

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036491.D
 Acq On : 25 Mar 2021 18:06
 Operator : SY/AP
 Sample : M1748-31DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 UP-SG-2(2021)DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021

Quant Time: Mar 28 23:27:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1496680	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3485159	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3082004	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2376150	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	80244m	7.559	ppbv	
15) Acetone	3.85	43	292858	1.988	ppbv #	88
20) Methylene Chloride	4.34	84	121040	1.755	ppbv	97
26) Hexane	5.68	57	141877	0.873	ppbv #	46
38) Trichloroethene	7.83	130	27594m	0.221	ppbv	
52) Tetrachloroethene	11.23	164	27698m	0.234	ppbv	

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

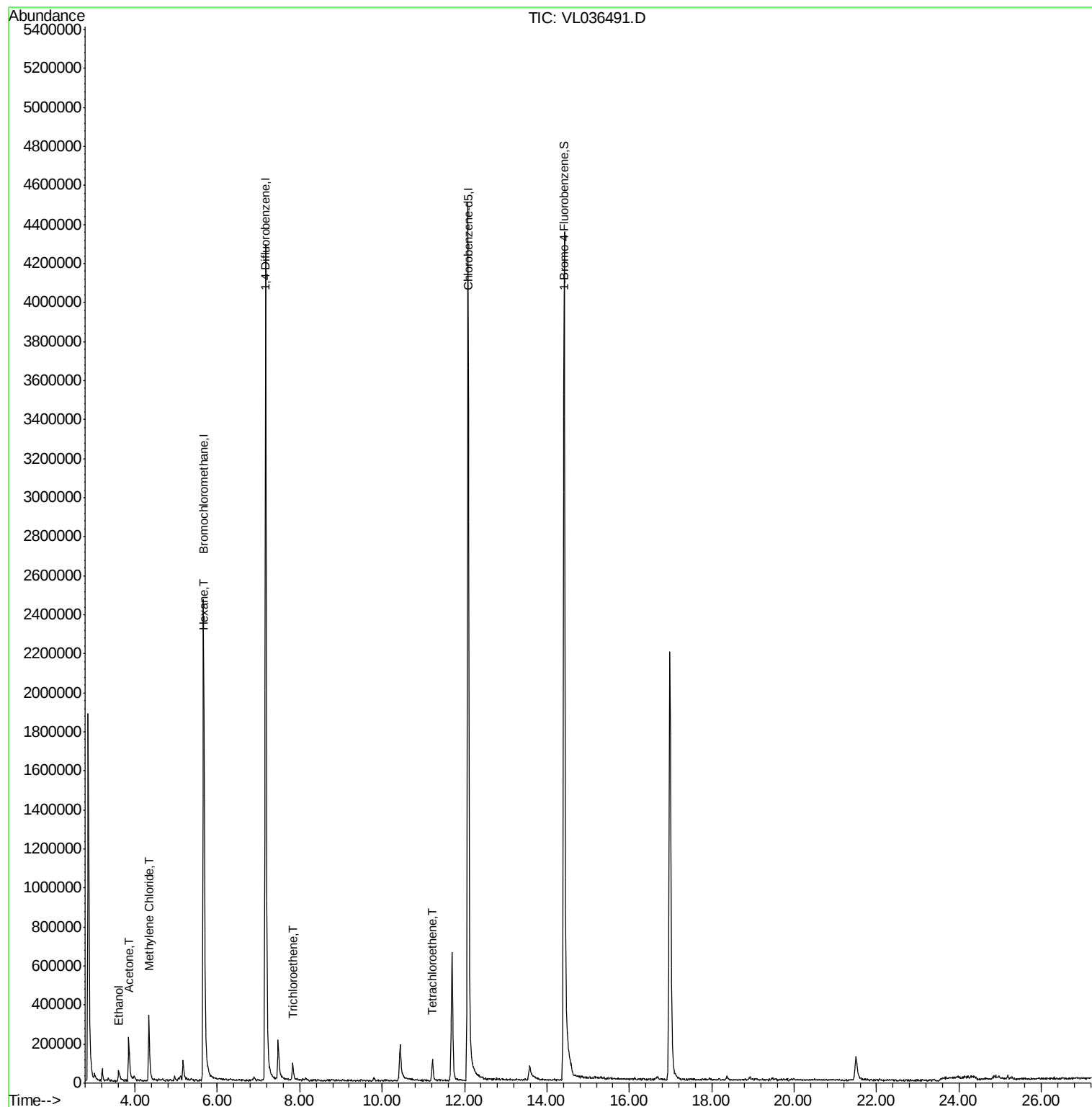
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032521\
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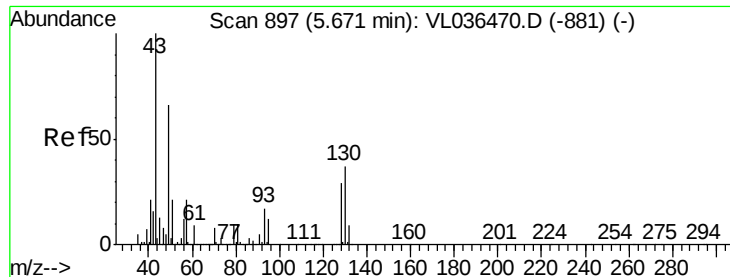
Instrument :
MSVOA_L
ClientSampleId :
UP-SG-2(2021)DL

