

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038847.D
 Acq On : 7 Apr 2022 18:53
 Operator : SY/AP
 Sample : N2273-02DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1160-A1-2DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/09/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Quant Time: Apr 08 08:06:43 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1263810	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3071728	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	2623553	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2137614	10.74	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.08	85	24954m	0.139	ppbv	
3) Chlorodifluoromethane	3.01	51	20905m	0.136	ppbv	
4) Chloromethane	3.16	50	13210m	0.165	ppbv	
9) Propene	3.04	41	215988m	2.647	ppbv	
10) Heptane	8.15	43	23386	0.114	ppbv	91
13) Ethanol	3.64	45	69270m	13.968	ppbv	
15) Acetone	3.87	43	688363	5.471	ppbv	98
19) Isopropyl Alcohol	4.00	45	35819m	0.557	ppbv	
20) Methylene Chloride	4.37	84	47325	1.037	ppbv #	82
26) Hexane	5.71	57	90718	0.624	ppbv #	50
34) 2-Butanone	5.28	43	48804m	0.402	ppbv	
36) Benzene	6.92	78	29675m	0.106	ppbv	
52) Tetrachloroethene	11.25	164	11052m	0.113	ppbv	
53) Toluene	9.83	91	321486	0.997	ppbv	99
58) Ethyl Benzene	12.74	91	76999m	0.196	ppbv	
59) m/p-Xylene	12.99	91	224457	0.681	ppbv	98
60) o-Xylene	13.72	91	78439m	0.255	ppbv	
61) Styrene	13.55	104	56987	0.304	ppbv #	91

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040722\
Data File : VL038847.D
Acq On : 7 Apr 2022 18:53
Operator : SY/AP
Sample : N2273-02DL 4X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2DL

Manual Integrations
APPROVED

Quant Time: Apr 08 08:06:43 2022

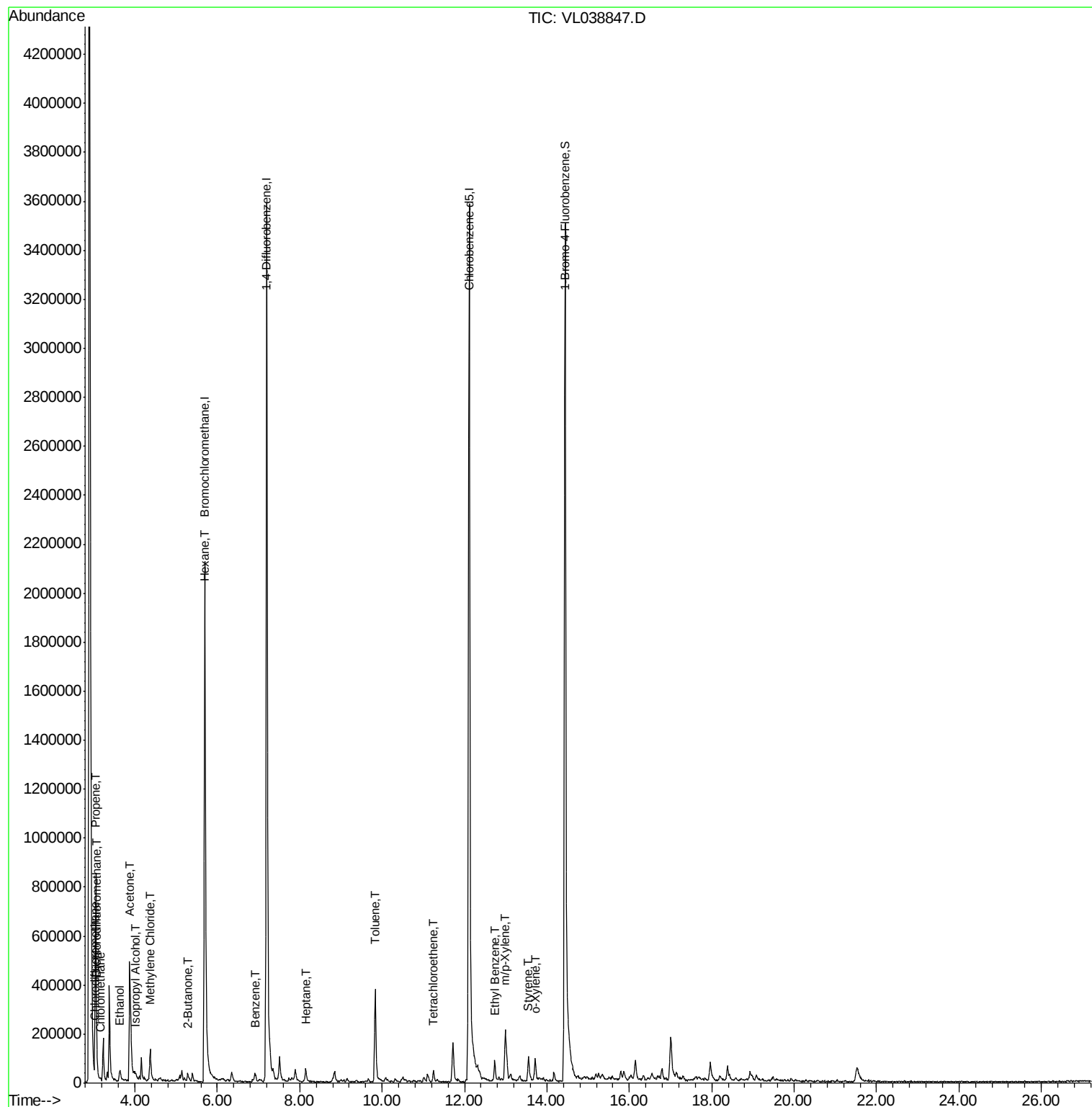
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL040522

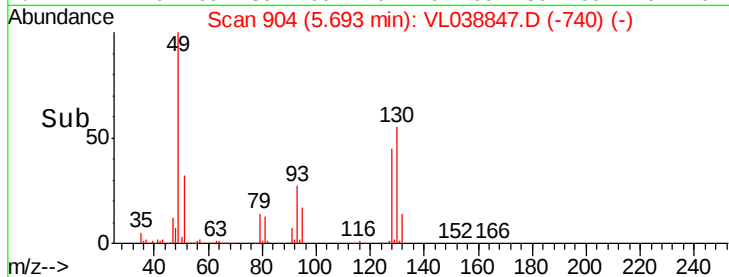
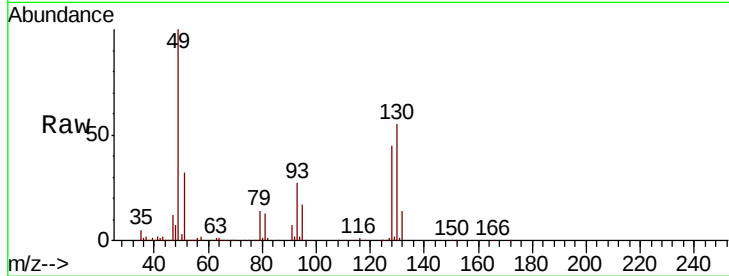
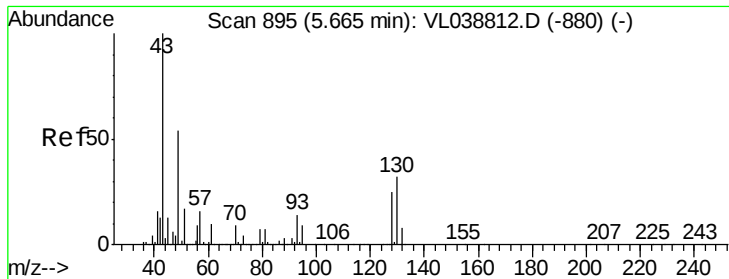
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Apr 2022 18:55

Tot Ion:

Ion Ratio

49 100

128 46.

