

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036856.D
 Acq On : 27 Apr 2021 13:54
 Operator : SY/AP
 Sample : M2174-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2021
 Supervised By :Mahesh Dadoda 04/29/2021

Quant Time: Apr 28 06:20:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1484080	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3526577	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3114898	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2404612	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	19716	0.239	ppbv	100
13) Ethanol	3.62	45	152329m	14.501	ppbv	
15) Acetone	3.87	43	135078m	0.966	ppbv	
19) Isopropyl Alcohol	4.02	45	24610m	0.355	ppbv	
20) Methylene Chloride	4.35	84	100952	1.509	ppbv	95
26) Hexane	5.69	57	70252	0.439	ppbv #	43
52) Tetrachloroethene	11.22	164	4051m	0.040	ppbv	

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

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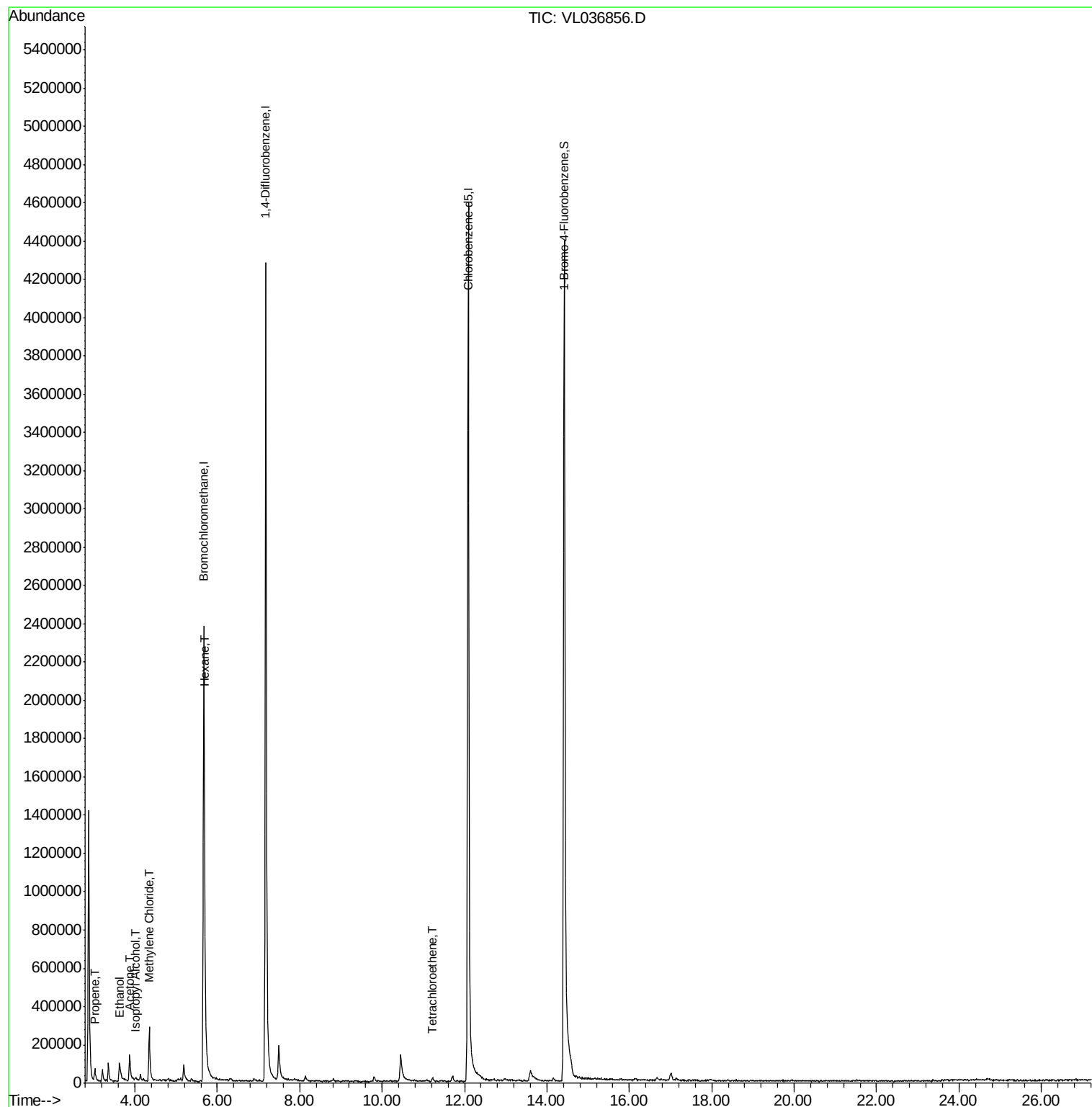
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721

