

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101221\
 Data File : VL037843.D
 Acq On : 12 Oct 2021 23:49
 Operator : SY/AP
 Sample : M4079-16DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P05DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/14/2021
 Supervised By :Mahesh Dadoda 10/15/2021

Quant Time: Oct 14 02:22:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1267902	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3761196	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3227461	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2201340	9.75	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	25125m	0.280	ppbv	
13) Ethanol	3.61	45	58586	7.992	ppbv	99
15) Acetone	3.84	43	739768	6.499	ppbv	98
17) tert-Butyl alcohol	4.31	59	18477m	0.158	ppbv	
19) Isopropyl Alcohol	3.98	45	37865	0.535	ppbv #	96
20) Methylene Chloride	4.34	84	76718	1.334	ppbv	88
26) Hexane	5.68	57	51787m	0.329	ppbv	
29) Chloroform	5.74	83	22551m	0.100	ppbv	
34) 2-Butanone	5.25	43	143876	0.948	ppbv	93
52) Tetrachloroethene	11.22	164	367896	2.943	ppbv	96
53) Toluene	9.80	91	155446	0.437	ppbv	100

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

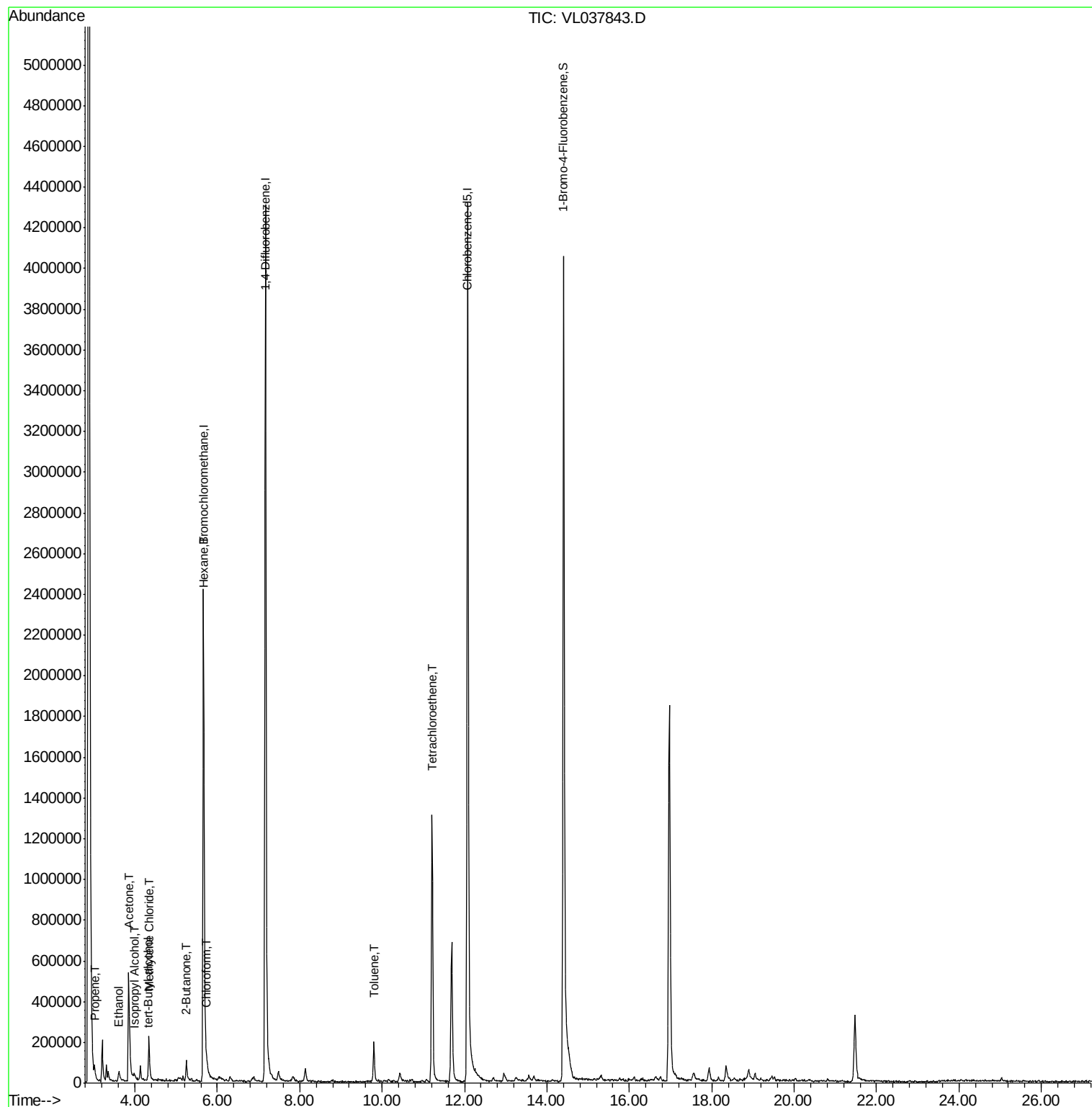
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101221\
Data File : VL037843.D
Acq On : 12 Oct 2021 23:49
Operator : SY/AP
Sample : M4079-16DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

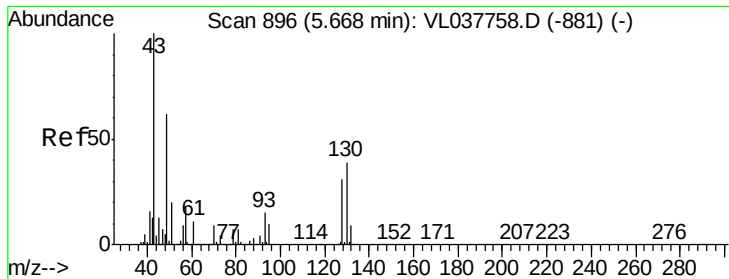
Instrument :
MSVOA_L
ClientSampleId :
C0P05DL

Manual Integrations
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Quant Time: Oct 14 02:22:17 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL100421
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Oct 2021 23:49

Tot Ion:

Ion Ratio

49 100

128 54.