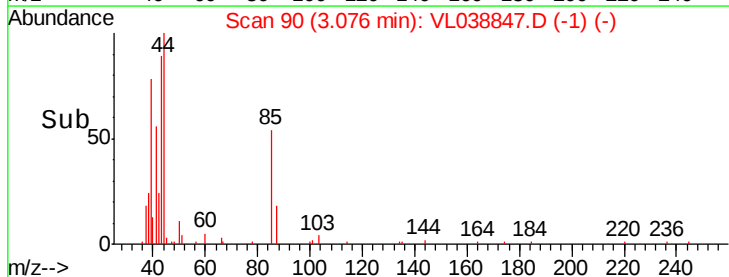
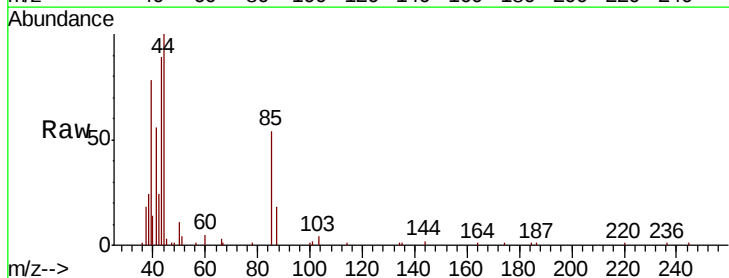
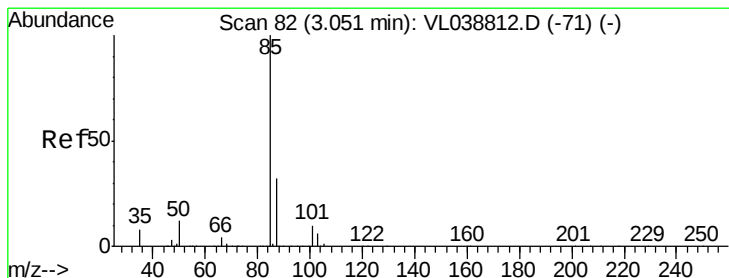
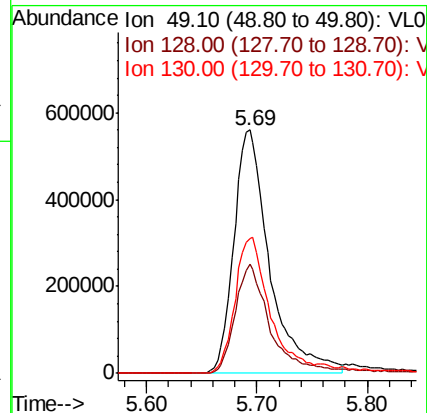
130 59.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#2

Dichlorodifluoromethane

Concen: 0.139 ppbv m

RT: 3.08 min Scan# 90

Delta R.T. 0.03 min

Lab File: VL038847.D

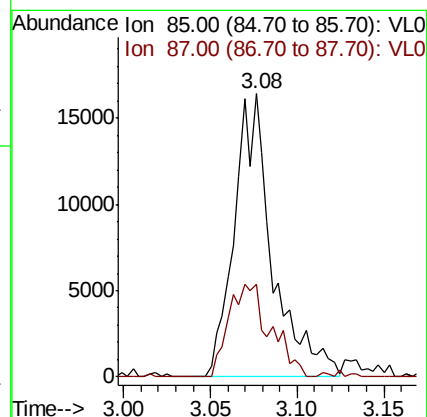
Acq: 7 Apr 2022 18:53

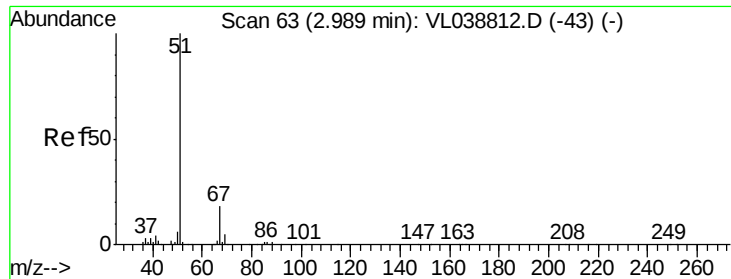
Tgt Ion: 85 Resp: 24954

Ion Ratio Lower Upper

85 100

87 32.7 25.9 38.9



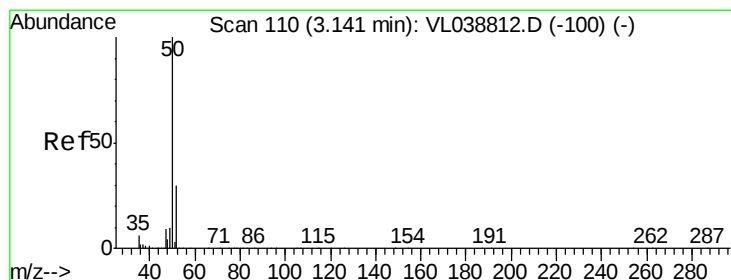
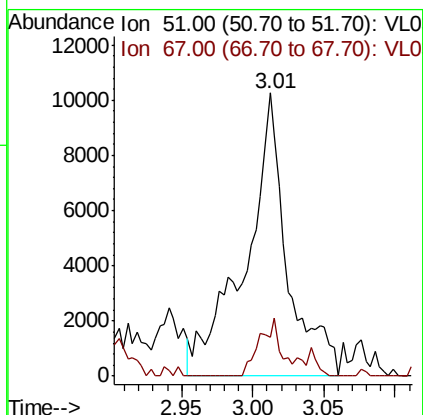
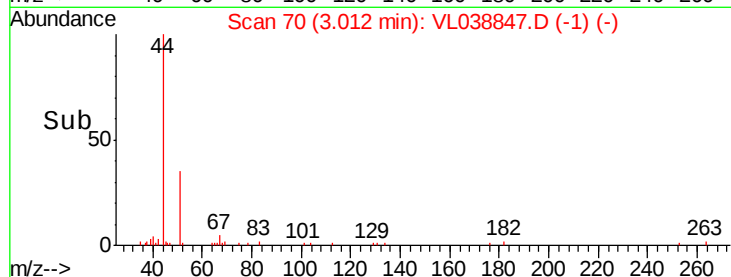
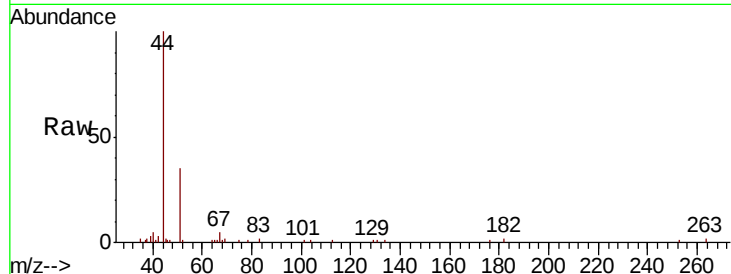


#3
Chlorodifluoromethane
Concen: 0.136 ppbv m
RT: 3.01
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId : 1160-A1-2DL
Acq: 7 Apr 2022 18:55

Tot Ion:
Ion Ratio
51 100
67 0.

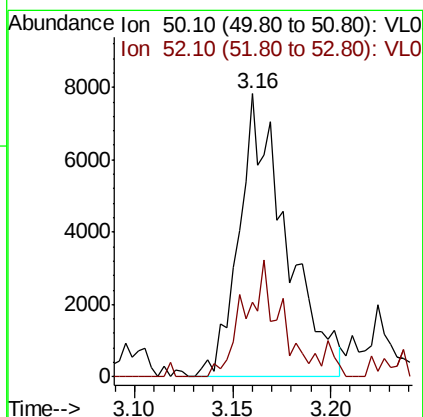
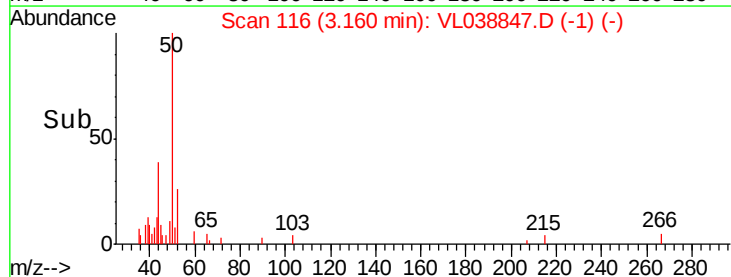
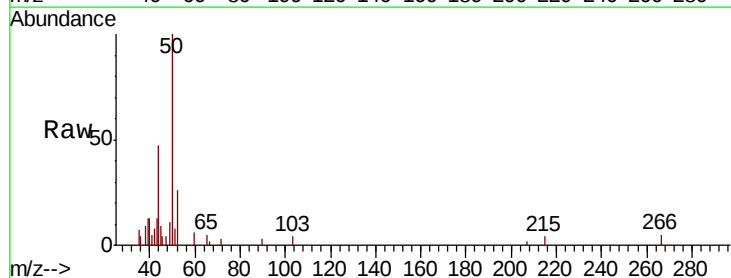
Manual Integrations
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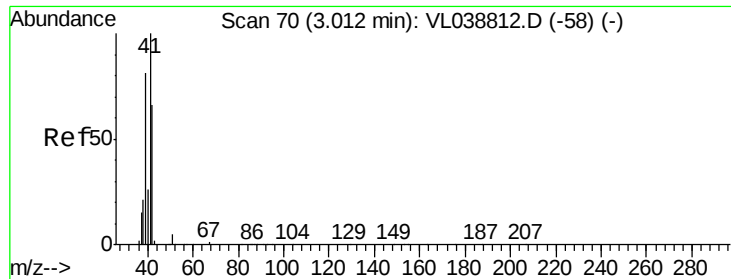
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#4
Chloromethane
Concen: 0.165 ppbv m
RT: 3.16 min Scan# 116
Delta R.T. 0.02 min
Lab File: VL038847.D
Acq: 7 Apr 2022 18:53

