

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101221\
 Data File : VL037841.D
 Acq On : 12 Oct 2021 22:30
 Operator : SY/AP
 Sample : M4079-09DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 COP14DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 14 02:15:57 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	1331794	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3817054	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3226108	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2283080	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	26503	0.281	ppbv	90
13) Ethanol	3.61	45	52079m	6.763	ppbv	
15) Acetone	3.84	43	1115021	9.326	ppbv	93
17) tert-Butyl alcohol	4.31	59	23084m	0.187	ppbv	
20) Methylene Chloride	4.34	84	92581	1.533	ppbv	97
26) Hexane	5.68	57	61625	0.373	ppbv #	53
34) 2-Butanone	5.25	43	234850	1.524	ppbv	99
52) Tetrachloroethene	11.22	164	17873m	0.141	ppbv	

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

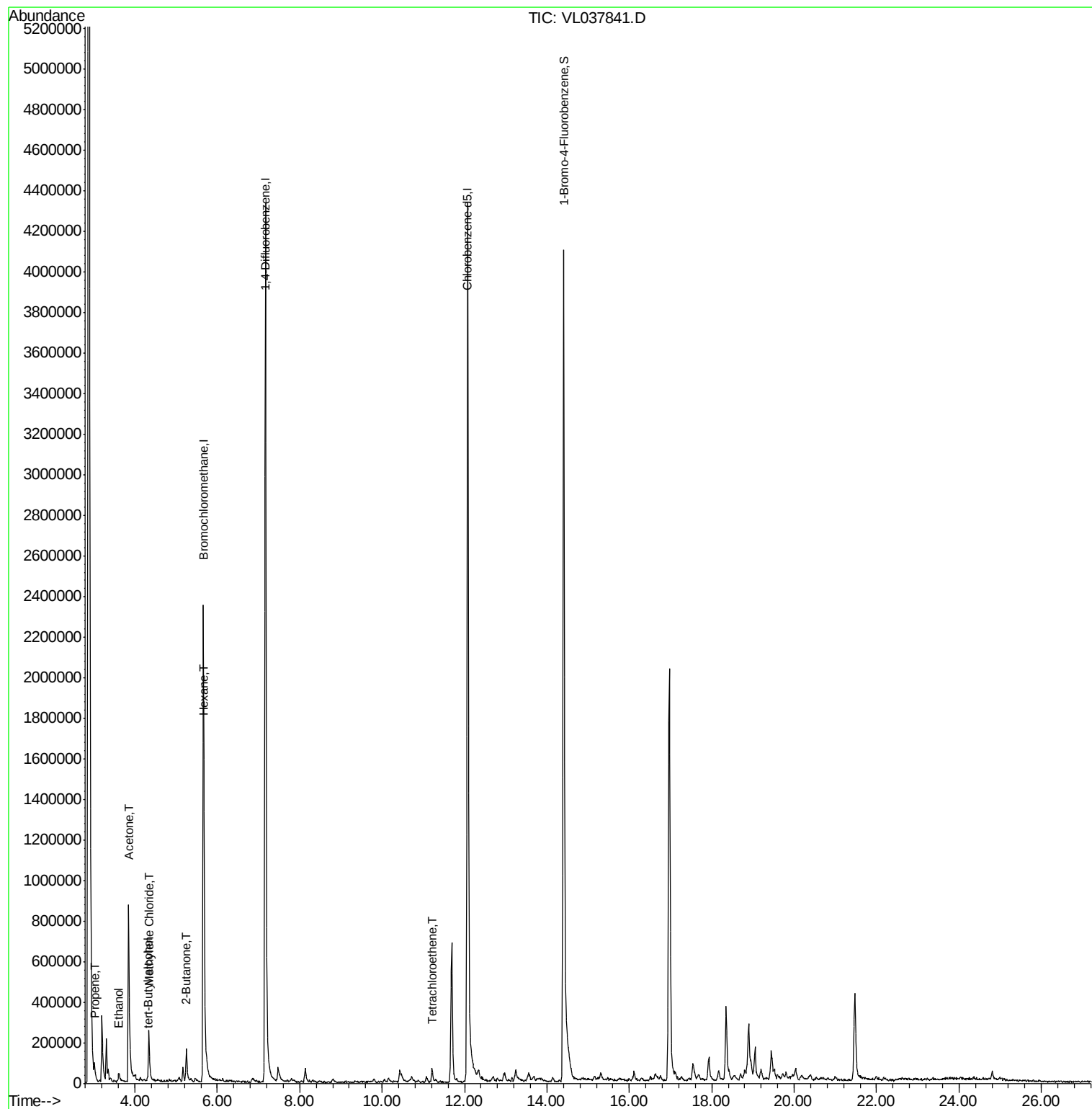
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Data File : VL037841.D
Acq On : 12 Oct 2021 22:30
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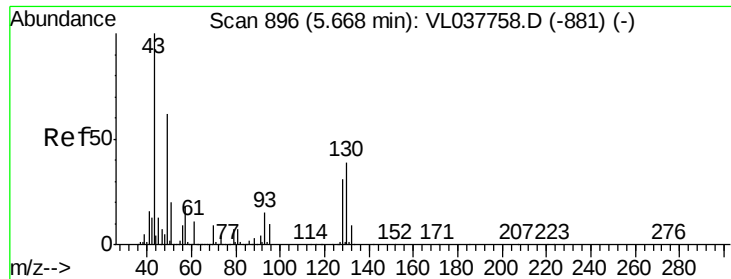
Instrument :
MSVOA_L
ClientSampleId :
C0P14DL