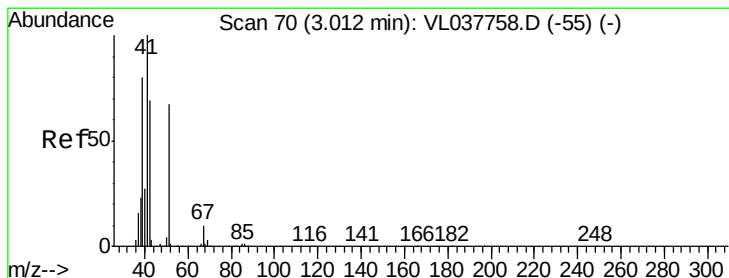
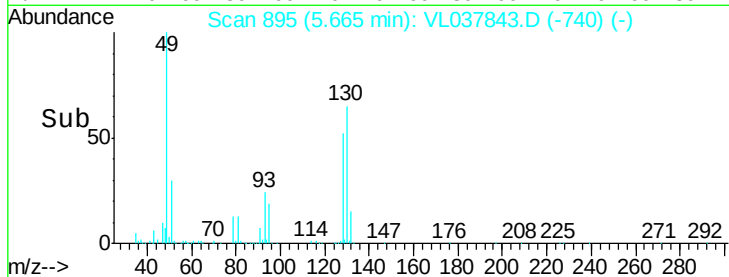
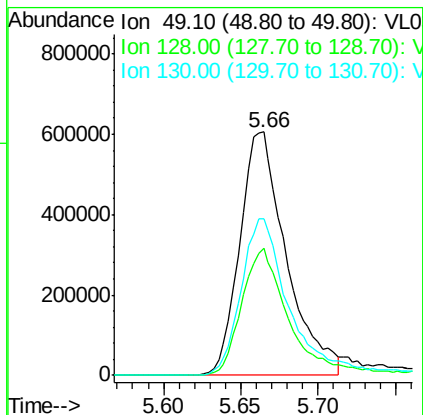
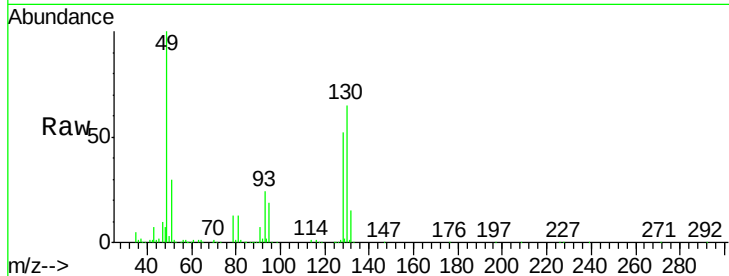
130 70.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#9

Propene

Concen: 0.280 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL037843.D

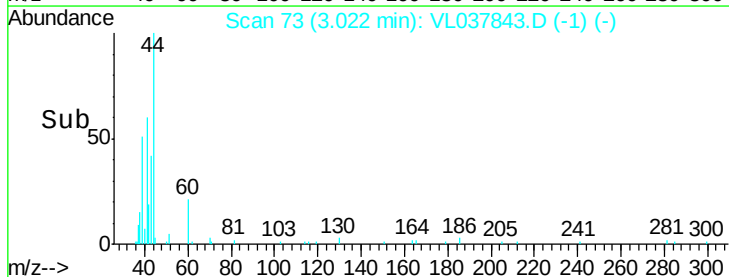
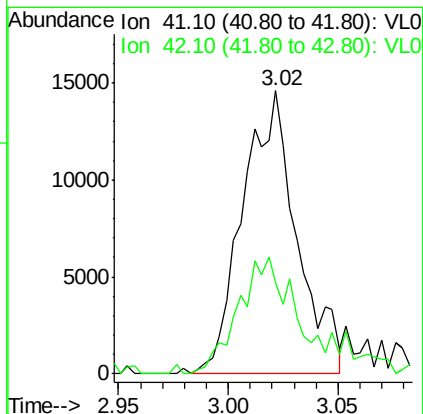
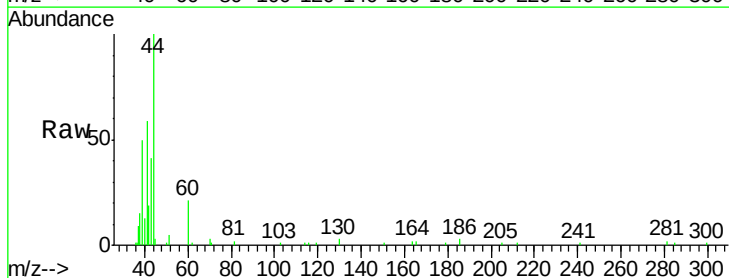
Acq: 12 Oct 2021 23:49

