

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012622\
 Data File : VL038291.D
 Acq On : 26 Jan 2022 16:47
 Operator : SY/AP
 Sample : N1268-02DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 OA-1DUP

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/27/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 27 04:04:30 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	757374	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	1978678	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	1548405	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1209071	10.29	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	34263	0.213	ppbv	94
3) Chlorodifluoromethane	2.98	51	29554m	0.196	ppbv	
4) Chloromethane	3.13	50	24482	0.472	ppbv #	87
9) Propene	3.01	41	33234	0.677	ppbv #	81
11) Trichlorofluoromethane	3.93	101	23688	0.189	ppbv	96
13) Ethanol	3.59	45	166865	31.669	ppbv	93
15) Acetone	3.84	43	191352	2.866	ppbv	99
19) Isopropyl Alcohol	3.96	45	71546m	1.713	ppbv	
20) Methylene Chloride	4.32	84	19032m	0.490	ppbv	
26) Hexane	5.66	57	13677m	0.157	ppbv	
34) 2-Butanone	5.23	43	12847m	0.199	ppbv	
35) Carbon Tetrachloride	6.99	117	8872m	0.064	ppbv	
36) Benzene	6.86	78	31518	0.180	ppbv	99
53) Toluene	9.77	91	27911m	0.144	ppbv	

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

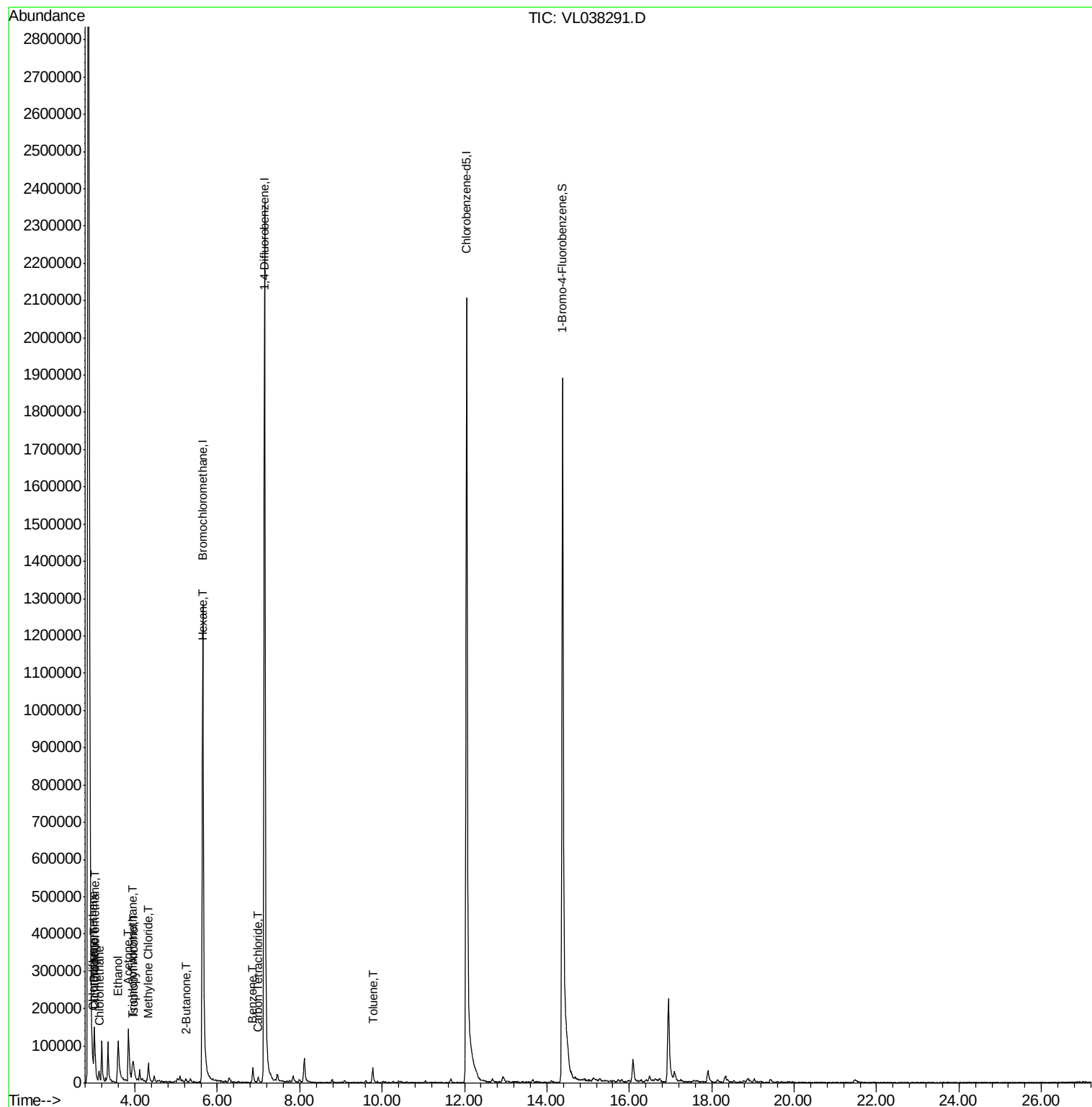
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012622\
Data File : VL038291.D
Acq On : 26 Jan 2022 16:47
Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

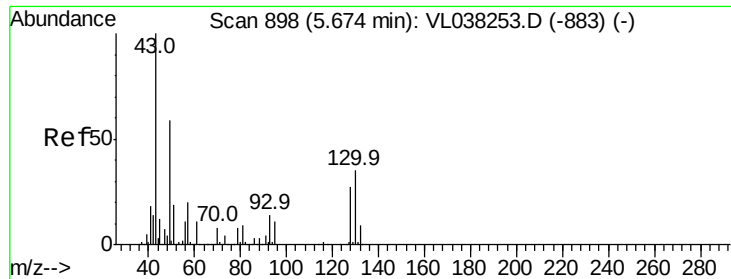
Instrument :
MSVOA_L
ClientSampleId :
OA-1DUP

Manual Integrations
APPROVED

Quant Time: Jan 27 04:04:30 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL012422
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Jan 24 14:12:48 2022
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Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA-1DUP

Acq: 26 Jan 2022 16:47

Tot Ion:

Ion Ratio

49 100

128 46.