Tgt Ion: 50 Resp: 13210
Ion Ratio Lower Upper
50 100
52 26.3 24.3 36.5





#9

Propene

Concen: 2.647 ppbv m

RT: 3.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Apr 2022 18:55

Tot Ion:

Ion Ratio

41 100

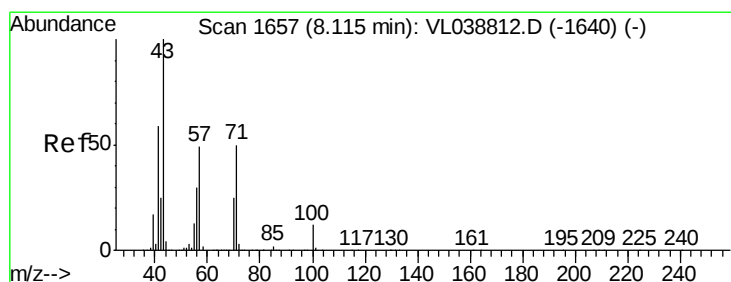
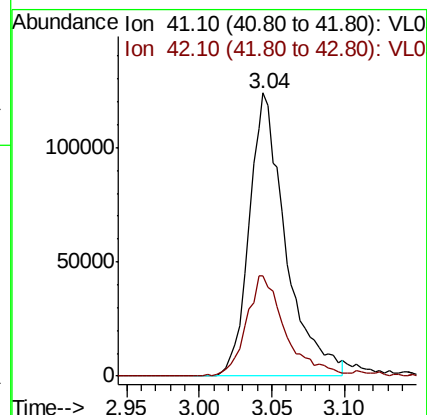
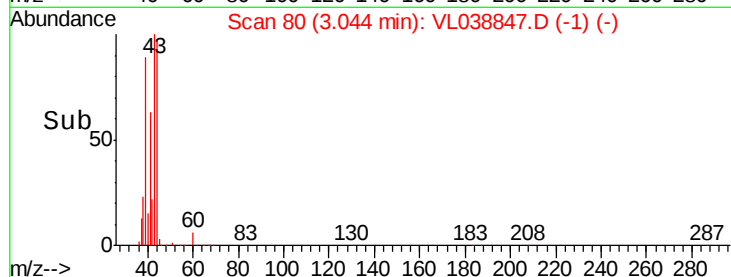
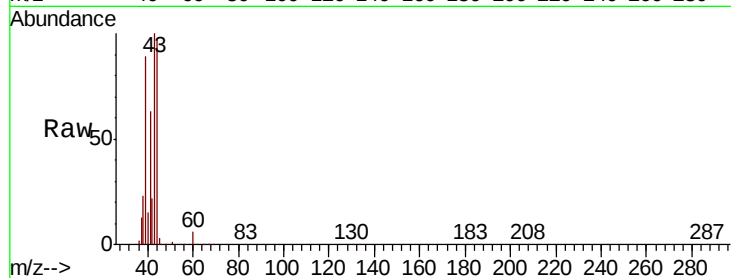
42 20.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#10

Heptane

Concen: 0.114 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. 0.04 min

Lab File: VL038847.D

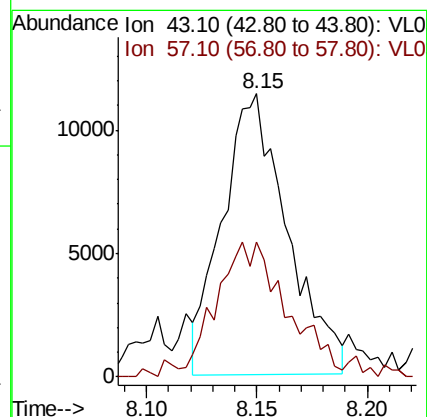
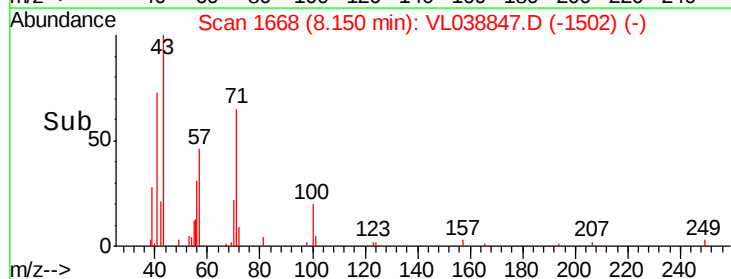
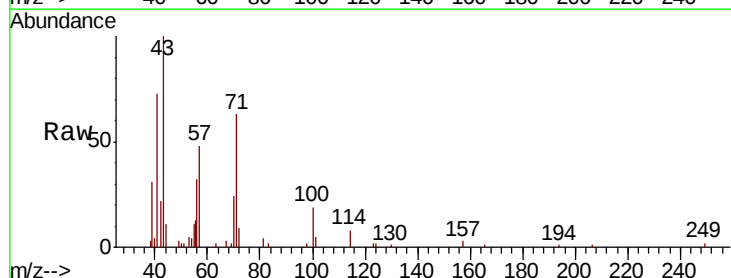
Acq: 7 Apr 2022 18:53

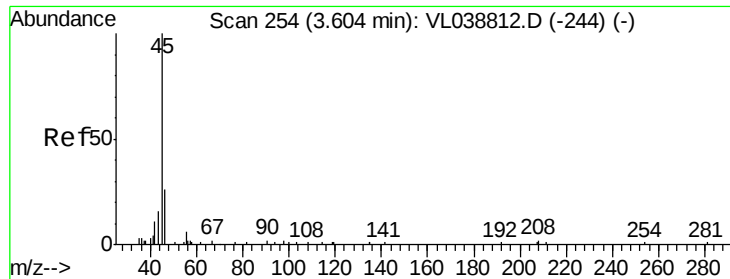
Tgt Ion: 43 Resp: 23386

Ion Ratio Lower Upper

43 100

57 55.6 39.3 58.9



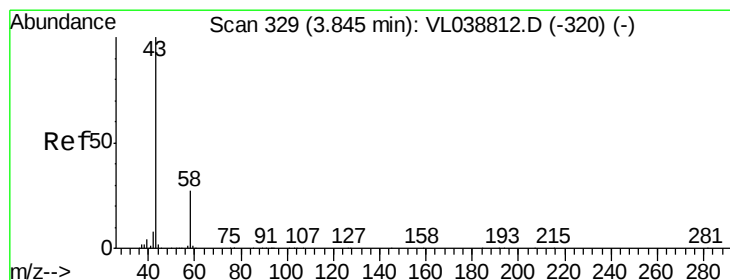
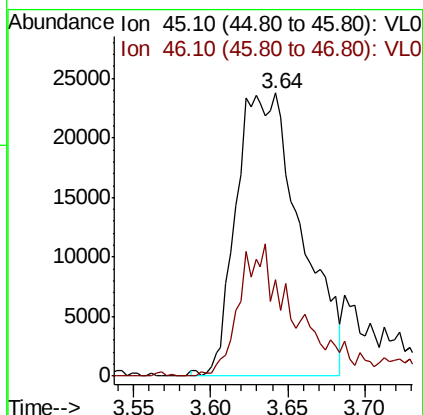
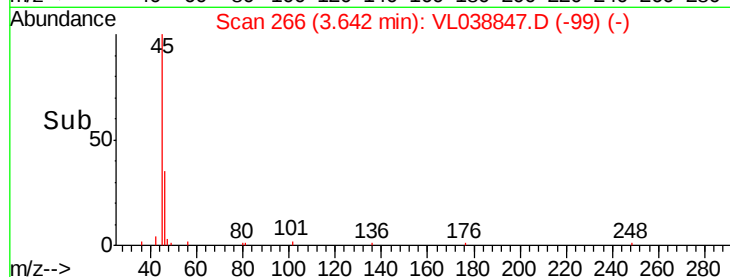
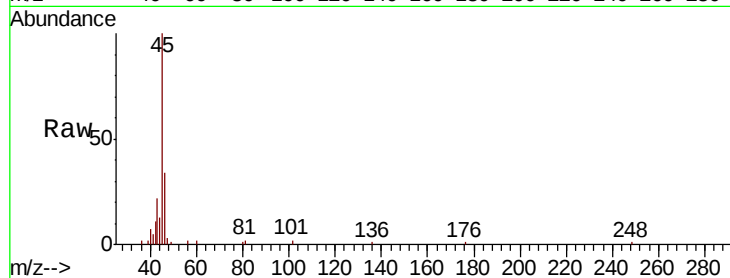


#13
Ethanol
Concen: 13.968 ppbv m
RT: 3.64
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 7 Apr 2022 18:55

Tot Ion:
Ion Ratio
45 100
46 0.

