

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038189.D
 Acq On : 16 Dec 2021 14:43
 Operator : SY/AP
 Sample : M5117-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 17 05:49:49 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	1079193	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2821518	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2385123	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1870056	10.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	28498m	0.126	ppbv	
9) Propene	3.03	41	59676m	0.715	ppbv	
13) Ethanol	3.62	45	196439m	24.354	ppbv	
15) Acetone	3.86	43	53282m	0.569	ppbv	
19) Isopropyl Alcohol	3.98	45	31447m	0.465	ppbv	
20) Methylene Chloride	4.35	84	159989	3.053	ppbv	94
26) Hexane	5.69	57	95728	0.639	ppbv #	44
53) Toluene	9.81	91	33800	0.104	ppbv	99

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

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

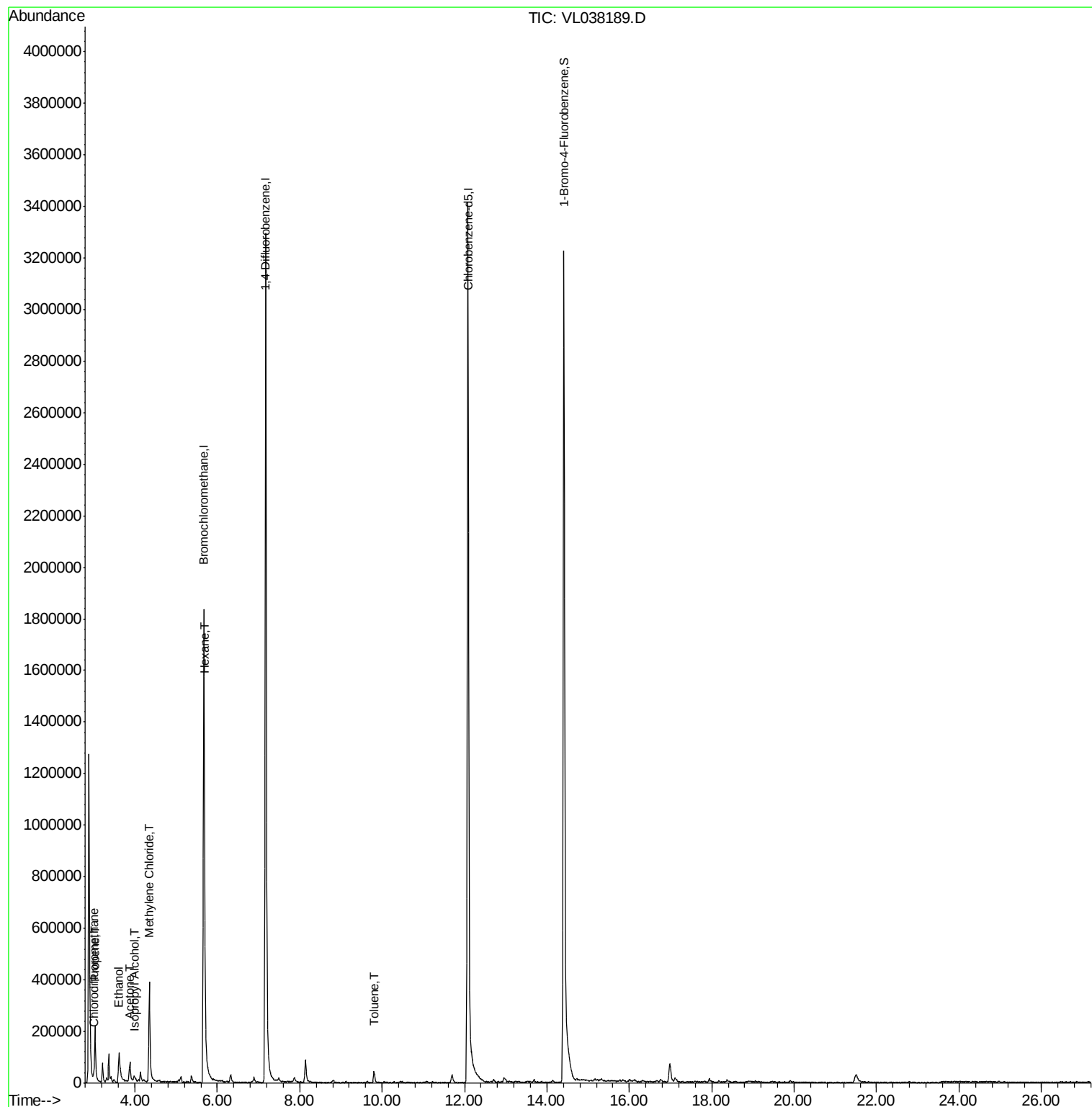
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