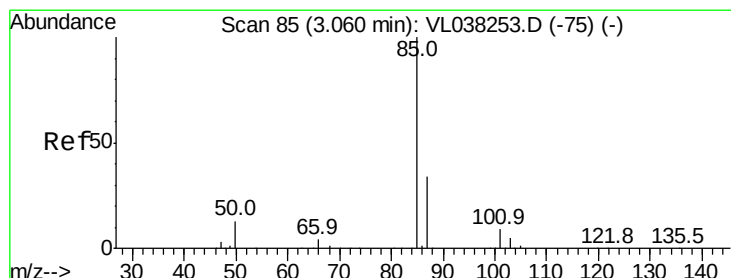
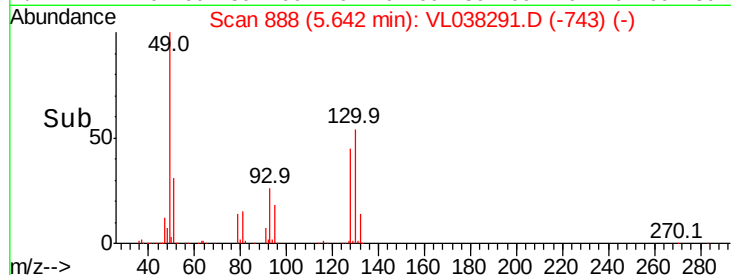
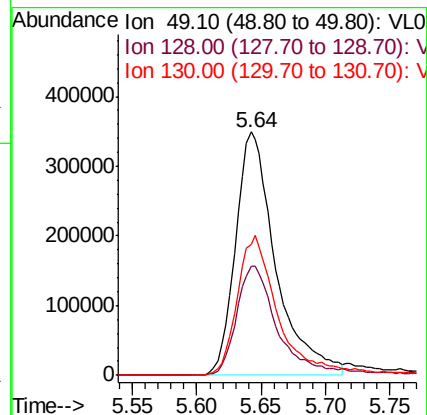
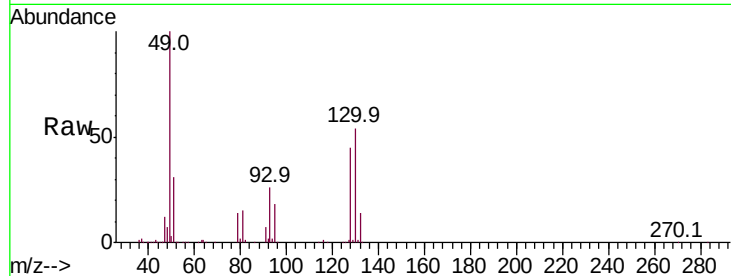
130 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#2

Dichlorodifluoromethane

Concen: 0.213 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.02 min

Lab File: VL038291.D

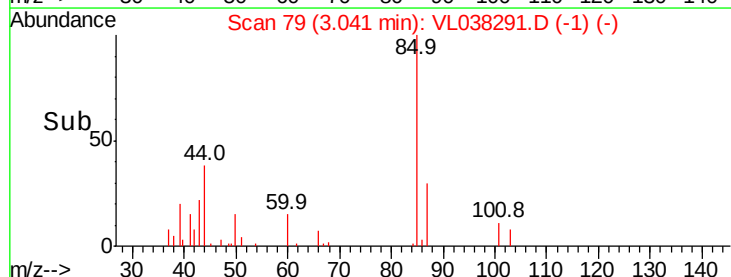
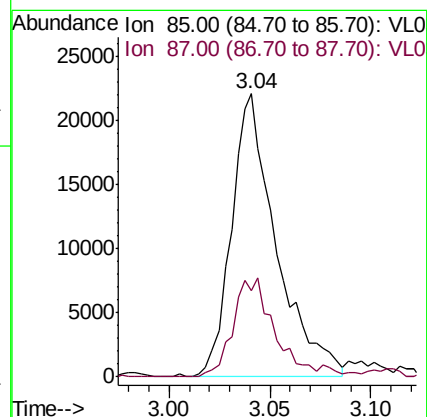
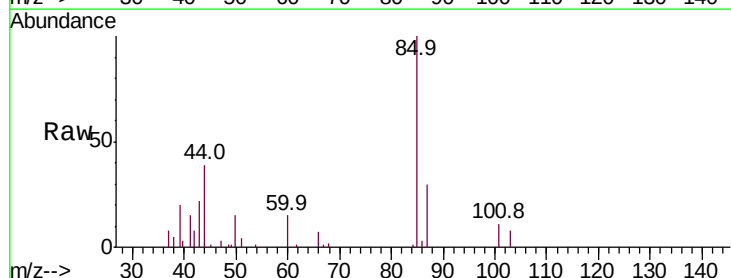
Acq: 26 Jan 2022 16:47

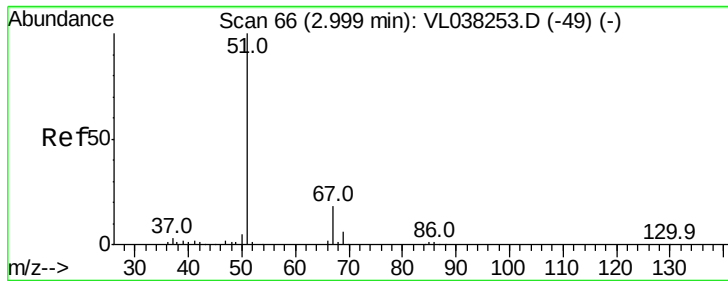
Tgt Ion: 85 Resp: 34263

Ion Ratio Lower Upper

85 100

87 30.5 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.196 ppbv m

RT: 2.98 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

Acq: 26 Jan 2022 16:47

Tot Ion:

Ion Ratio

51 100

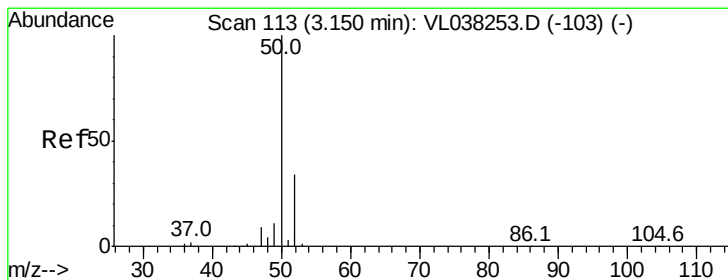
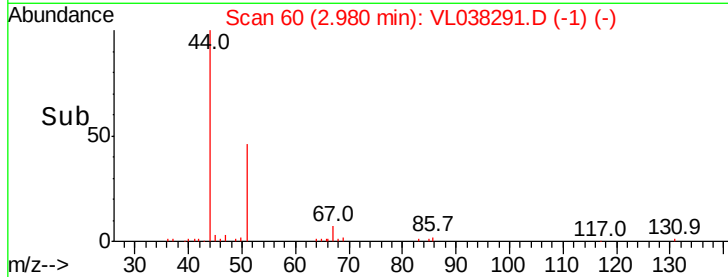
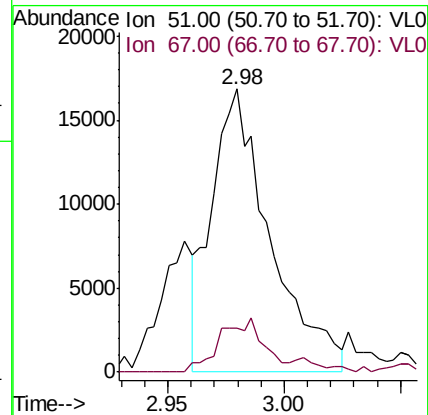
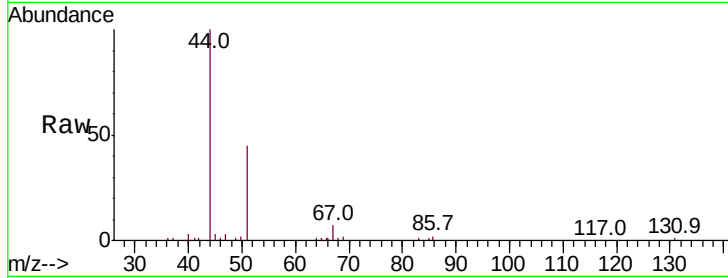
67 16.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#4

