

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038197.D
 Acq On : 16 Dec 2021 20:09
 Operator : SY/AP
 Sample : M5136-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Manual Integrations
 APPROVED

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

Quant Time: Dec 17 06:38:00 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	1053221	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2703044	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2289189	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1732409	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	42834m	5.441	ppbv	
15) Acetone	3.87	43	39090m	0.428	ppbv	
19) Isopropyl Alcohol	3.99	45	65882m	0.999	ppbv	
20) Methylene Chloride	4.35	84	84457	1.651	ppbv	95
24) 1,1-Dichloroethane	5.02	63	27364	0.249	ppbv	98
26) Hexane	5.69	57	35050	0.240	ppbv #	49
32) 1,1,1-Trichloroethane	6.52	97	133580	0.611	ppbv	95

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821

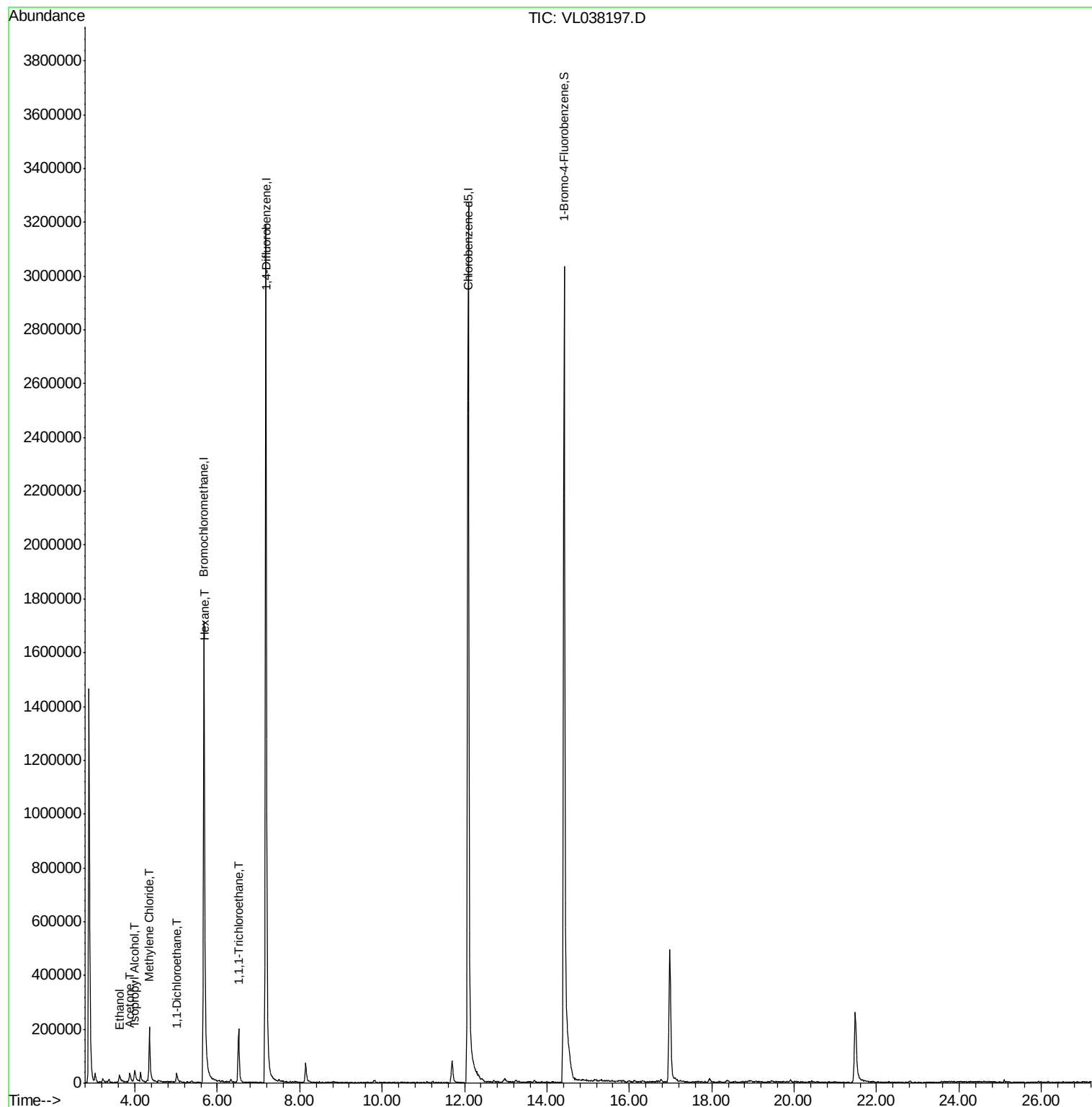
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

