

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038191.D
 Acq On : 16 Dec 2021 16:02
 Operator : SY/AP
 Sample : M5117-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/20/2021
 Supervised By :Mahesh Dadoda 12/20/2021

Quant Time: Dec 17 05:58:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1106879	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2778952	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2380685	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1805479	10.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	53016m	0.228	ppbv	
9) Propene	3.03	41	103021	1.203	ppbv #	74
13) Ethanol	3.60	45	358095	43.285	ppbv	91
15) Acetone	3.87	43	52315m	0.545	ppbv	
19) Isopropyl Alcohol	3.98	45	52775	0.761	ppbv #	98
20) Methylene Chloride	4.35	84	73411m	1.366	ppbv	
26) Hexane	5.69	57	72942	0.474	ppbv #	45
36) Benzene	6.89	78	32106m	0.116	ppbv	
53) Toluene	9.80	91	58405m	0.183	ppbv	

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

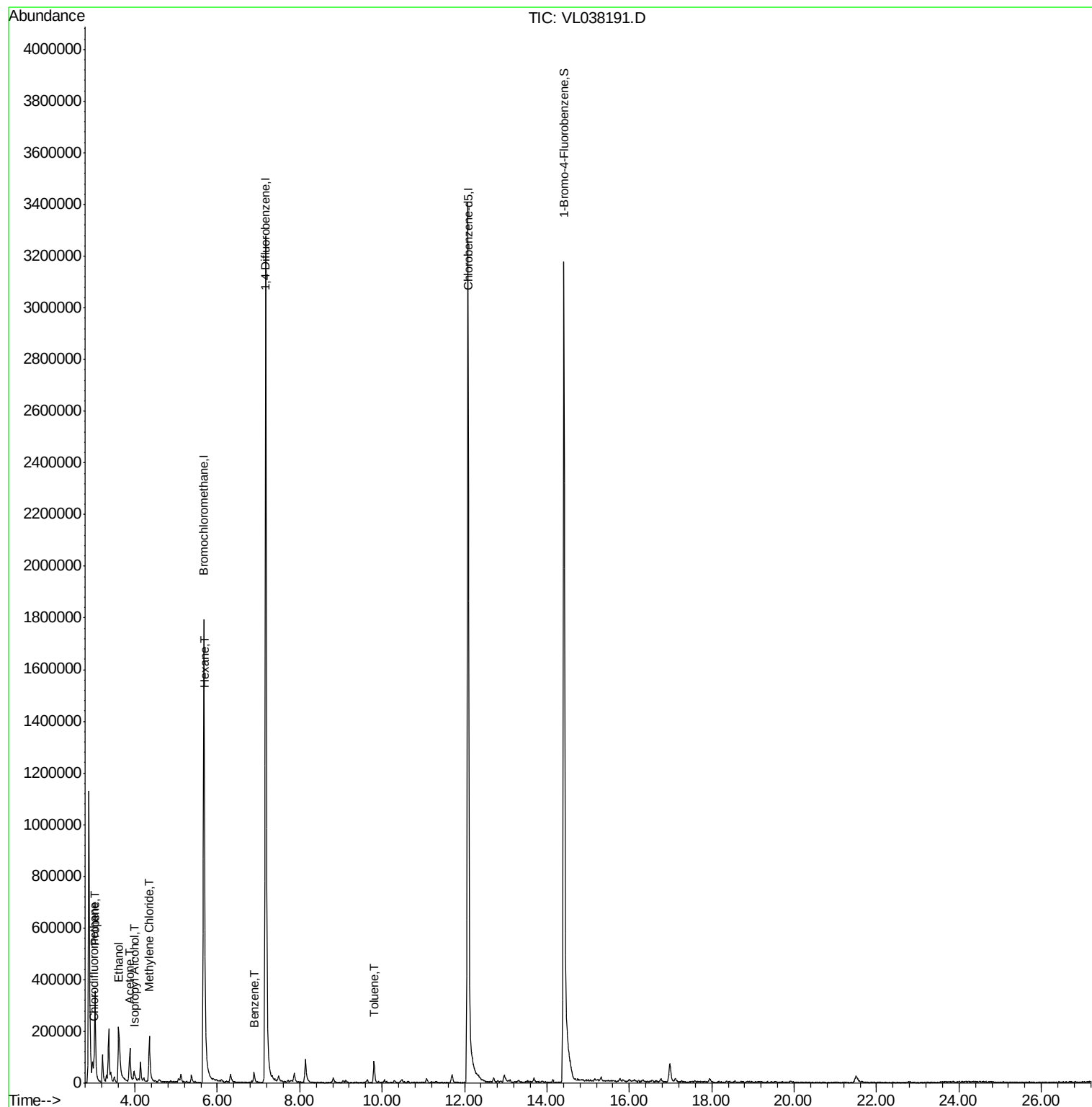
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121621\
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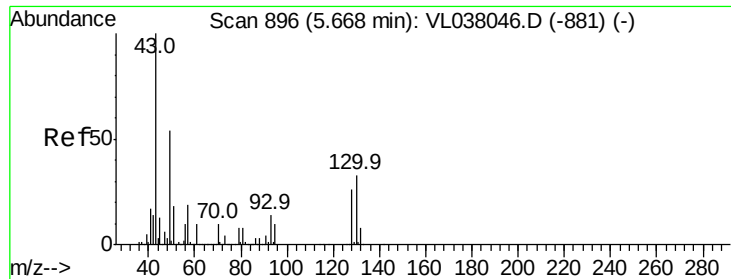
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

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Quant Time: Dec 17 05:58:14 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Supervised By :Mahesh Dadoda 12/20/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 16:02

Tot Ion:

Ion Ratio

49 100

128 45.