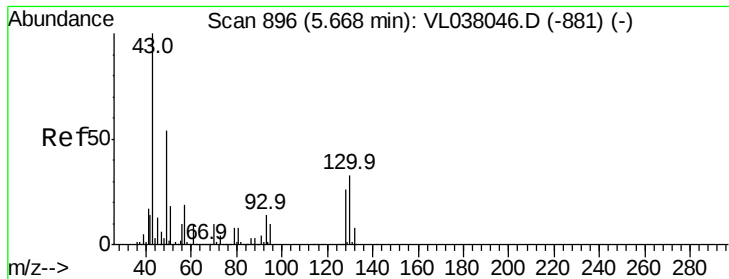
QLast Update : Thu Nov 18 13:16:09 2021

Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 14:43

Tot Ion:

Ion Ratio

49 100

128 47.

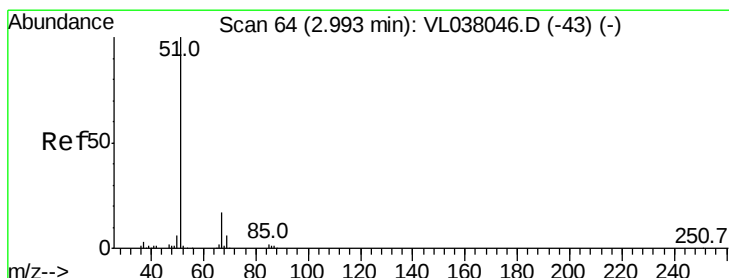
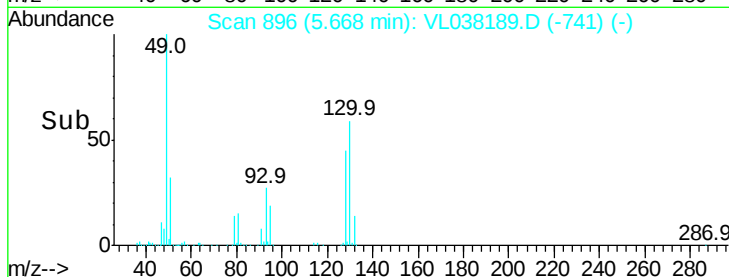
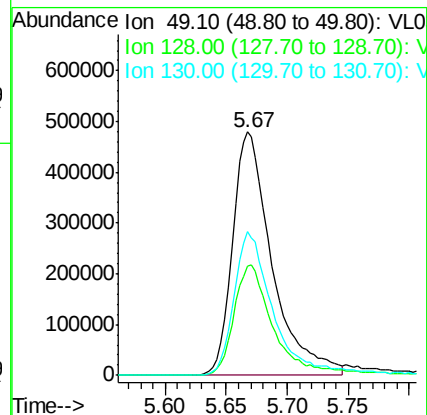
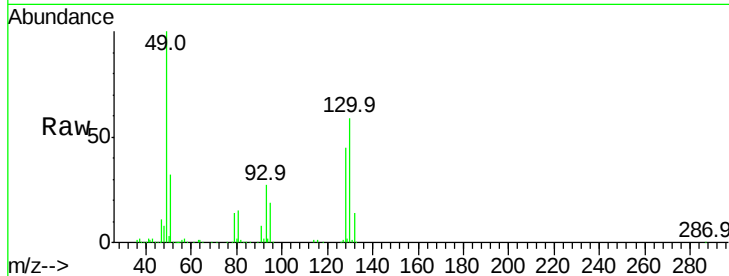
130 60.

Manual Integrations

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Supervised By :Mahesh Dadoda 12/20/2021



#3

Chlorodifluoromethane

Concen: 0.126 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL038189.D

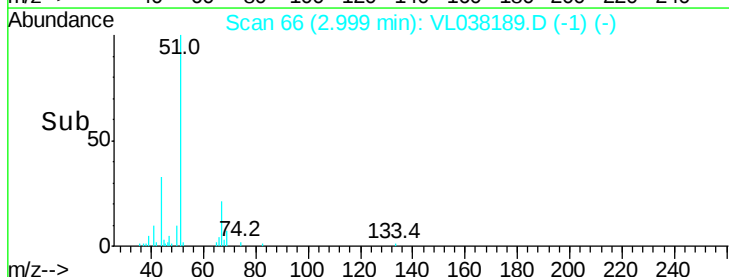
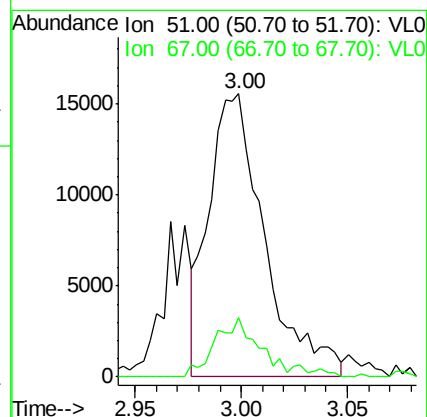
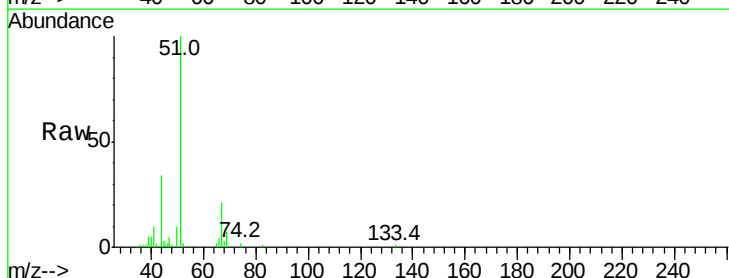
Acq: 16 Dec 2021 14:43