Quant Time: Mar 28 23:27:11 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: UP-SG-2(2021)DL

Acq: 25 Mar 2021 18:00

Tot Ion:

Ion Ratio

49 100

128 45.

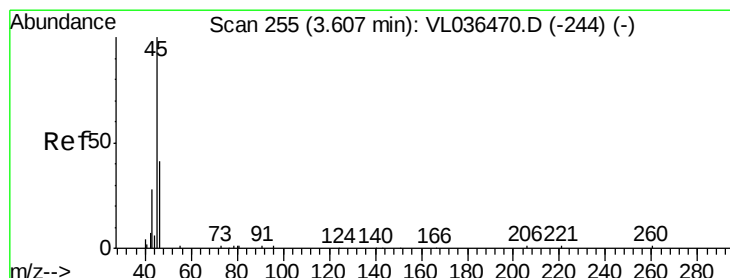
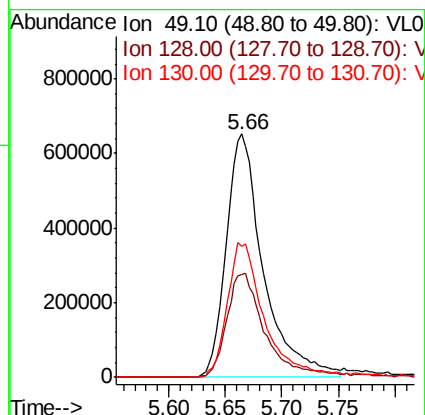
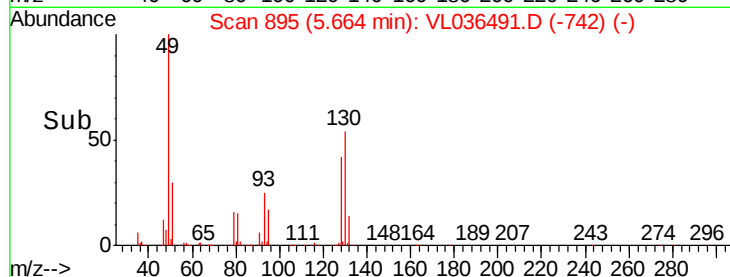
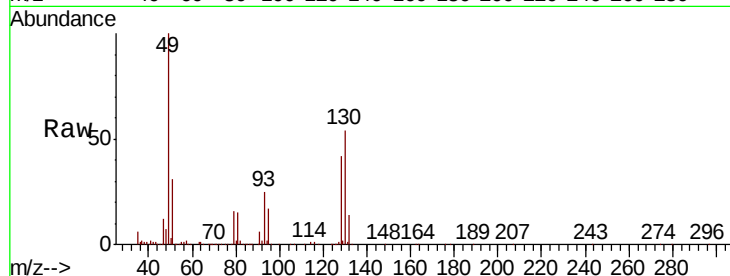
130 56.