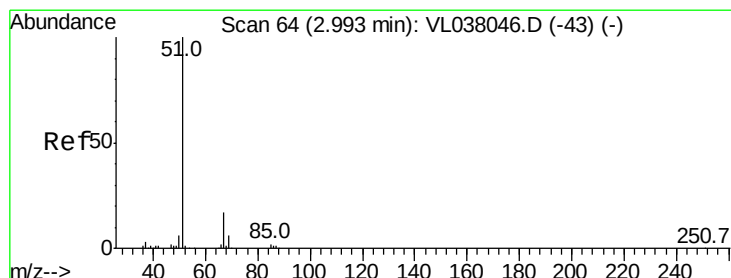
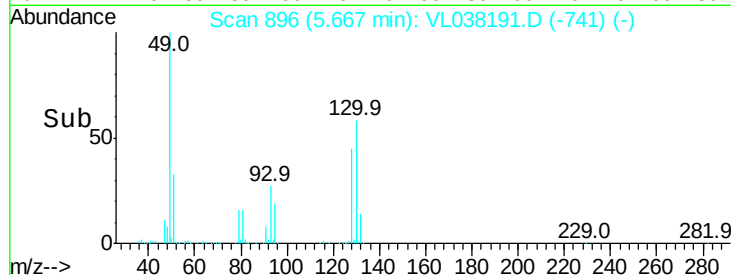
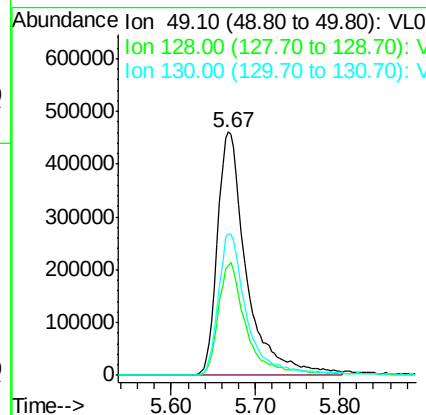
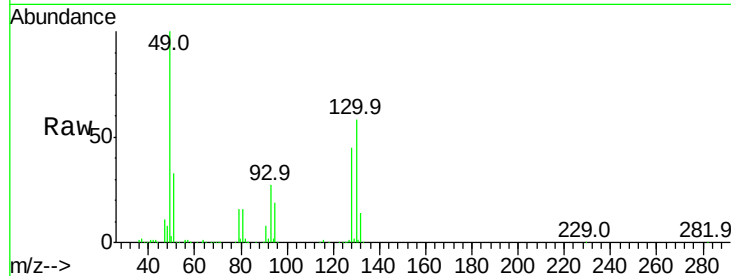
130 57.

Manual Integrations

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Reviewed By :Amit Patel 12/20/2021

Supervised By :Mahesh Dadoda 12/20/2021



#3

Chlorodifluoromethane

Concen: 0.228 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL038191.D

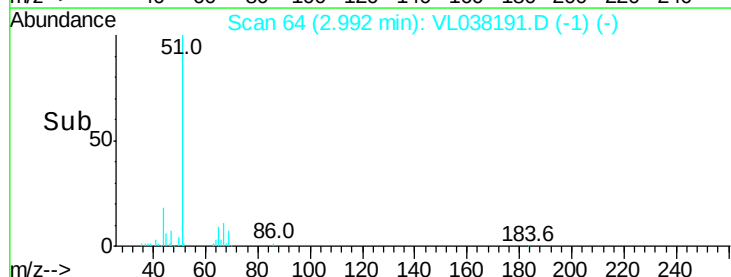
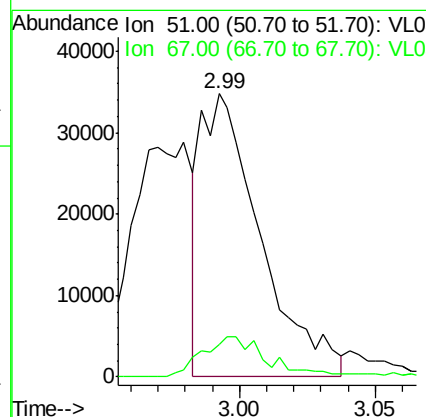
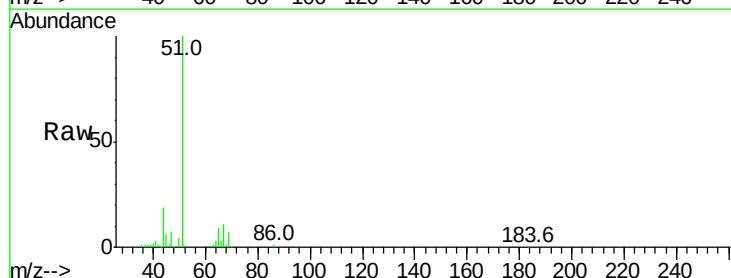
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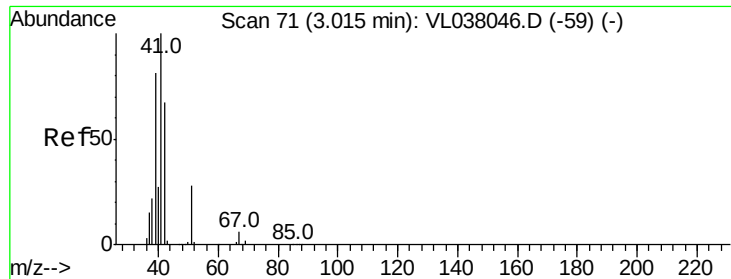
Tgt Ion: 51 Resp: 53016