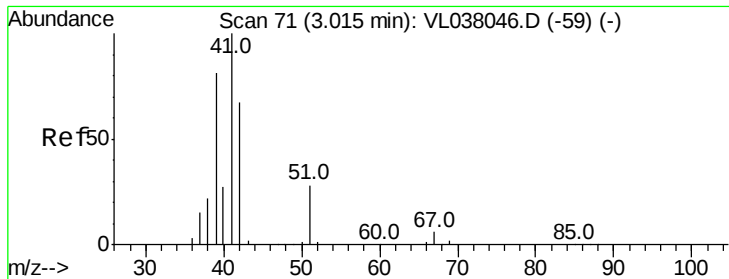
Tgt Ion: 51 Resp: 28498

Ion Ratio Lower Upper

51 100

67 17.8 13.8 20.8





#9

Propene

Concen: 0.715 ppbv m

RT: 3.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 14:43

Tot Ion:

Ion Ratio

41 100

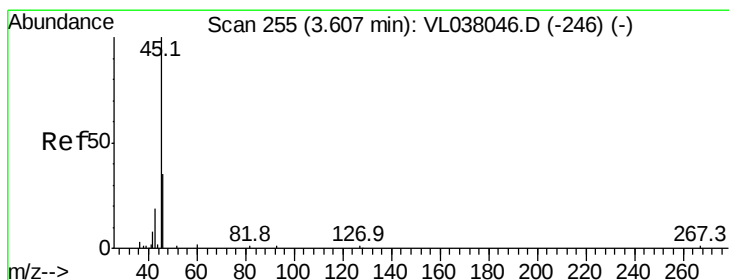
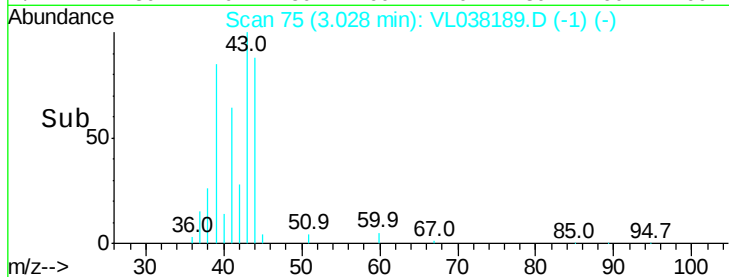
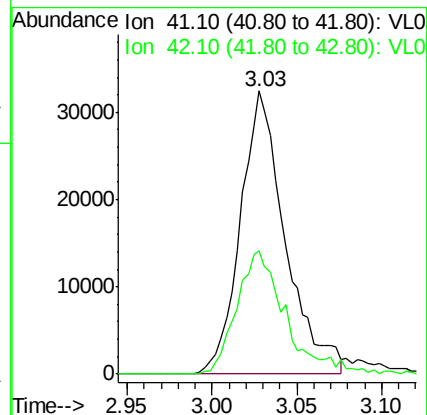
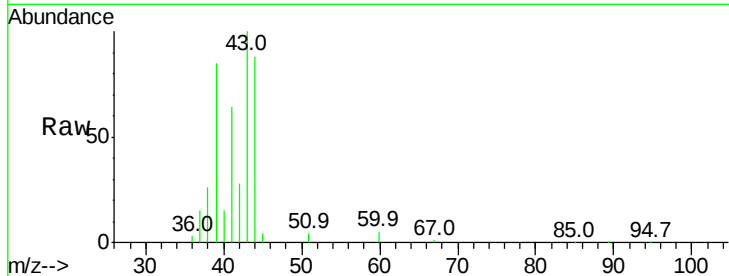
42 30.