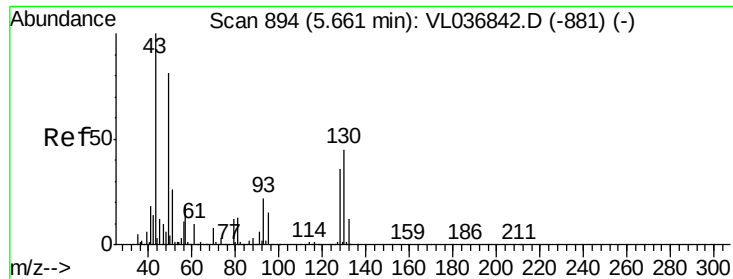
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Apr 27 16:56:35 2021

Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA2DL

Acq: 27 Apr 2021 13:54

Tot Ion:

Ion Ratio

49 100

128 46.

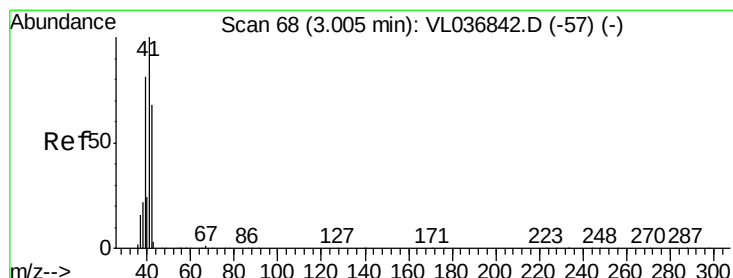
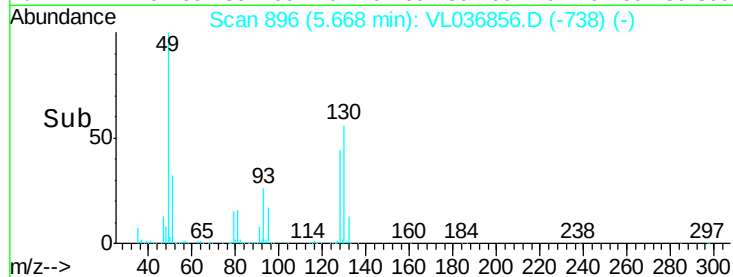
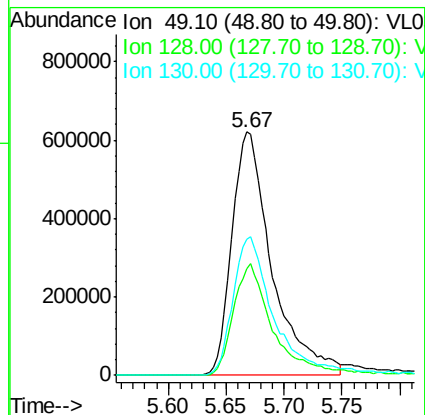
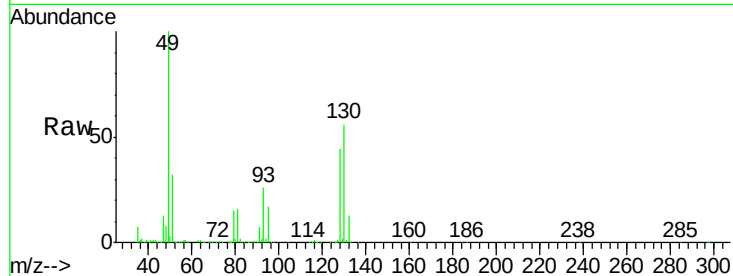
130 60.

Manual Integrations

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Supervised By :Mahesh Dadoda 04/29/2021