Ion Ratio Lower Upper

51 100

67 16.7 13.8 20.8





#9

Propene

Concen: 1.203 ppbv

RT: 3.03 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 16:02

Tot Ion:

Ion Ratio

41 100

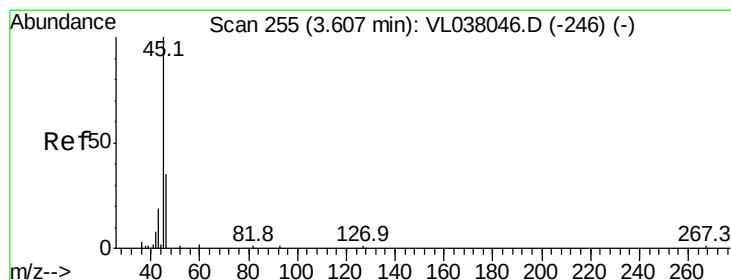
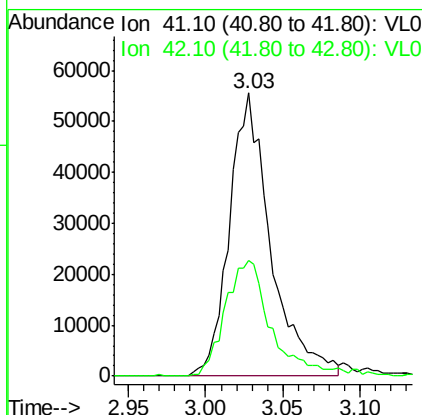
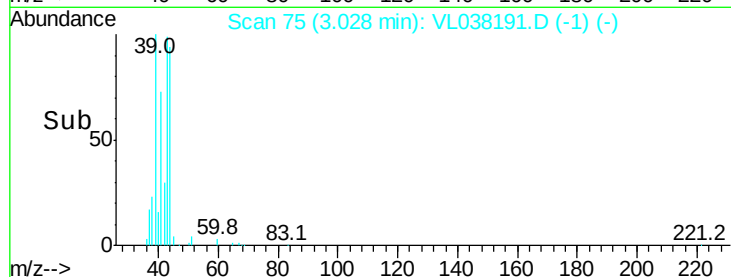
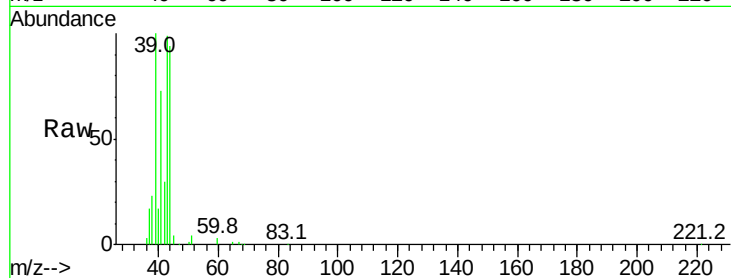
42 46.

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Reviewed By :Amit Patel 12/20/2021

Supervised By :Mahesh Dadoda 12/20/2021



#13

Ethanol

Concen: 43.285 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL038191.D

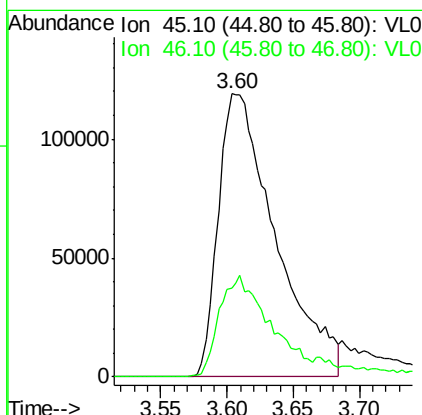
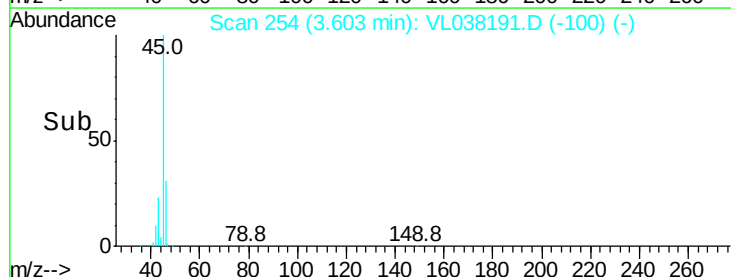
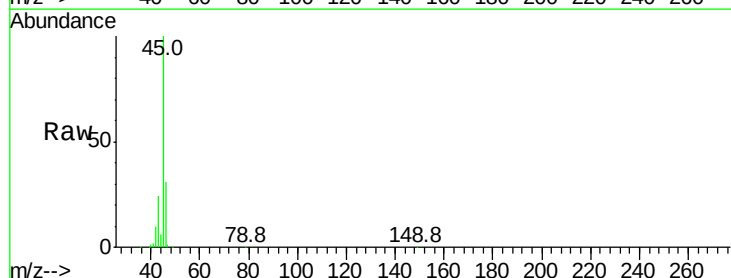
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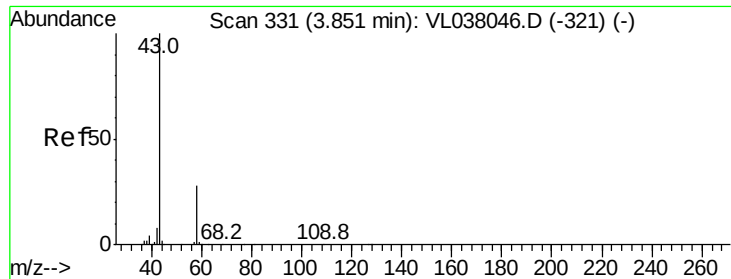
Tgt Ion: 45 Resp: 358095