Quant Time: Oct 14 02:15:57 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL100421.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: COP14DL

Acq: 12 Oct 2021 22:30

Tot Ion:

Ion Ratio

49 100

128 52.

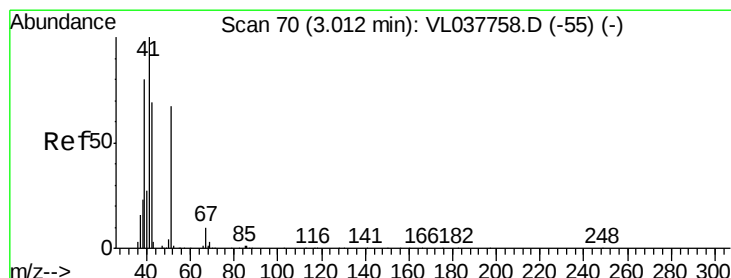
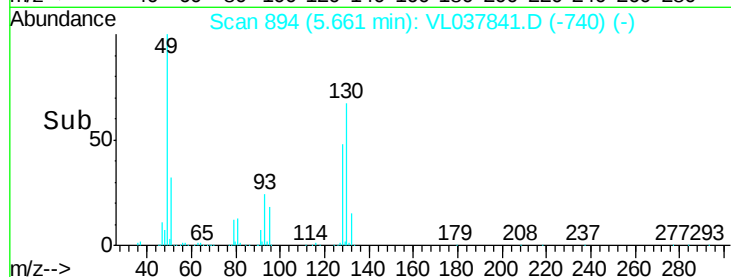
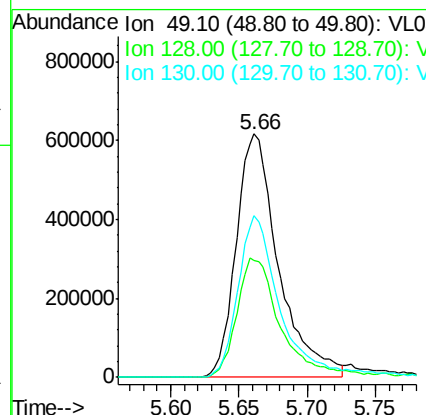
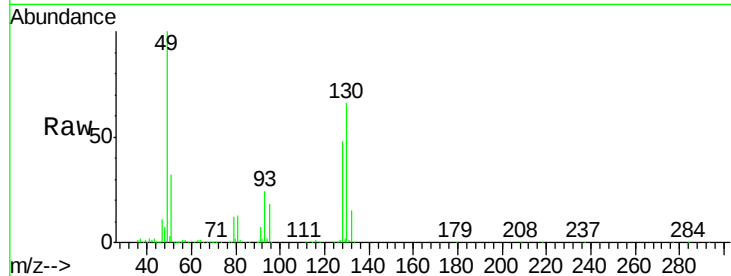
130 68.

