

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012622\
 Data File : VL038293.D
 Acq On : 26 Jan 2022 18:05
 Operator : SY/AP
 Sample : N1268-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

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

Quant Time: Jan 27 04:10:44 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	744889	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	1985586	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	1619036	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1171249	9.53	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	30152	0.190	ppbv	95
3) Chlorodifluoromethane	2.98	51	30206m	0.204	ppbv	
4) Chloromethane	3.13	50	22420	0.439	ppbv	98
9) Propene	3.01	41	37806m	0.783	ppbv	
11) Trichlorofluoromethane	3.93	101	27091	0.219	ppbv	87
13) Ethanol	3.59	45	165997m	32.032	ppbv	
15) Acetone	3.83	43	329204	5.013	ppbv	100
19) Isopropyl Alcohol	3.95	45	85779	2.088	ppbv	99
20) Methylene Chloride	4.32	84	51283	1.343	ppbv #	87
25) Ethyl Acetate	5.65	43	69925	0.380	ppbv #	97
29) Chloroform	5.73	83	40118	0.287	ppbv #	83
34) 2-Butanone	5.22	43	16399m	0.253	ppbv	
35) Carbon Tetrachloride	6.99	117	8582m	0.062	ppbv	
36) Benzene	6.86	78	40487	0.231	ppbv	97
43) Methyl Methacrylate	7.98	69	22830m	0.367	ppbv	
52) Tetrachloroethene	11.18	164	3312m	0.055	ppbv	
53) Toluene	9.76	91	43449	0.224	ppbv	97
59) m/p-Xylene	12.93	91	40679m	0.200	ppbv	

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

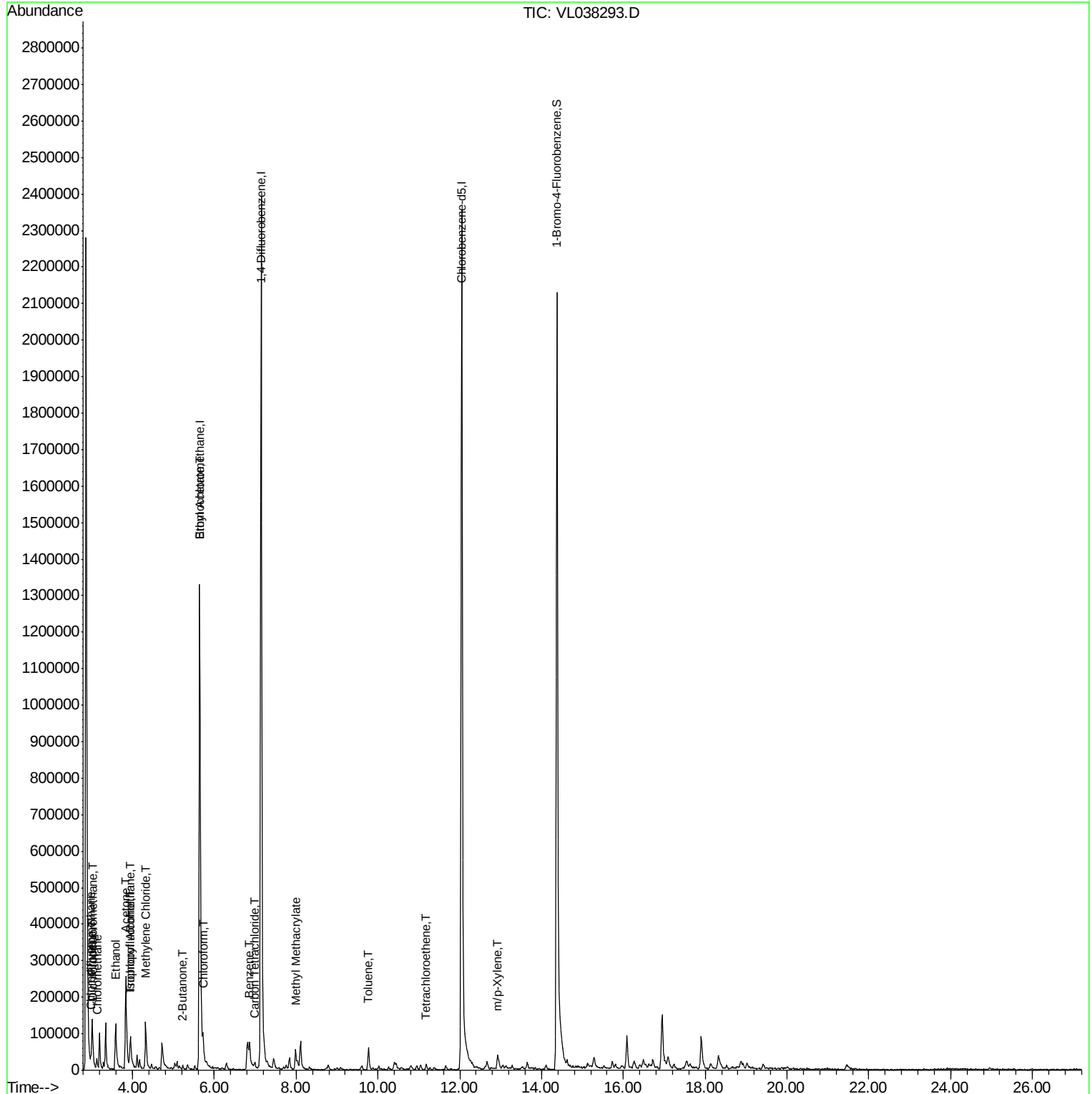
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012622\
Data File : VL038293.D
Acq On : 26 Jan 2022 18:05
Operator : SY/AP
Sample : N1268-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

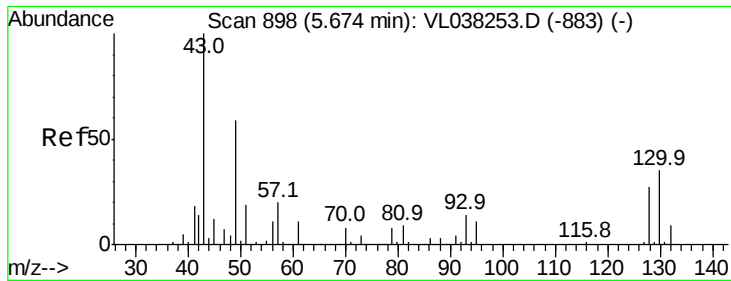
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Jan 27 04:10:44 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
Response via : Initial Calibration

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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: LA-1

Acq: 26 Jan 2022 18:05

Tot Ion:

Ion Ratio

49 100

128 47.

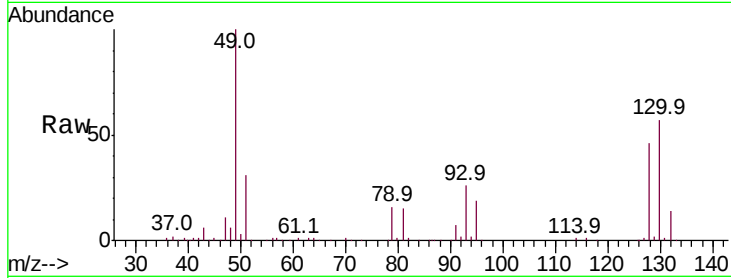
130 61.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/27/2022

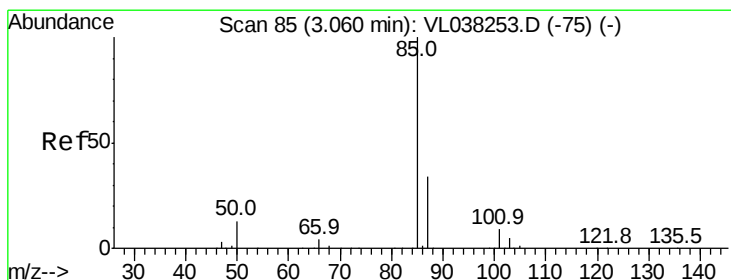
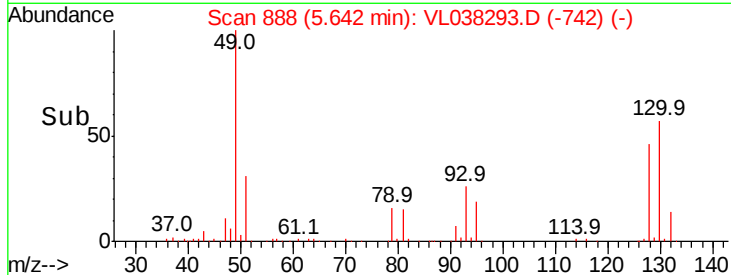
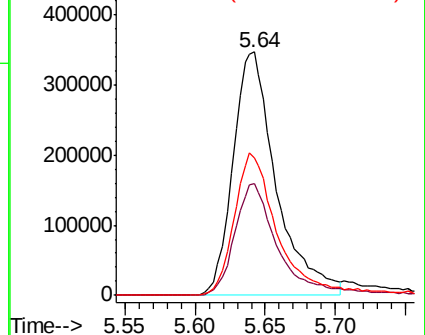
Supervised By :Mahesh Dadoda 01/28/2022