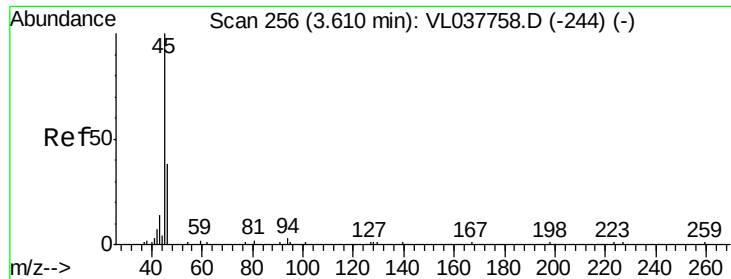
Tgt Ion: 41 Resp: 25125

Ion Ratio Lower Upper

41 100

42 53.5 54.2 81.2#



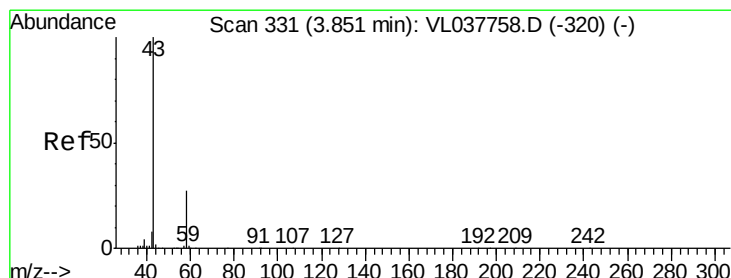
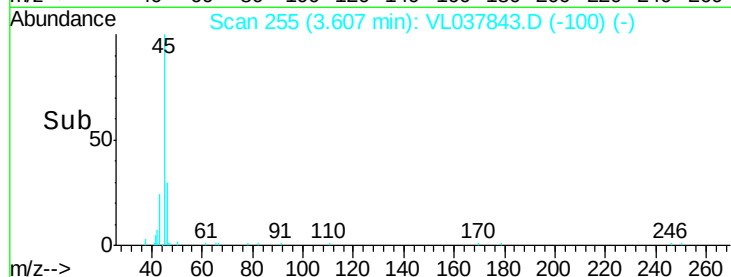
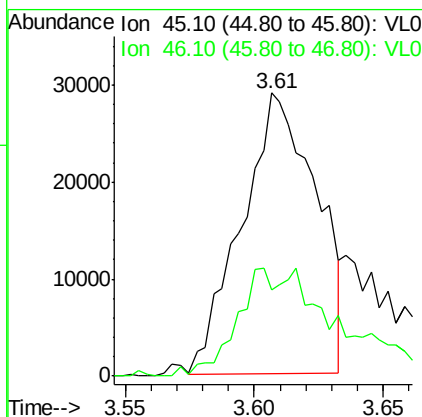
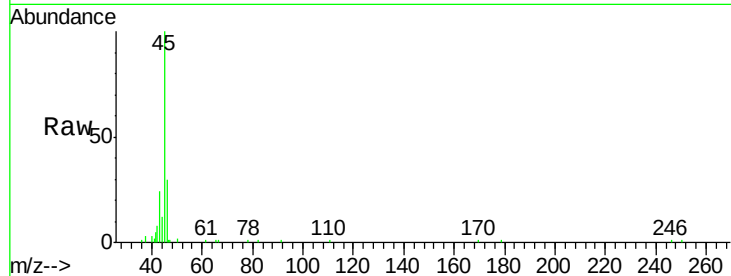


#13
Ethanol
Concen: 7.992 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 23:49

Tot Ion:
Ion Ratio
45 100
46 51.

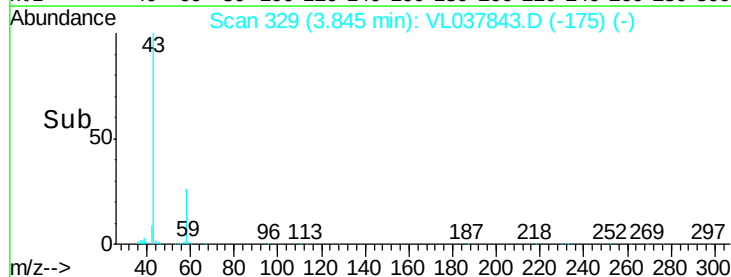
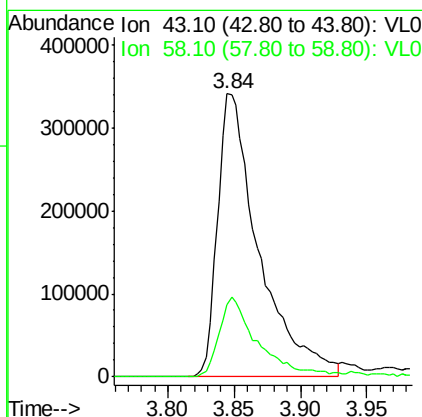
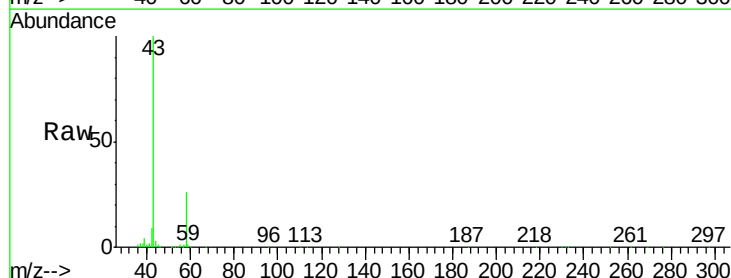
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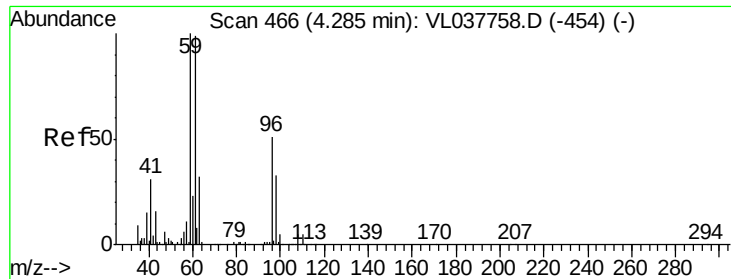
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#15
Acetone
Concen: 6.499 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037843.D
Acq: 12 Oct 2021 23:49

Tgt Ion: 43 Resp: 739768
Ion Ratio Lower Upper
43 100
58 27.7 23.0 34.6





#17

tert-Butyl alcohol

Concen: 0.158 ppbv m

RT: 4.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Oct 2021 23:49 C0P05DL

Tot Ion:

Ion Ratio

59 100

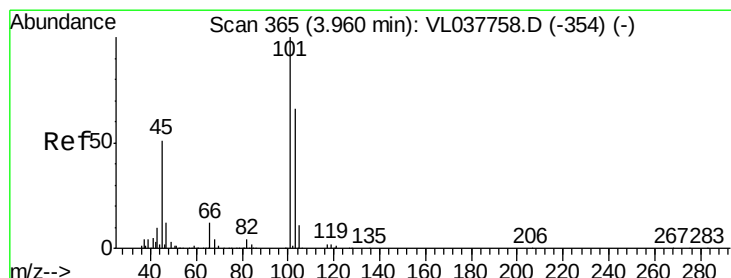
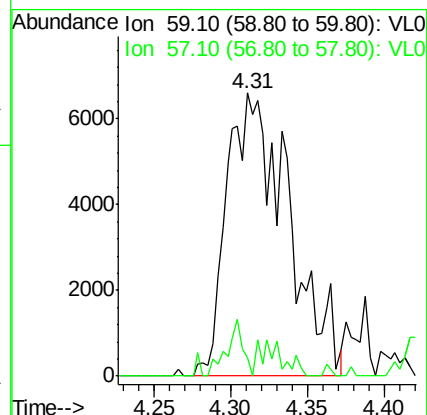
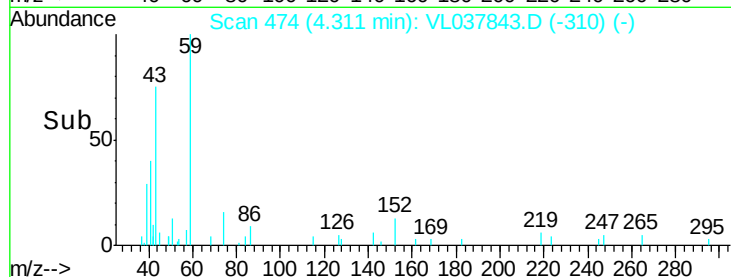
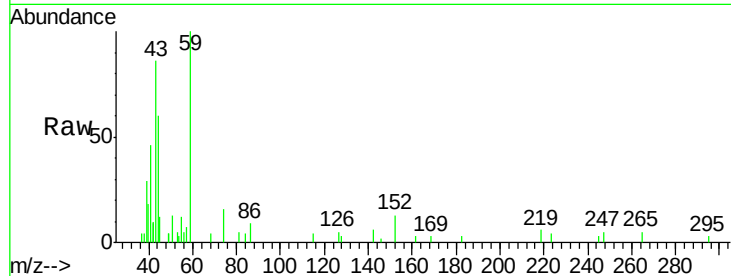
57 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021



#19

Isopropyl Alcohol

Concen: 0.535 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL037843.D

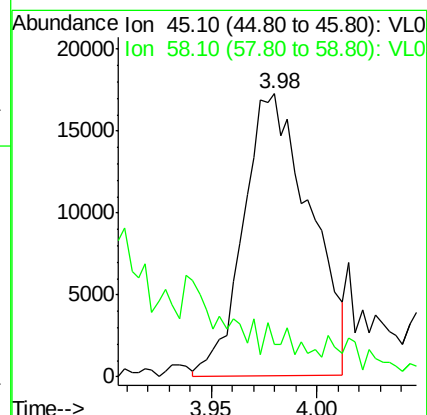
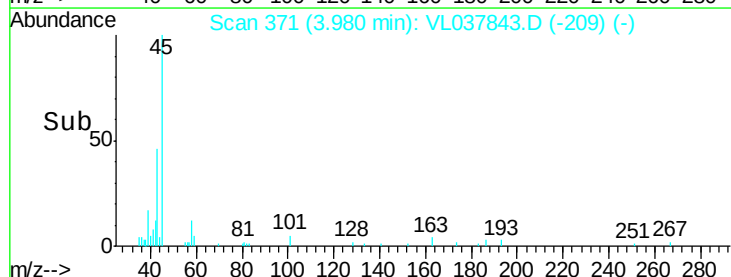
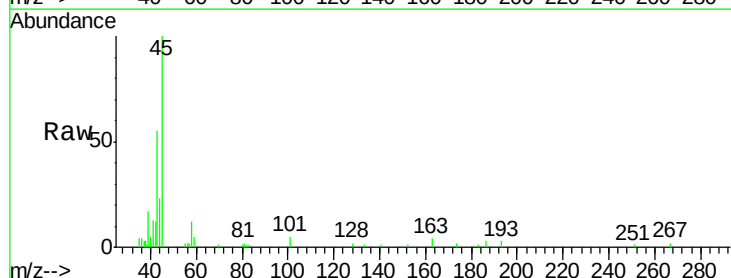
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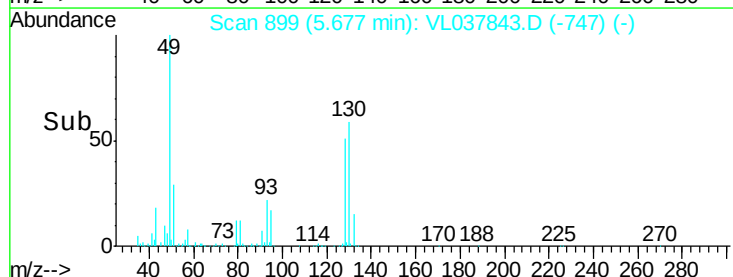
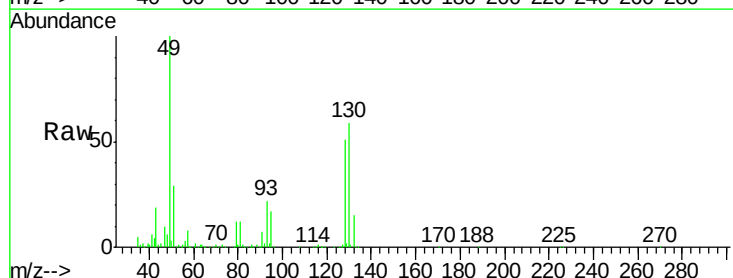
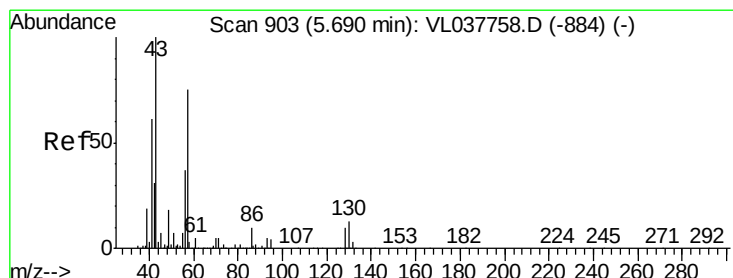
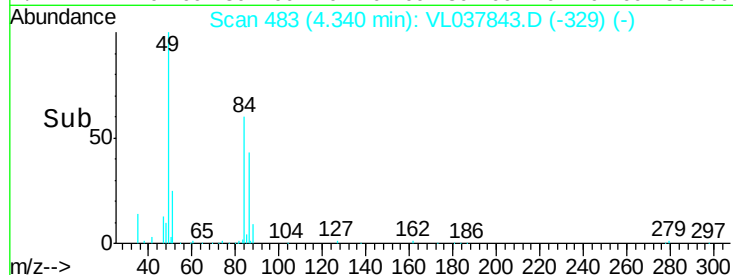
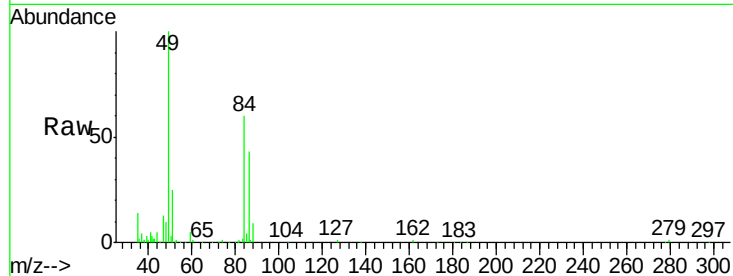
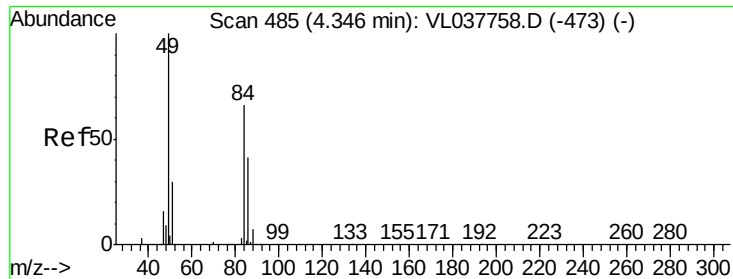
Tgt Ion: 45 Resp: 37865