Ion Ratio Lower Upper

45 100

46 38.2 17.6 70.2





#15

Acetone

Concen: 0.545 ppbv m

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 16:02

Tot Ion:

Ion Ratio

43 100

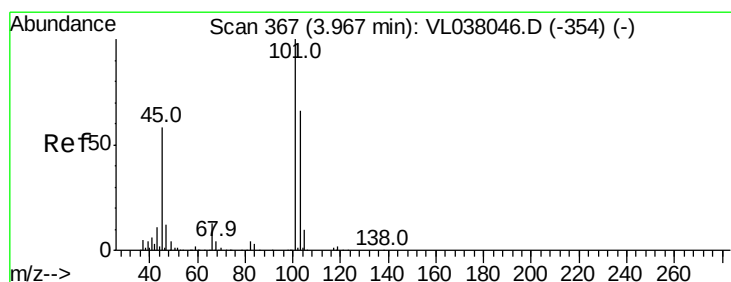
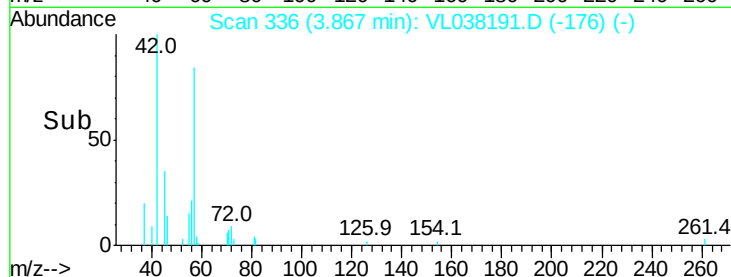
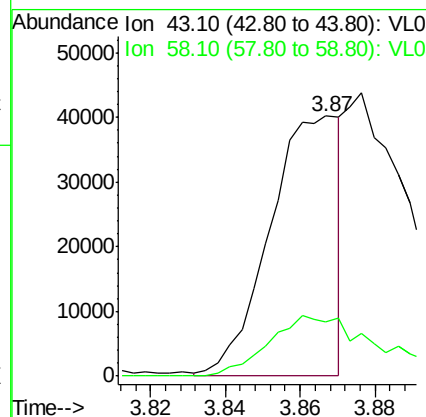
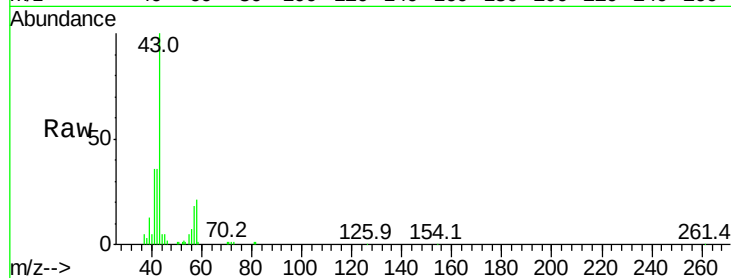
58 43.

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Reviewed By :Amit Patel 12/20/2021