Chloromethane

Concen: 0.472 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.02 min

Lab File: VL038291.D

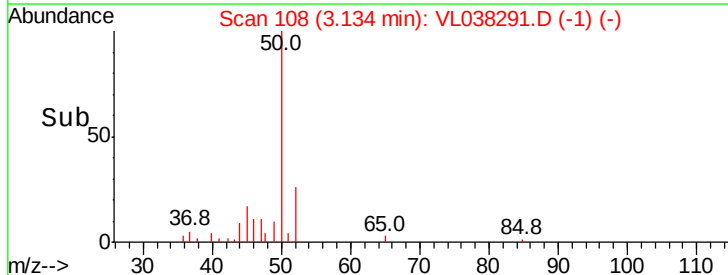
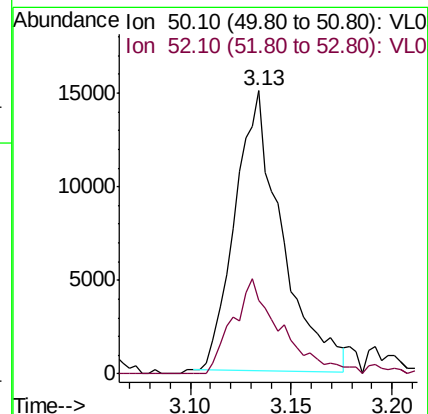
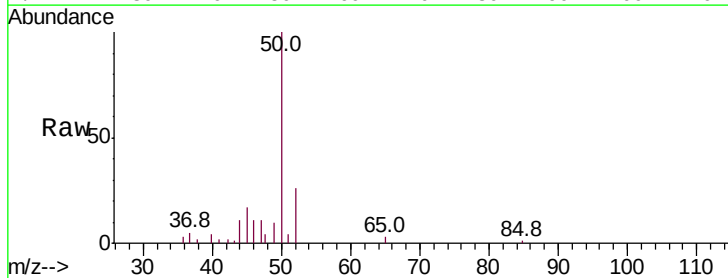
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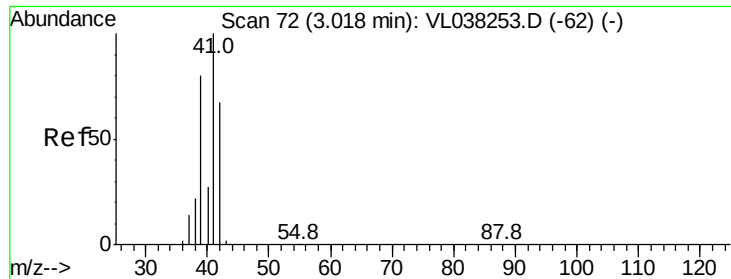
Tgt Ion: 50 Resp: 24482

Ion Ratio Lower Upper

50 100

52 26.3 27.1 40.7#





#9

Propene

Concen: 0.677 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File:

Acq: 26 Jan 2022 16:47

ClientSampleId :

OA-1DUP

Tot Ion:

Ion Ratio

41 100

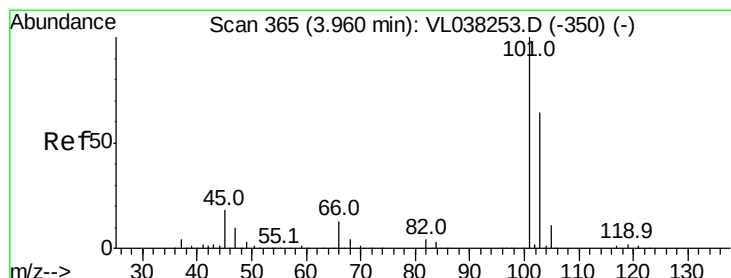
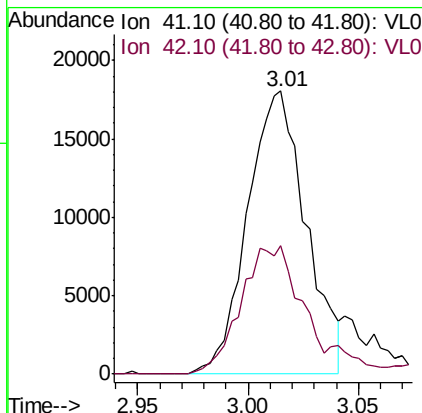
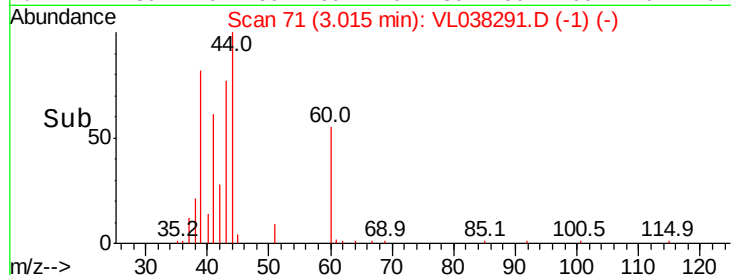
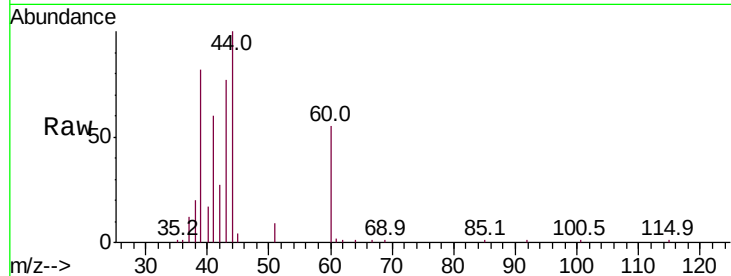
42 53.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#11