Manual Integrations

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Supervised By :Mahesh Dadoda 03/29/2021



#13

Ethanol

Concen: 7.559 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL036491.D

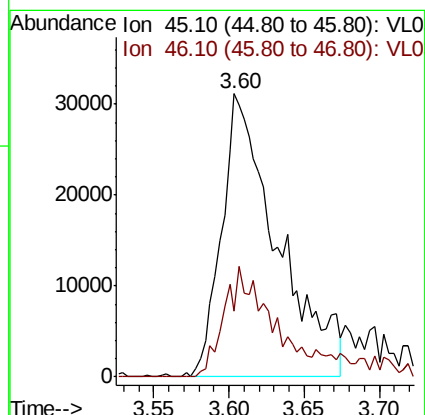
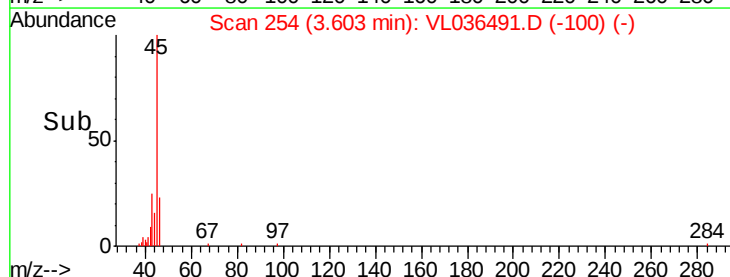
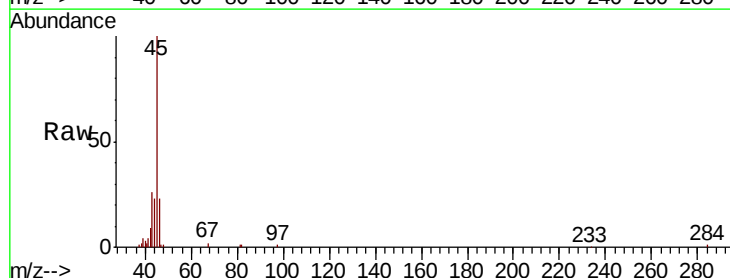
Acq: 25 Mar 2021 18:06