#9

Propene

Concen: 0.239 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL036856.D

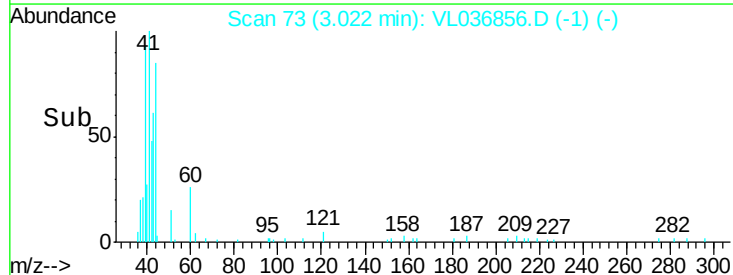
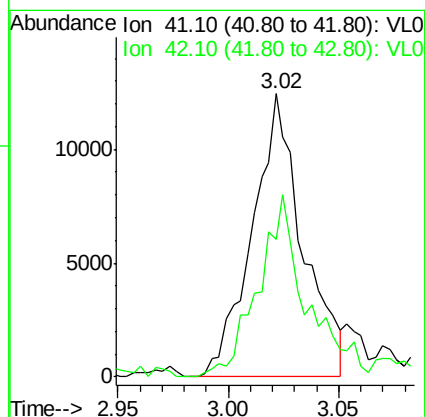
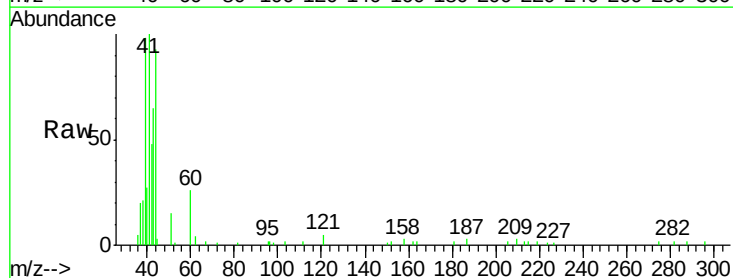
Acq: 27 Apr 2021 13:54

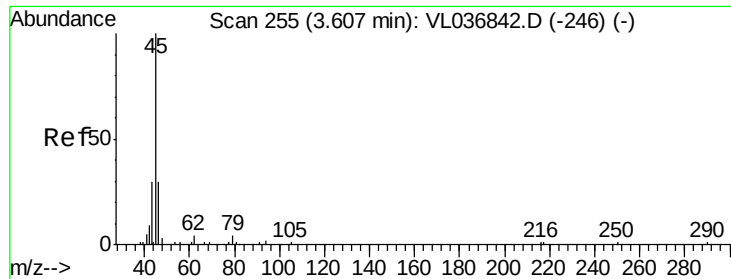
Tgt Ion: 41 Resp: 19716

Ion Ratio Lower Upper

41 100

42 70.2 56.0 84.0



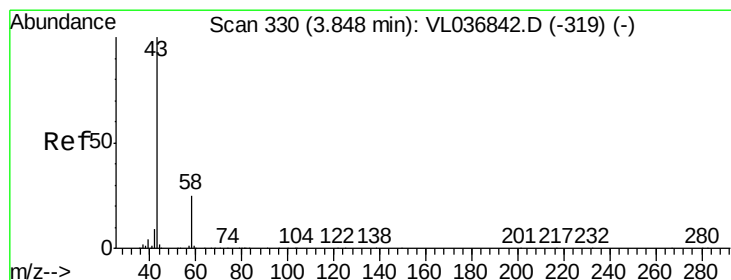
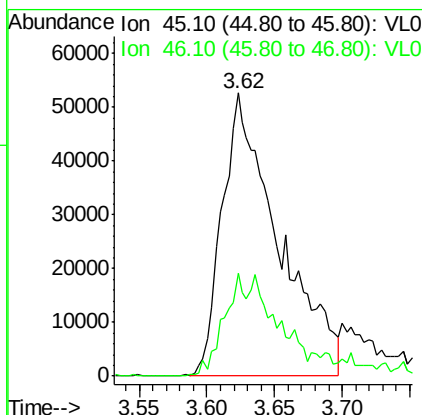
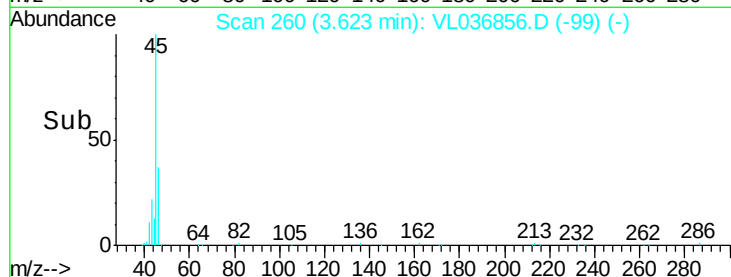
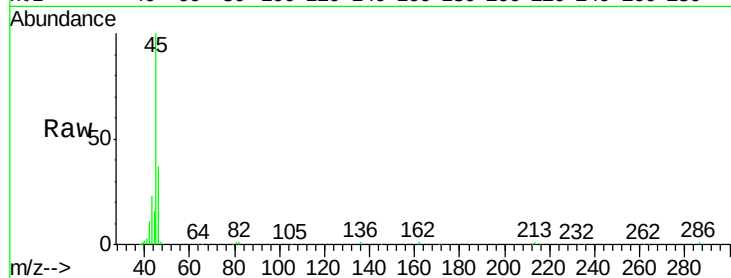


#13
Ethanol
Concen: 14.501 ppbv m
RT: 3.62
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 27 Apr 2021 13:54

Tot Ion:
Ion Ratio
45 100
46 39.