Trichlorofluoromethane

Concen: 0.189 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.03 min

Lab File: VL038291.D

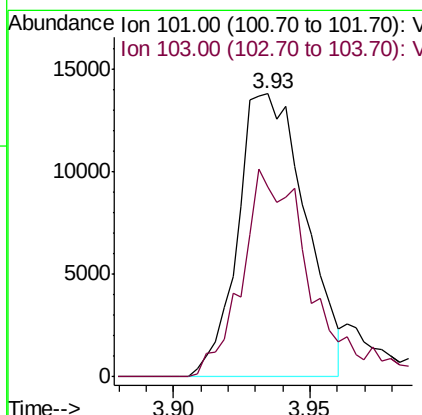
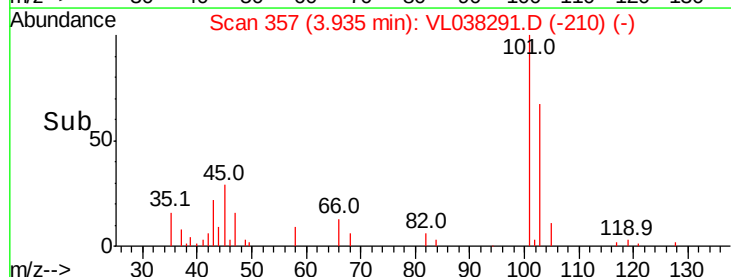
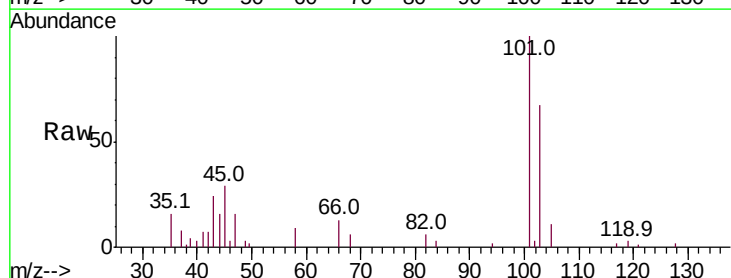
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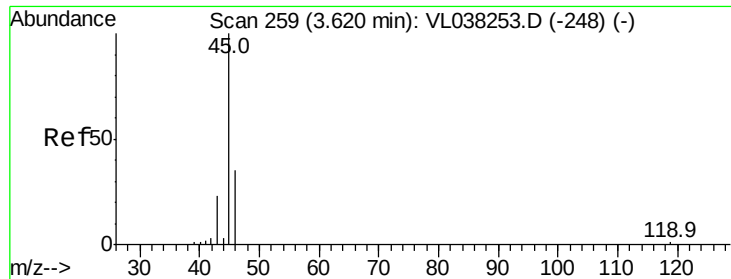
Tgt Ion:101 Resp: 23688

Ion Ratio Lower Upper

101 100

103 67.1 51.2 76.8



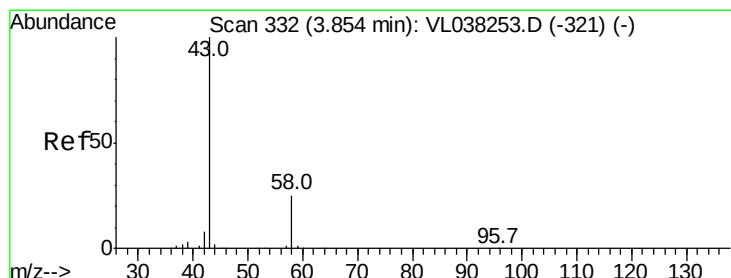
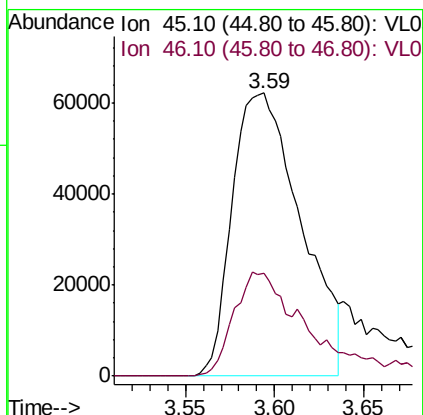
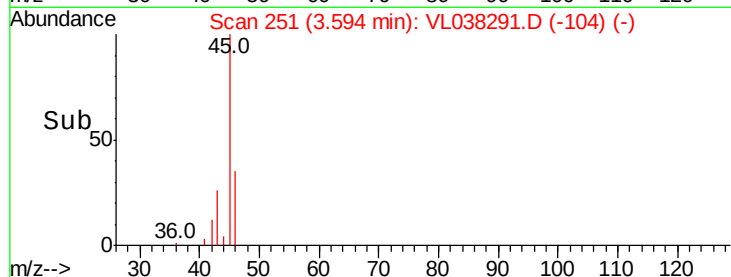
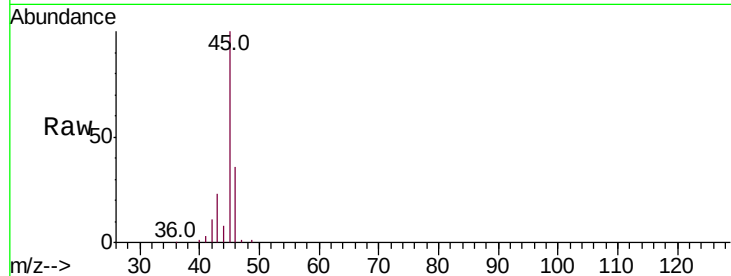


#13
Ethanol
Concen: 31.669 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Jan 2022 16:47

Tot Ion:
Ion Ratio
45 100
46 42.

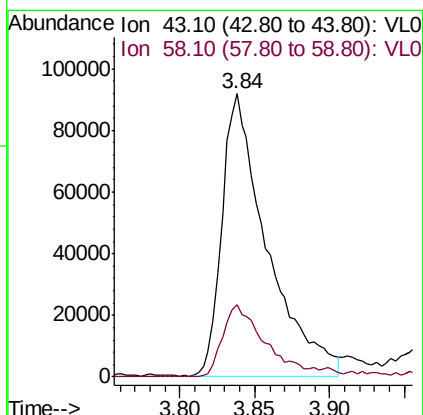
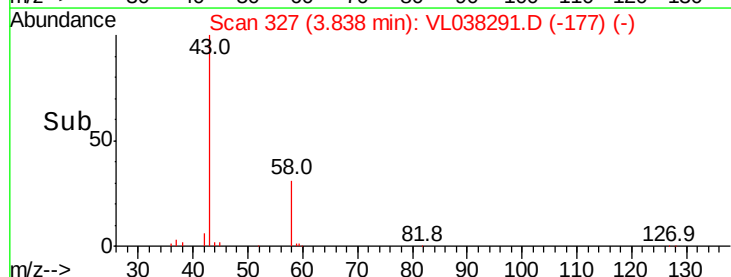
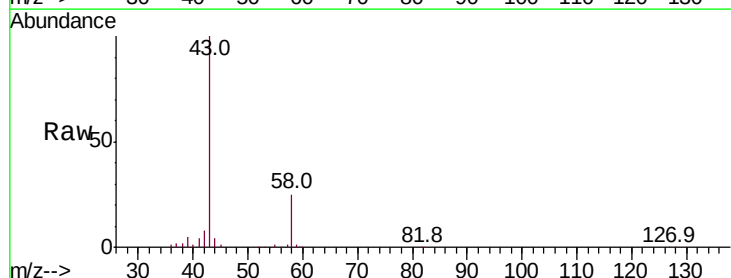
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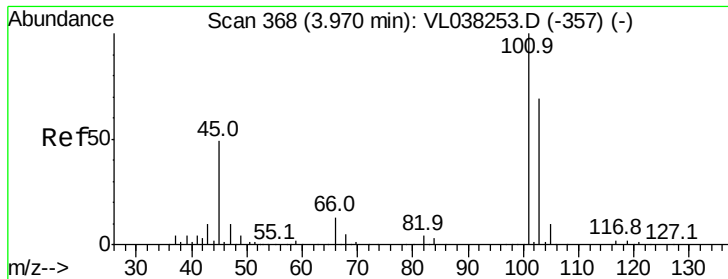
Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