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.190 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.02 min

Lab File: VL038293.D

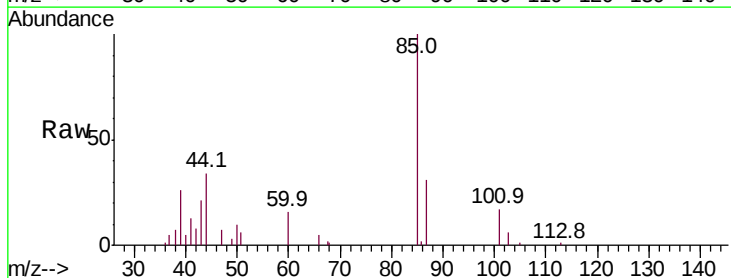
Acq: 26 Jan 2022 18:05

Tgt Ion: 85 Resp: 30152

Ion Ratio Lower Upper

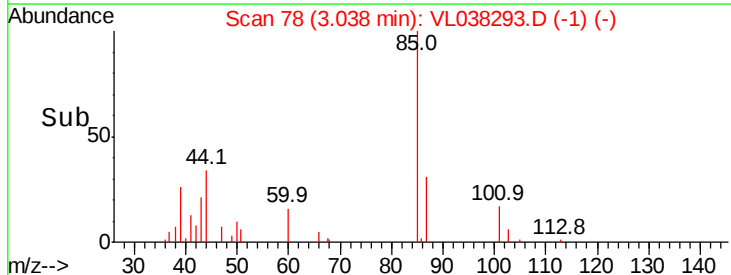
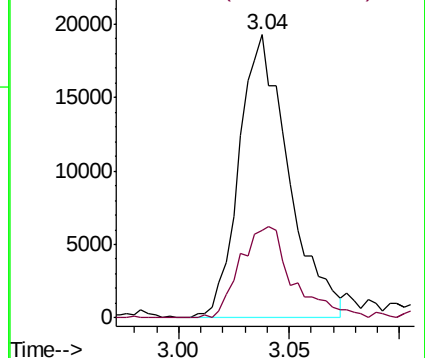
85 100

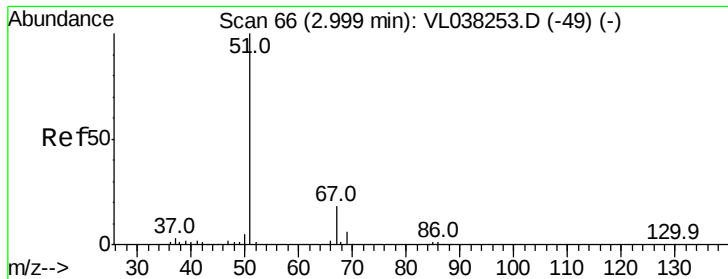
87 30.9 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.204 ppbv m

RT: 2.98 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 26 Jan 2022 18:05

Tot Ion:

Ion Ratio

51 100

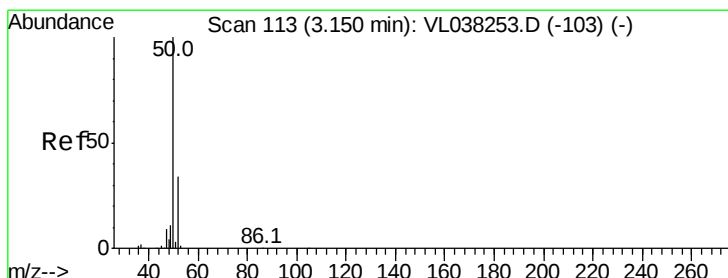
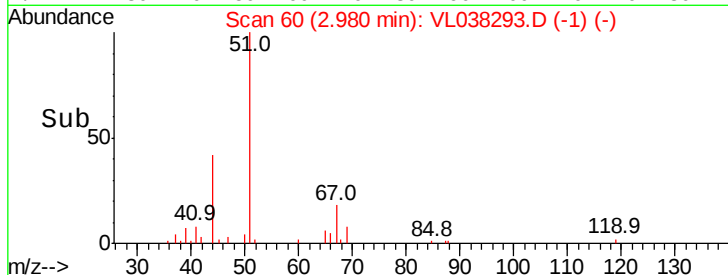
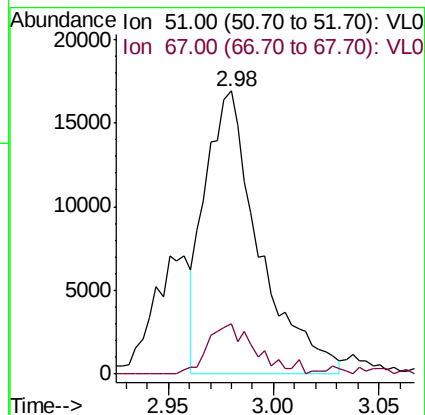
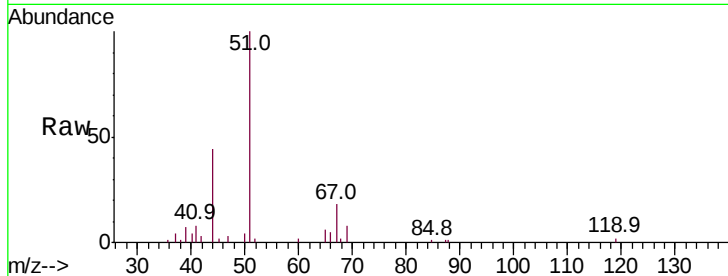
67 16.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#4

Chloromethane

Concen: 0.439 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL038293.D

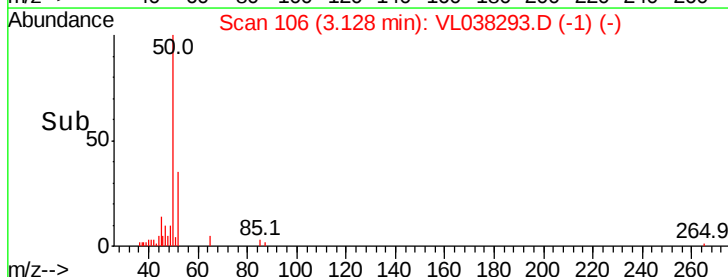
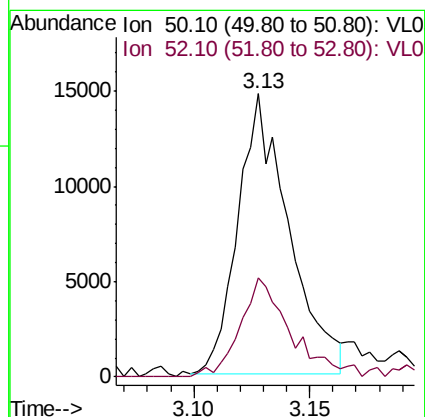
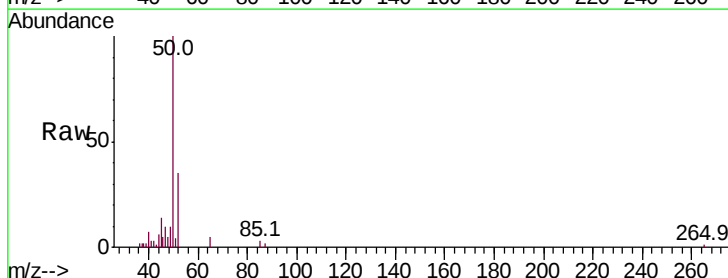
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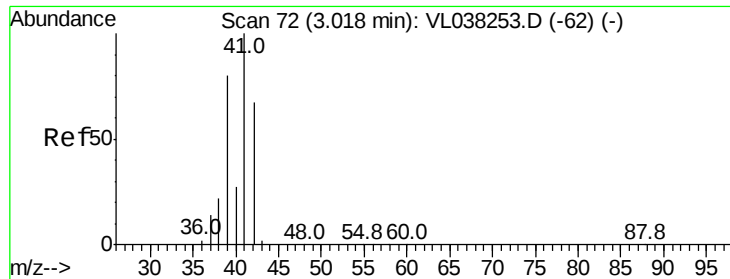
Tgt Ion: 50 Resp: 22420