Ion Ratio Lower Upper

45 100

58 0.0 1.1 1.7#



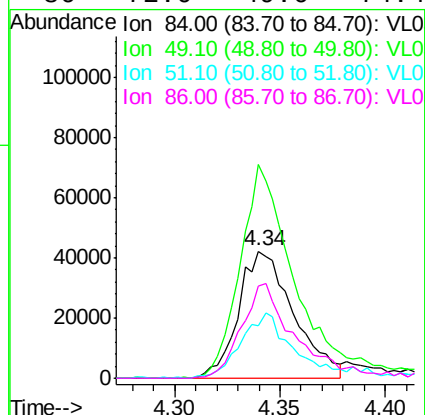


#20
Methvlene Chloride
Concen: 1.334 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 23:49 C0P05DL

Tot Ion:
Ion Ratio
84 100
49 167.
51 41.
86 72.0 49.6 74.4

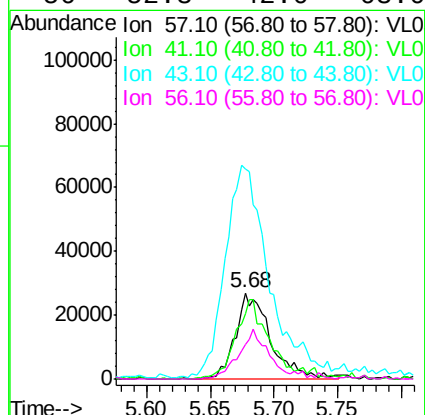
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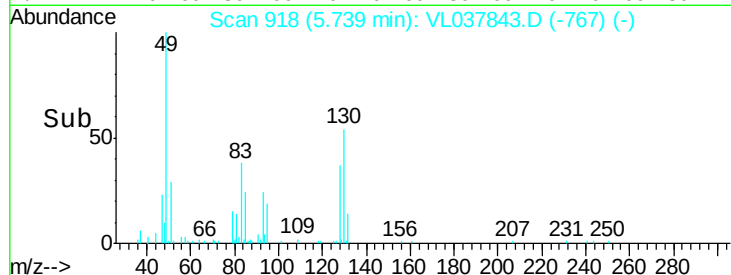
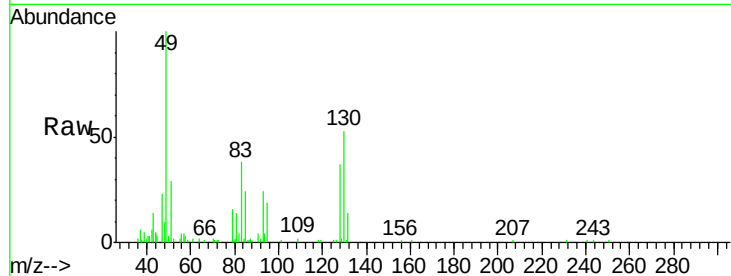
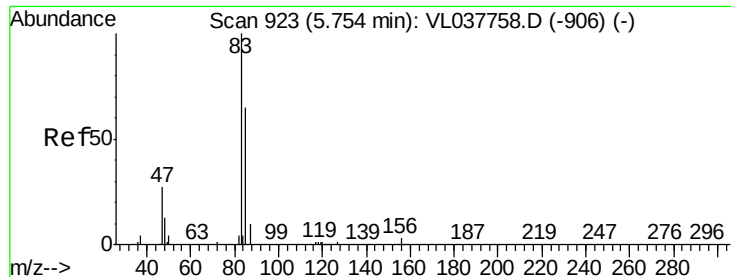
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#26
Hexane
Concen: 0.329 ppbv m
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL037843.D
Acq: 12 Oct 2021 23:49