Manual Integrations

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#9

Propene

Concen: 0.281 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037841.D

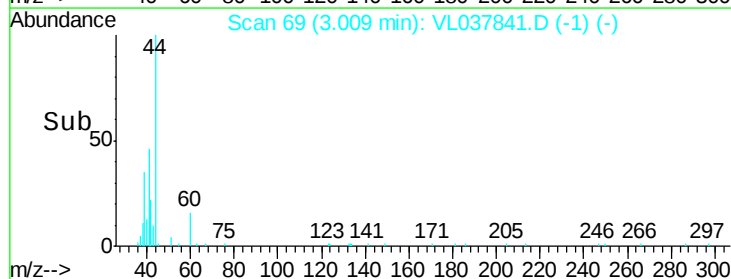
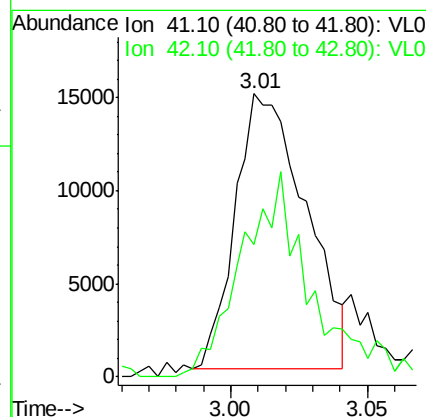
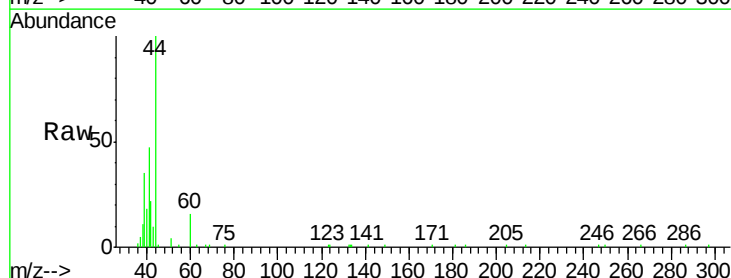
Acq: 12 Oct 2021 22:30

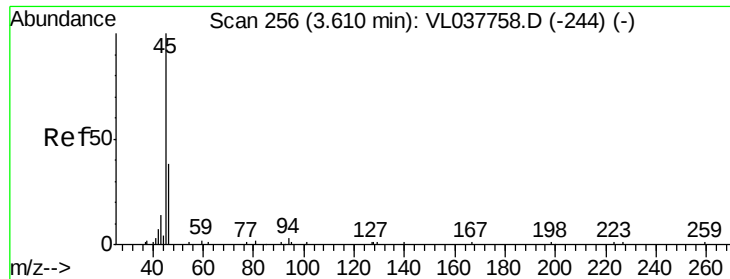
Tgt Ion: 41 Resp: 26503

Ion Ratio Lower Upper

41 100

42 75.6 54.2 81.2



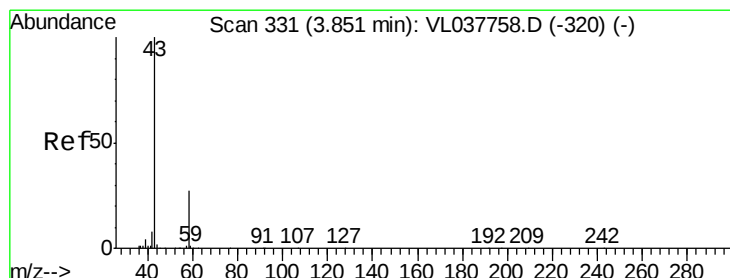
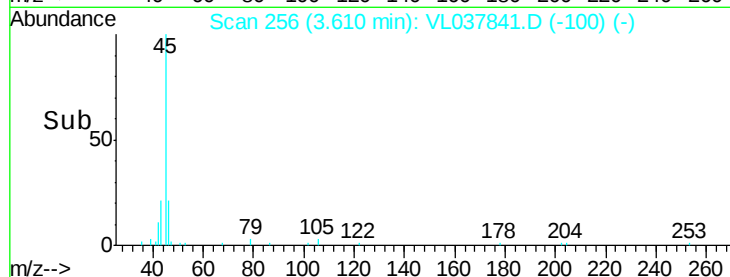
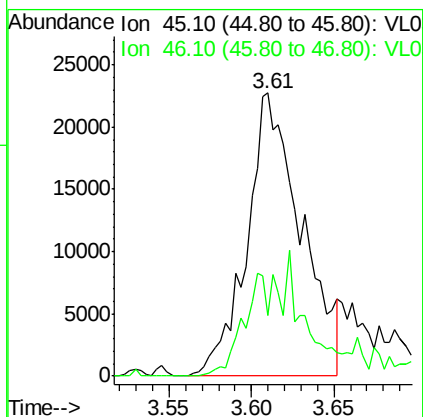
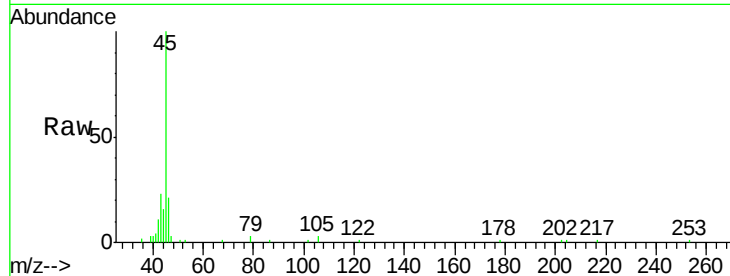


#13
Ethanol
Concen: 6.763 ppbv m
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 22:30

Tot Ion:
Ion Ratio
45 100
46 0.