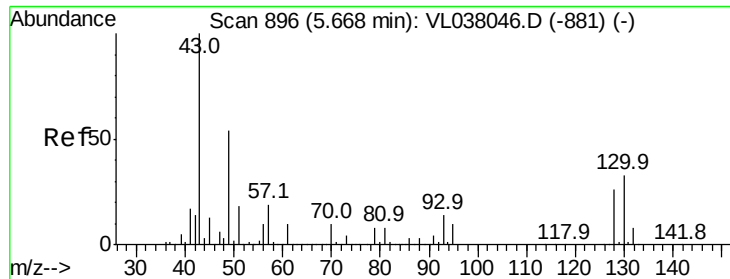
QLast Update : Thu Nov 18 13:16:09 2021

Response via : Initial Calibration

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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 20:09

Tot Ion:

Ion Ratio

49 100

128 46.

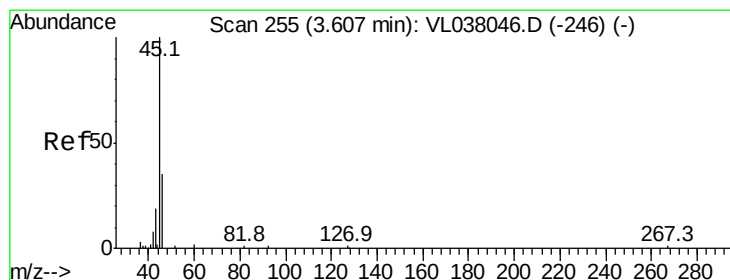
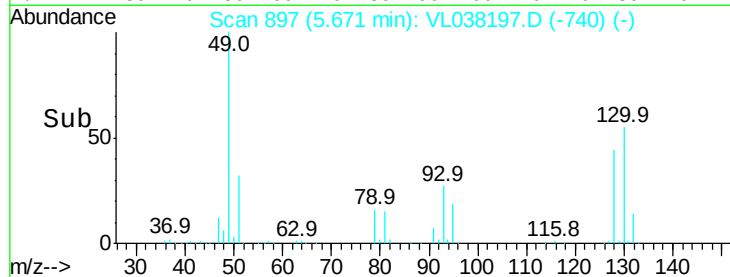
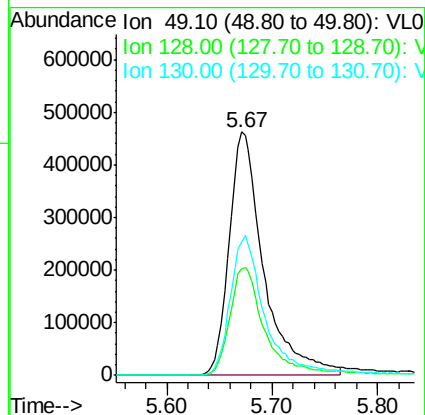
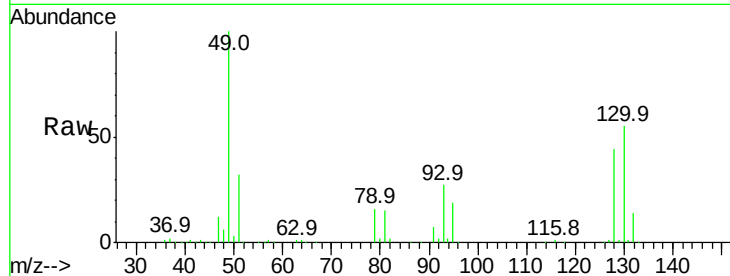
130 59.

Manual Integrations

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Reviewed By :Amit Patel 12/20/2021