#15
Acetone
Concen: 2.866 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL038291.D
Acq: 26 Jan 2022 16:47

Tgt Ion: 43 Resp: 191352
Ion Ratio Lower Upper
43 100
58 26.5 21.5 32.3





#19

Isopropyl Alcohol

Concen: 1.713 ppbv m

RT: 3.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 26 Jan 2022 16:47

Tot Ion:

Ion Ratio

45 100

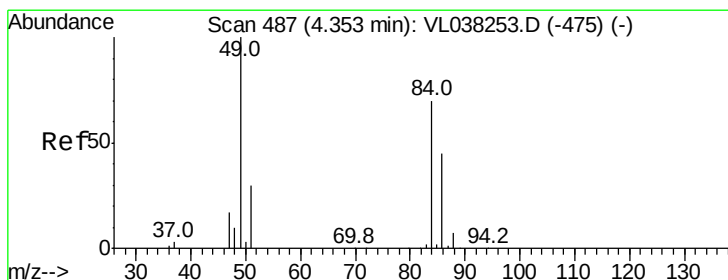
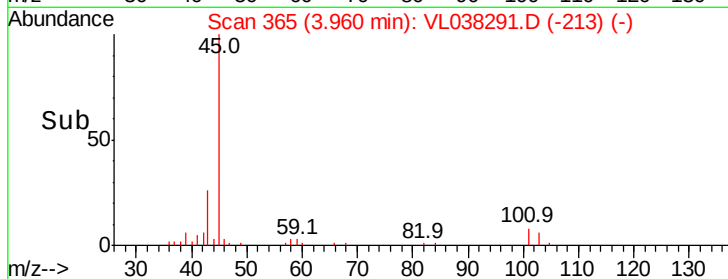
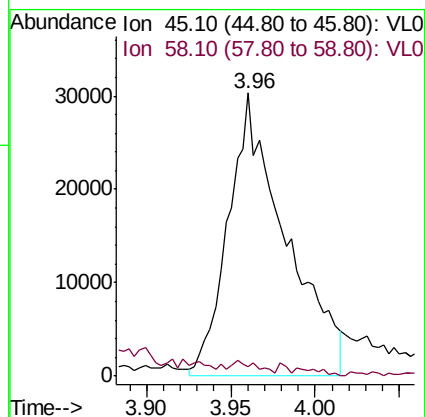
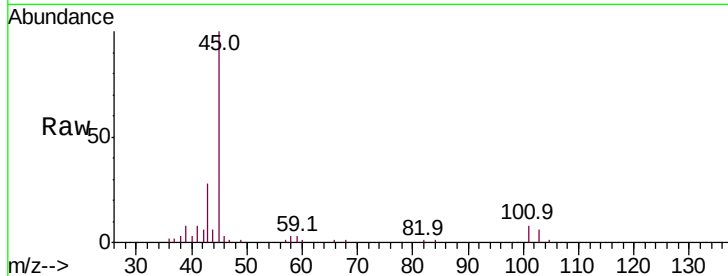
58 2.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#20

Methylene Chloride

Concen: 0.490 ppbv m

RT: 4.32 min Scan# 478

Delta R.T. -0.03 min

Lab File: VL038291.D

Acq: 26 Jan 2022 16:47

Tgt Ion: 84 Resp: 19032

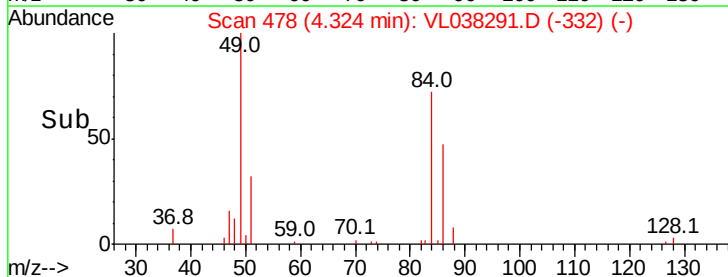
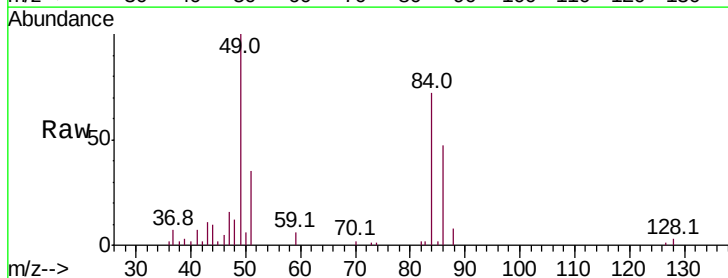
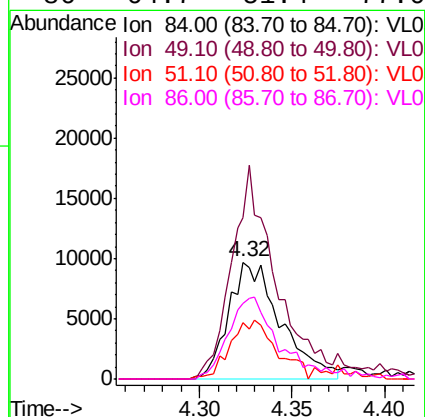
Ion Ratio Lower Upper