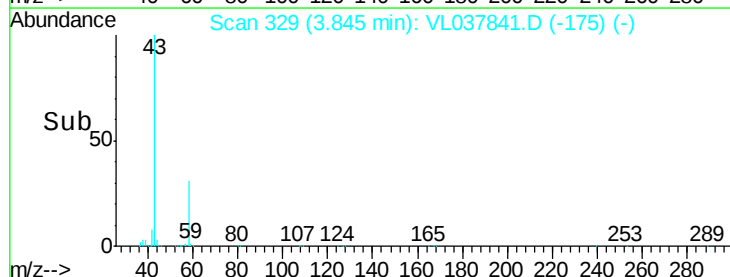
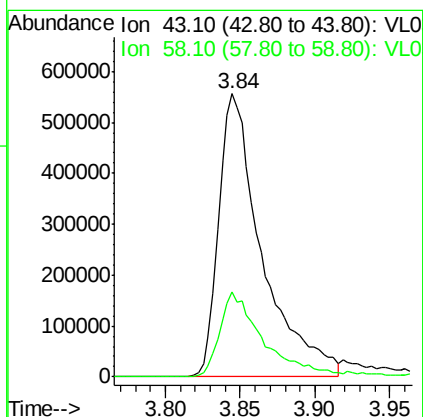
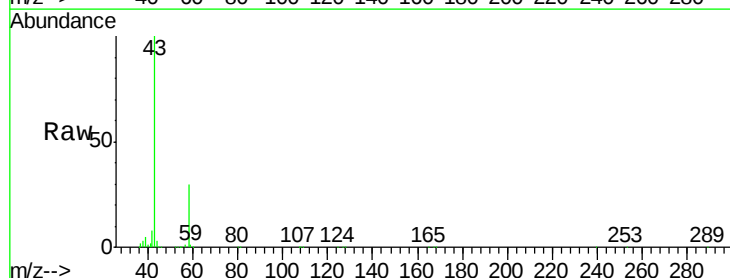
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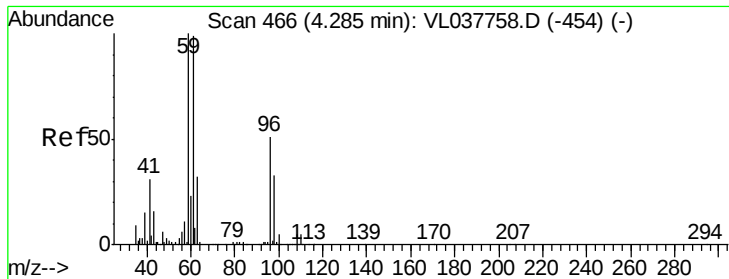
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#15
Acetone
Concen: 9.326 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037841.D
Acq: 12 Oct 2021 22:30

Tgt Ion: 43 Resp: 1115021
Ion Ratio Lower Upper
43 100
58 32.3 23.0 34.6





#17

tert-Butyl alcohol

Concen: 0.187 ppbv

RT: 4.31

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Oct 2021 22:30

Tot Ion:

Ion Ratio

59 100

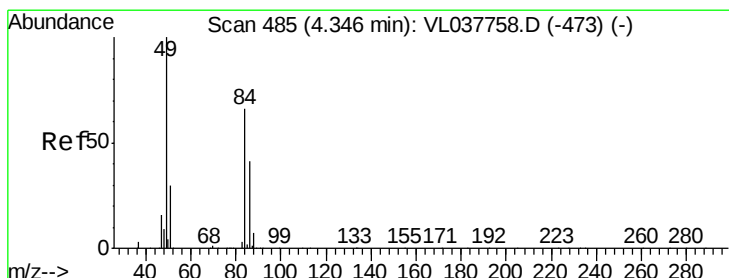
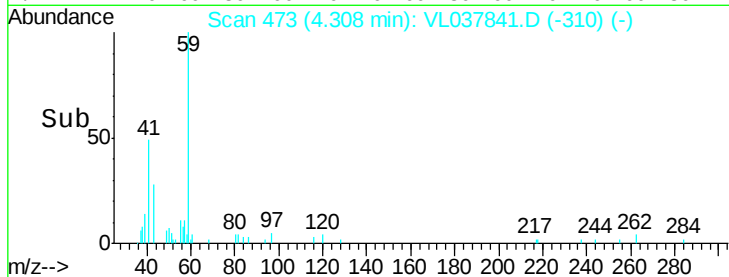
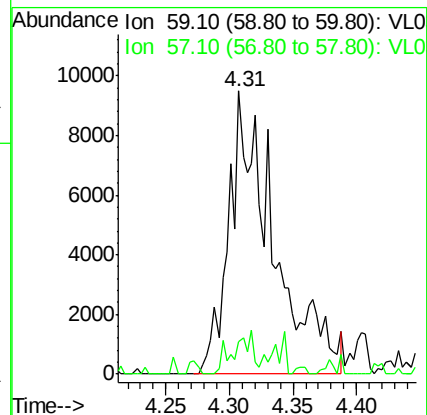
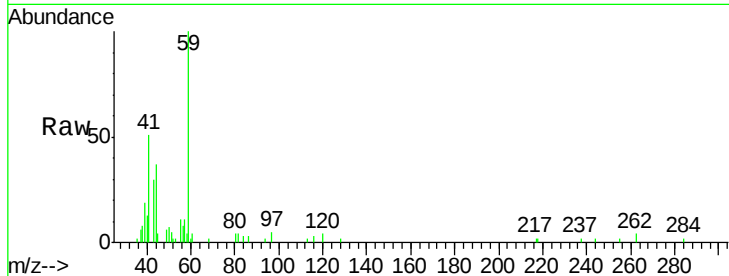
57 0.