Supervised By :Mahesh Dadoda 12/20/2021



#13

Ethanol

Concen: 5.441 ppbv m

RT: 3.63 min Scan# 261

Delta R.T. 0.02 min

Lab File: VL038197.D

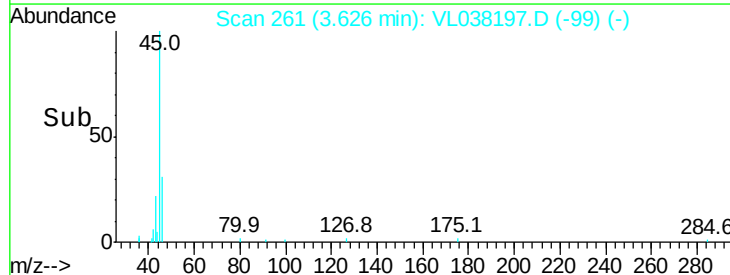
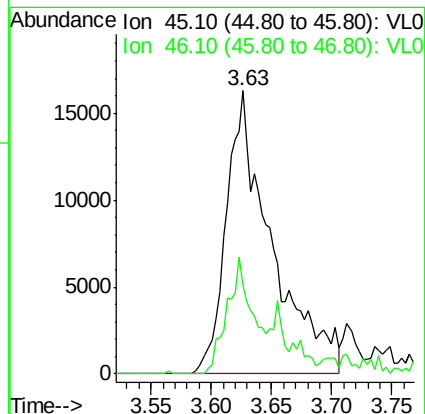
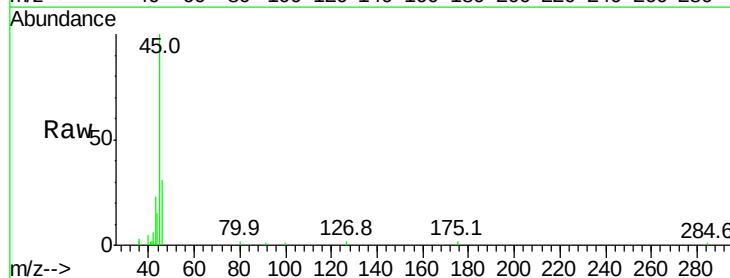
Acq: 16 Dec 2021 20:09

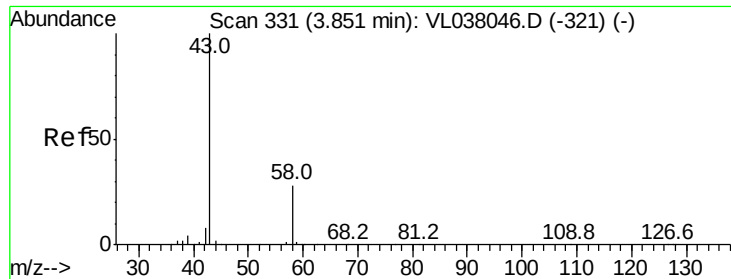
Tgt Ion: 45 Resp: 42834

Ion Ratio Lower Upper

45 100

46 35.8 17.6 70.2





#15

Acetone

Concen: 0.428 ppbv m

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 20:09

Tot Ion:

Ion Ratio

43 100

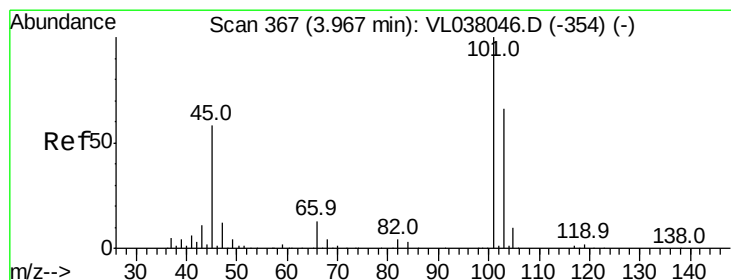
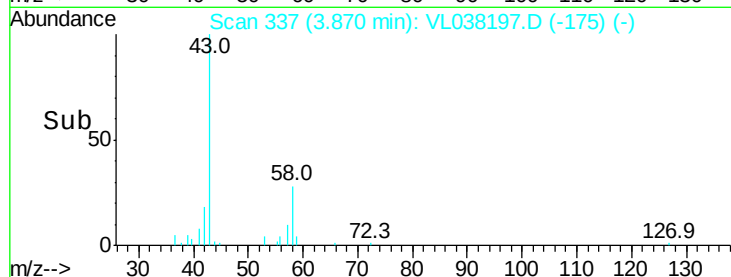
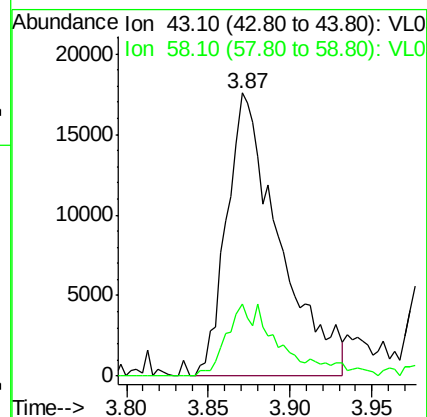
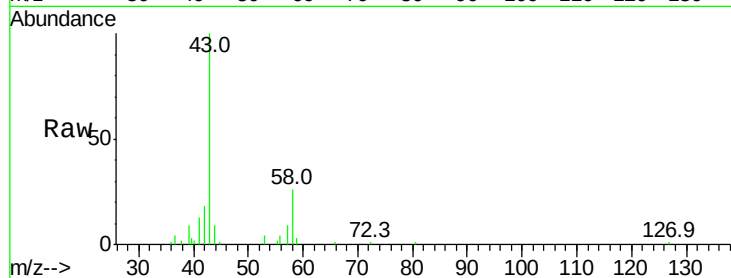
58 26.