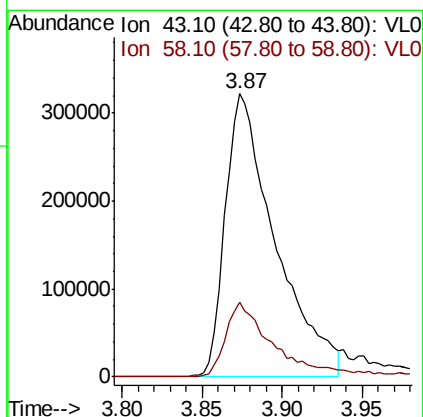
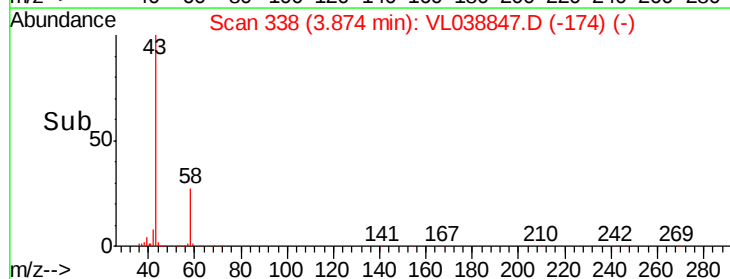
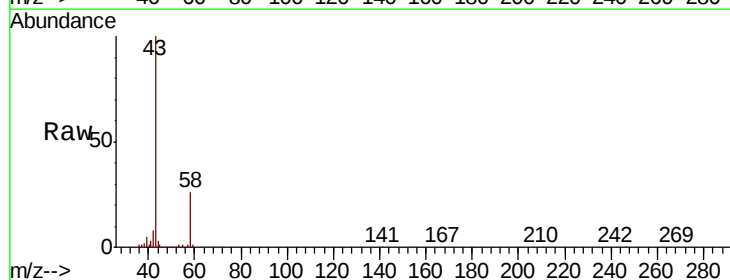
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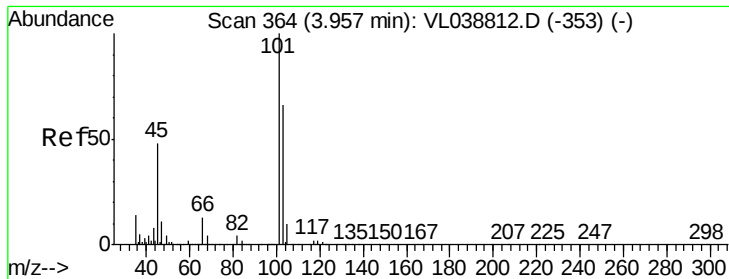
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#15
Acetone
Concen: 5.471 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.03 min
Lab File: VL038847.D
Acq: 7 Apr 2022 18:53

Tgt Ion: 43 Resp: 688363
Ion Ratio Lower Upper
43 100
58 27.2 22.5 33.7





#19

Isopropyl Alcohol

Concen: 0.557 ppbv m

RT: 4.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Apr 2022 18:55

Tot Ion:

Ion Ratio

45 100

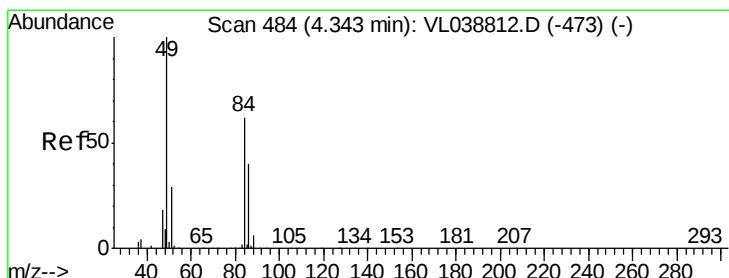
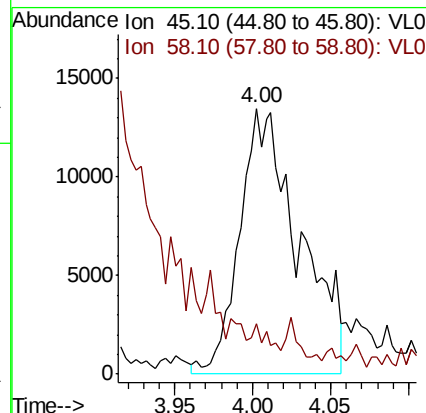
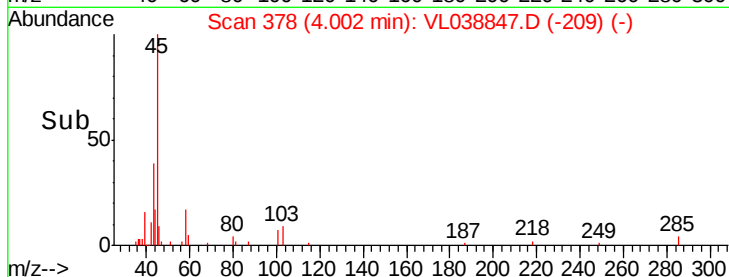
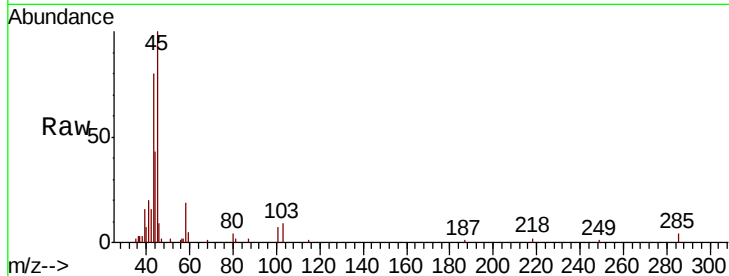
58 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#20

Methylene Chloride

Concen: 1.037 ppbv

RT: 4.37 min Scan# 493

Delta R.T. 0.03 min

Lab File: VL038847.D

Acq: 7 Apr 2022 18:53

Tgt Ion: 84 Resp: 47325

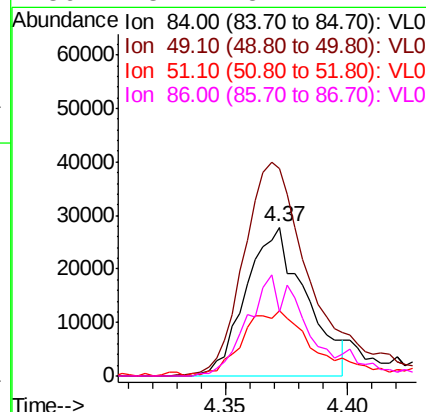
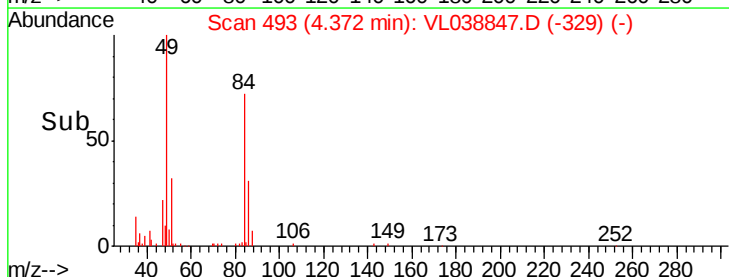
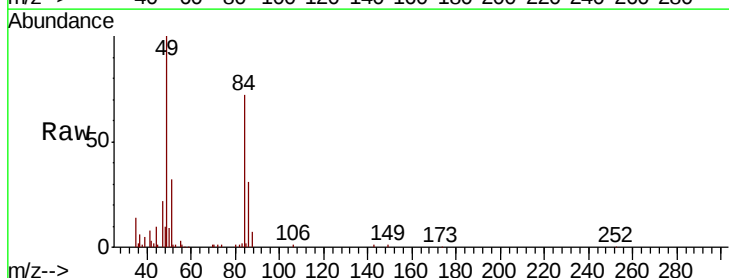
Ion Ratio Lower Upper