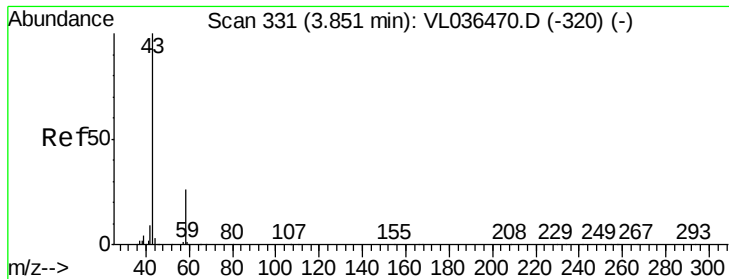
Tgt Ion: 45 Resp: 80244

Ion Ratio Lower Upper

45 100

46 39.1 16.6 66.2



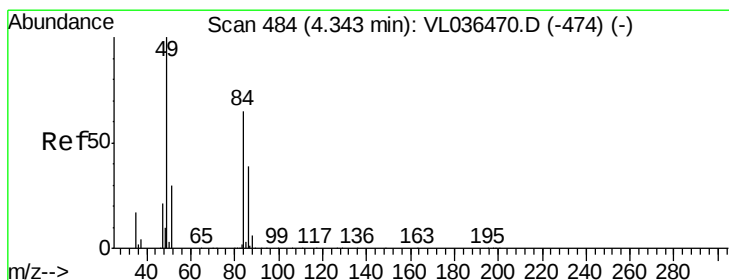
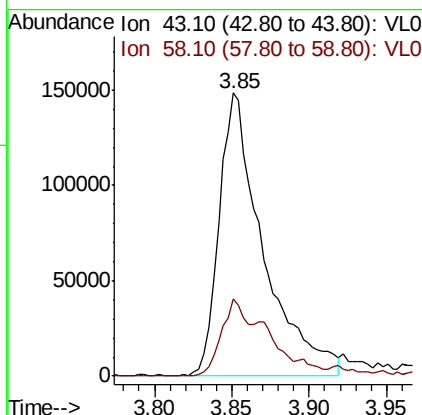
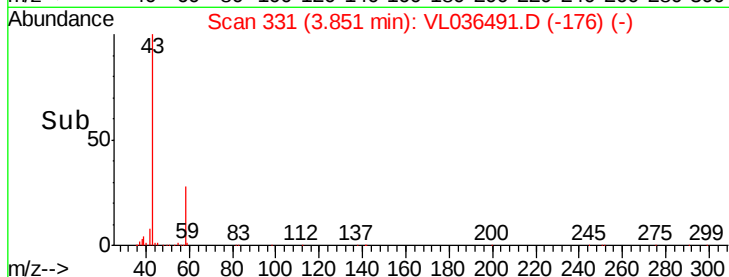
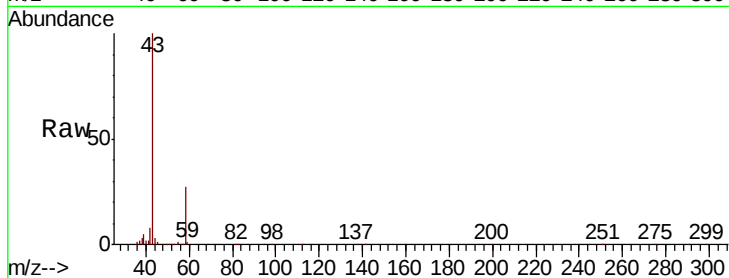


#15
Acetone
Concen: 1.988 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
UP-SG-2(2021)DL
Acq: 25 Mar 2021 18:00

Tot Ion:
Ion Ratio
43 100
58 32.