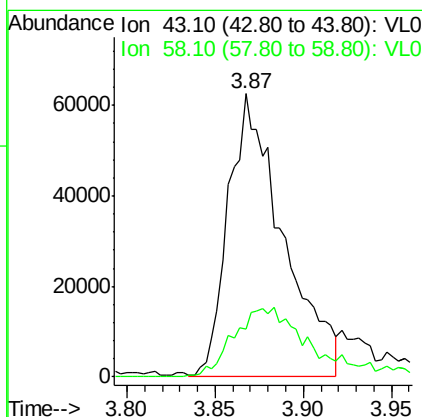
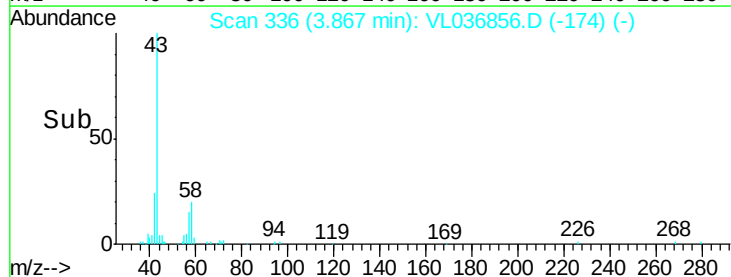
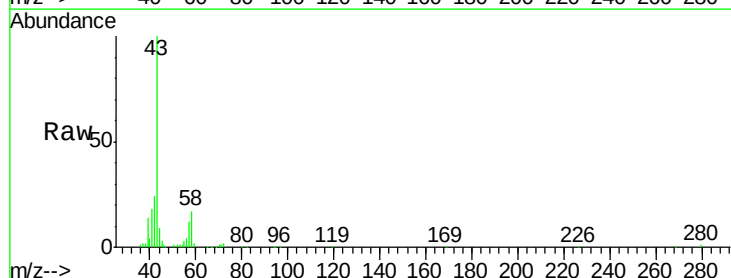
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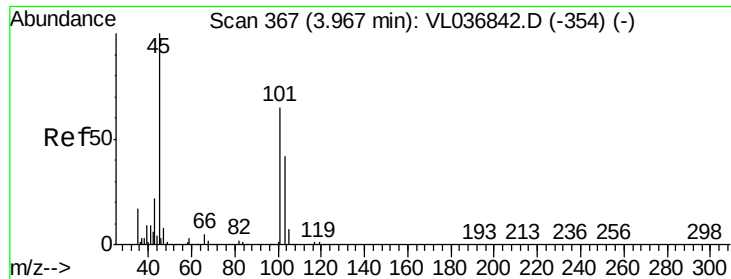
Reviewed By :Semsettin Yesilyurt 04/28/2021
Supervised By :Mahesh Dadoda 04/29/2021



#15
Acetone
Concen: 0.966 ppbv m
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL036856.D
Acq: 27 Apr 2021 13:54

Tgt Ion: 43 Resp: 135078
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#





#19

Isopropyl Alcohol

Concen: 0.355 ppbv m

RT: 4.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 13:54

Tot Ion:

Ion Ratio

45 100

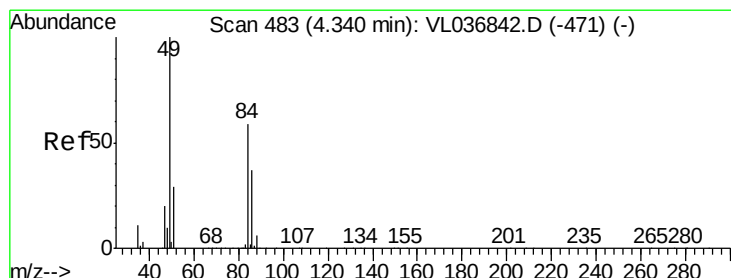
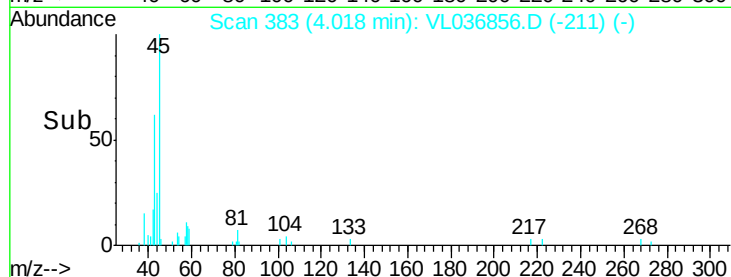
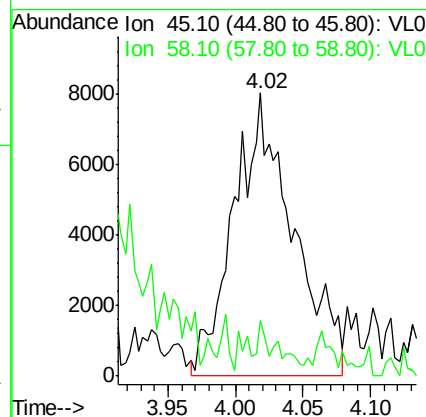
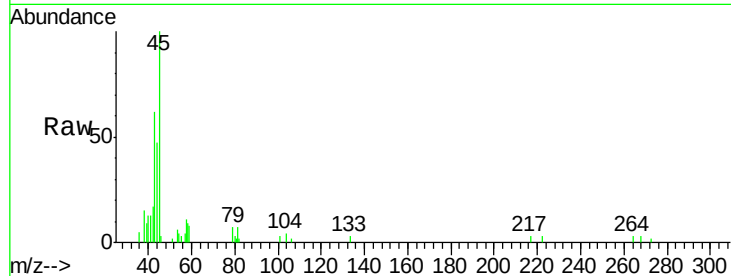
58 6.

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Supervised By :Mahesh Dadoda 04/29/2021



#20

Methylene Chloride

Concen: 1.509 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL036856.D

Acq: 27 Apr 2021 13:54

Tgt Ion: 84 Resp: 100952

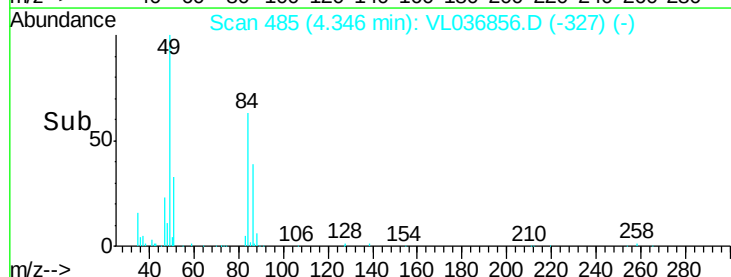
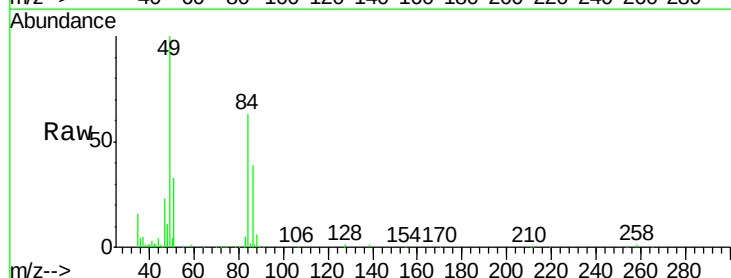
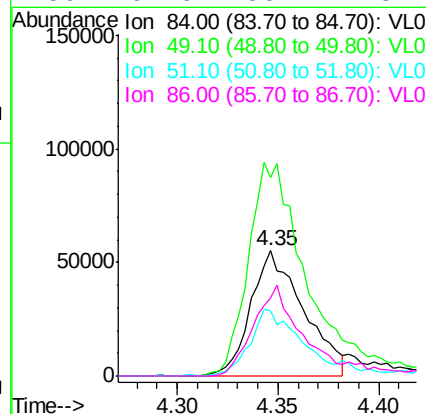
Ion Ratio Lower Upper