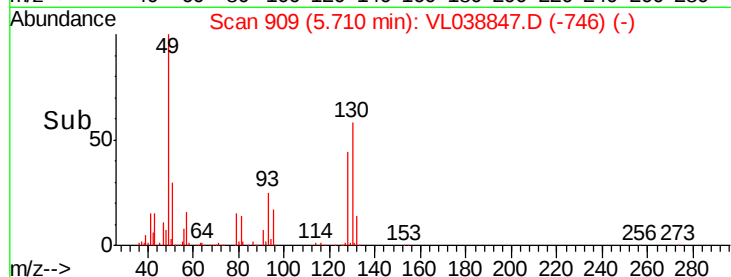
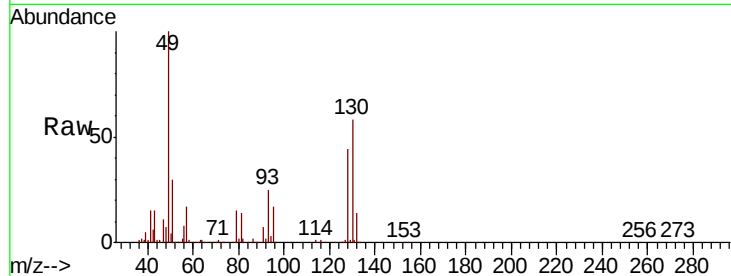
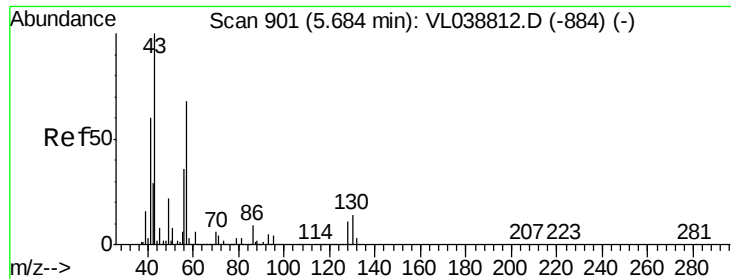
84 100

49 137.6 129.4 194.0

51 41.9 37.4 56.2

86 43.1 51.4 77.2#



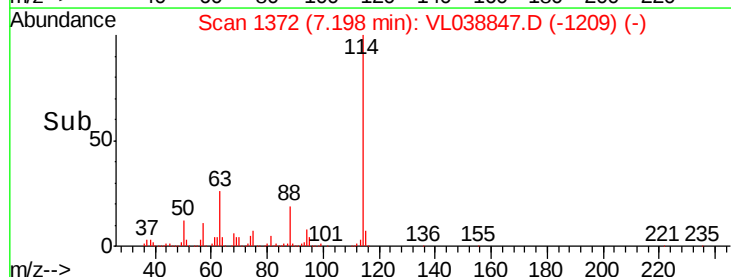
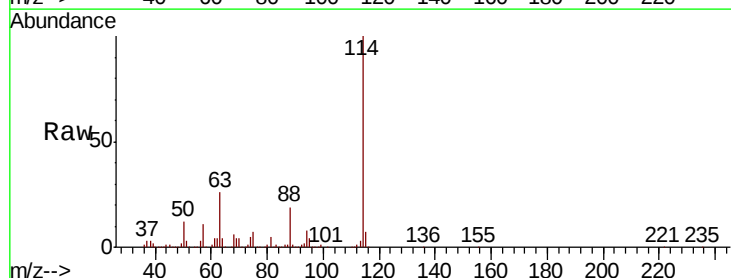
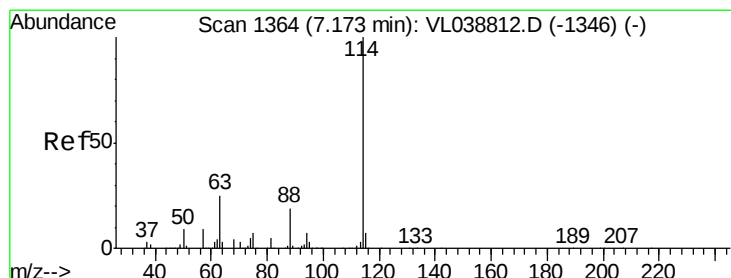
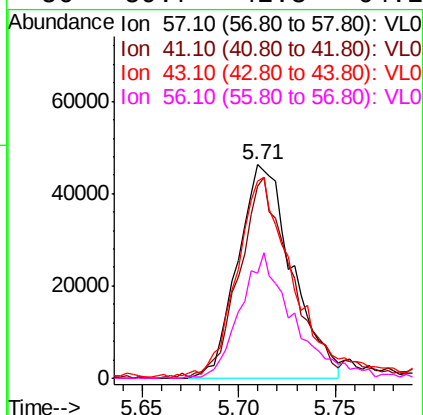


#26
Hexane
Concen: 0.624 ppbv
RT: 5.71 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Apr 2022 18:55

Tot Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio: 41.10 (40.80 to 41.80): VL0
57 100
41 94.
43 103.
56 59.7 42.8 64.2

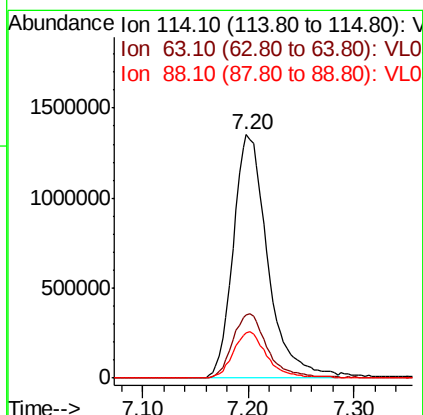
Manual Integrations
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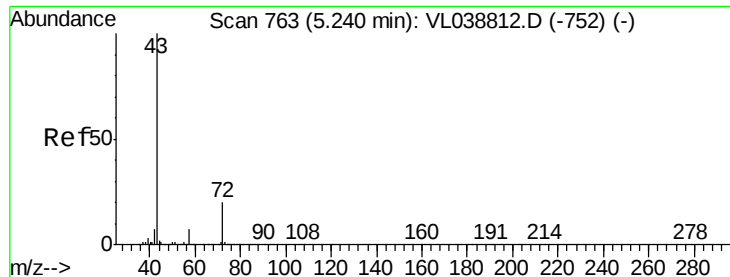
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T.: 0.03 min
Lab File: VL038847.D
Acq: 7 Apr 2022 18:53

Tgt Ion:114 Resp: 3071728
Ion Ratio Lower Upper
114 100
63 26.9 19.8 29.8
88 18.9 14.2 21.4