Supervised By :Mahesh Dadoda 12/20/2021



#19

Isopropyl Alcohol

Concen: 0.761 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL038191.D

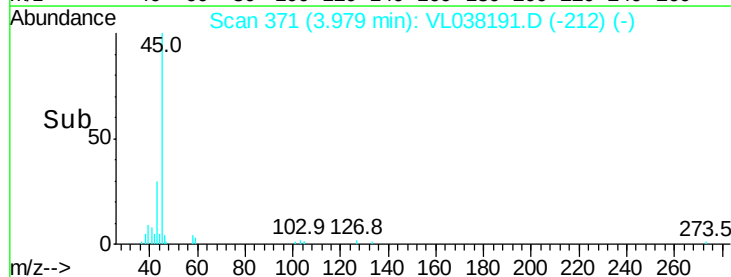
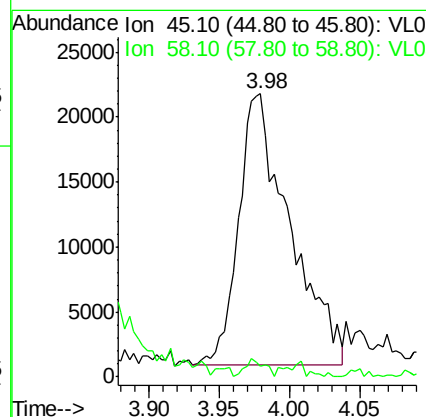
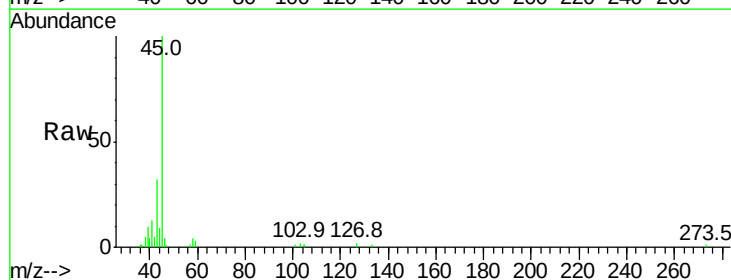
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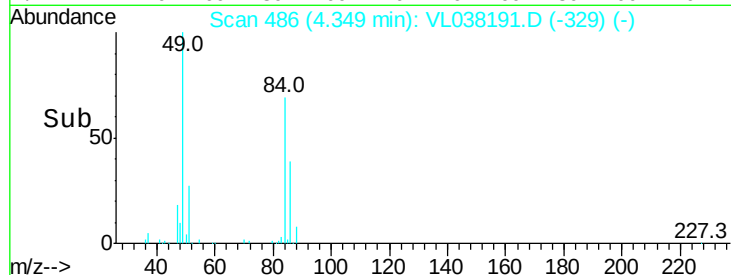
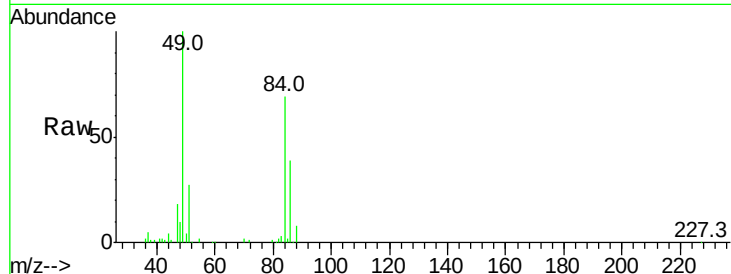
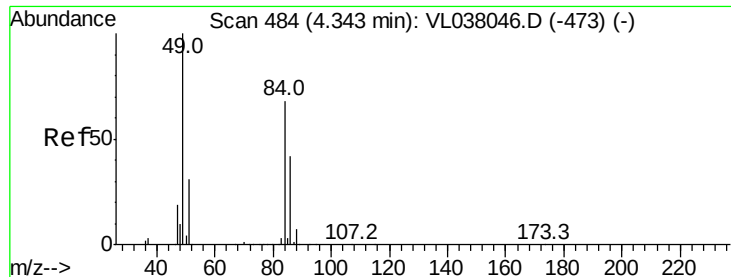
Tgt Ion: 45 Resp: 52775

Ion Ratio Lower Upper

45 100

58 2.5 1.4 2.0#



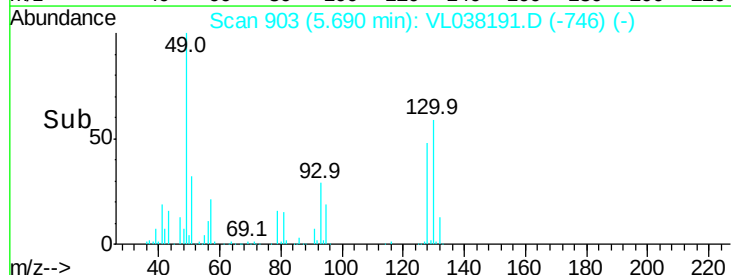
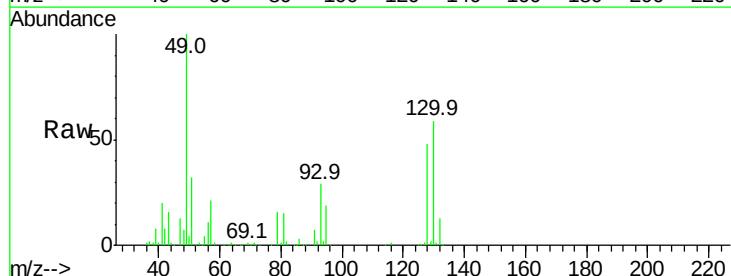
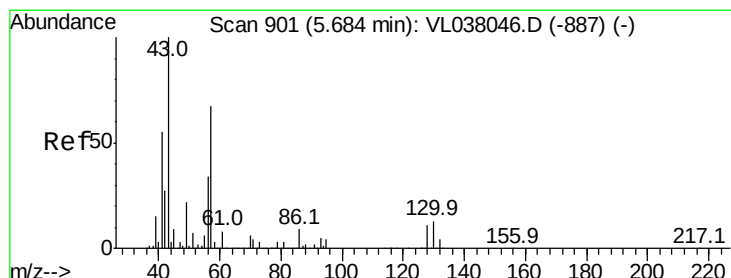
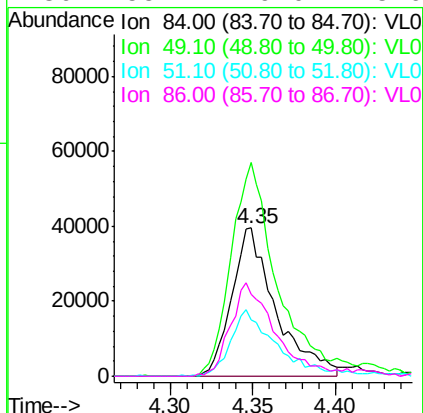