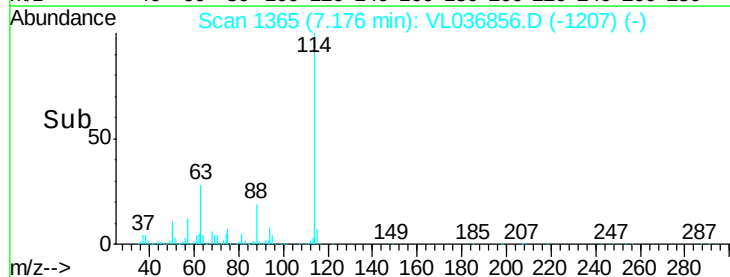
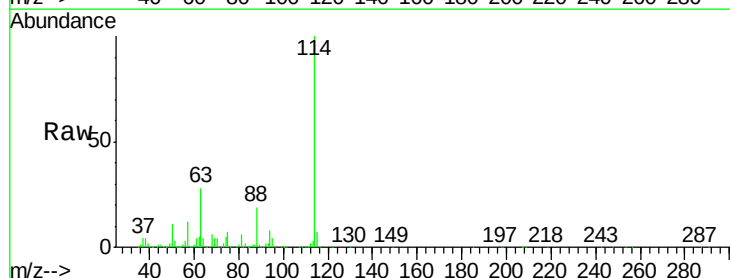
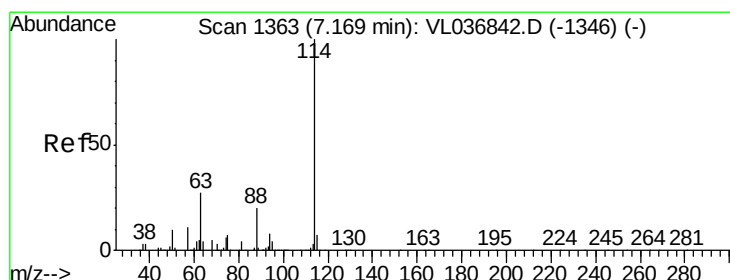
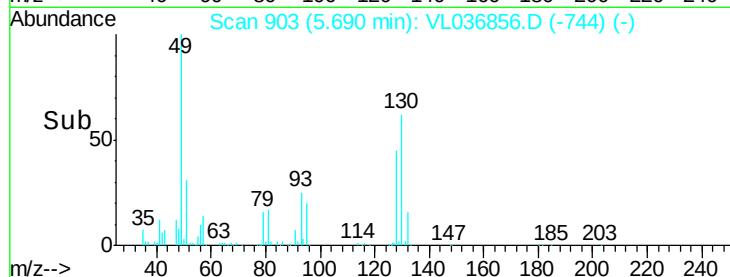
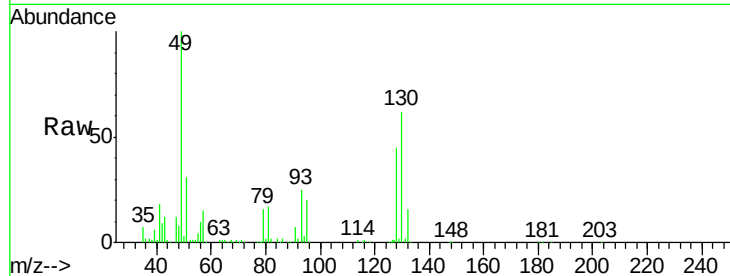
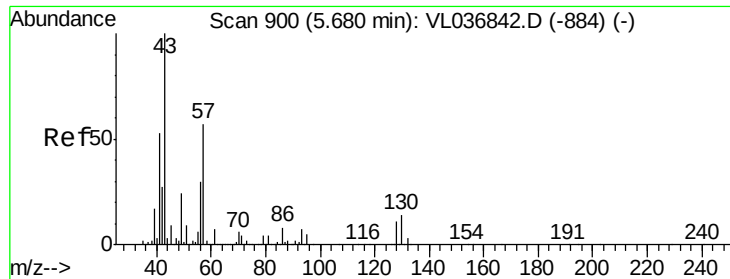
84 100

49 158.9 135.4 203.0

51 52.0 39.3 58.9

86 62.6 50.2 75.2





#26

Hexane

Concen: 0.439 ppbv

RT: 5.69 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 13:54

Tot Ion:

Ion Ratio

57 100

41 125.

43 98.