Manual Integrations

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Reviewed By :Amit Patel 12/20/2021

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#13

Ethanol

Concen: 24.354 ppbv m

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL038189.D

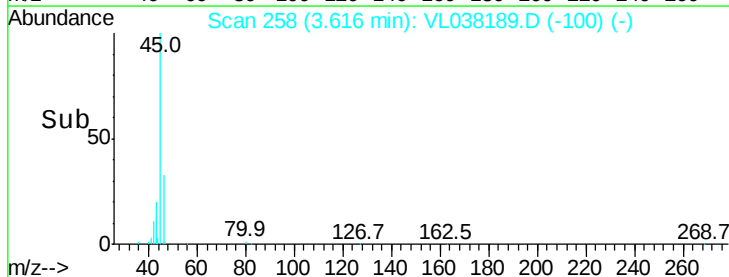
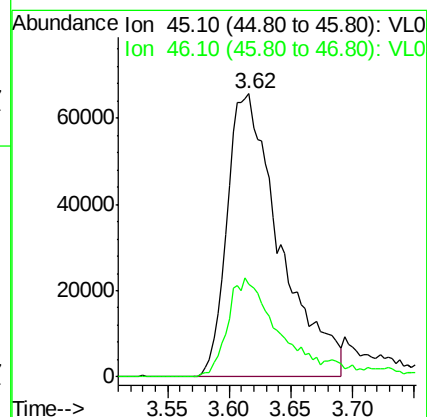
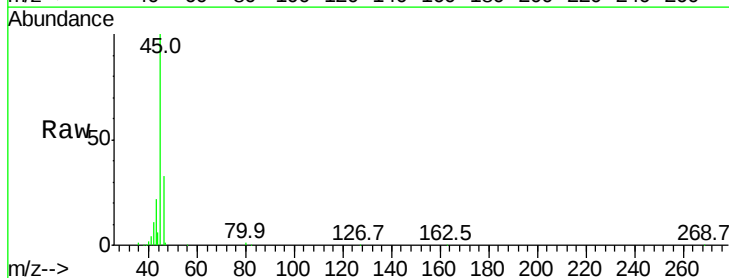
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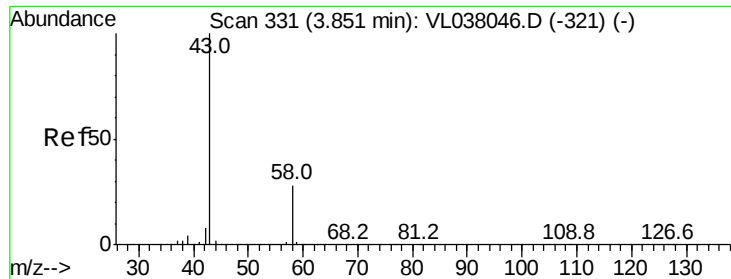
Tgt Ion: 45 Resp: 196439

Ion Ratio Lower Upper

45 100

46 38.1 17.6 70.2





#15

Acetone

Concen: 0.569 ppbv m

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 14:43

Tot Ion:

Ion Ratio

43 100

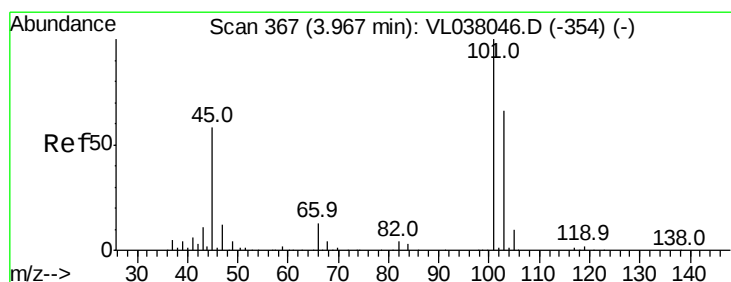
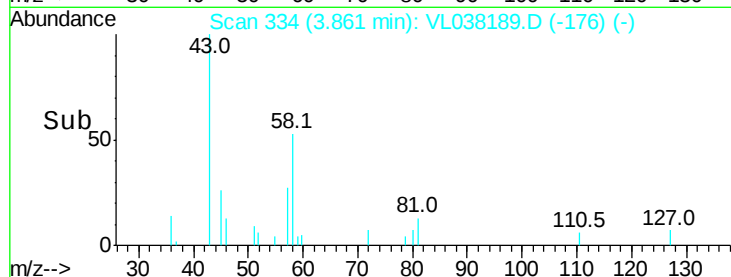
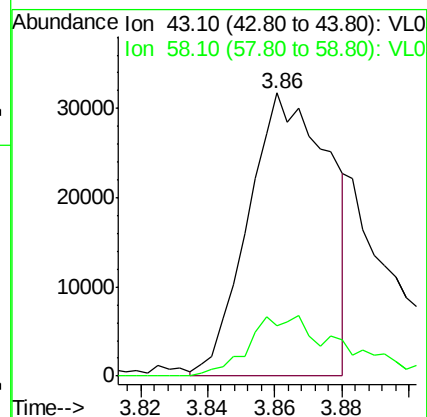
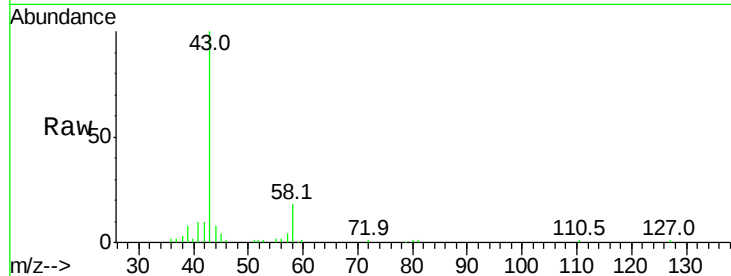
58 29.