#20
Methvlene Chloride
Concen: 1.366 ppbv m
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Dec 2021 16:02

Tot Ion:
Ion Ratio
84 100
49 144.
51 38.
86 55.7 49.0 73.6

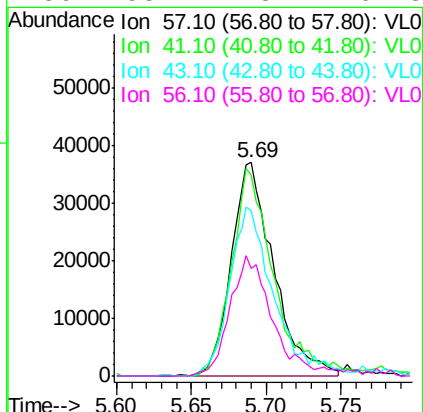
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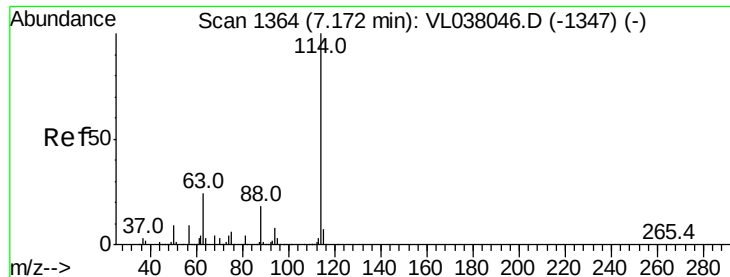
Reviewed By :Amit Patel 12/20/2021
Supervised By :Mahesh Dadoda 12/20/2021



#26
Hexane
Concen: 0.474 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL038191.D
Acq: 16 Dec 2021 16:02

Tgt Ion: 57 Resp: 72942
Ion Ratio Lower Upper
57 100
41 100.2 71.4 107.2
43 82.6 174.6 261.8#
56 58.7 43.2 64.8



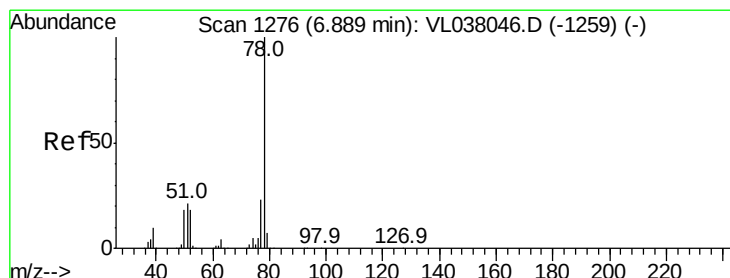
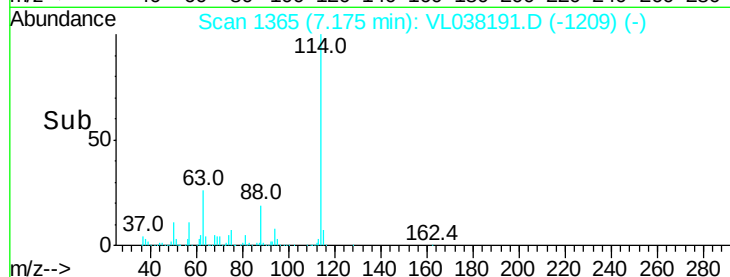
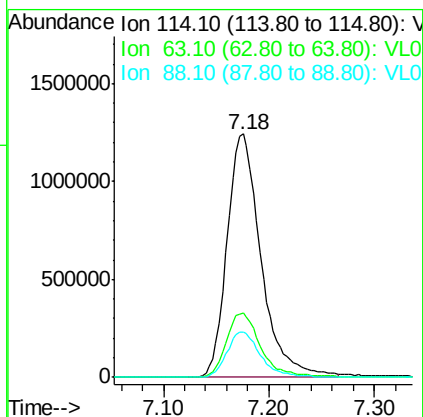
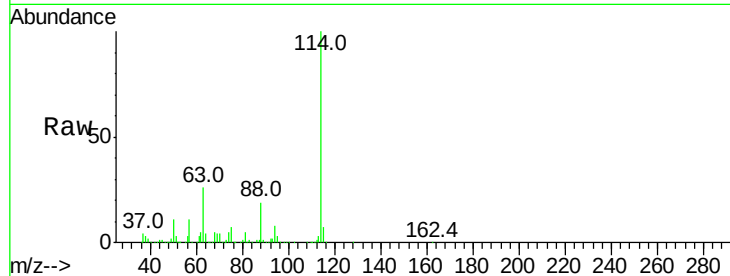


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 16:02

Tot Ion:1
 Ion Rati
 114 100
 63 27.
 88 18.