Tgt Ion: 57 Resp: 51787
Ion Ratio Lower Upper
57 100
41 95.6 69.6 104.4
43 0.0 171.4 257.0#
56 52.3 42.0 63.0



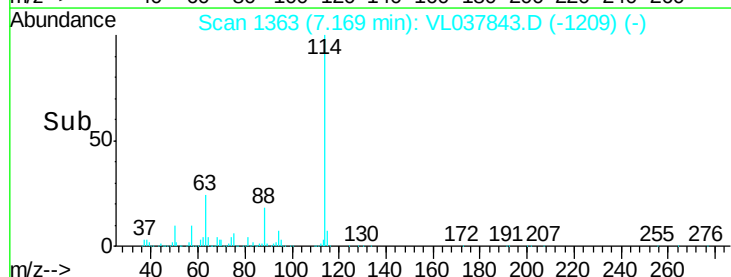
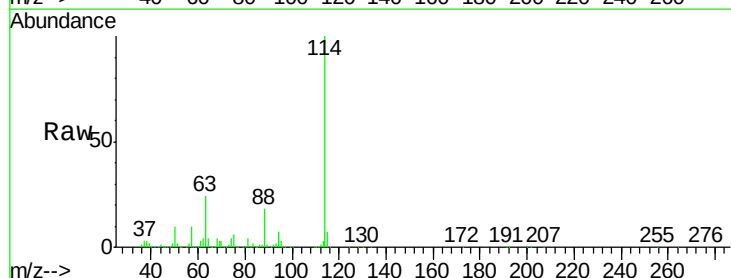
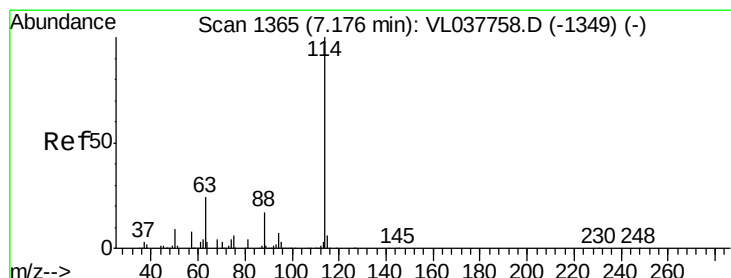
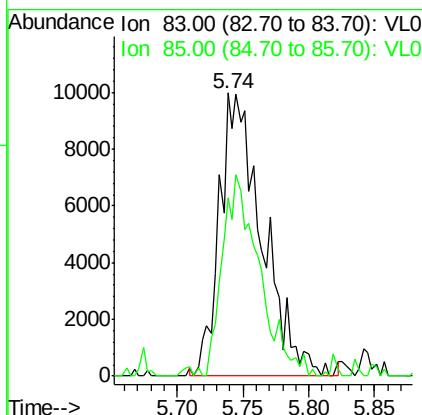


#29
Chloroform
Concen: 0.100 ppbv m
RT: 5.74
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 12 Oct 2021 23:49

Tot Ion:
Ion Ratio
83 100
85 63.

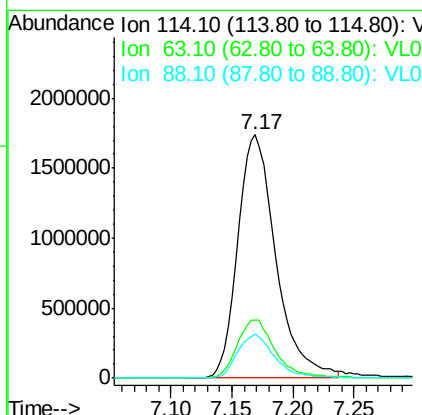
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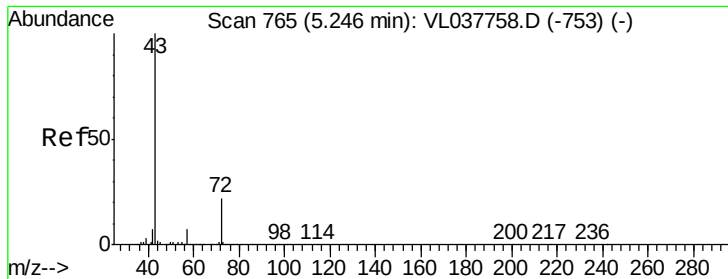
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL037843.D
Acq: 12 Oct 2021 23:49

Tgt Ion:114 Resp: 3761196
Ion Ratio Lower Upper
114 100
63 24.1 19.4 29.2
88 18.1 14.4 21.6