Manual Integrations

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Reviewed By :Amit Patel 12/20/2021

Supervised By :Mahesh Dadoda 12/20/2021



#19

Isopropyl Alcohol

Concen: 0.999 ppbv m

RT: 3.99 min Scan# 374

Delta R.T. 0.02 min

Lab File: VL038197.D

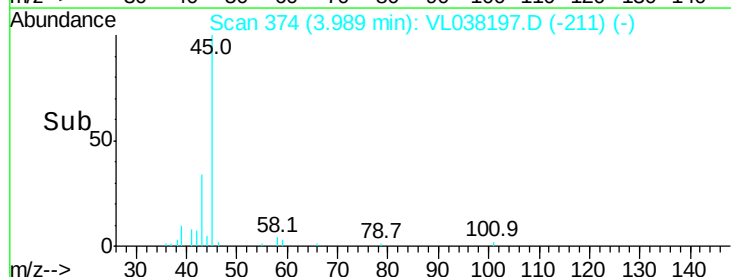
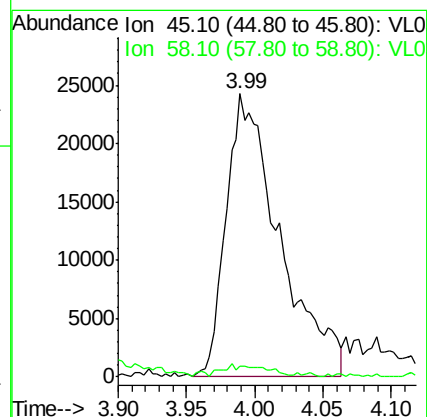
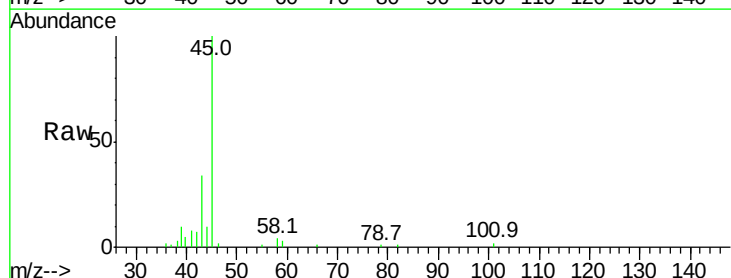
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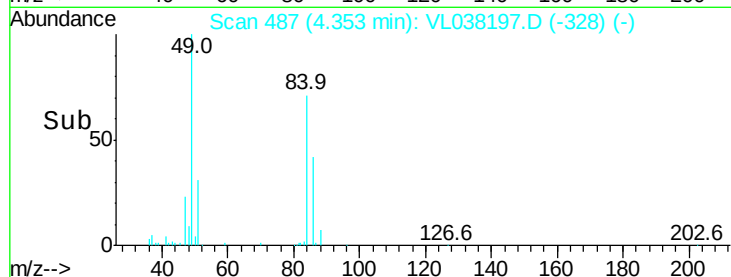
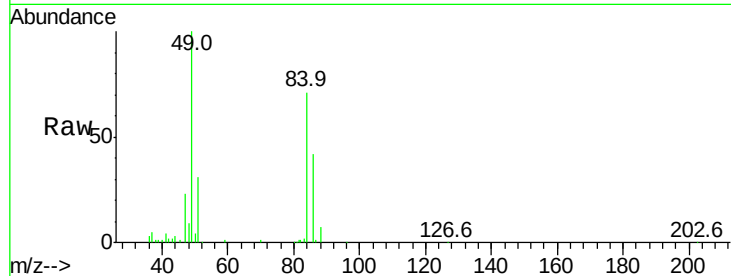
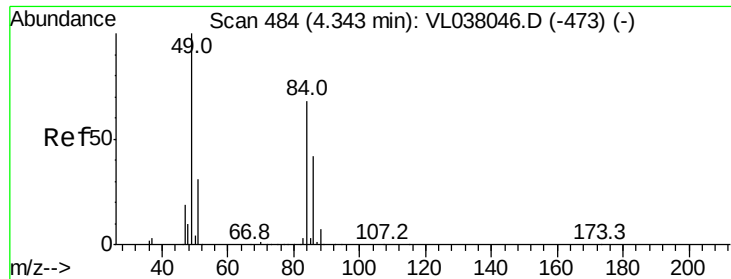
Tgt Ion: 45 Resp: 65882