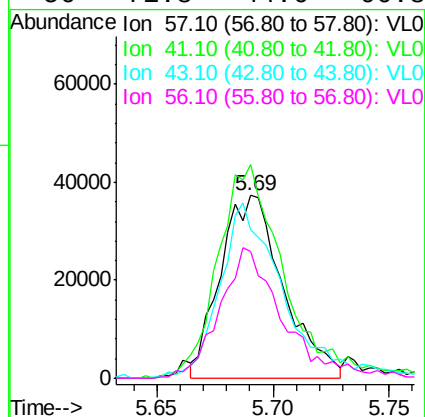
56 71.8 44.6 66.8#

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Supervised By :Mahesh Dadoda 04/29/2021



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VL036856.D

Acq: 27 Apr 2021 13:54

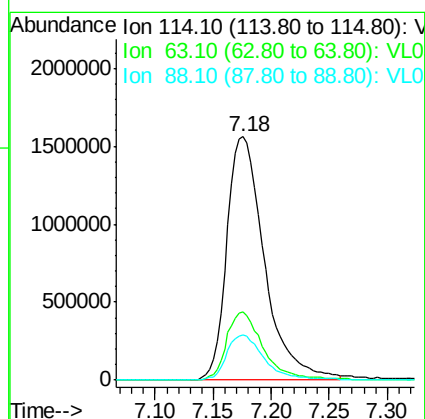
Tgt Ion:114 Resp: 3526577

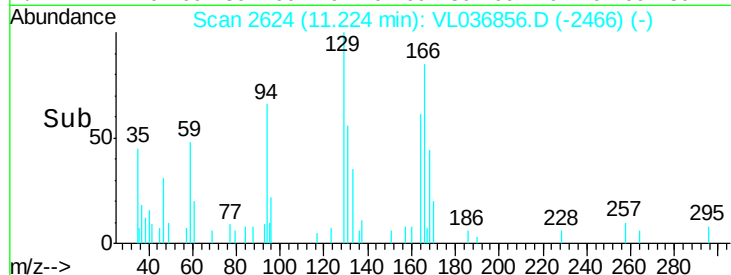
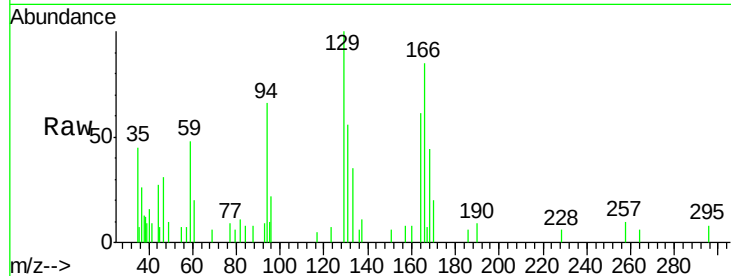
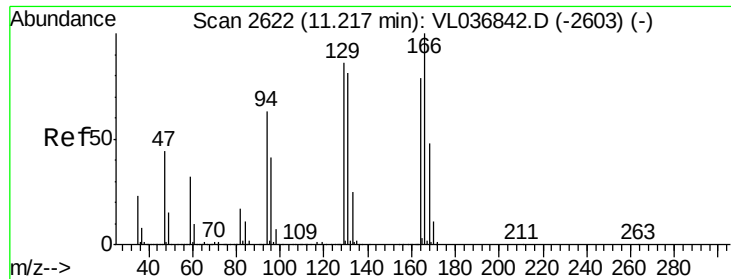
Ion Ratio Lower Upper

114 100

63 27.6 21.9 32.9

88 18.9 15.1 22.7





#52

Tetrachloroethene

Concen: 0.040 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

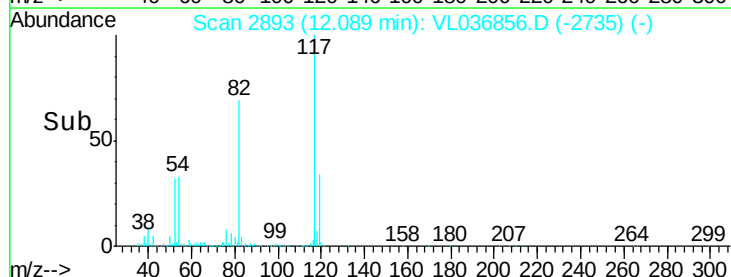
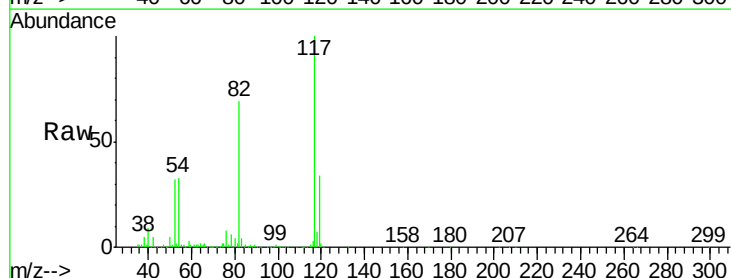
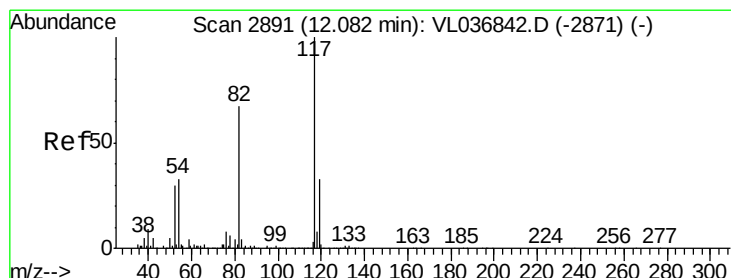
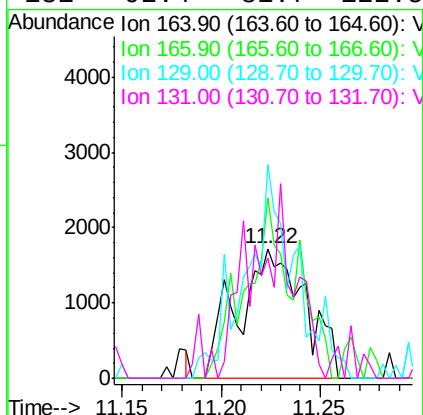
Lab File: ClientSampleId :