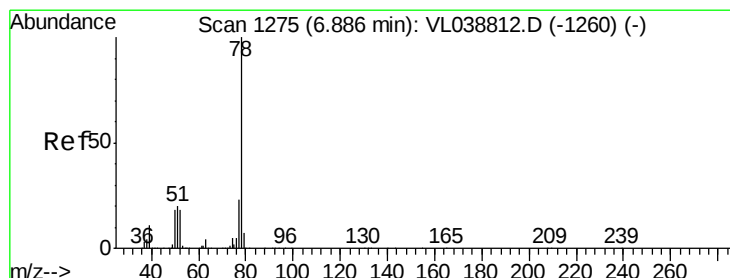
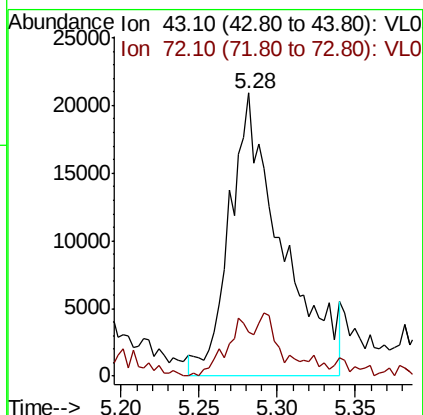
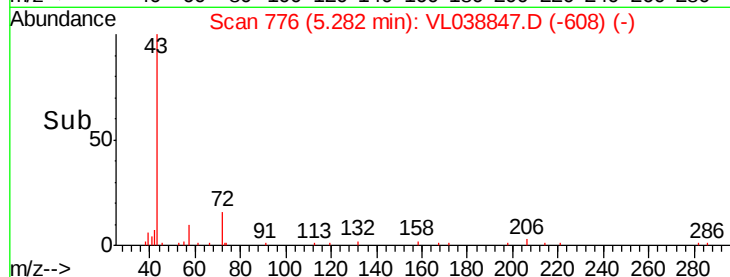
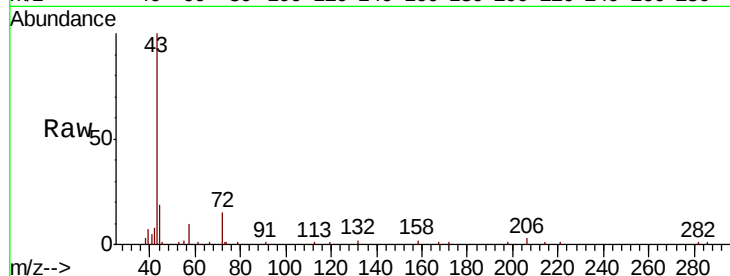


#34
2-Butanone
Concen: 0.402 ppbv m
RT: 5.28
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Apr 2022 18:55

Tot Ion:
Ion Ratio
43 100
72 0.

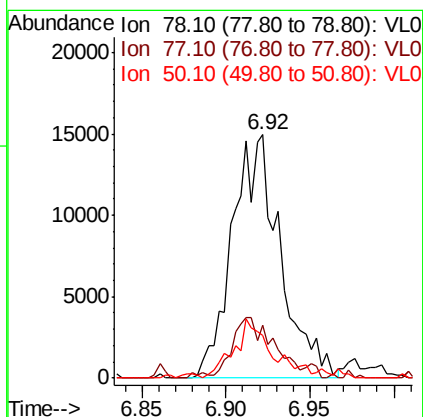
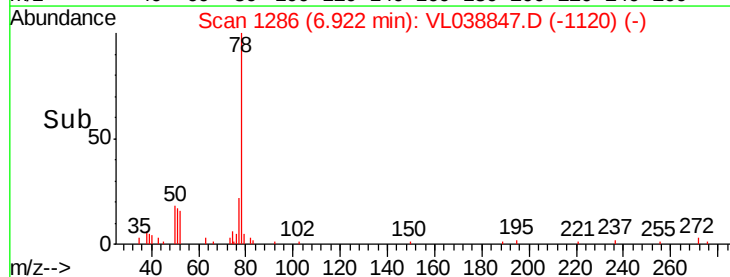
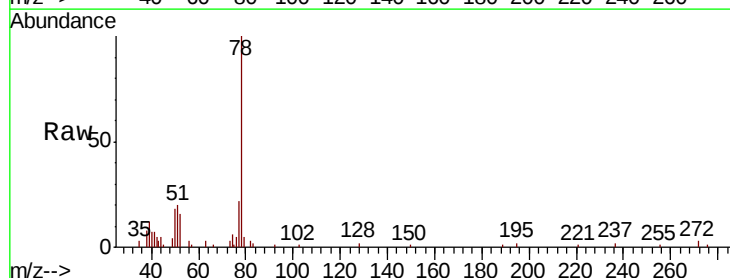
Manual Integrations
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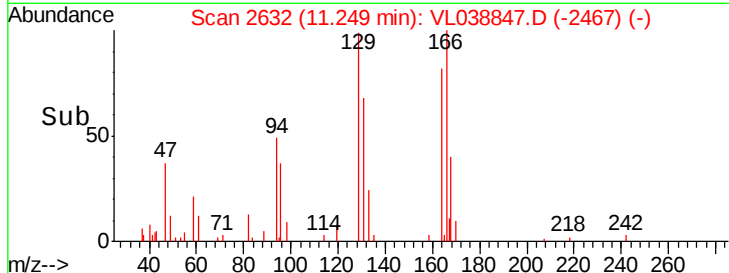
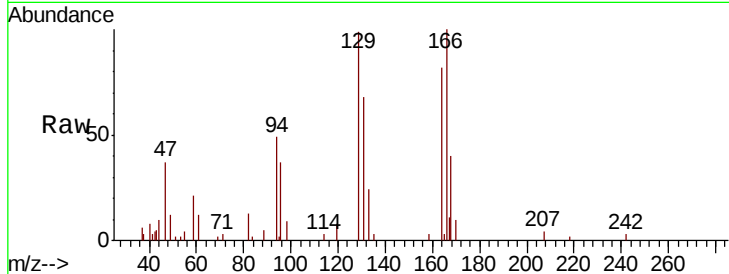
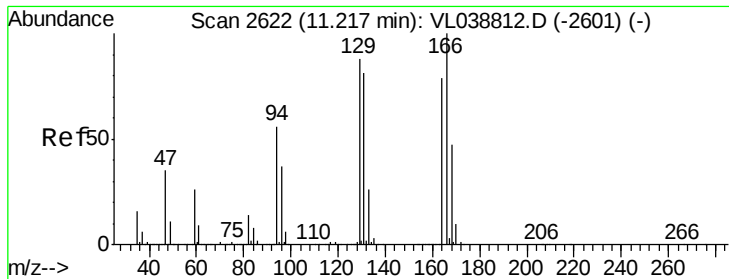
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#36
Benzene
Concen: 0.106 ppbv m
RT: 6.92 min Scan# 1286
Delta R.T. 0.04 min
Lab File: VL038847.D
Acq: 7 Apr 2022 18:53

Tgt Ion: 78 Resp: 29675
Ion Ratio Lower Upper
78 100
77 21.6 18.2 27.2
50 17.6 14.0 21.0



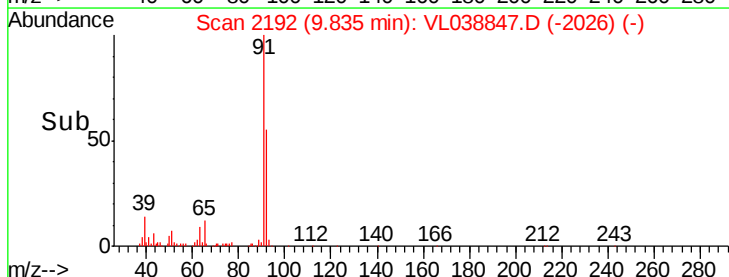
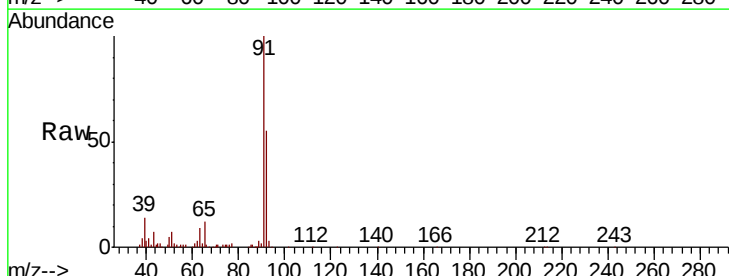
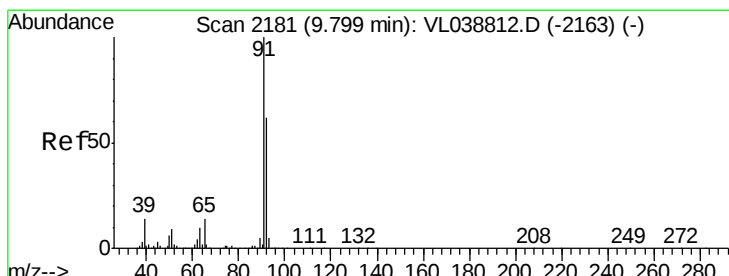
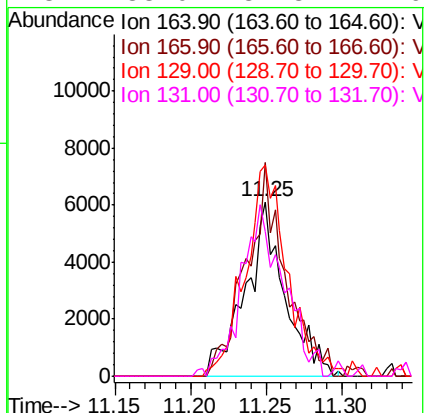