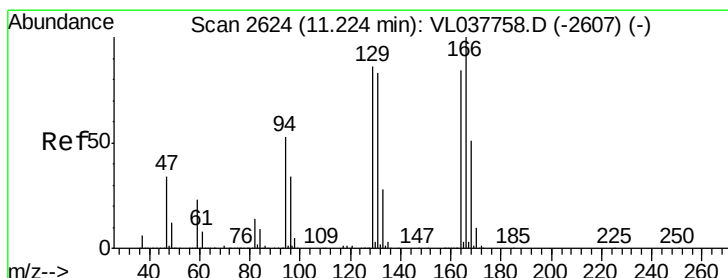
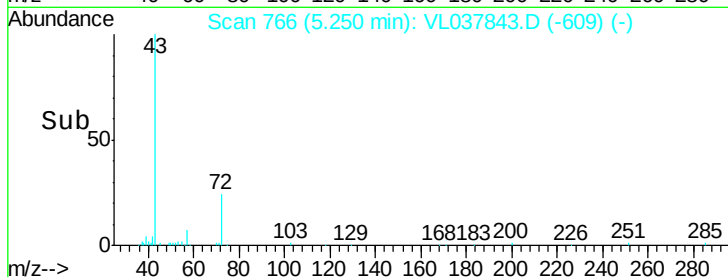
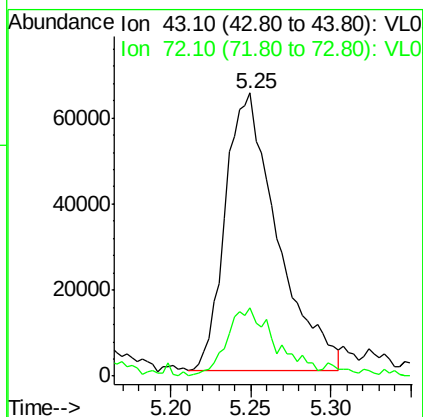
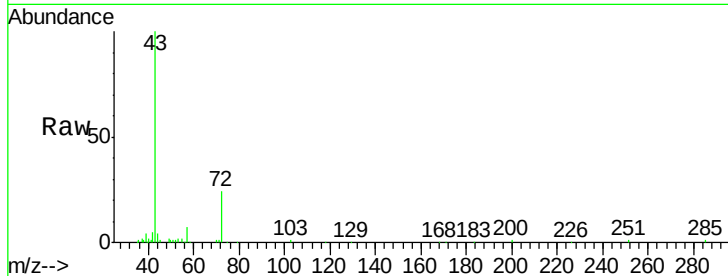


#34
2-Butanone
Concen: 0.948 ppbv
RT: 5.25
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 23:49

Tot Ion:
Ion Ratio
43 100
72 26.

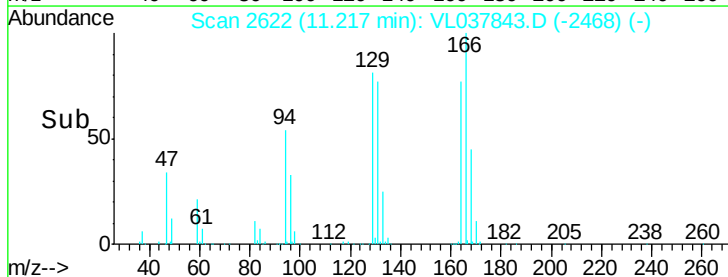
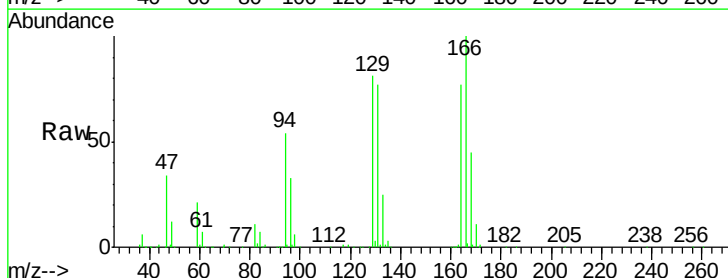
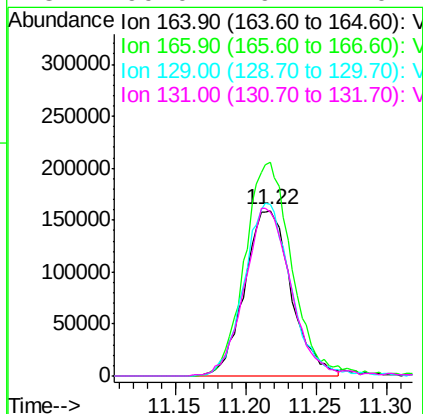
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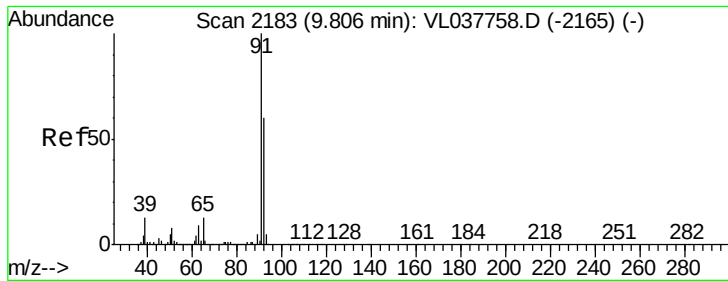
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#52
Tetrachloroethene
Concen: 2.943 ppbv
RT: 11.22 min Scan# 2622
Delta R.T.: -0.01 min
Lab File: VL037843.D
Acq: 12 Oct 2021 23:49

Tgt Ion:164 Resp: 367896
Ion Ratio Lower Upper
164 100
166 129.3 95.4 143.2
129 103.9 82.2 123.4
131 99.0 79.4 119.2



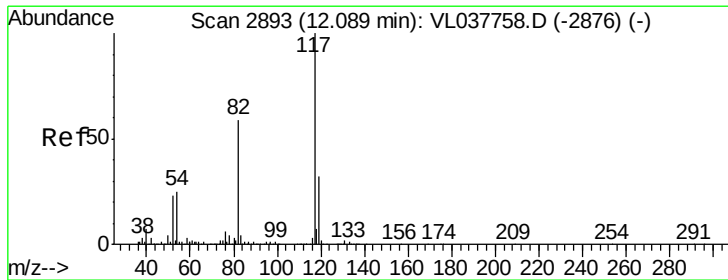
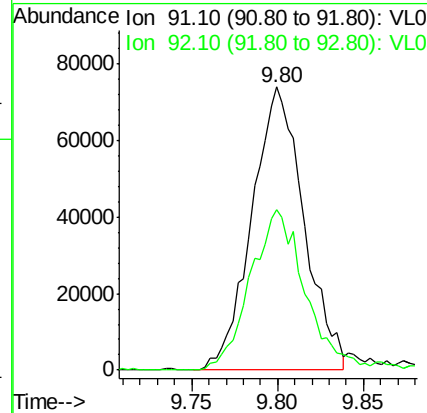
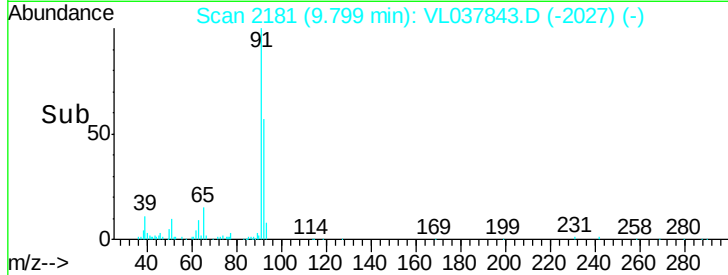
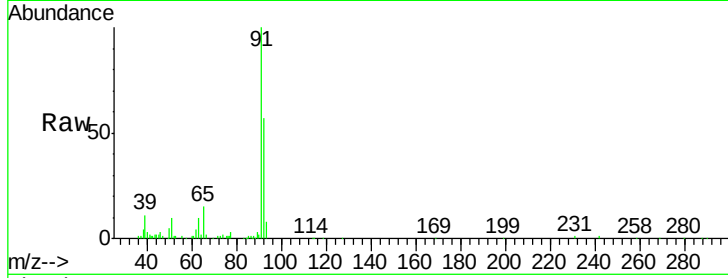