Manual Integrations

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Reviewed By :Amit Patel 12/20/2021

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#19

Isopropyl Alcohol

Concen: 0.465 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.02 min

Lab File: VL038189.D

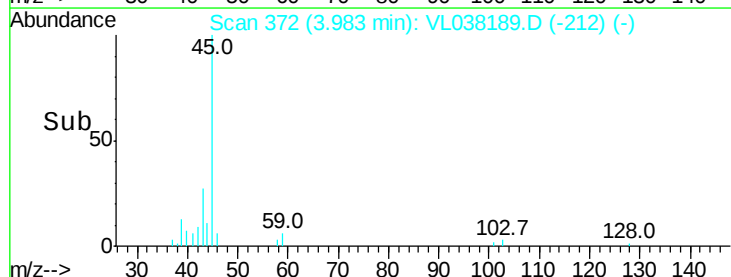
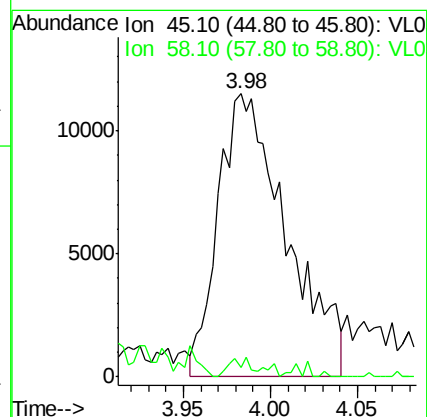
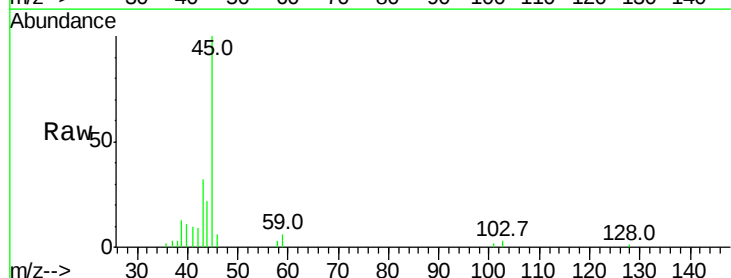
Acq: 16 Dec 2021 14:43

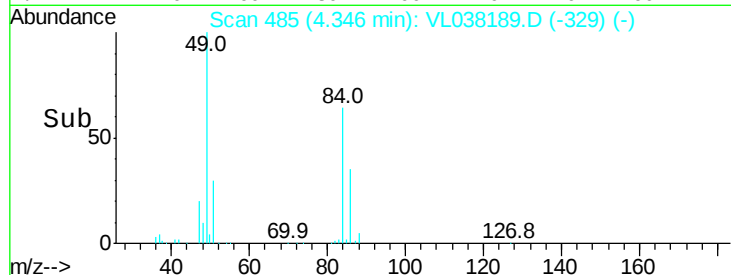
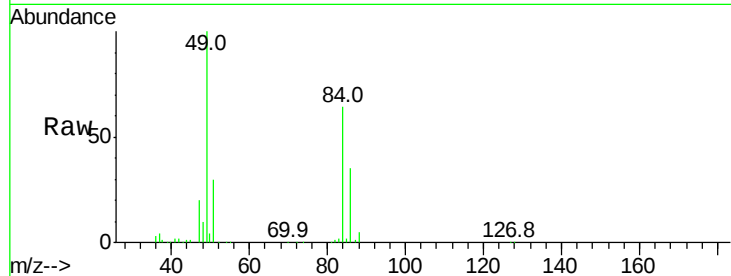
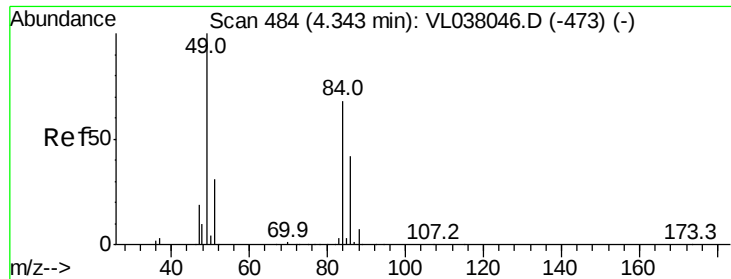
Tgt Ion: 45 Resp: 31447