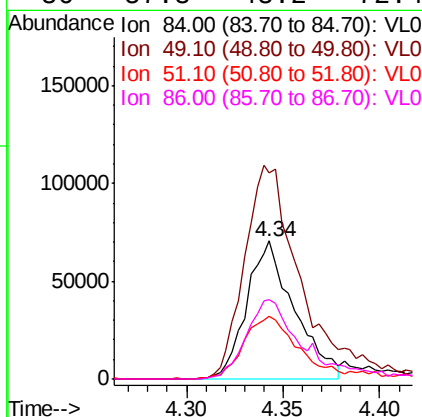
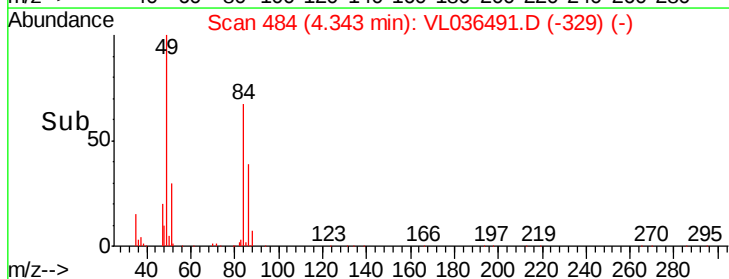
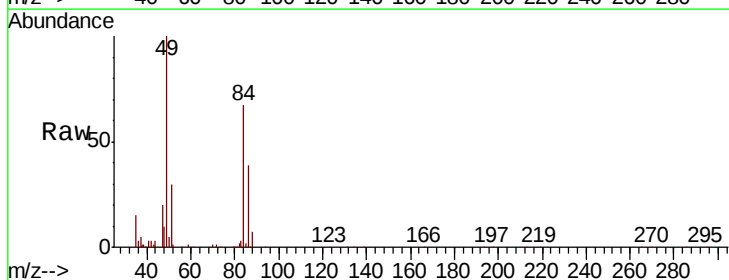
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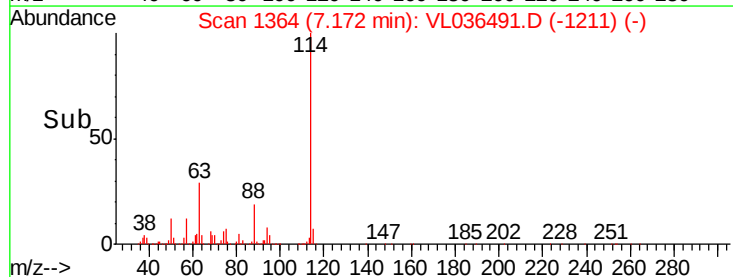
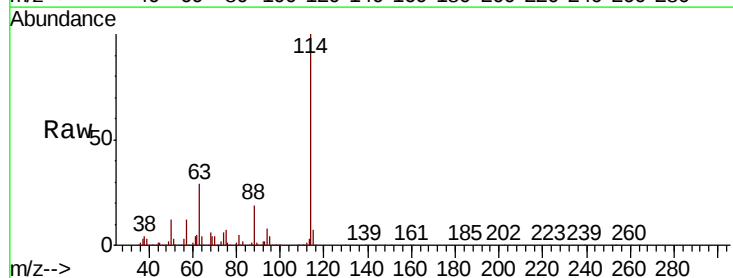
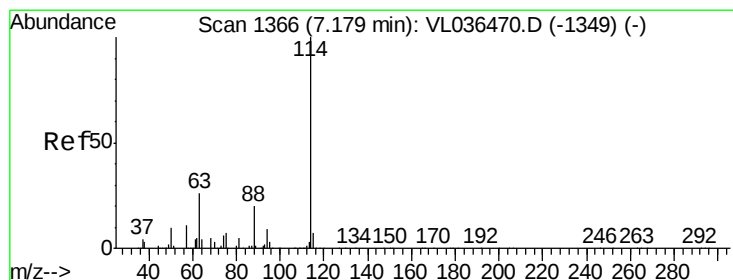
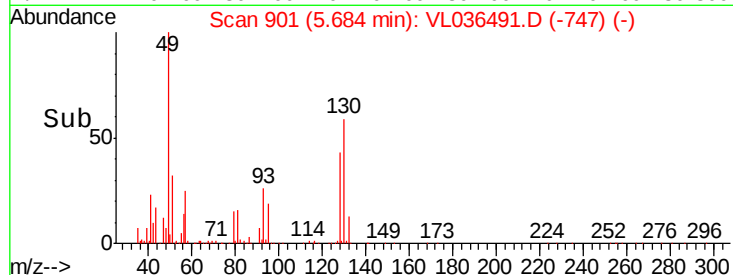
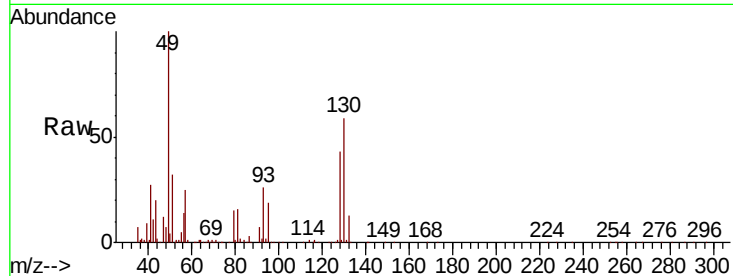
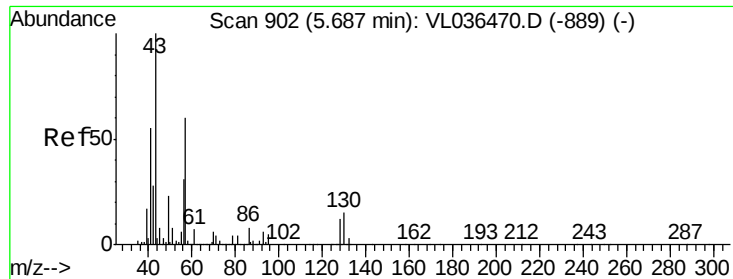
Reviewed By :Semsettin Yesilyurt 03/26/2021
Supervised By :Mahesh Dadoda 03/29/2021



#20
Methylene Chloride
Concen: 1.755 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036491.D
Acq: 25 Mar 2021 18:06

Tgt Ion: 84 Resp: 121040
Ion Ratio Lower Upper
84 100
49 149.2 122.9 184.3
51 45.2 36.9 55.3
86 57.8 48.2 72.4





#26

Hexane

Concen: 0.873 ppbv

RT: 5.68

Delta R.T.