#52
Tetrachloroethene
Concen: 0.113 ppbv m
RT: 11.25
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Apr 2022 18:55

Tot Ion:1
Ion Rati
164 100
166 122.
129 121.
131 83.0 81.8 122.6

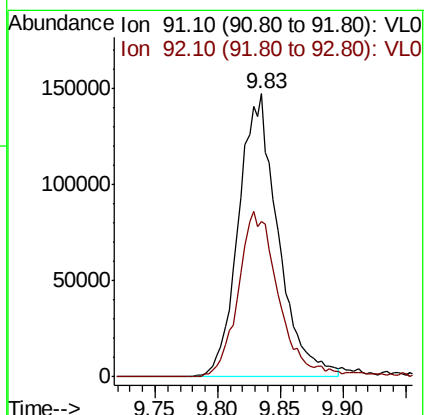
Manual Integrations
APPROVED

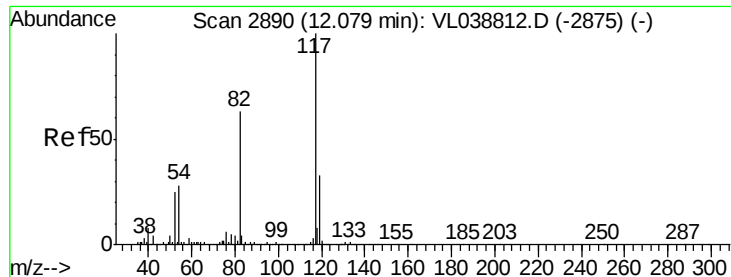
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#53
Toluene
Concen: 0.997 ppbv
RT: 9.83 min Scan# 2192
Delta R.T. 0.04 min
Lab File: VL038847.D
Acq: 7 Apr 2022 18:53

Tgt Ion: 91 Resp: 321486
Ion Ratio Lower Upper
91 100
92 60.6 49.2 73.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11

Delta R.T. MSVOA_L

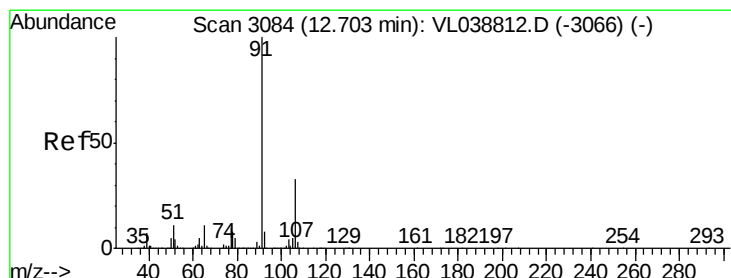
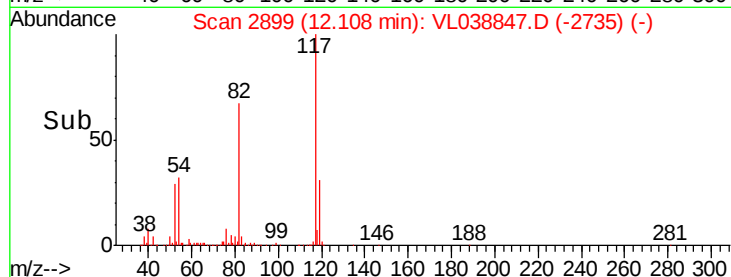
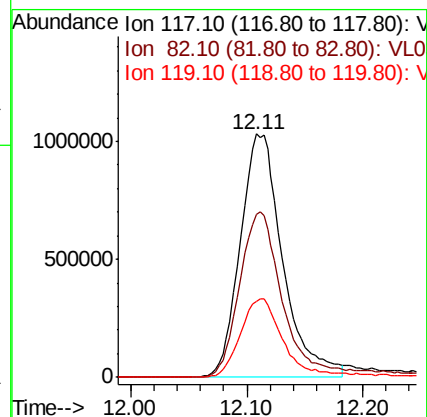
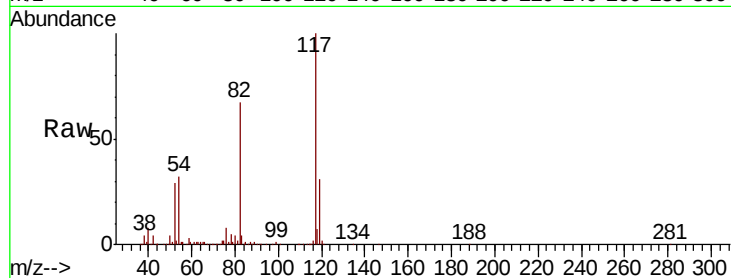
Lab File: ClientSampleId :

Acq: 7 Apr 2022 18:55

Tot Ion:1
Ion Rati
117 100
82 72.
119 35.

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#58

Ethyl Benzene

Concen: 0.196 ppbv m

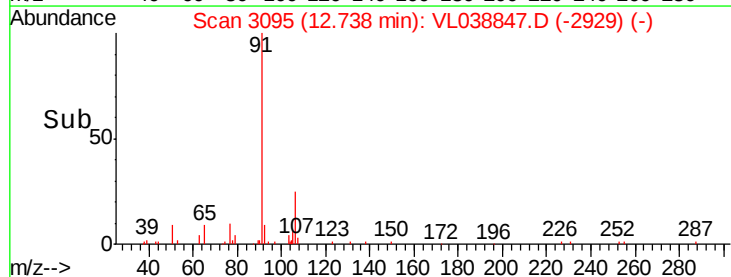
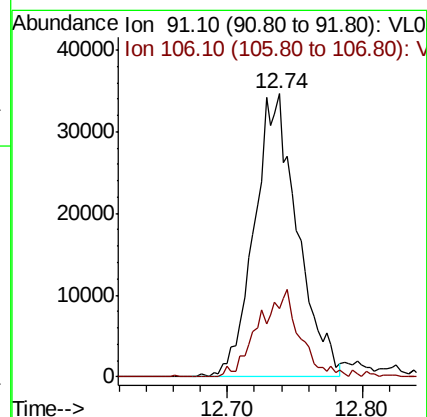
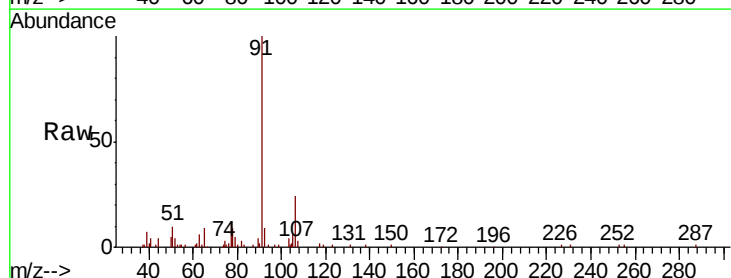
RT: 12.74 min Scan# 3095