Ion Ratio Lower Upper

45 100

58 3.7 1.4 2.0#



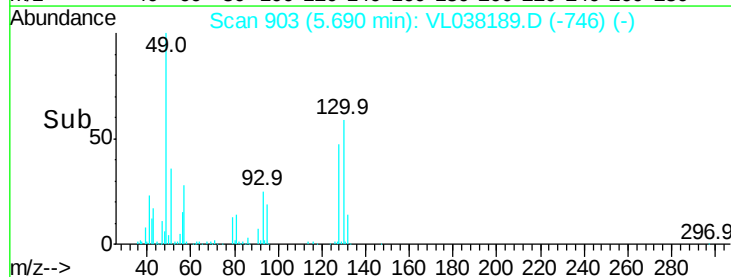
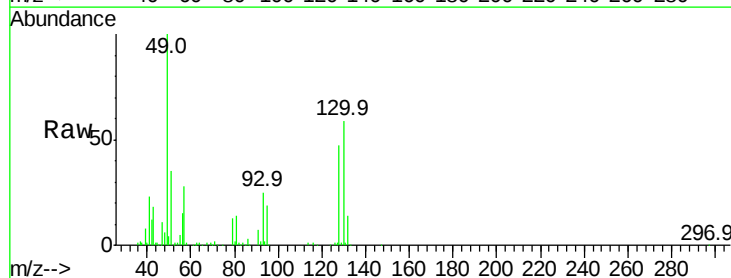
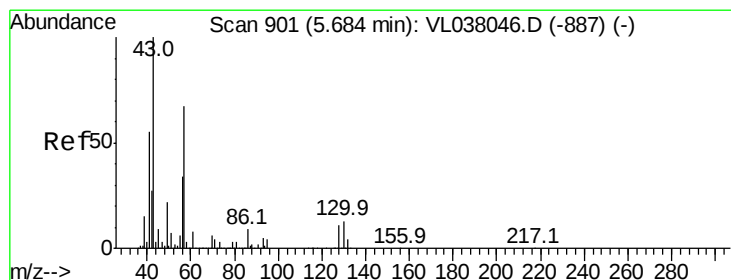
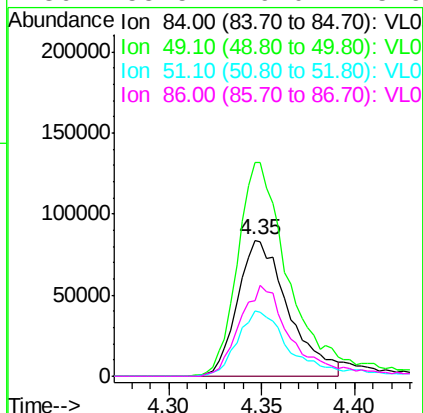


#20
Methvlene Chloride
Concen: 3.053 ppbv
RT: 4.35
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 16 Dec 2021 14:43

Tot Ion:
Ion Ratio
84 100
49 156.
51 47.
86 55.5 49.0 73.6

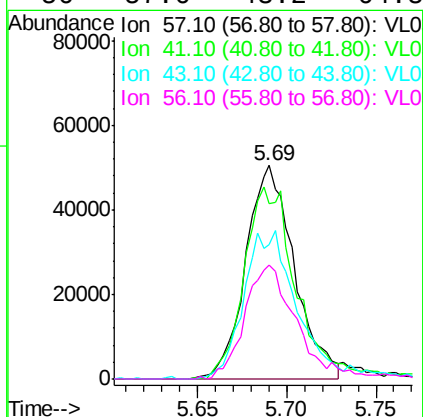
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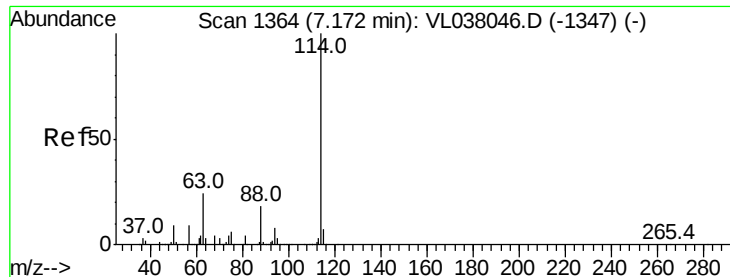
Reviewed By :Amit Patel 12/20/2021
Supervised By :Mahesh Dadoda 12/20/2021