Ion Ratio Lower Upper

50 100

52 35.2 27.1 40.7





#9

Propene

Concen: 0.783 ppbv m

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Jan 2022 18:05

Tot Ion:

Ion Ratio

41 100

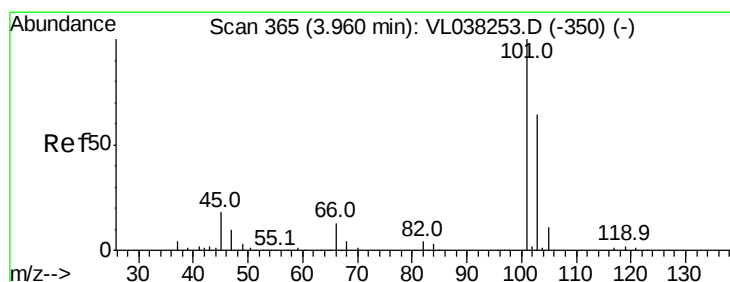
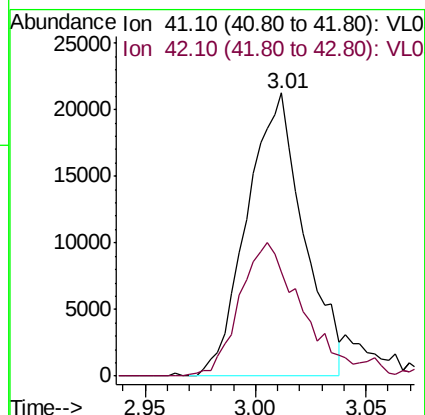
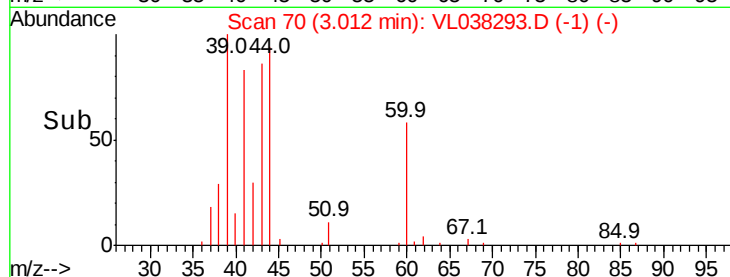
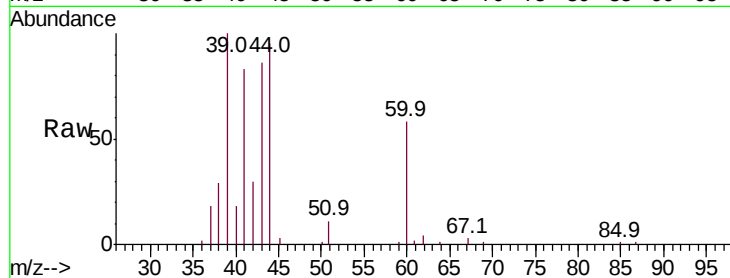
42 60.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#11

Trichlorofluoromethane

Concen: 0.219 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.03 min

Lab File: VL038293.D

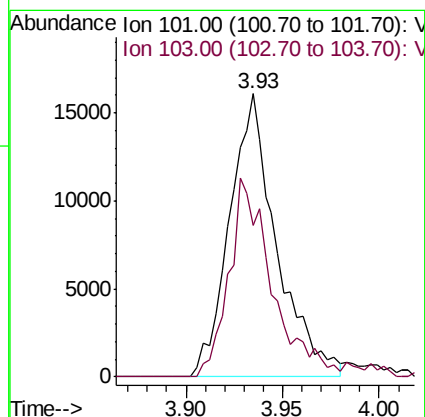
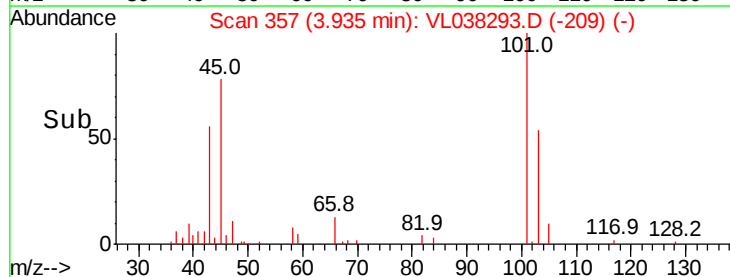
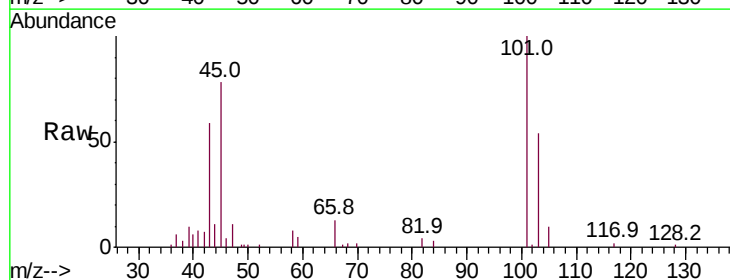
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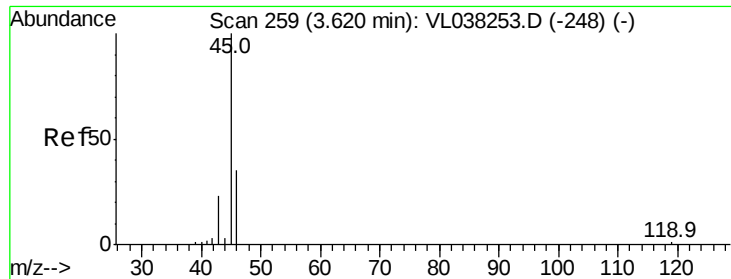
Tgt Ion:101 Resp: 27091

Ion Ratio Lower Upper

101 100

103 53.6 51.2 76.8



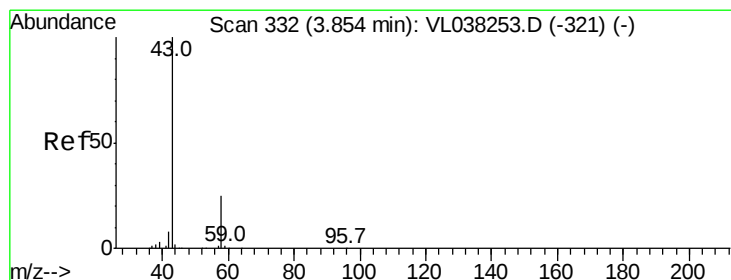
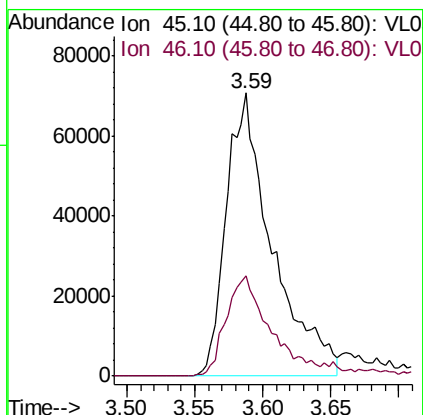
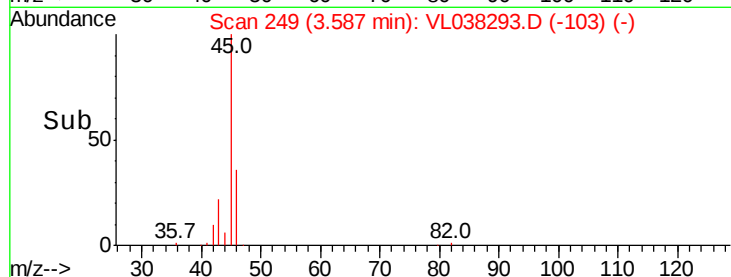
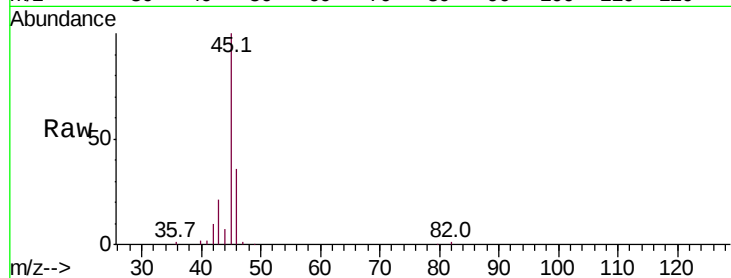


#13
Ethanol
Concen: 32.032 ppbv m
RT: 3.59
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 26 Jan 2022 18:05

Tot Ion:
Ion Ratio
45 100
46 38.