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Supervised By :Mahesh Dadoda 10/15/2021



#20

Methylene Chloride

Concen: 1.533 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL037841.D

Acq: 12 Oct 2021 22:30

Tgt Ion: 84 Resp: 92581

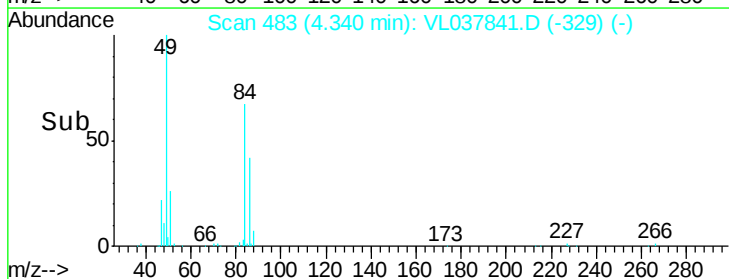
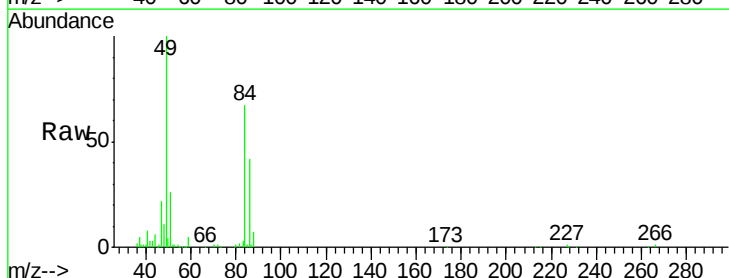
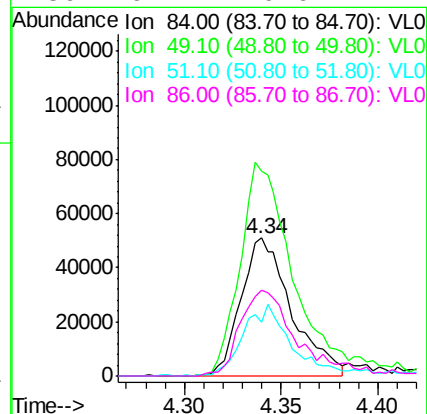
Ion Ratio Lower Upper