Ion Ratio Lower Upper

45 100

58 4.4 1.4 2.0#



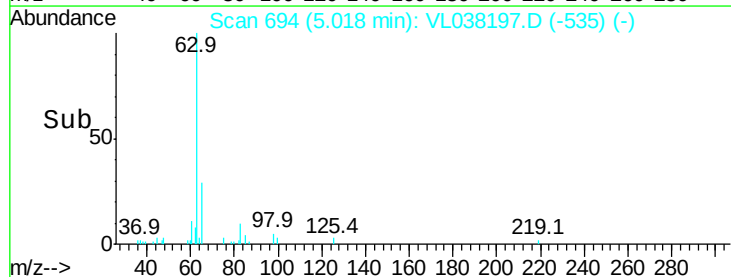
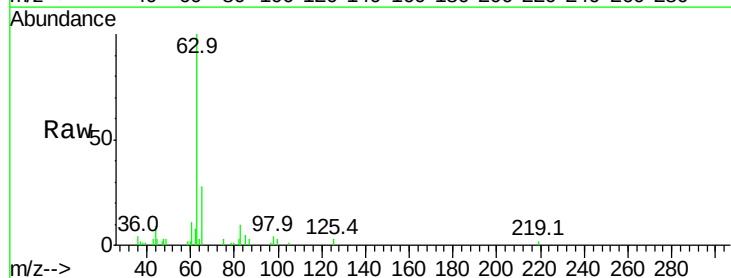
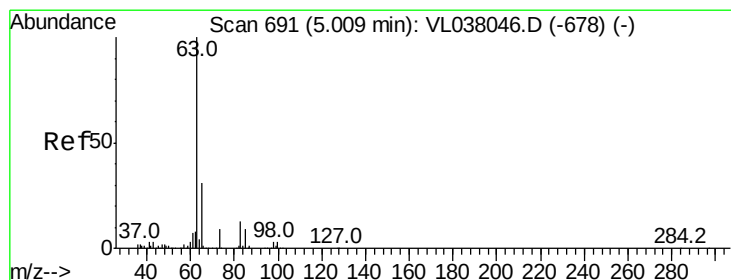
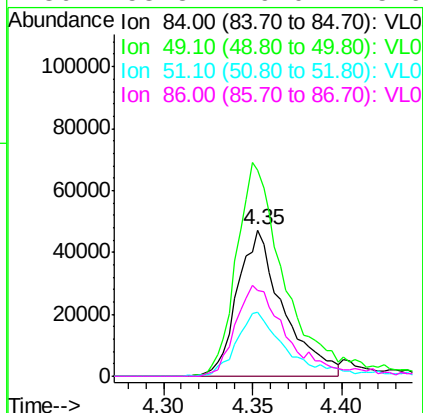


#20
Methylene Chloride
Concen: 1.651 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Dec 2021 20:09

Tot Ion:
Ion Ratio
84 100
49 141.
51 43.
86 58.8 49.0 73.6

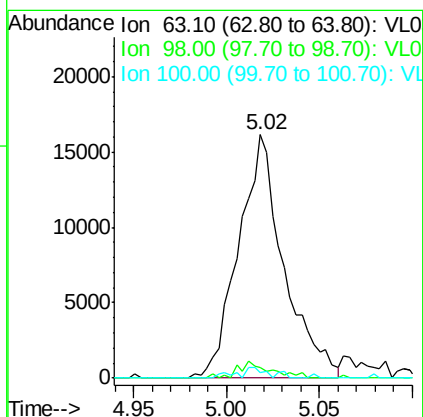
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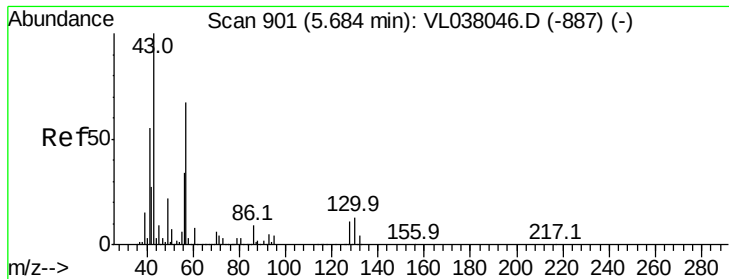
Reviewed By :Amit Patel 12/20/2021
Supervised By :Mahesh Dadoda 12/20/2021