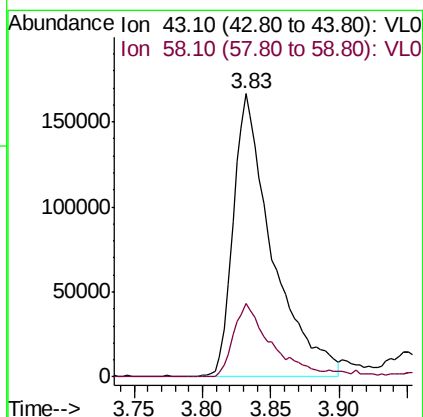
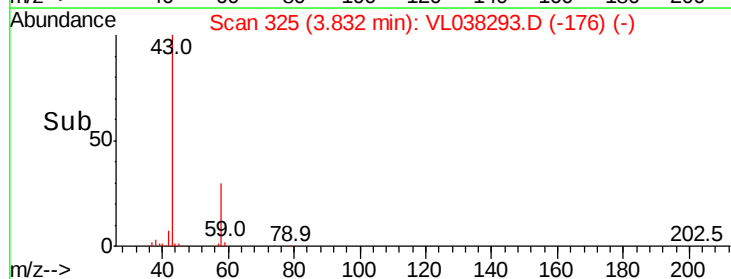
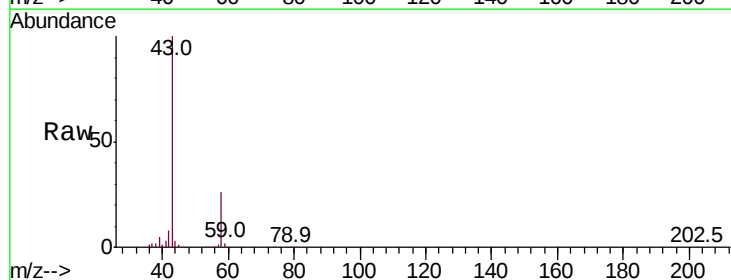
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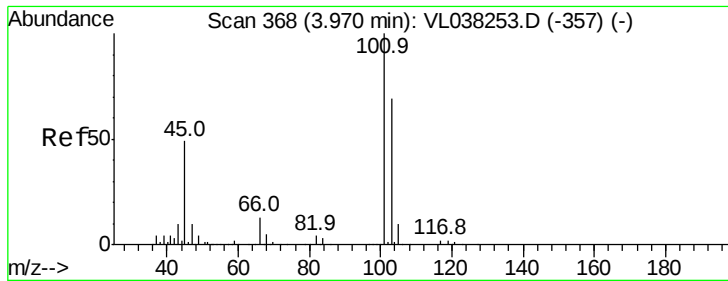
Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



#15
Acetone
Concen: 5.013 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 43 Resp: 329204
Ion Ratio Lower Upper
43 100
58 27.0 21.5 32.3



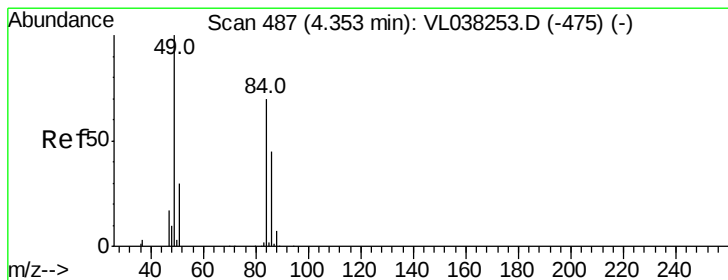
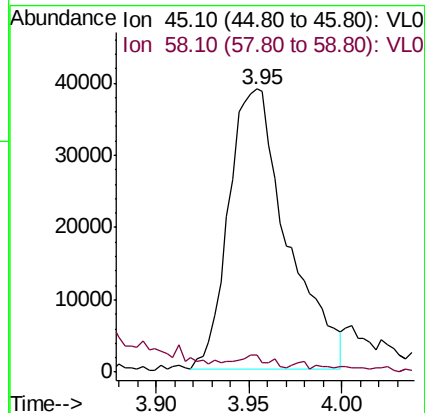
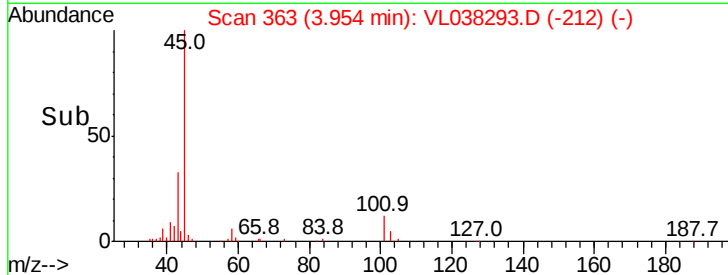
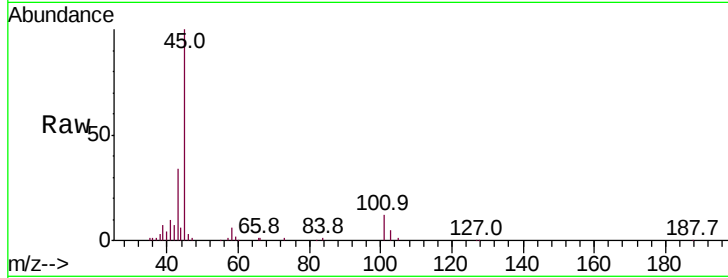


#19
Isopropyl Alcohol
Concen: 2.088 ppbv
RT: 3.95
Instrument : MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 26 Jan 2022 18:05

Tot Ion:
Ion Ratio
45 100
58 3.

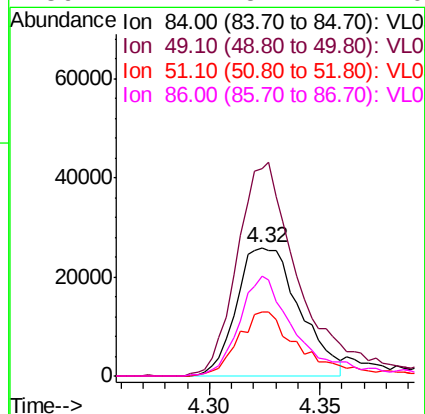
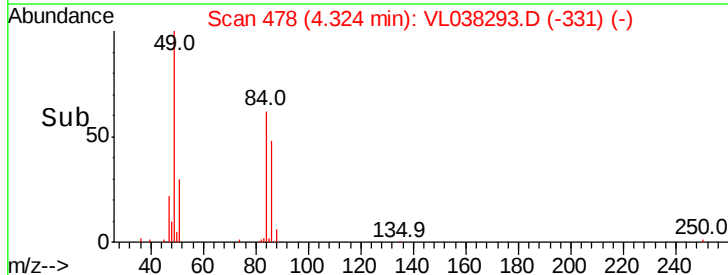
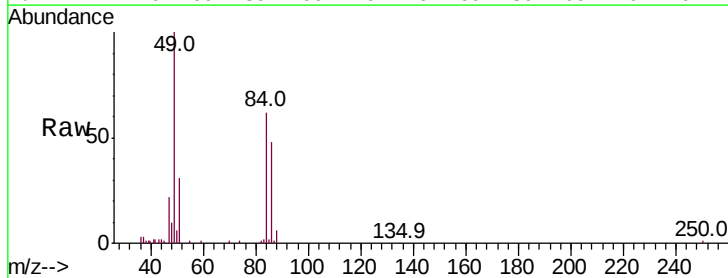
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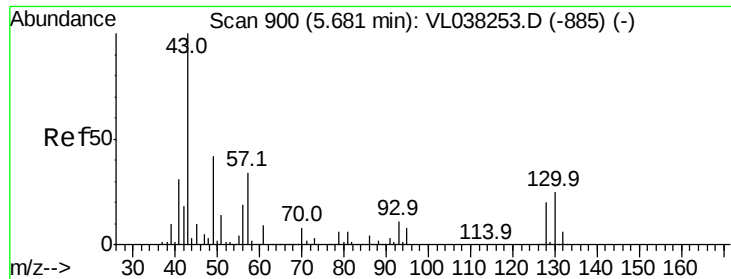
Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