Acq: 27 Apr 2021 13:54

Tot Ion:1
Ion Rati
164 100
166 139.
129 164.
131 92.4 81.7 122.5

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

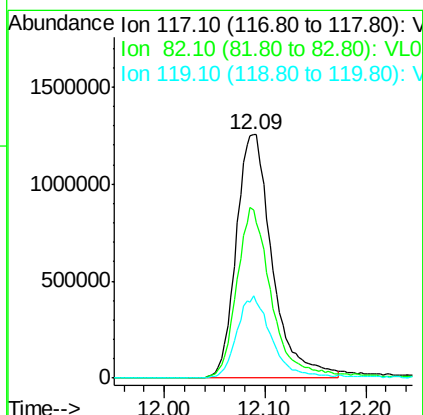
RT: 12.09 min Scan# 2893

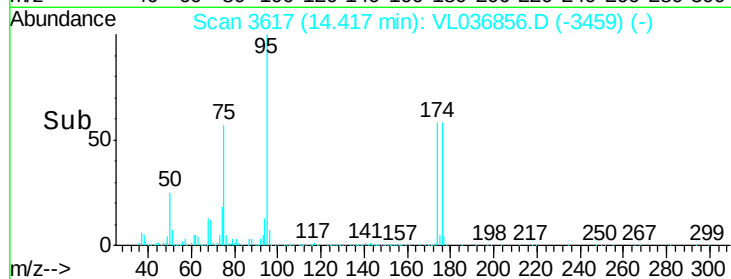
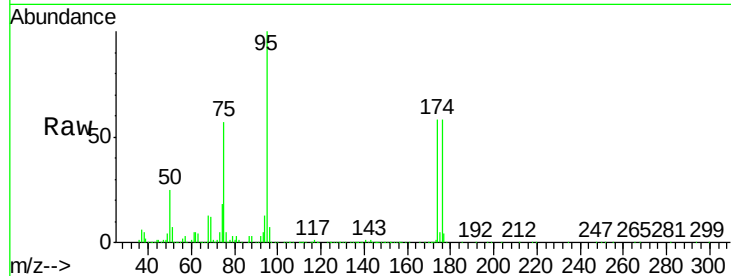
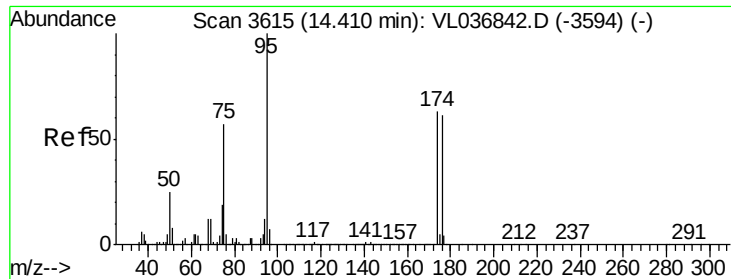
Delta R.T. 0.01 min

Lab File: VL036856.D

Acq: 27 Apr 2021 13:54

Tgt Ion:117 Resp: 3114898
Ion Ratio Lower Upper
117 100
82 70.2 53.5 80.3
119 33.5 25.6 38.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.617 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 15:34

Tot Ion:

Ion Ratio

95 100

174 68.

175 4.

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 04/29/2021