#53
Toluene
Concen: 0.437 ppbv
RT: 9.80
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 23:49

Tot Ion:
Ion Ratio
91 100
92 60.

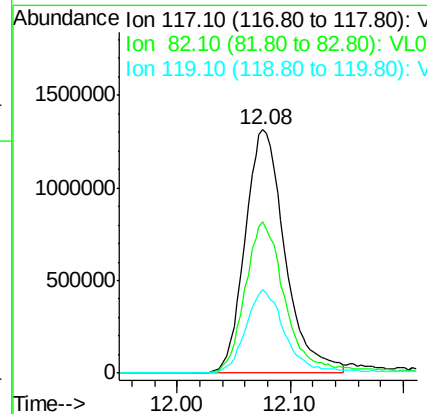
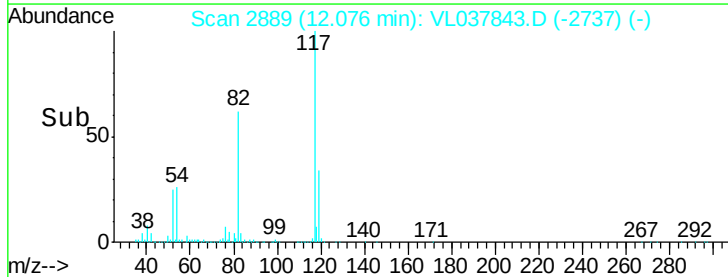
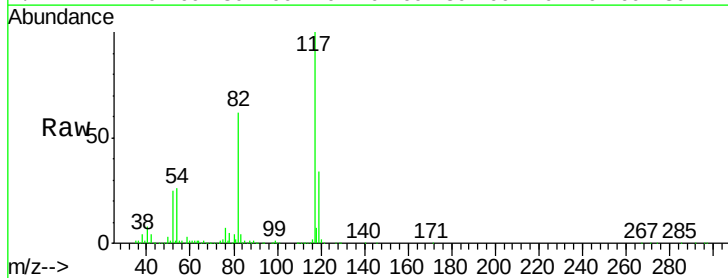
Manual Integrations
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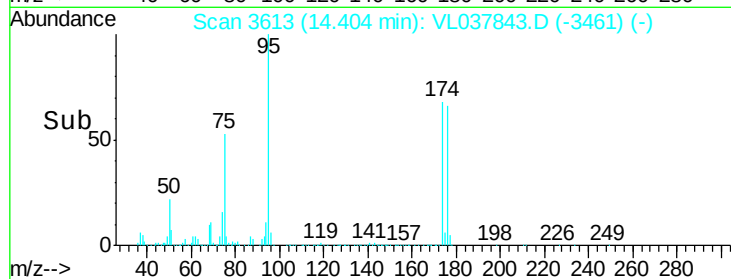
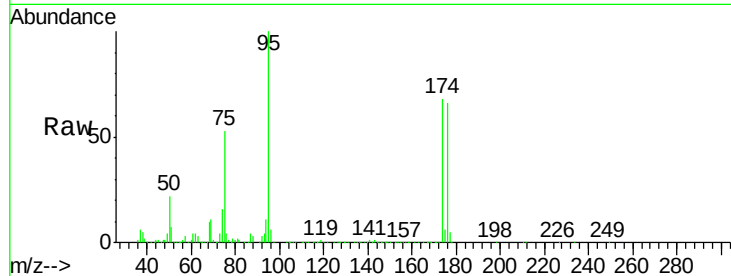
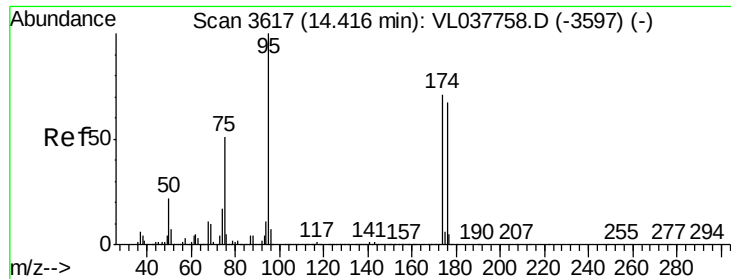
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T.: -0.01 min
Lab File: VL037843.D
Acq: 12 Oct 2021 23:49

Tgt Ion:117 Resp: 3227461
Ion Ratio Lower Upper
117 100
82 63.4 52.2 78.2
119 35.0 26.0 39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.753 ppbv

RT: 14.40

Delta R.T

Lab File: ClientSampleId :

Acq: 12 Oct 2021 23:49

Tot Ion:

Ion Ratio

95 100

174 77.

175 5.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/14/2021

Supervised By :Mahesh Dadoda 10/15/2021