Lab File:

Acq: 25 Mar 2021 18:06

Instrument :

MSVOA_L

ClientSampleId :

UP-SG-2(2021)DL

Tot Ion:

Ion Ratio

57 100

41 112.

43 84.

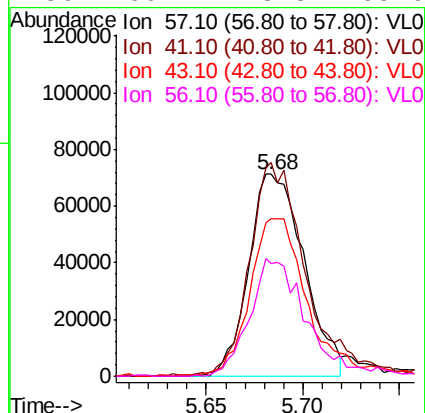
56 60.4

Manual Integrations

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Supervised By :Mahesh Dadoda 03/29/2021



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL036491.D

Acq: 25 Mar 2021 18:06

Tgt Ion:114 Resp: 3485159

Ion Ratio Lower Upper

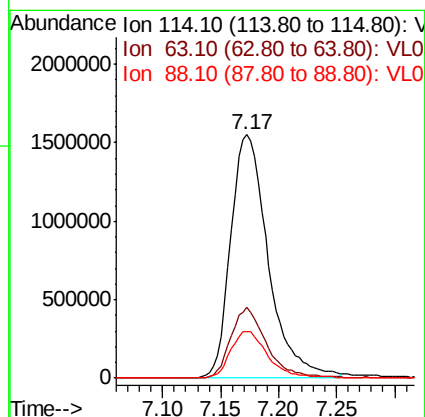
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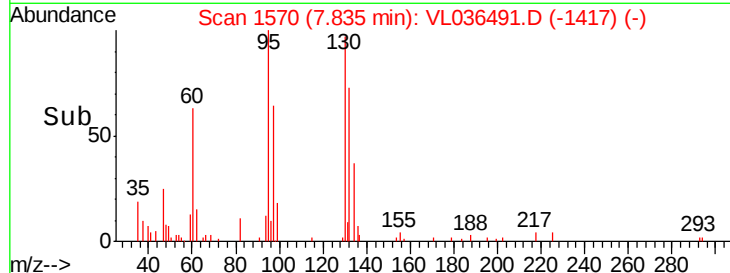
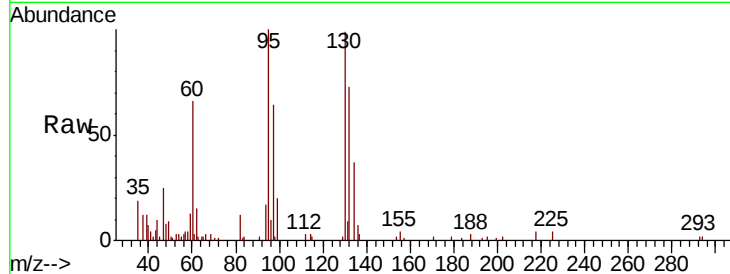
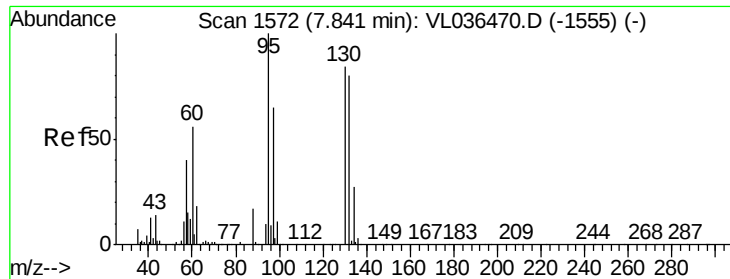
63 28.4

88 19.5

22.4 33.6

15.4 23.0





#38

Trichloroethene

Concen: 0.221 ppbv m

RT: 7.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 18:00

Tot Ion:1

Ion Ratio

130 100

95 101.