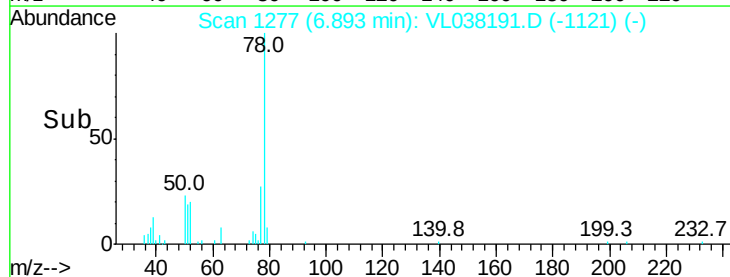
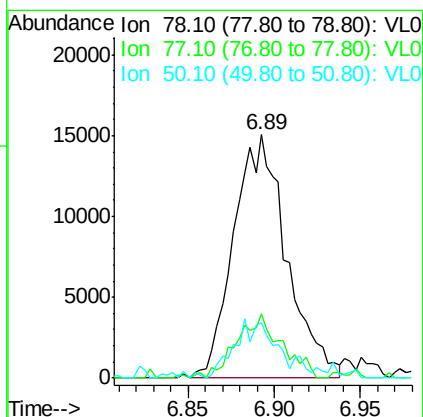
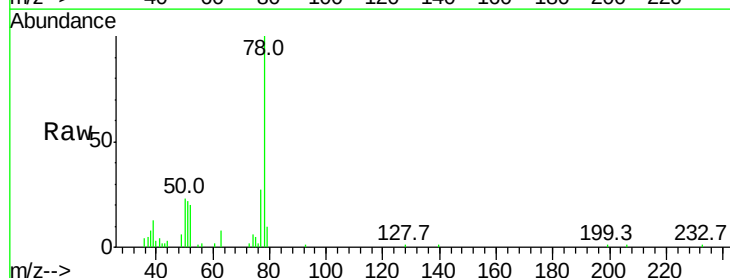
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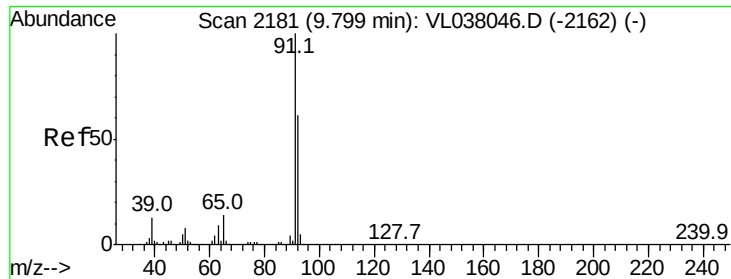
Reviewed By :Amit Patel 12/20/2021
 Supervised By :Mahesh Dadoda 12/20/2021



#36
 Benzene
 Concen: 0.116 ppbv m
 RT: 6.89 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VL038191.D
 Acq: 16 Dec 2021 16:02

Tgt Ion: 78 Resp: 32106
 Ion Ratio Lower Upper
 78 100
 77 26.7 18.2 27.4
 50 23.0 14.7 22.1#





#53

Toluene

Concen: 0.183 ppbv m

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 16:02

Tot Ion:

Ion Ratio

91 100

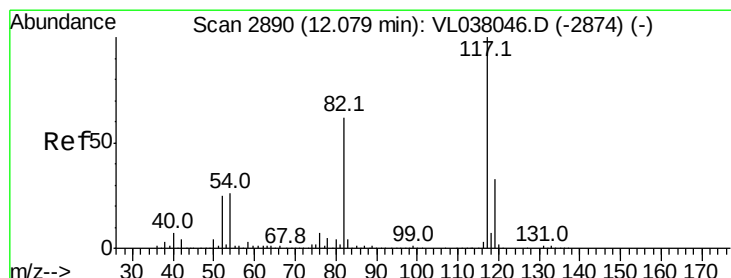
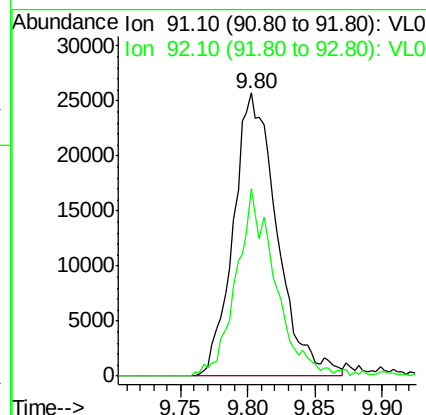
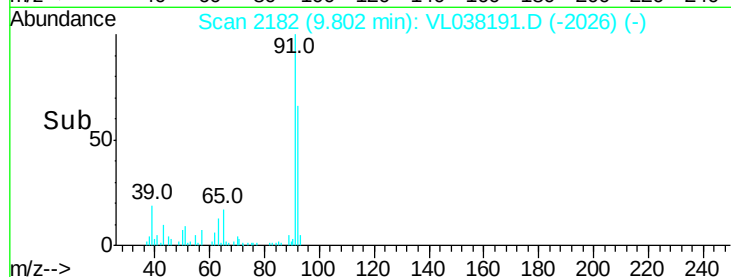
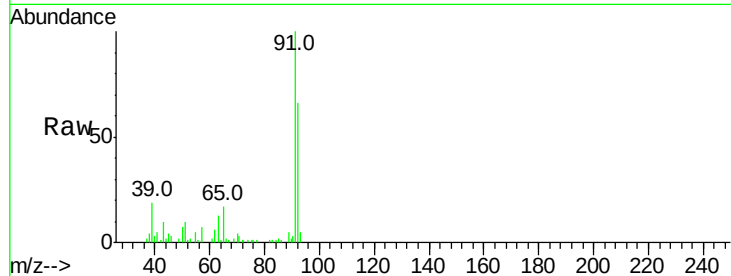
92 59.