#20
Methylene Chloride
Concen: 1.343 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.03 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 84 Resp: 51283
Ion Ratio Lower Upper
84 100
49 159.8 115.0 172.6
51 49.5 35.0 52.6
86 77.1 51.4 77.0#



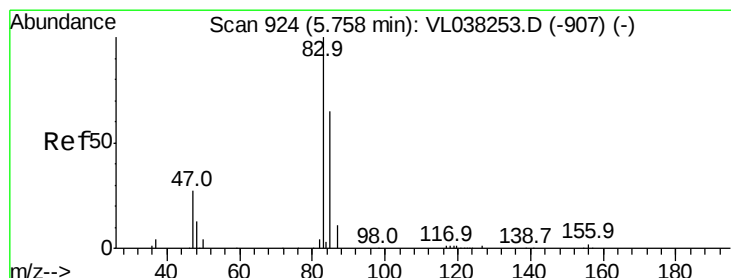
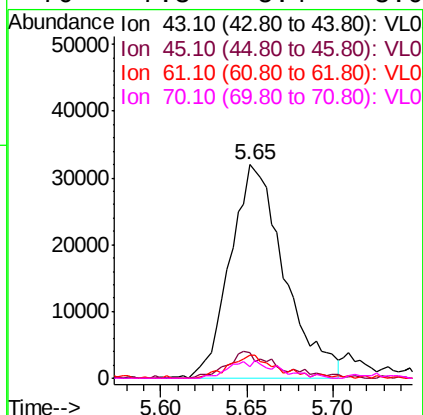
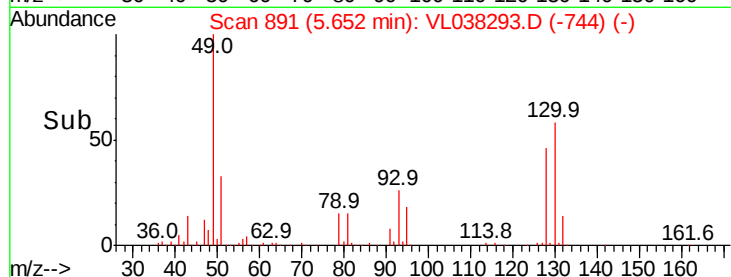
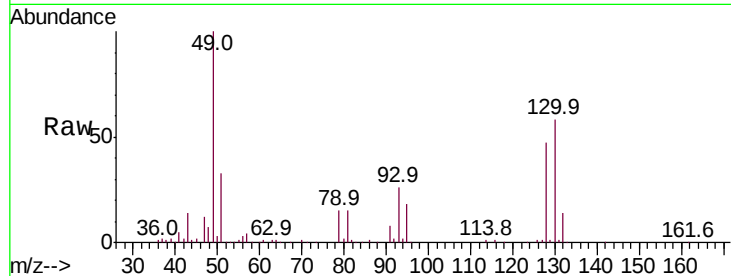


#25
Ethyl Acetate
Concen: 0.380 ppbv
RT: 5.65 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 26 Jan 2022 18:05

Tot Ion:
Ion Ratio
43 100
45 12.
61 9.
70 7.3 5.4 8.0

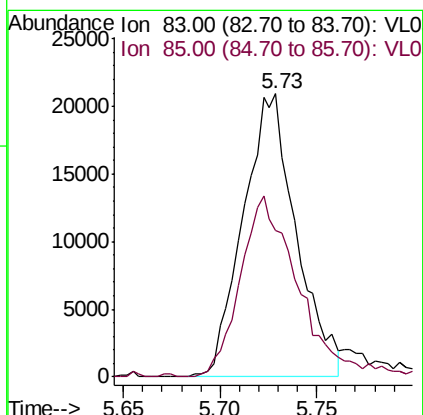
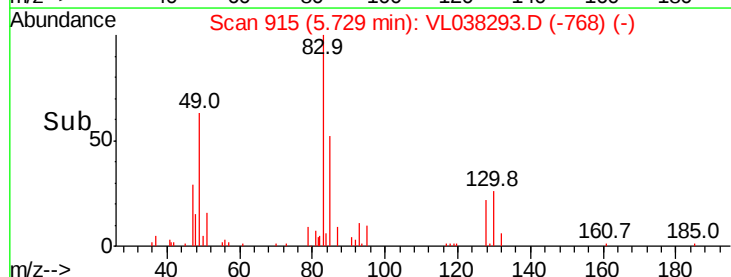
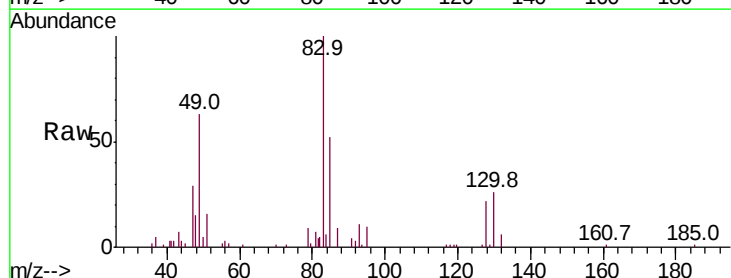
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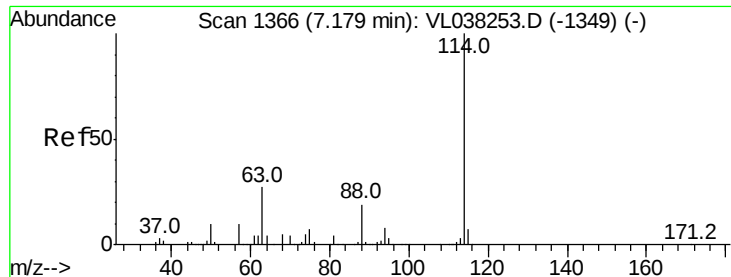
Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



#29
Chloroform
Concen: 0.287 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.03 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 83 Resp: 40118
Ion Ratio Lower Upper
83 100
85 51.5 51.9 77.9#



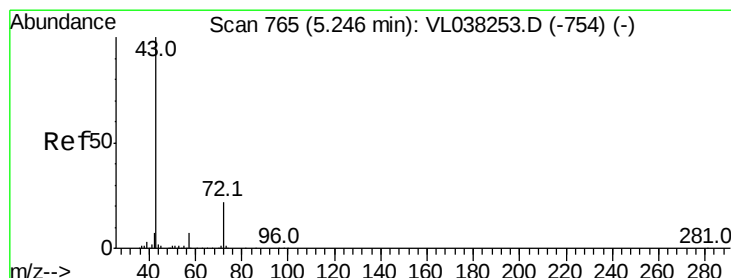
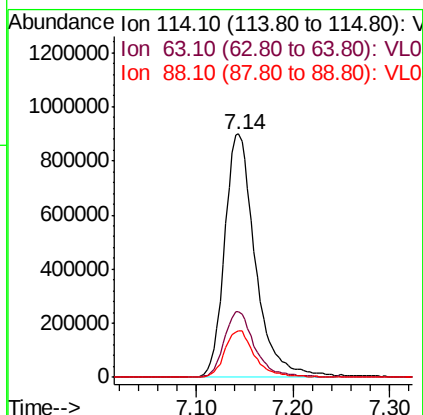
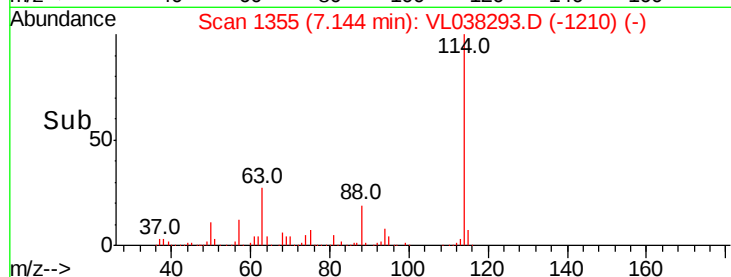
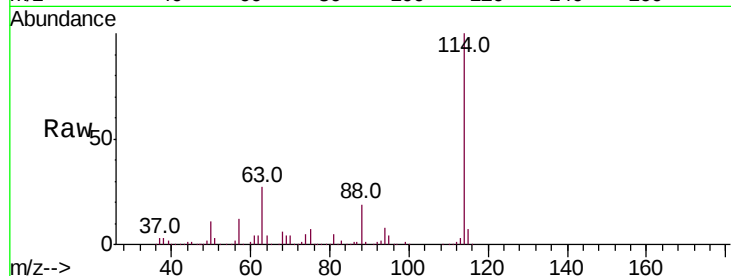