132 73.

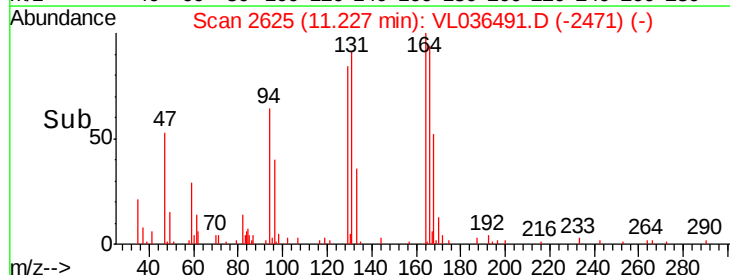
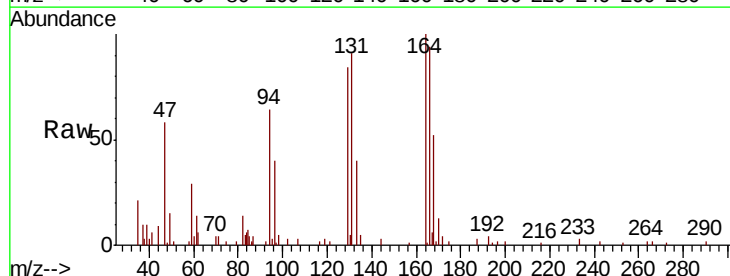
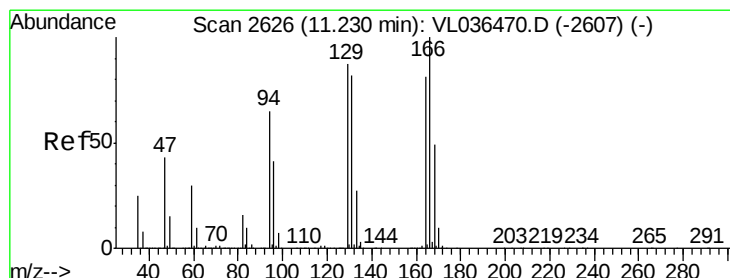
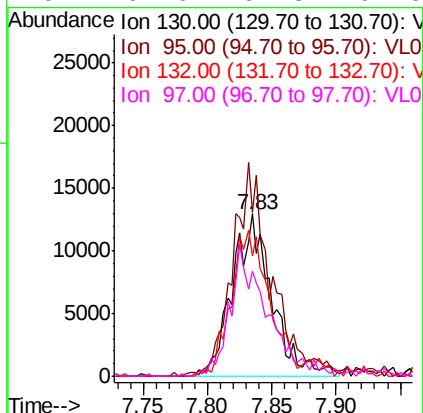
97 64.6

Manual Integrations

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Supervised By :Mahesh Dadoda 03/29/2021



#52

Tetrachloroethene

Concen: 0.234 ppbv m

RT: 11.23 min Scan# 2625

Delta R.T. -0.00 min

Lab File: VL036491.D

Acq: 25 Mar 2021 18:06

Tgt Ion:164 Resp: 27698

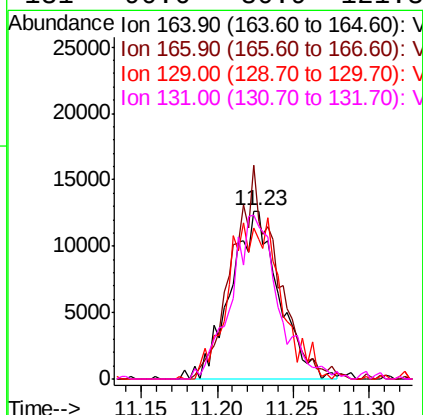
Ion Ratio Lower Upper

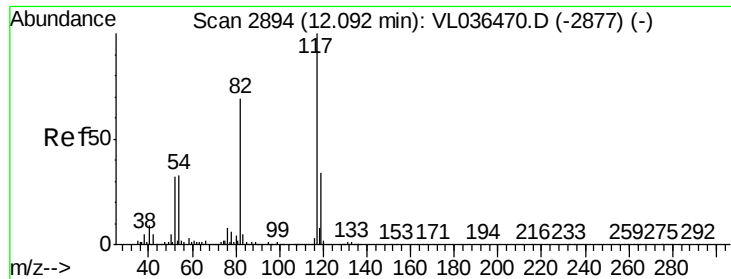
164 100

166 94.0 98.3 147.5#

129 83.5 85.8 128.8#

131 90.6 80.9 121.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 18:00

Tot Ion:1

Ion Rati

117 100

82 70.