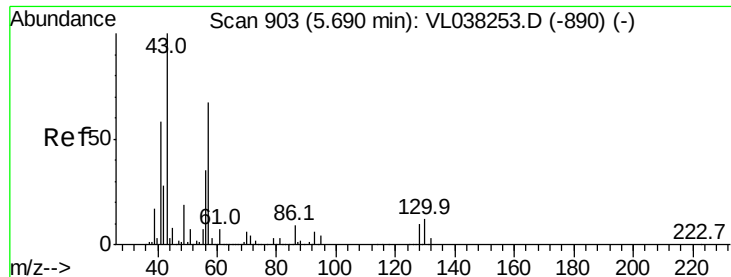
84 100

49 138.2 115.0 172.6

51 48.6 35.0 52.6

86 64.7 51.4 77.0



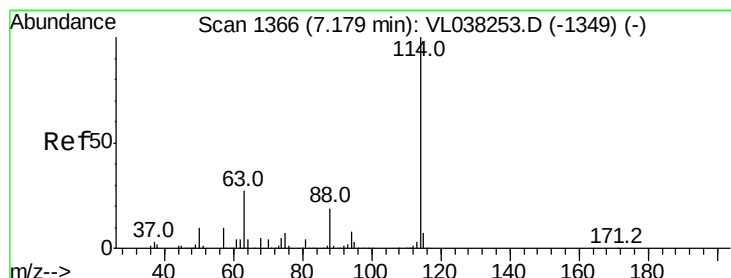
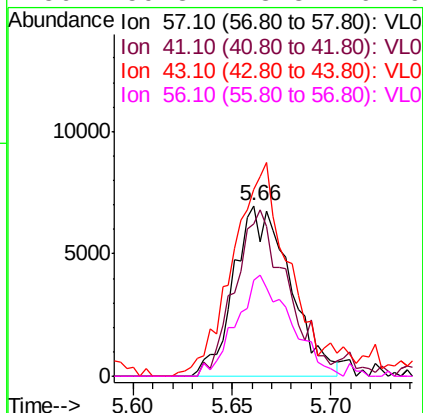
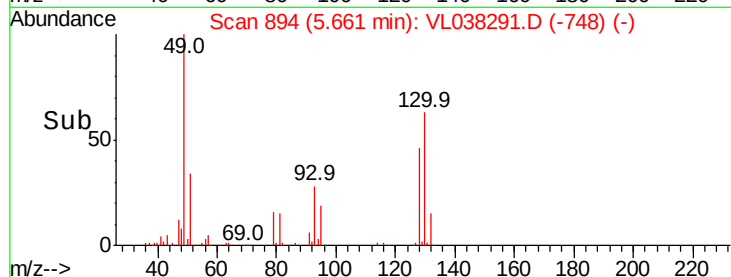
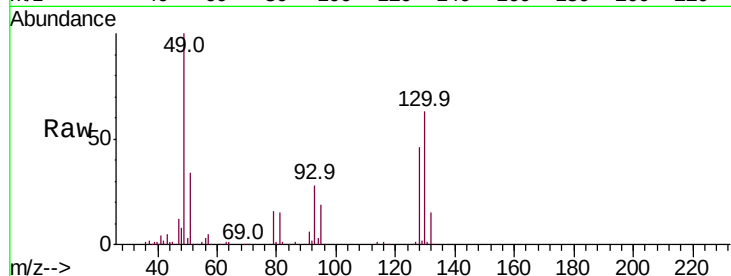


#26
Hexane
Concen: 0.157 ppbv m
RT: 5.66
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 26 Jan 2022 16:47

Tot Ion:
Ion Ratio
57 100
41 97.
43 143.
56 59.3 43.3 64.9

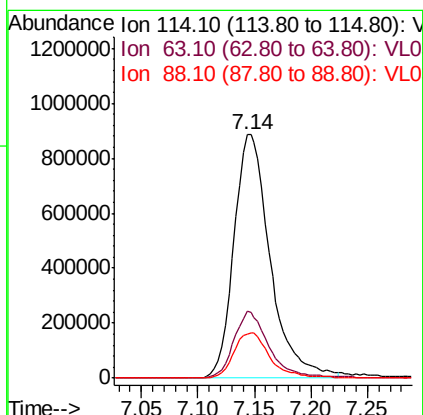
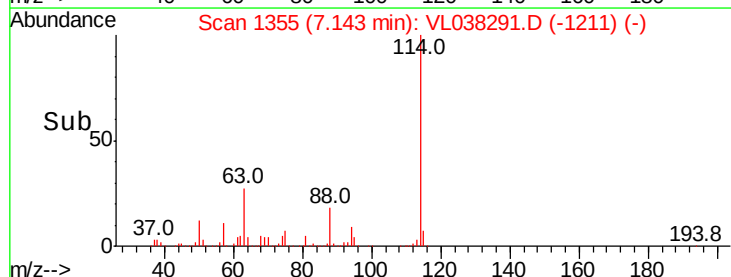
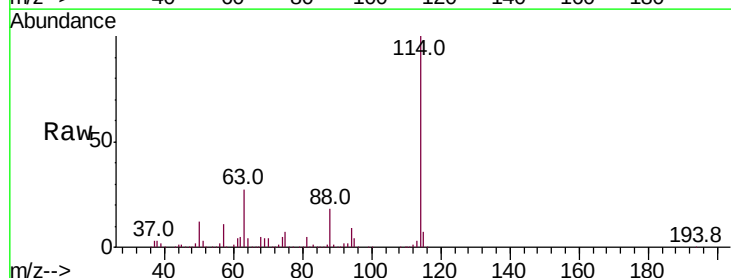
Manual Integrations
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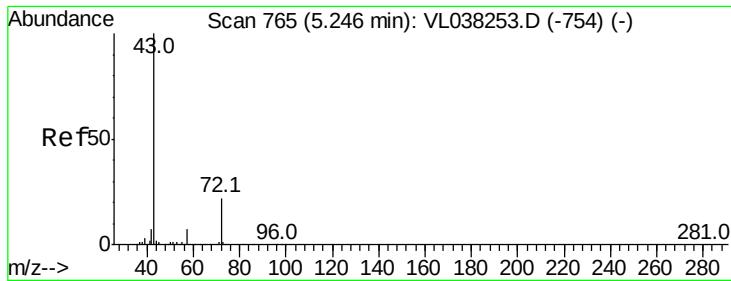
Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL038291.D
Acq: 26 Jan 2022 16:47

Tgt Ion:114 Resp: 1978678
Ion Ratio Lower Upper
114 100
63 27.3 22.0 33.0
88 19.0 15.0 22.6





#34

2-Butanone

Concen: 0.199 ppbv m

RT: 5.23 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Jan 2022 16:47 OA-1DUP

Tot Ion:

Ion Ratio

43 100

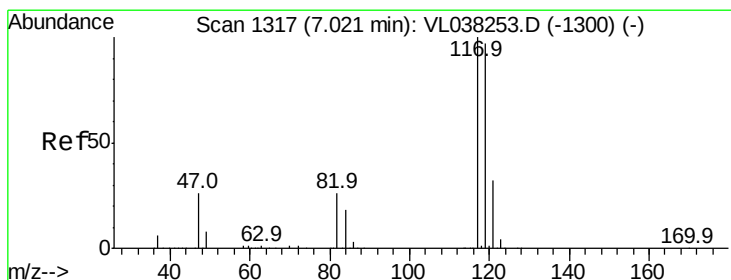
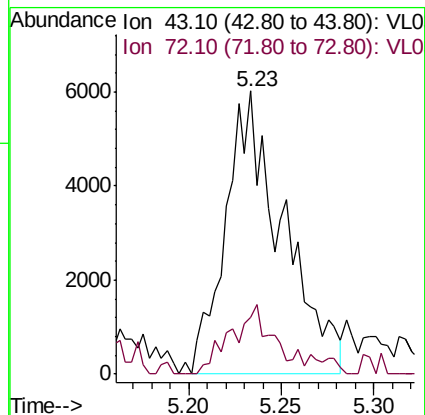
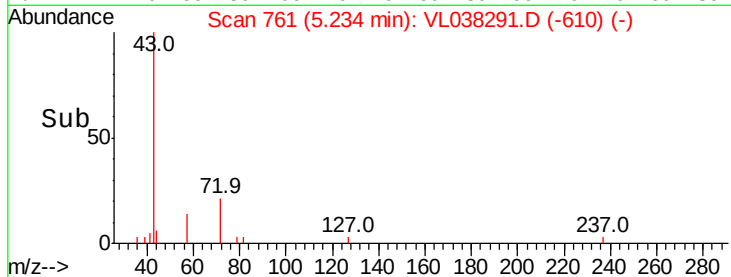
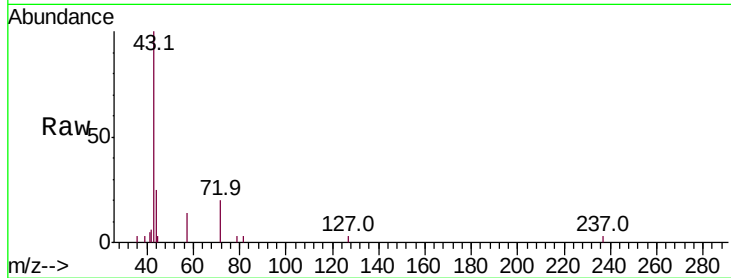
72 22.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#35

Carbon Tetrachloride

Concen: 0.064 ppbv m

RT: 6.99 min Scan# 1307

Delta R.T. -0.03 min

Lab File: VL038291.D

Acq: 26 Jan 2022 16:47

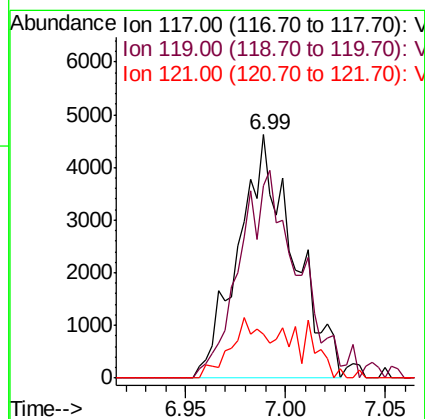
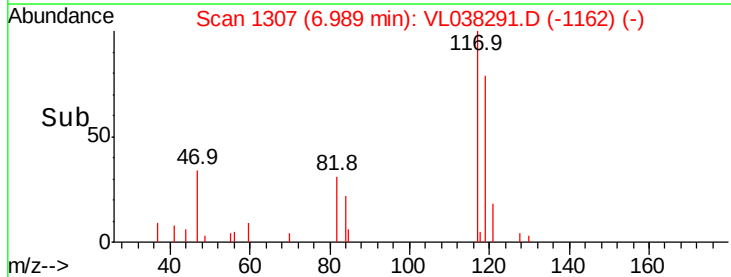
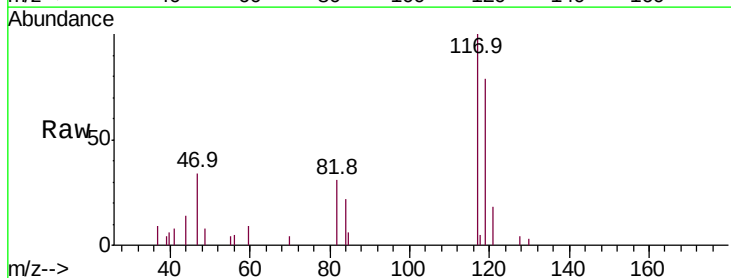
Tgt Ion:117 Resp: 8872

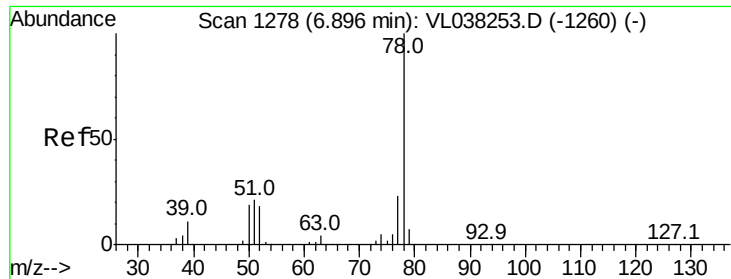
Ion Ratio Lower Upper

117 100

119 79.2 77.9 116.9

121 18.1 25.4 38.2#



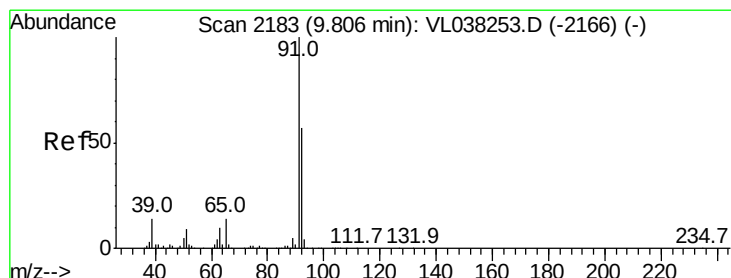
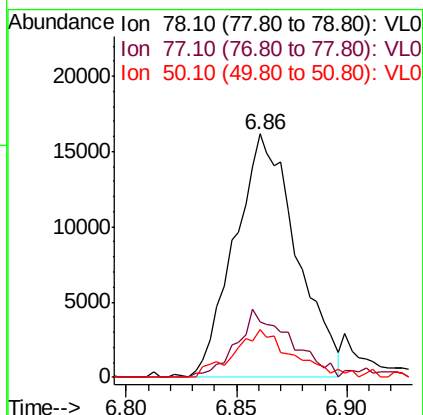
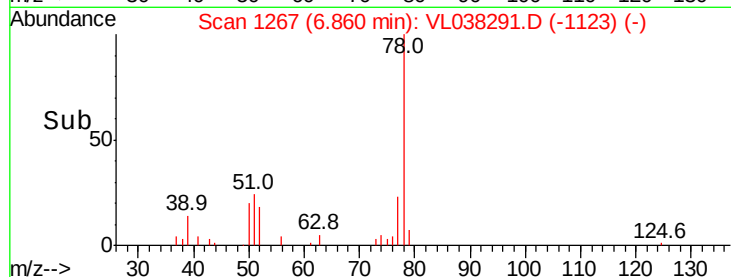
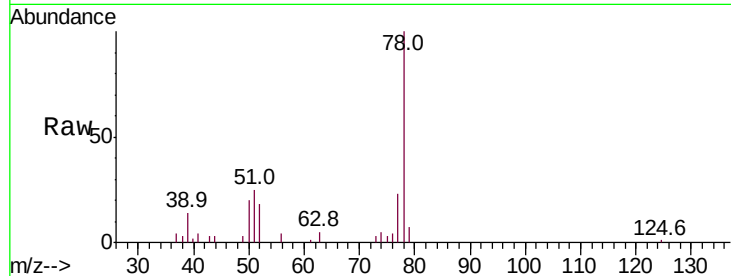


#36
Benzene
Concen: 0.180 ppbv
RT: 6.86
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 26 Jan 2022 16:47

Tot Ion:
Ion Ratio
78 100
77 22.
50 19.