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Jan 2022 18:05

Tot Ion:1
 Ion Rati
 114 100
 63 27.
 88 19.

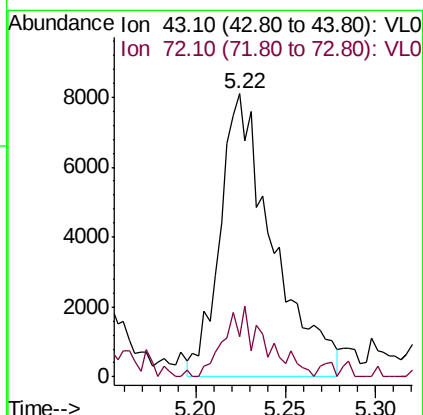
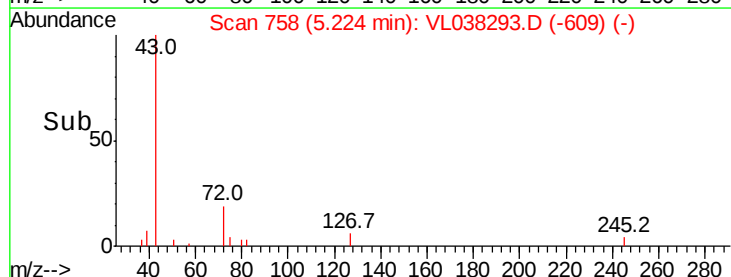
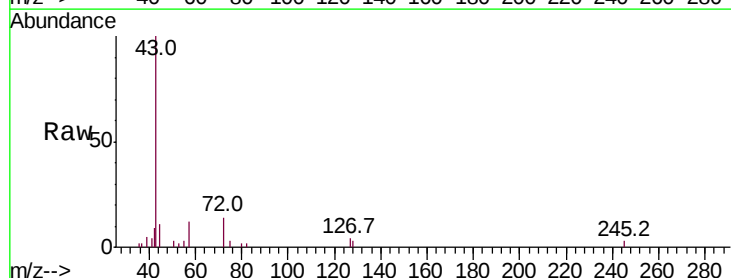
Manual Integrations
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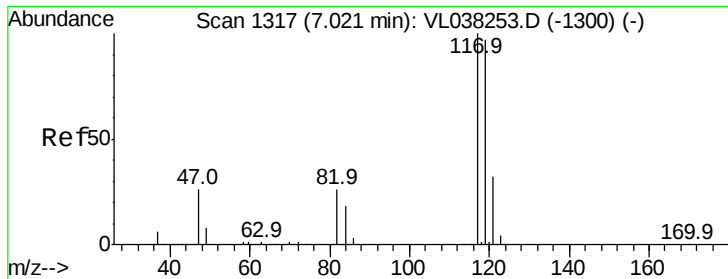
Reviewed By :Semsettin Yesilyurt 01/27/2022
 Supervised By :Mahesh Dadoda 01/28/2022



#34
 2-Butanone
 Concen: 0.253 ppbv m
 RT: 5.22 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: VL038293.D
 Acq: 26 Jan 2022 18:05

Tgt Ion: 43 Resp: 16399
 Ion Ratio Lower Upper
 43 100
 72 21.4 18.1 27.1





#35

Carbon Tetrachloride

Concen: 0.062 ppbv m

RT: 6.99 Instrument:

Delta R.T. MSVOA_L

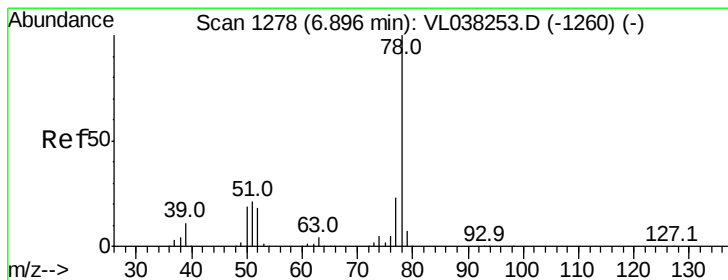
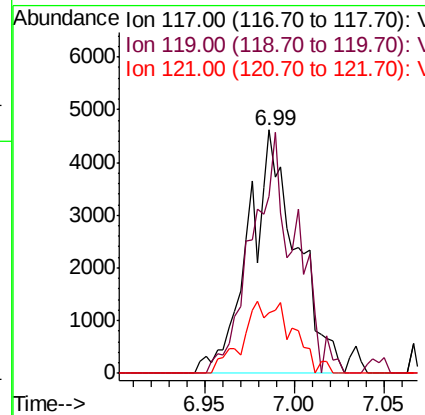
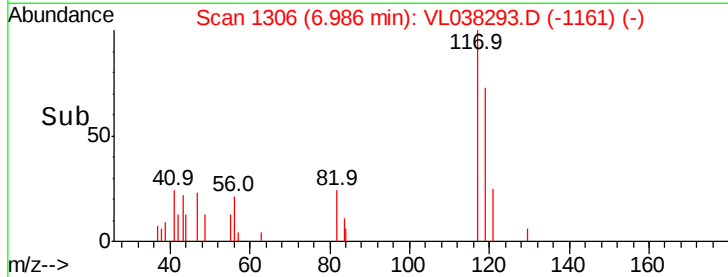
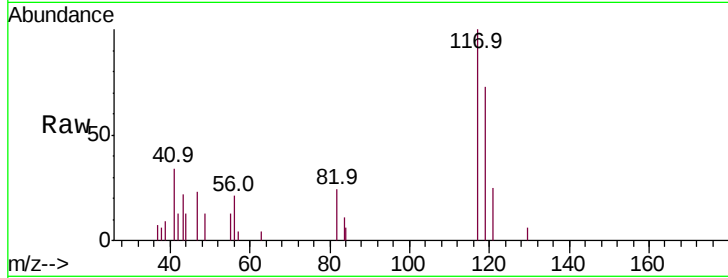
Lab File: ClientSampleId:

Acq: 26 Jan 2022 18:05

Tot Ion:1
Ion Rati
117 100
119 72.
121 25.