#24
1,1-Dichloroethane
Concen: 0.249 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.01 min
Lab File: VL038197.D
Acq: 16 Dec 2021 20:09

Tgt Ion: 63 Resp: 27364
Ion Ratio Lower Upper
63 100
98 4.5 1.8 5.4
100 2.5 1.4 4.0



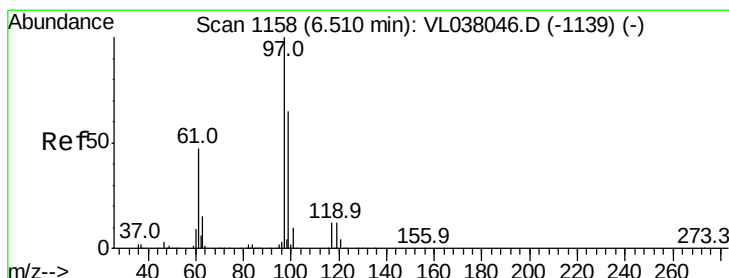
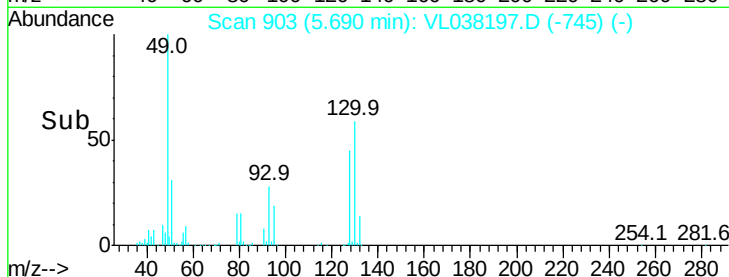
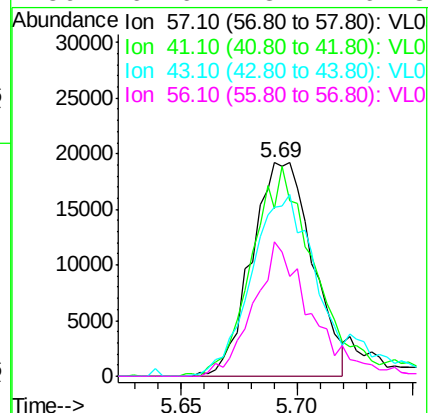
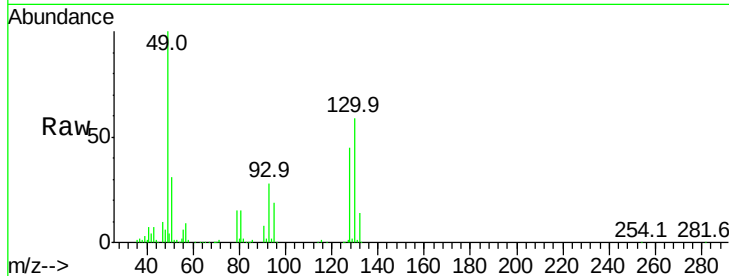


#26
Hexane
Concen: 0.240 ppbv
RT: 5.69
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Dec 2021 20:09