Manual Integrations

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Supervised By :Mahesh Dadoda 12/20/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.01 min

Lab File: VL038191.D

Acq: 16 Dec 2021 16:02

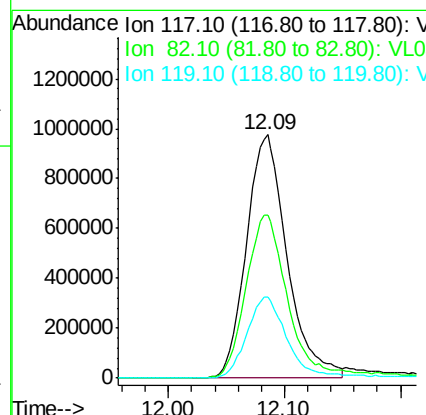
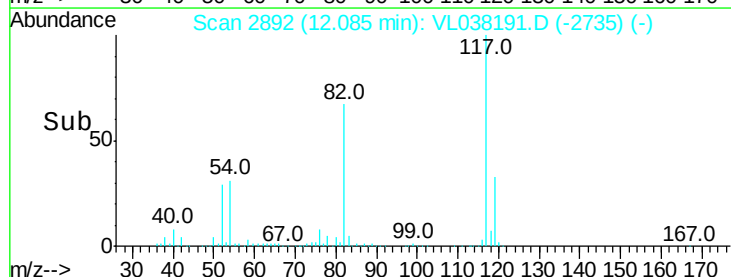
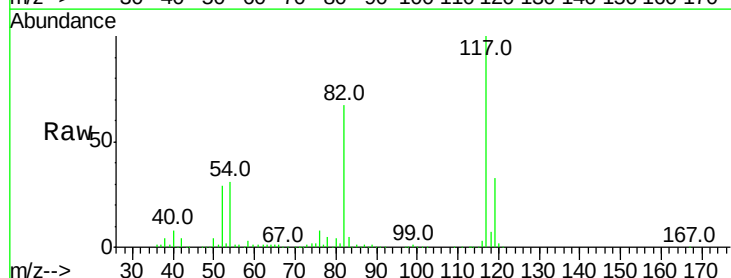
Tgt Ion:117 Resp: 2380685

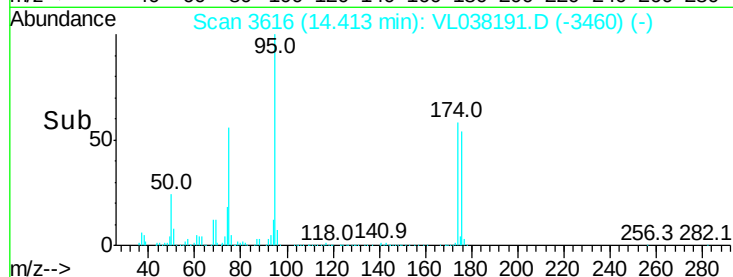
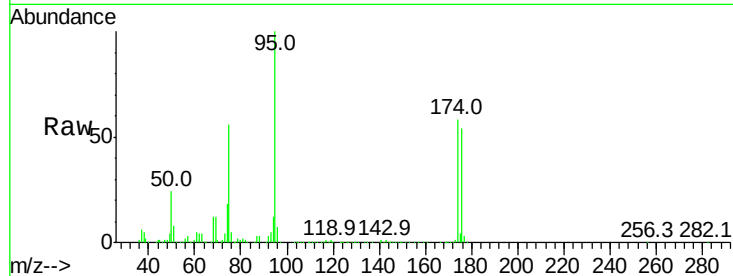
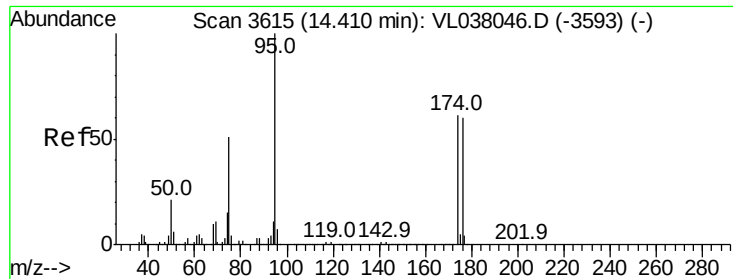
Ion Ratio Lower Upper

117 100

82 71.3 52.8 79.2

119 34.0 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.514 ppbv

RT: 14.41 Instrument:

Delta R.T MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 18:02

Tot Ion:

Ion Ratio

95 100

174 64.

175 4.

Manual Integrations

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Supervised By :Mahesh Dadoda 12/20/2021