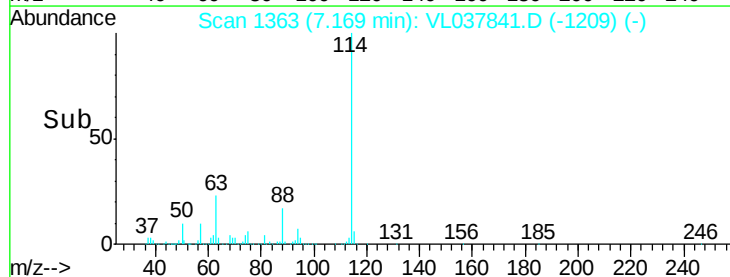
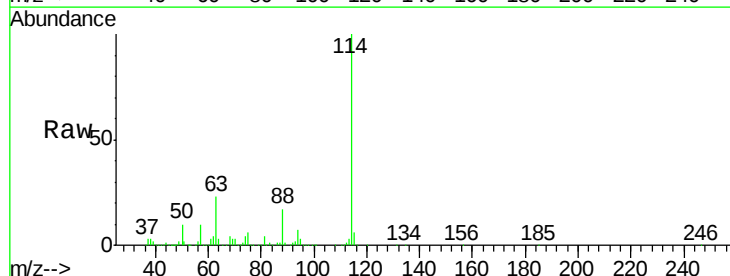
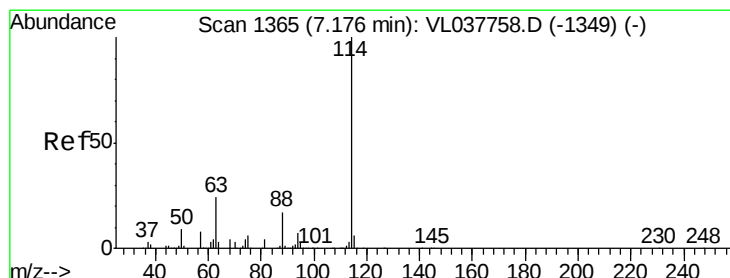
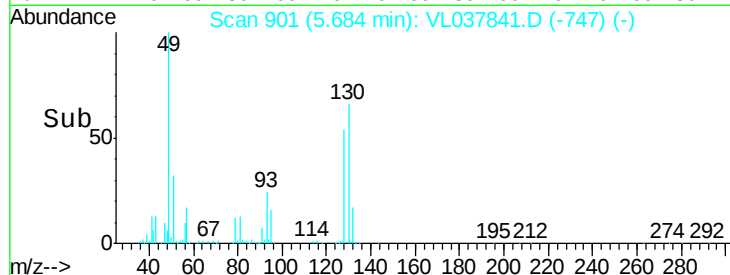
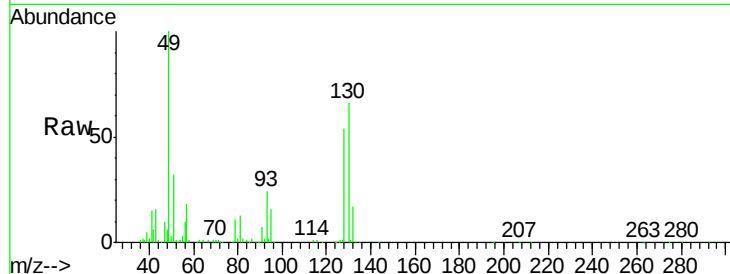
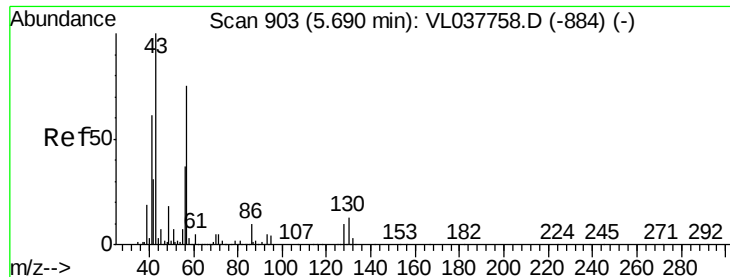
84 100

49 148.7 120.7 181.1

51 38.4 36.2 54.4

86 62.2 49.6 74.4



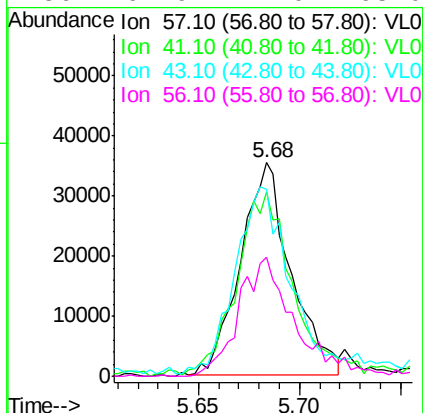


#26
Hexane
Concen: 0.373 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP14DL
Acq: 12 Oct 2021 22:30