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



#36

Benzene

Concen: 0.231 ppbv

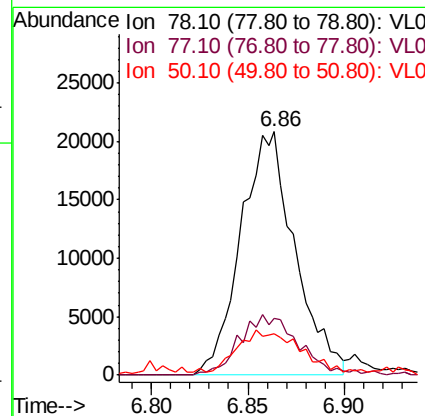
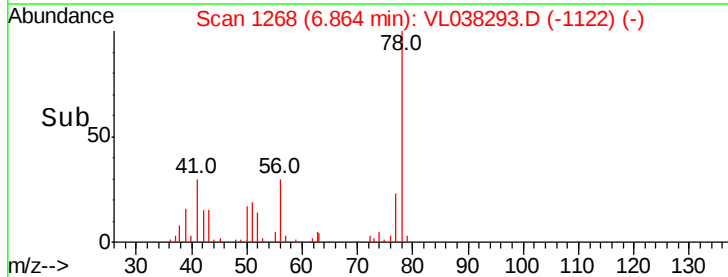
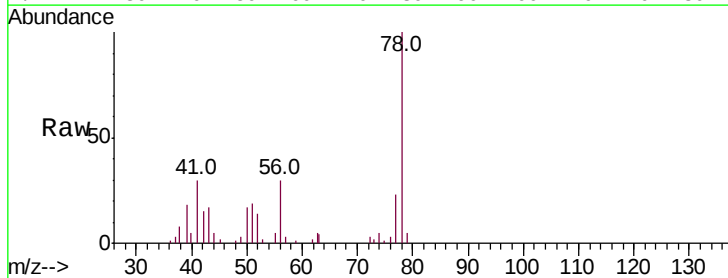
RT: 6.86 min Scan# 1268

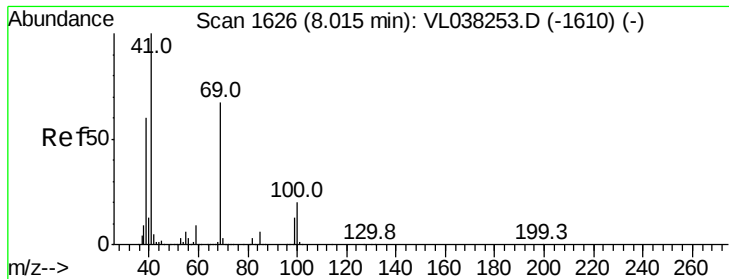
Delta R.T. -0.03 min

Lab File: VL038293.D

Acq: 26 Jan 2022 18:05

Tgt Ion: 78 Resp: 40487
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.2
50 16.3 15.1 22.7



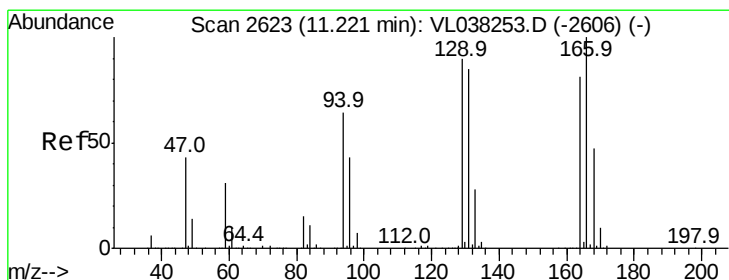
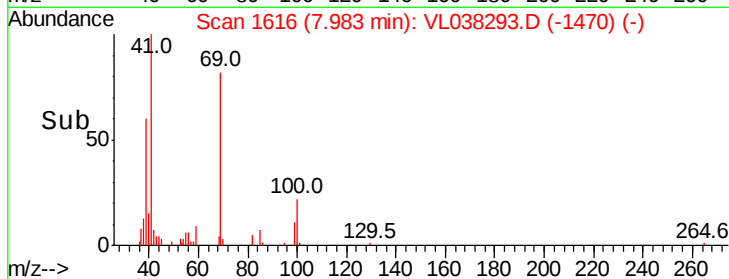
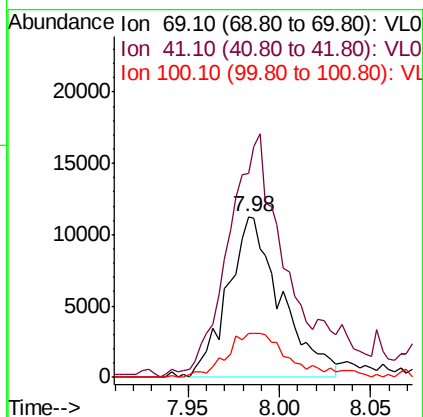
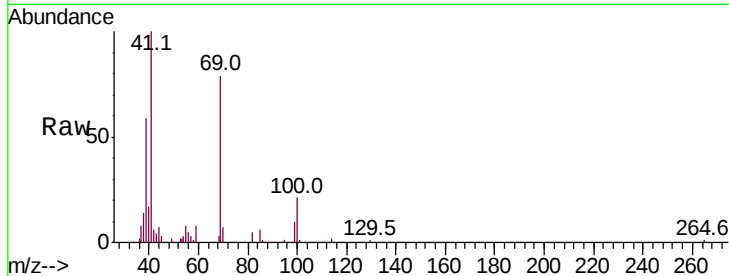


#43
Methyl Methacrylate
Concen: 0.367 ppbv m
RT: 7.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 26 Jan 2022 18:05

Tot Ion:
Ion Ratio
69 100
41 176.
100 33.

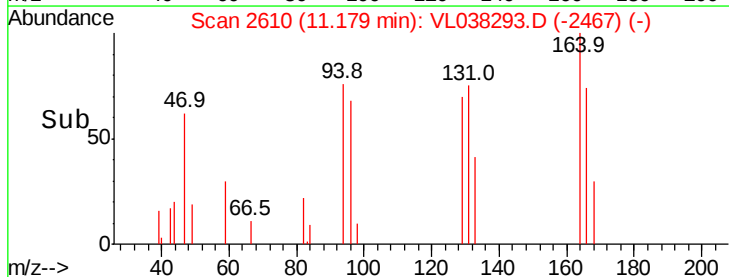
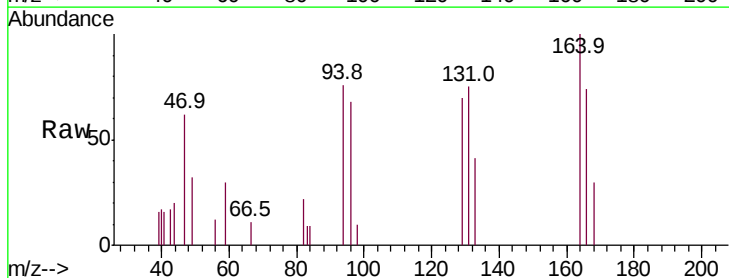
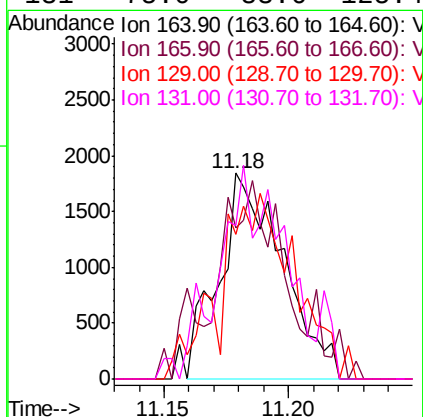
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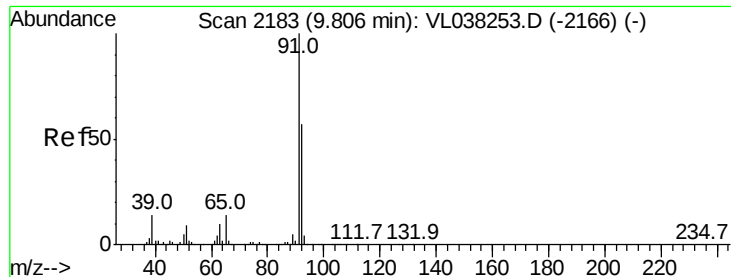
Reviewed By :Semsettin Yesilyurt 01/27/2022
Supervised By :Mahesh Dadoda 01/28/2022



#52
Tetrachloroethene
Concen: 0.055 ppbv m
RT: 11.18 min Scan# 2610
Delta R.T. -0.04 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion:164 Resp: 3312
Ion Ratio Lower Upper
164 100
166 73.6 98.8 148.2#
129 70.3 89.2 133.8#
131 75.0 83.6 125.4#





#53

Toluene

Concen: 0.224 ppbv

RT: 9.76

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 26 Jan 2022 18:05

Tot Ion:

Ion Ratio

91 100

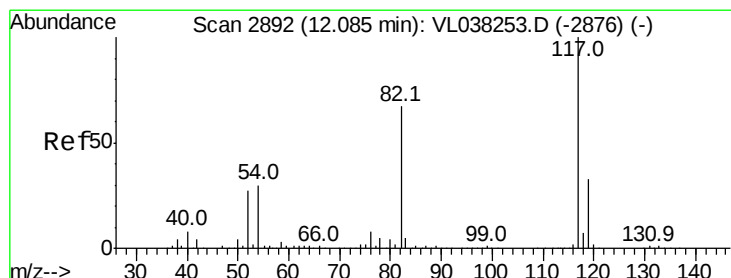
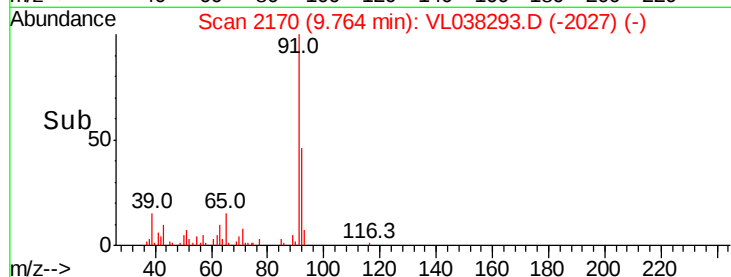
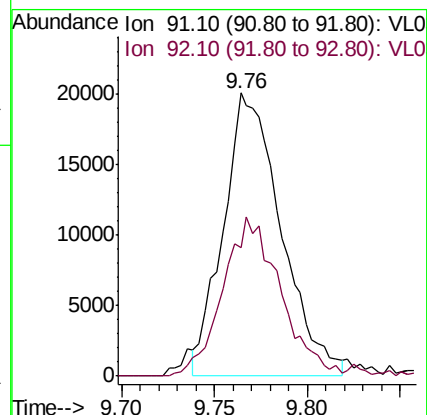
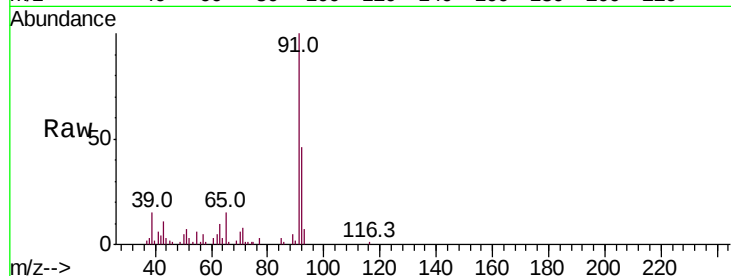
92 57.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2022

Supervised By :Mahesh Dadoda 01/28/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2880

Delta R.T. -0.04 min

Lab File: VL038293.D

Acq: 26 Jan 2022 18:05

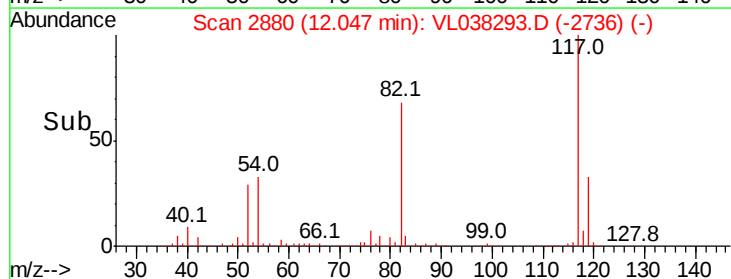
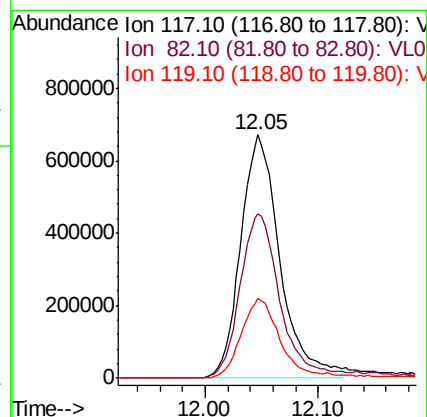
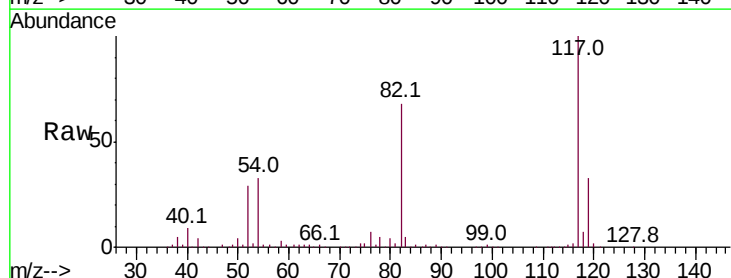
Tgt Ion:117 Resp: 1619036

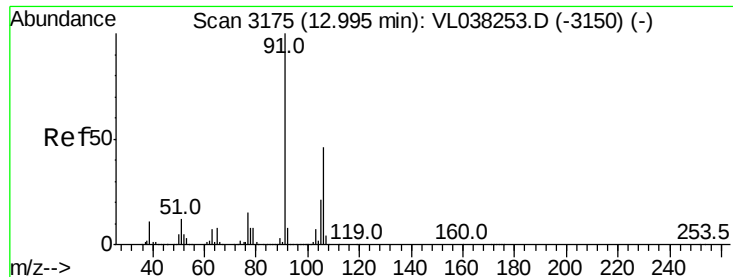
Ion Ratio Lower Upper

117 100

82 72.9 54.4 81.6

119 34.5 45.9 68.9#



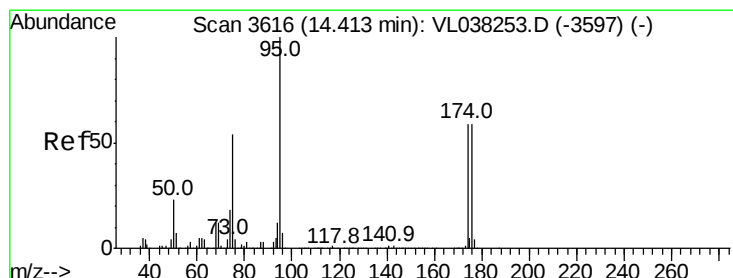
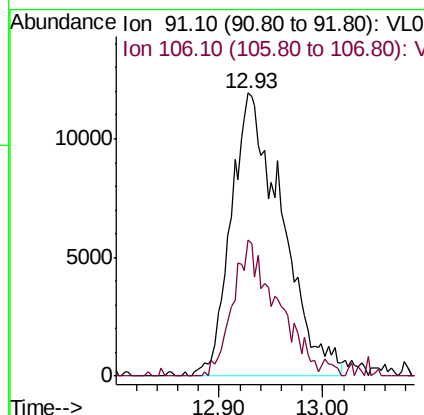
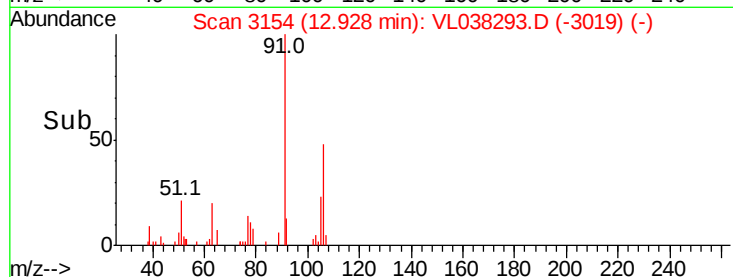
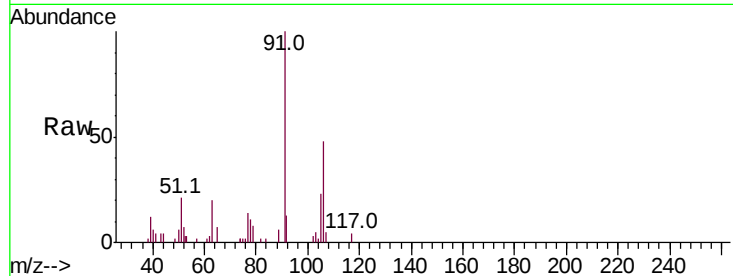


#59
m/p-Xylene
Concen: 0.200 ppbv m
RT: 12.93
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 26 Jan 2022 18:05

Tot Ion:
Ion Ratio
91 100
106 0.

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.531 ppbv
RT: 14.38 min Scan# 3605
Delta R.T. -0.04 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 95 Resp: 1171249
Ion Ratio Lower Upper
95 100
174 65.5 48.3 72.5
175 4.8 3.5 5.3