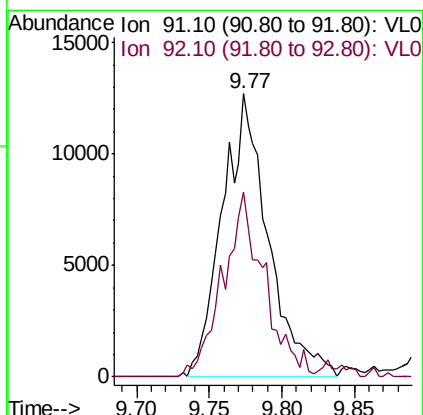
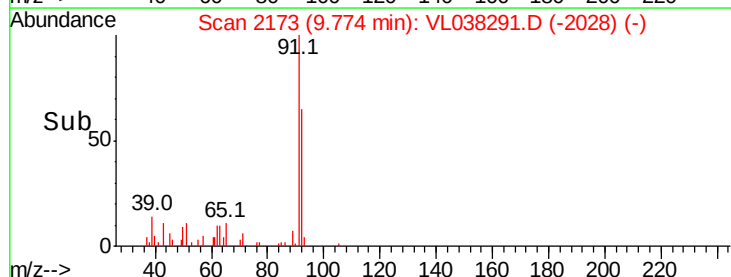
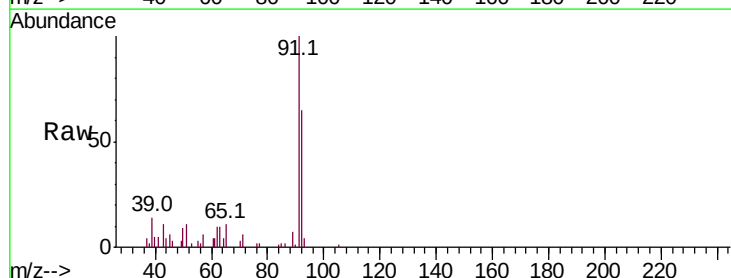
Manual Integrations
APPROVED

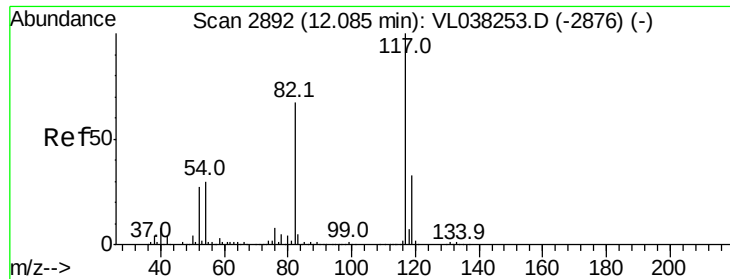
Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



#53
Toluene
Concen: 0.144 ppbv m
RT: 9.77 min Scan# 2173
Delta R.T. -0.03 min
Lab File: VL038291.D
Acq: 26 Jan 2022 16:47

Tgt Ion: 91 Resp: 27911
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#



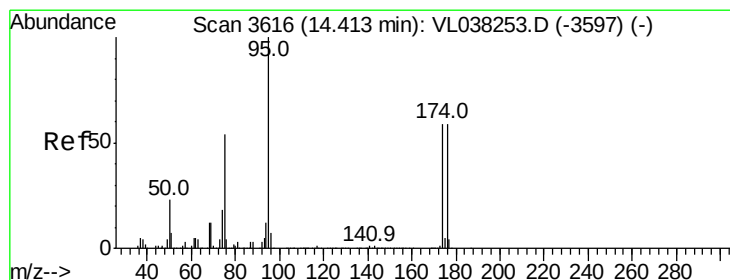
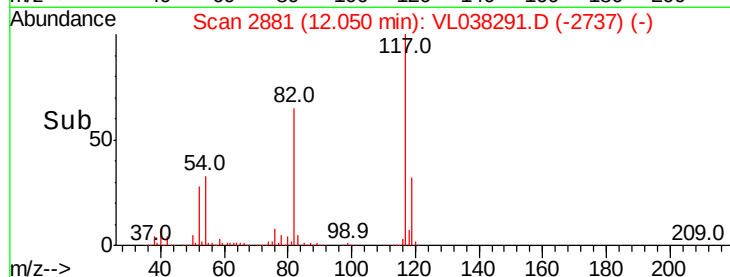
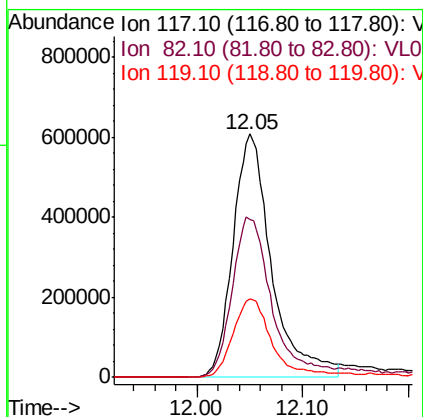
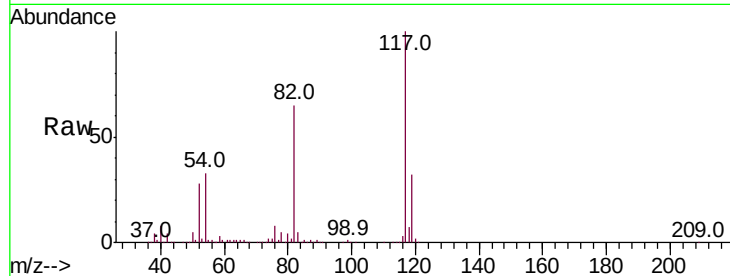


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 26 Jan 2022 16:47

Tot Ion: 1
Ion Ratio
117 100
82 71.
119 35.

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 01/27/2022
Supervised By : Mahesh Dadoda 01/28/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.288 ppbv
RT: 14.38 min Scan# 3605
Delta R.T.: -0.04 min
Lab File: VL038291.D
Acq: 26 Jan 2022 16:47

Tgt Ion: 95 Resp: 1209071
Ion Ratio Lower Upper
95 100
174 61.1 48.3 72.5
175 4.6 3.5 5.3