Tot Ion:
Ion Ratio
57 100
41 99.
43 105.
56 61.9 42.0 63.0

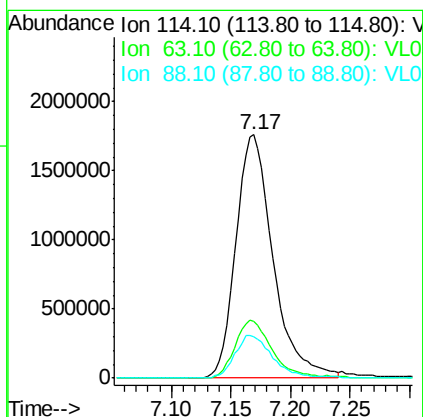
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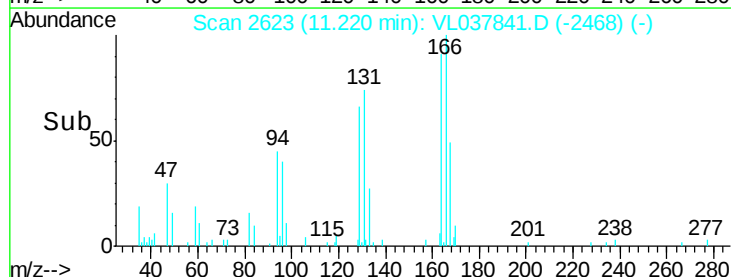
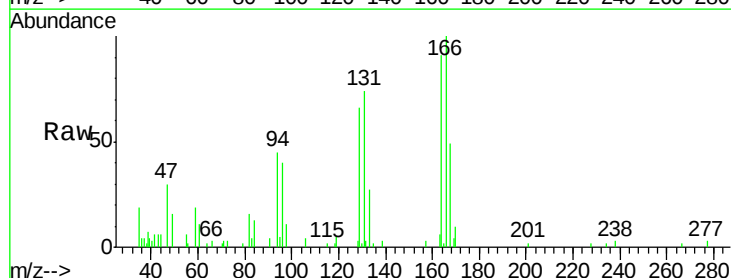
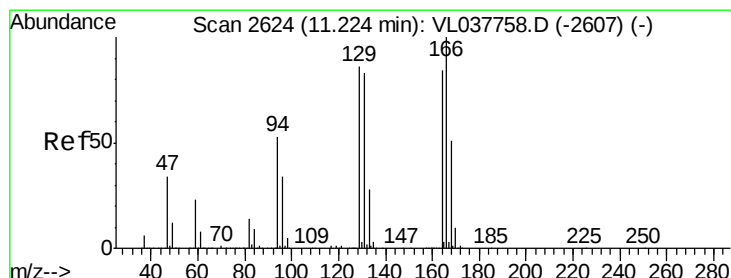
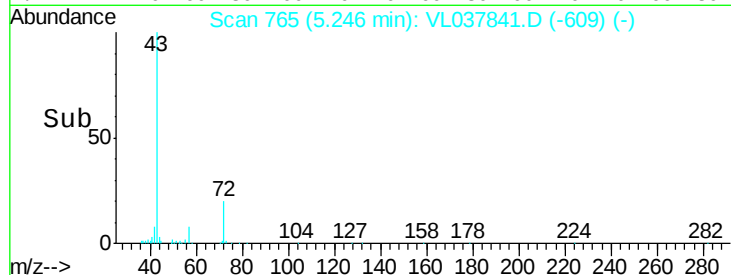
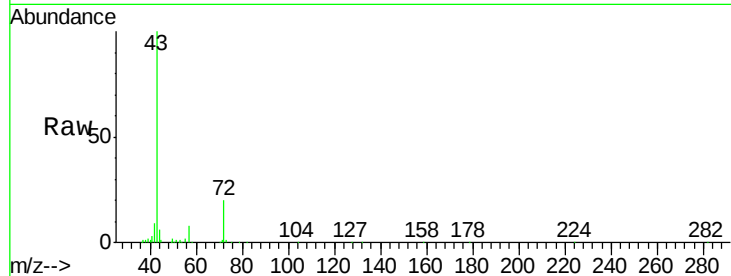
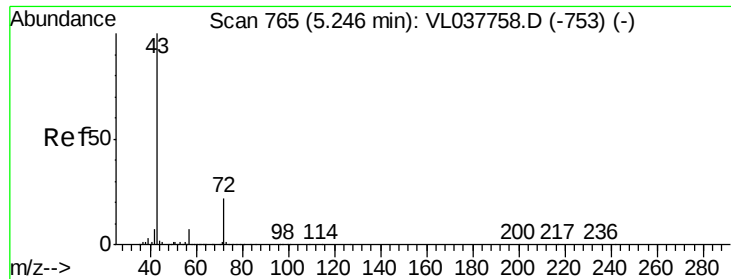
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL037841.D
Acq: 12 Oct 2021 22:30

Tgt Ion:114 Resp: 3817054
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.2
88 18.2 14.4 21.6



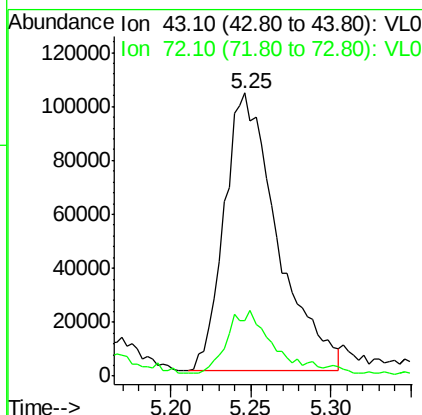


#34
2-Butanone
Concen: 1.524 ppbv
RT: 5.25
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
COP14DL
Acq: 12 Oct 2021 22:30

Tot Ion:
Ion Ratio
43 100
72 23.

