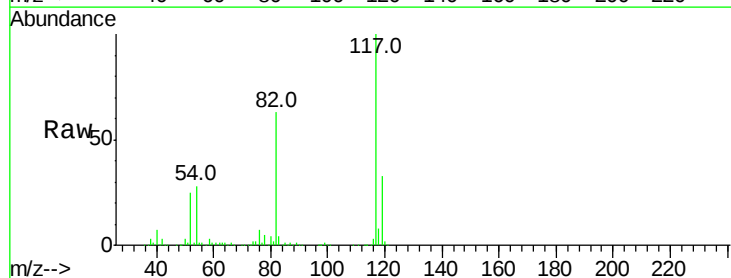
Manual Integrations
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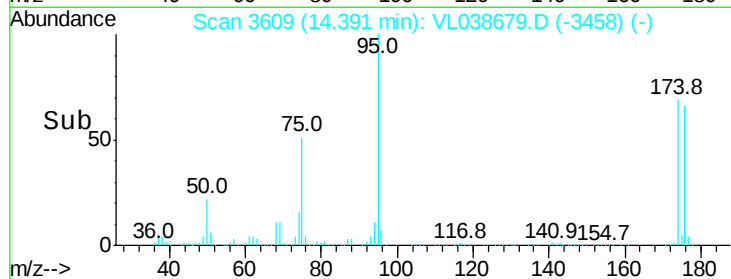
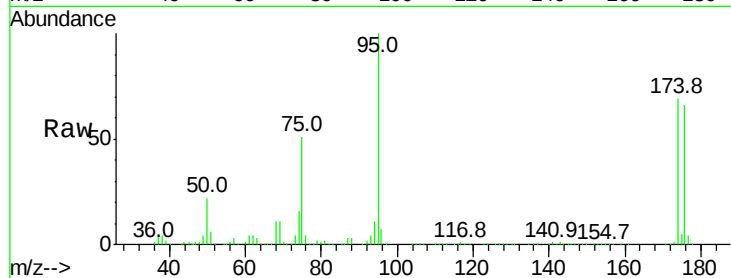
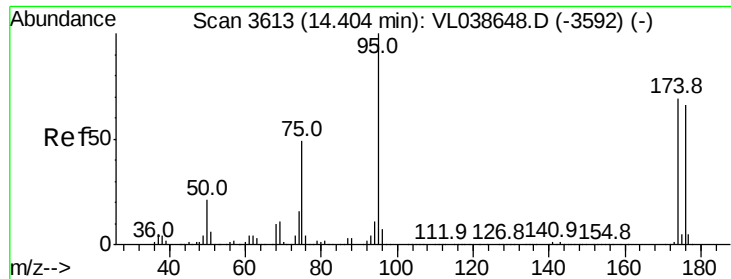
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.02 min
Lab File: VL038679.D
Acq: 22 Mar 2022 10:19

Tgt Ion:117 Resp: 2020581
Ion Ratio Lower Upper
117 100
82 65.6 51.6 77.4
119 33.9 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.63 ppbv

RT: 14.39

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Mar 2022 10:19

Tgt Ion:

Ion Ratio

95 100

174 72.

175 5.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/24/2022