#26
Hexane
Concen: 0.639 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL038189.D
Acq: 16 Dec 2021 14:43

Tgt Ion: 57 Resp: 95728
Ion Ratio Lower Upper
57 100
41 99.1 71.4 107.2
43 78.7 174.6 261.8#
56 57.6 43.2 64.8



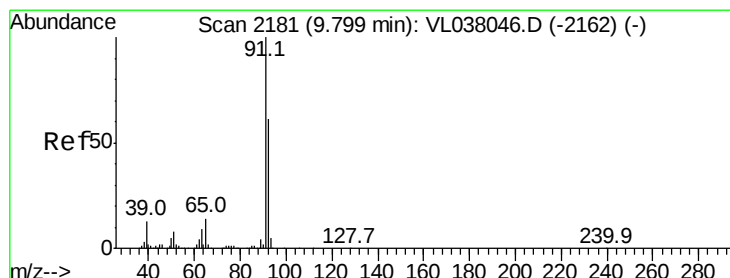
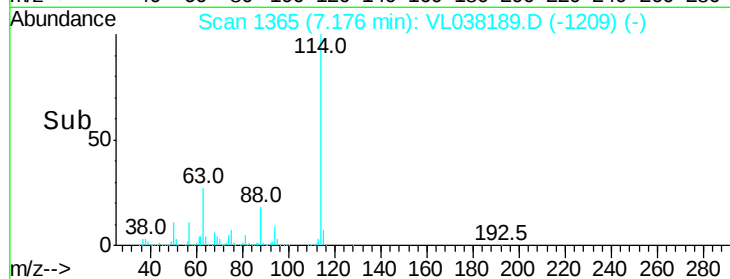
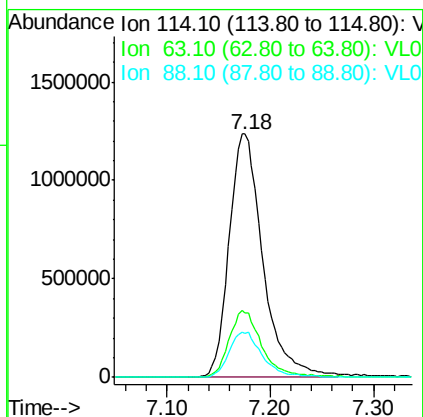
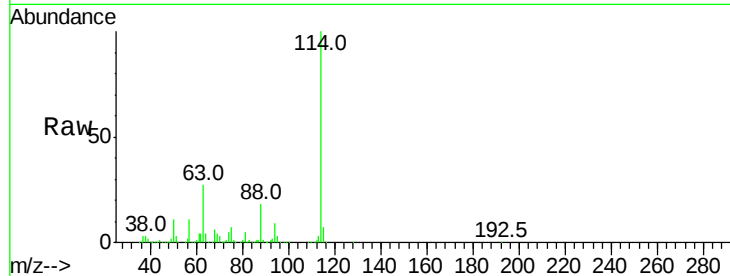


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument : MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 14:43

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

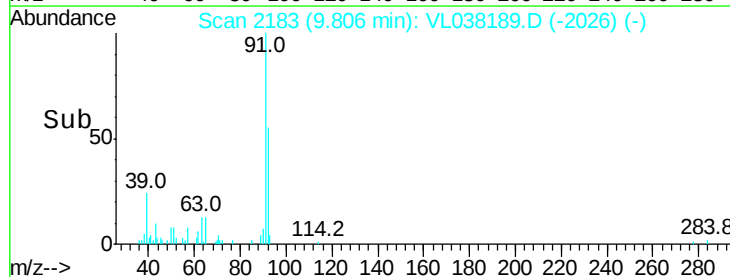
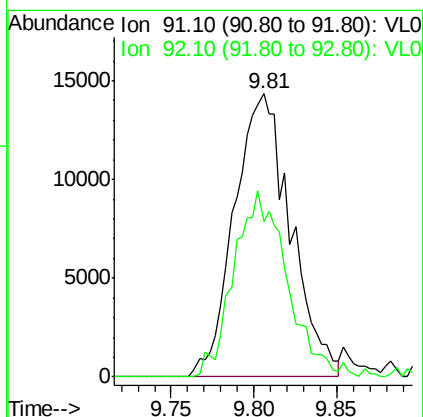
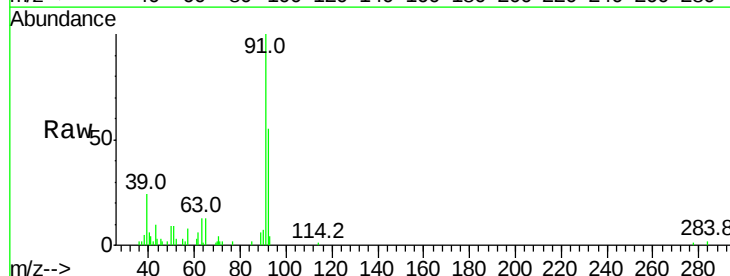
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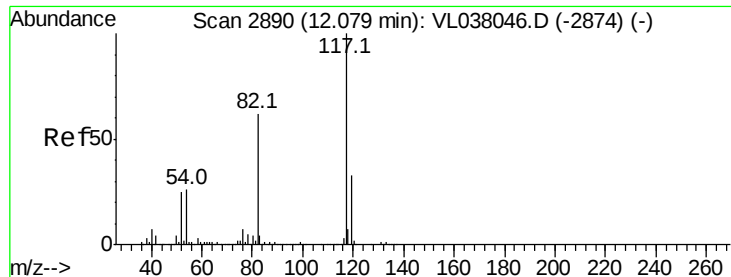
Reviewed By :Amit Patel 12/20/2021
 Supervised By :Mahesh Dadoda 12/20/2021