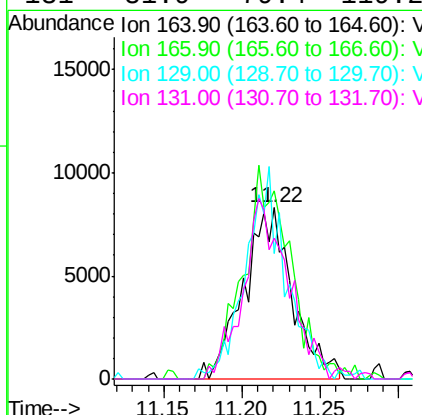
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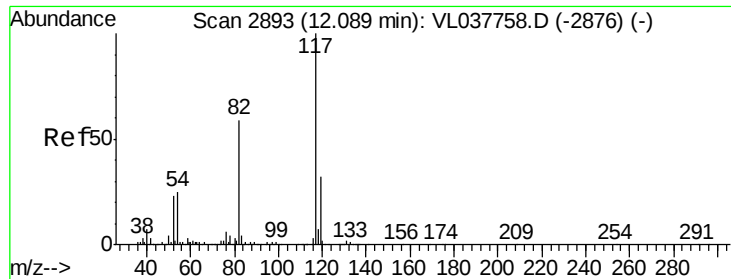
Reviewed By :Semsettin Yesilyurt 10/14/2021
Supervised By :Mahesh Dadoda 10/15/2021



#52
Tetrachloroethene
Concen: 0.141 ppbv m
RT: 11.22 min Scan# 2623
Delta R.T.: -0.00 min
Lab File: VL037841.D
Acq: 12 Oct 2021 22:30

Tgt Ion:164 Resp: 17873
Ion Ratio Lower Upper
164 100
166 110.1 95.4 143.2
129 73.0 82.2 123.4#
131 81.9 79.4 119.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Oct 2021 22:30

Tot Ion:1

Ion Ratio

117 100

82 65.

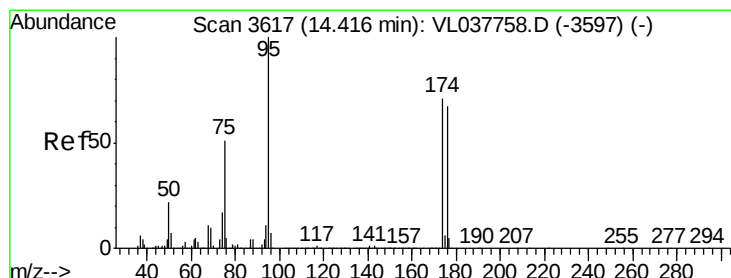
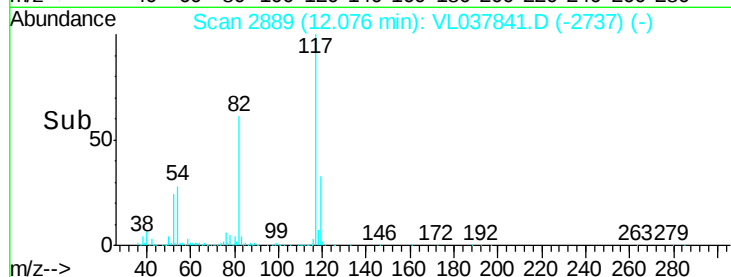
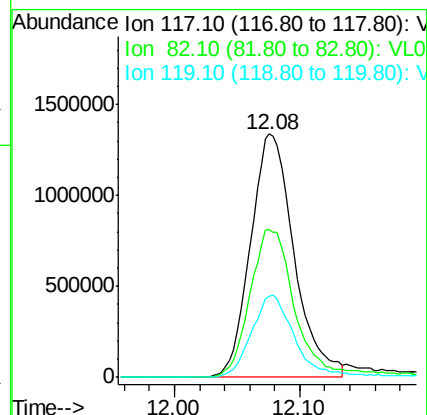
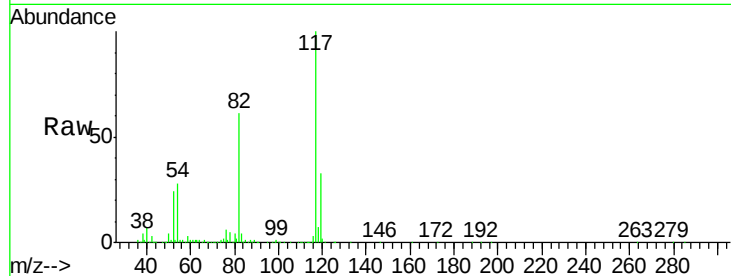
119 34.

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.120 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.01 min

Lab File: VL037841.D

Acq: 12 Oct 2021 22:30

Tgt Ion: 95 Resp: 2283080

Ion Ratio Lower Upper

95 100

174 75.9 57.8 86.6

175 5.7 4.7 7.1