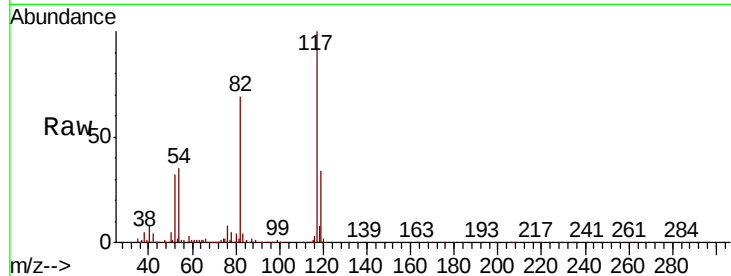
119 33.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2021

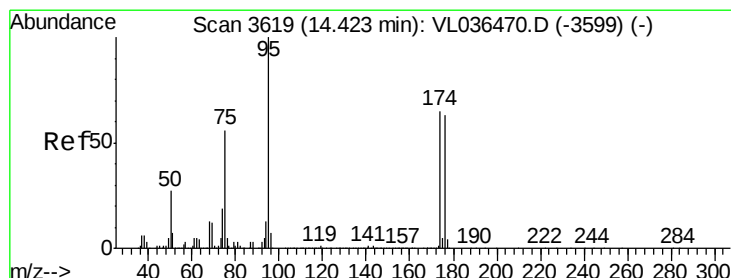
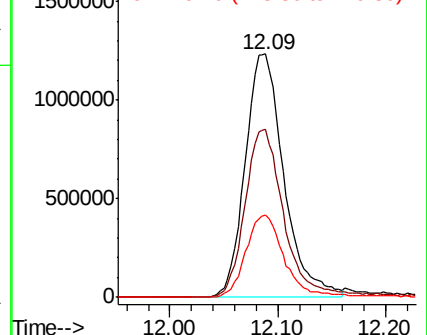
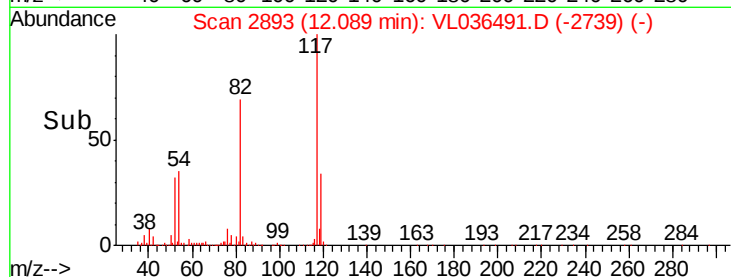
Supervised By :Mahesh Dadoda 03/29/2021



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.673 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL036491.D

Acq: 25 Mar 2021 18:06

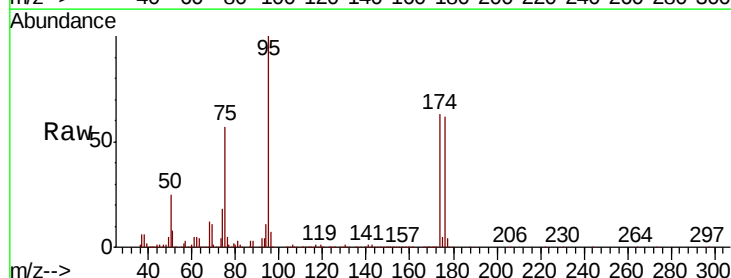
Tgt Ion: 95 Resp: 2376150

Ion Ratio Lower Upper

95 100

174 67.5 51.0 76.6

175 4.8 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