#53
 Toluene
 Concen: 0.104 ppbv
 RT: 9.81 min Scan# 2183
 Delta R.T. 0.01 min
 Lab File: VL038189.D
 Acq: 16 Dec 2021 14:43

Tgt Ion: 91 Resp: 33800
 Ion Ratio Lower Upper
 91 100
 92 62.6 49.7 74.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA_L

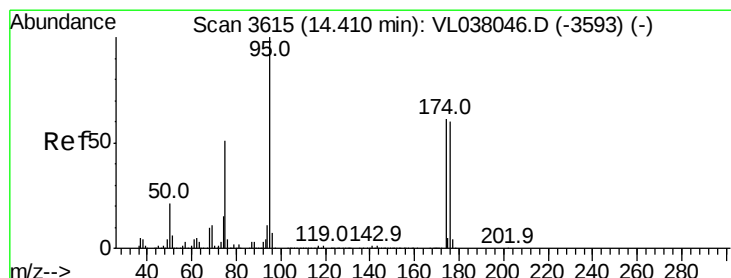
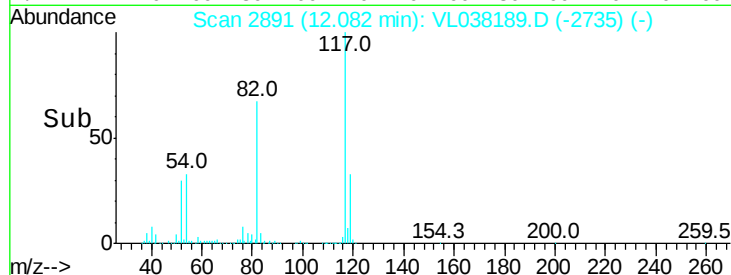
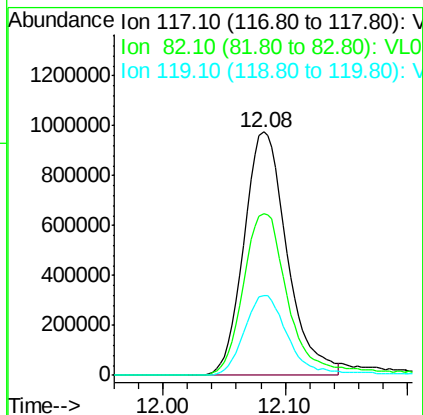
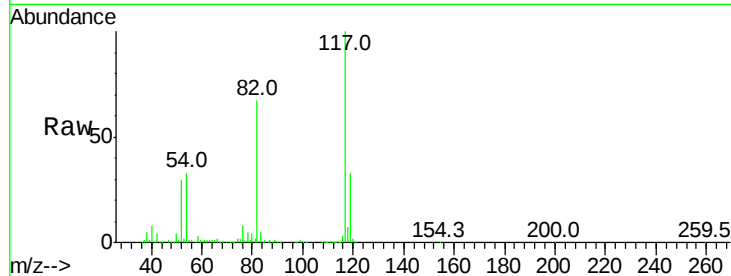
Lab File: ClientSampleId :

Acq: 16 Dec 2021 14:43

Tot Ion:1
Ion Rati
117 100
82 72.
119 35.

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



#68

1-Bromo-4-Fluorobenzene

Concen: 10.870 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.00 min

Lab File: VL038189.D

Acq: 16 Dec 2021 14:43

Tgt Ion: 95 Resp: 1870056
Ion Ratio Lower Upper
95 100
174 62.9 53.1 79.7
175 4.6 4.0 6.0