Tot Ion:
Ion Ratio
57 100
41 108.
43 101.
56 61.6 43.2 64.8

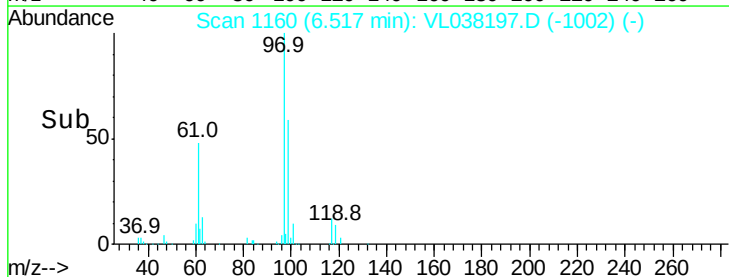
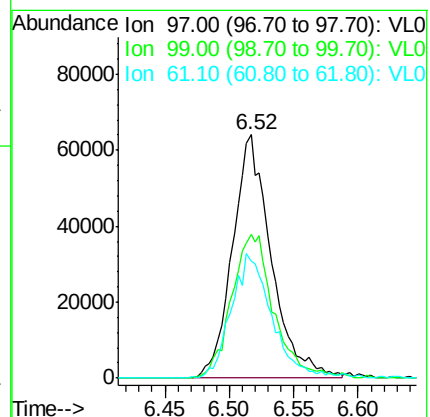
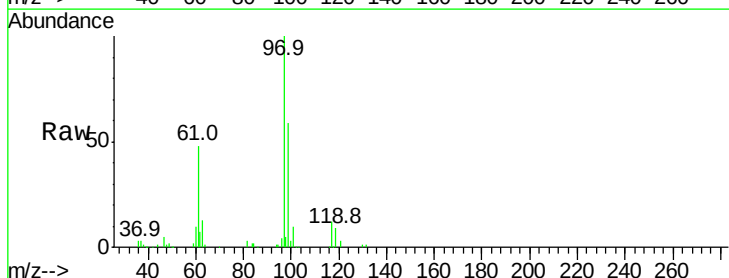
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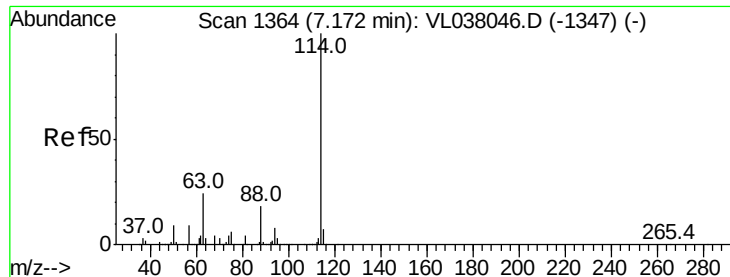
Reviewed By :Amit Patel 12/20/2021
Supervised By :Mahesh Dadoda 12/20/2021



#32
1,1,1-Trichloroethane
Concen: 0.611 ppbv
RT: 6.52 min Scan# 1160
Delta R.T.: 0.01 min
Lab File: VL038197.D
Acq: 16 Dec 2021 20:09

Tgt Ion: 97 Resp: 133580
Ion Ratio Lower Upper
97 100
99 64.8 52.2 78.4
61 53.9 37.7 56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18

Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId: MDDL

Acq: 16 Dec 2021 20:09

Tot Ion:1

Ion Ratio

114 100

63 27.

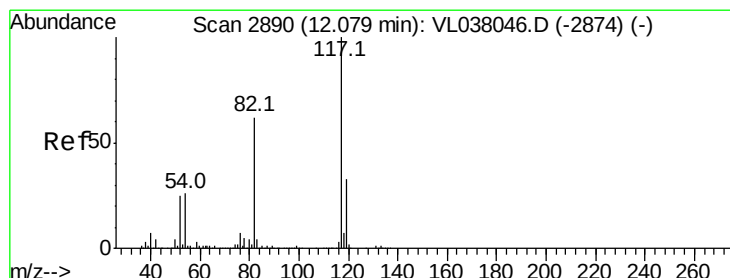
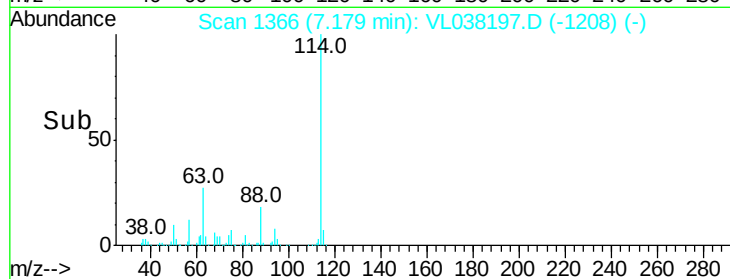
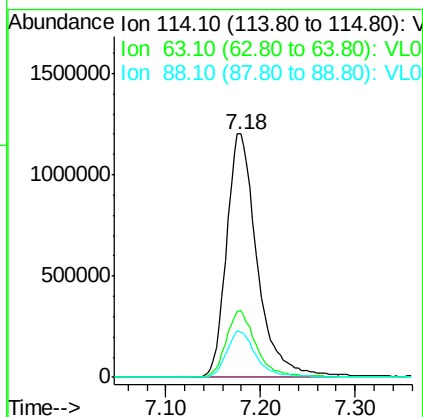
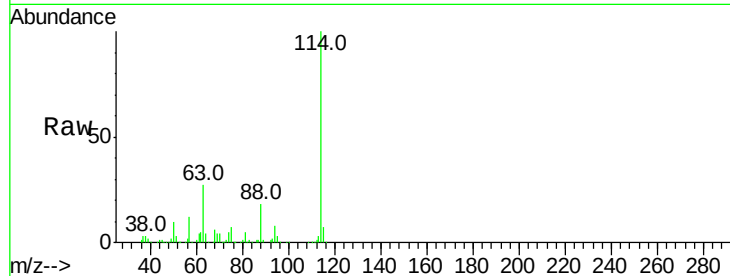
88 18.