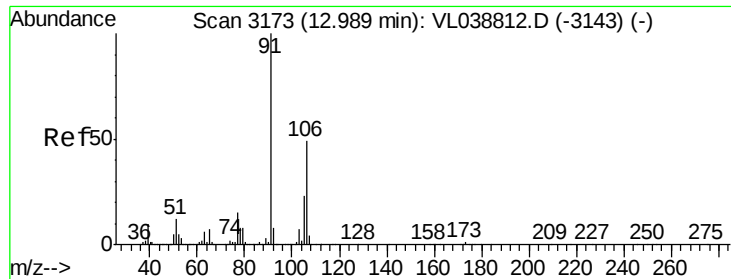
Delta R.T. 0.04 min

Lab File: VL038847.D

Acq: 7 Apr 2022 18:53

Tgt Ion: 91 Resp: 76999
Ion Ratio Lower Upper
91 100
106 24.3 26.7 40.1#



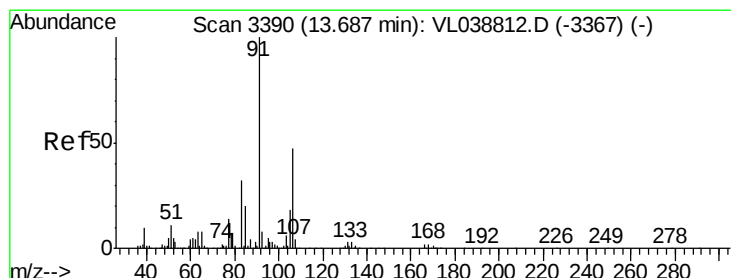
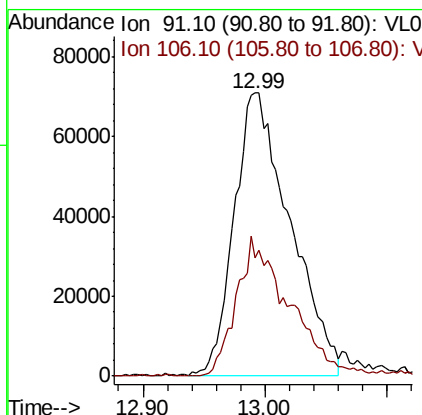
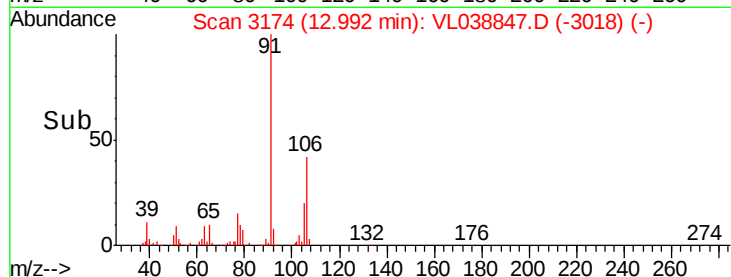
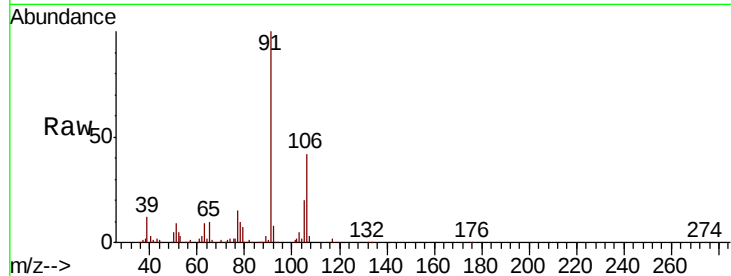


#59
m/p-Xylene
Concen: 0.681 ppbv
RT: 12.99 min
Delta R.T.: 0.04 min
Lab File: VL038812.D
Acq: 7 Apr 2022 18:55

Manual Integrations
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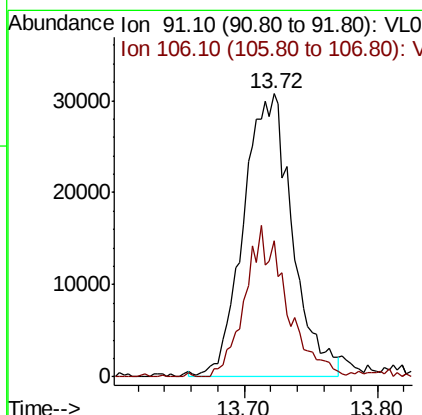
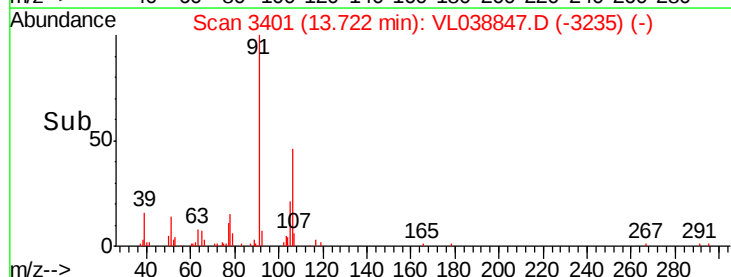
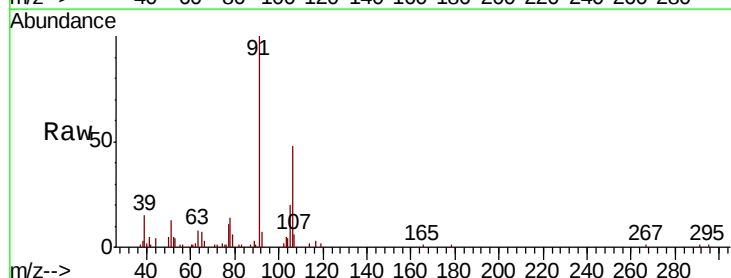
Tot Ion:
Ion Ratio
91 100
106 47.

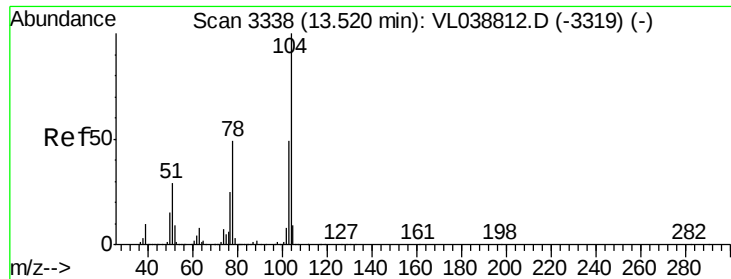
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#60
o-Xylene
Concen: 0.255 ppbv m
RT: 13.72 min Scan# 3401
Delta R.T.: 0.04 min
Lab File: VL038847.D
Acq: 7 Apr 2022 18:53

Tgt Ion: 91 Resp: 78439
Ion Ratio Lower Upper
91 100
106 0.0 23.8 71.4#



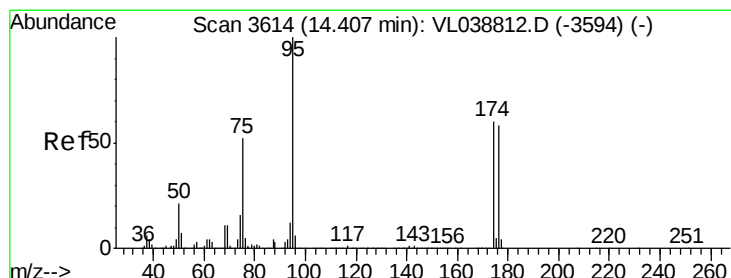
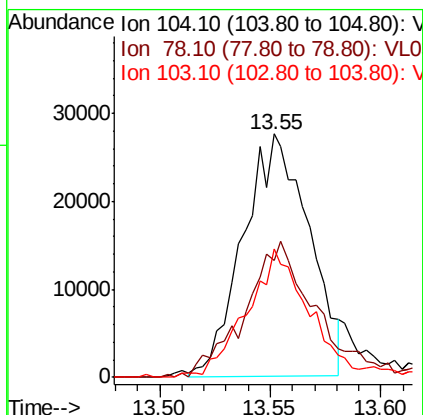
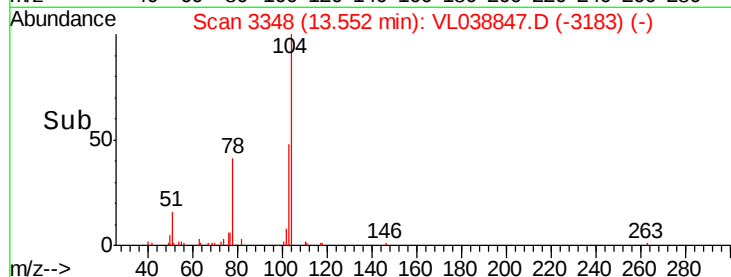
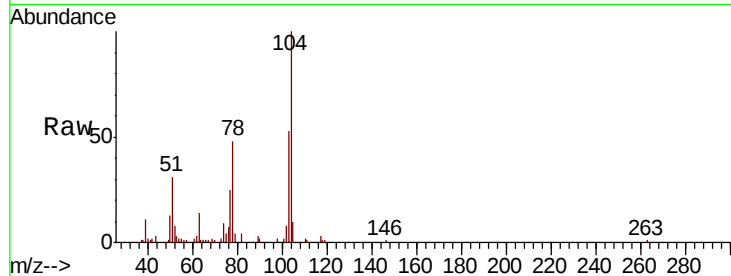


#61
Stvrene
Concen: 0.304 ppbv
RT: 13.55
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 18:55

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

Tot Ion:1
Ion Rati
104 100
78 60.
103 51.



#68
1-Bromo-4-Fluorobenzene
Concen: 10.742 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. 0.04 min
Lab File: VL038847.D
Acq: 7 Apr 2022 18:53

Tgt Ion: 95 Resp: 2137614
Ion Ratio Lower Upper
95 100
174 62.6 52.0 78.0
175 4.4 4.0 6.0