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: VL038197.D

Acq: 16 Dec 2021 20:09

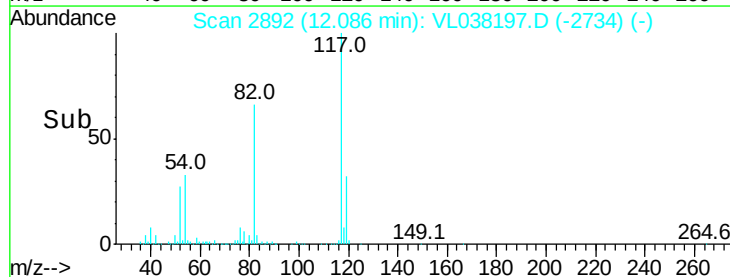
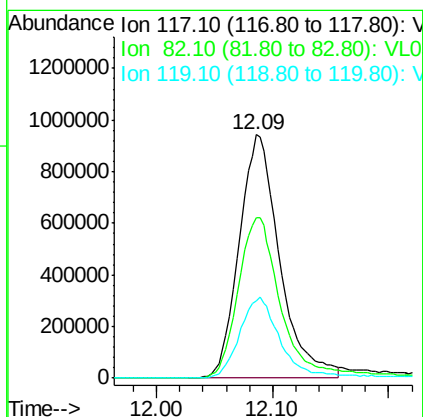
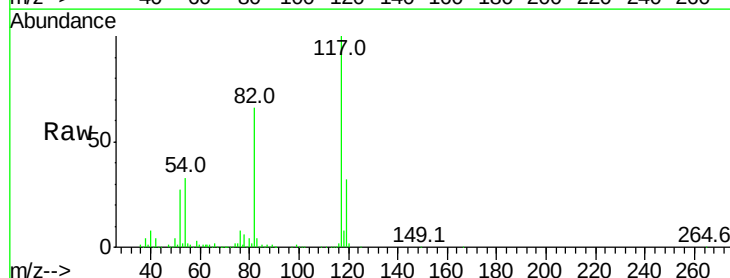
Tgt Ion:117 Resp: 2289189

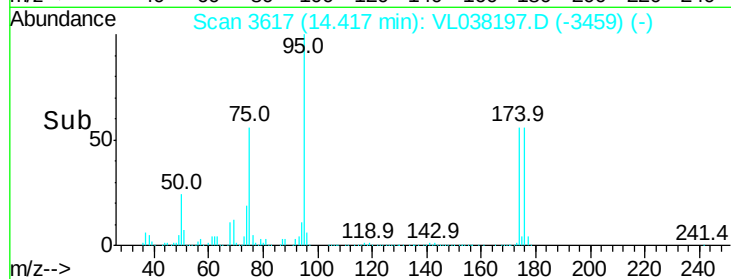
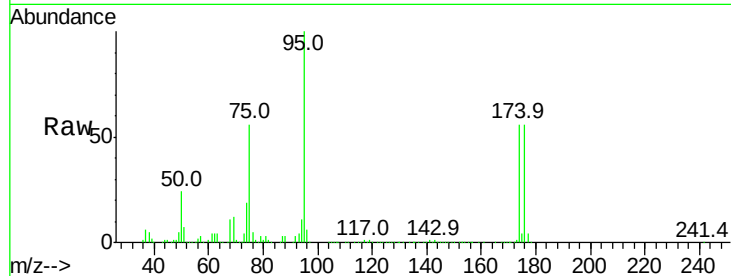
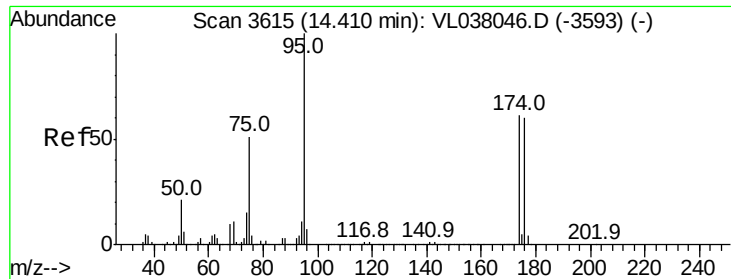
Ion Ratio Lower Upper

117 100

82 73.5 52.8 79.2

119 34.3 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.492 ppbv

RT: 14.42

Delta R.T

Lab File: ClientSampleId :

Acq: 16 Dec 2021 20:09

Tot Ion:

Ion Ratio

95 100

174 63.

175 4.

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 12/20/2021

