

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122121\
 Data File : VL038228.D
 Acq On : 22 Dec 2021 00:54
 Operator : SY/AP
 Sample : M5118-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 OA-1DL

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021

Quant Time: Dec 22 08:50:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	747379	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2023208	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	1759117	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1407729	10.38	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	8237	0.151	ppbv	92
13) Ethanol	3.65	45	13916m	1.505	ppbv	
15) Acetone	3.89	43	40405m	0.539	ppbv	
19) Isopropyl Alcohol	4.03	45	4824m	0.103	ppbv	
20) Methylene Chloride	4.37	84	125530	2.964	ppbv	95
26) Hexane	5.71	57	45392	0.445	ppbv #	43

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

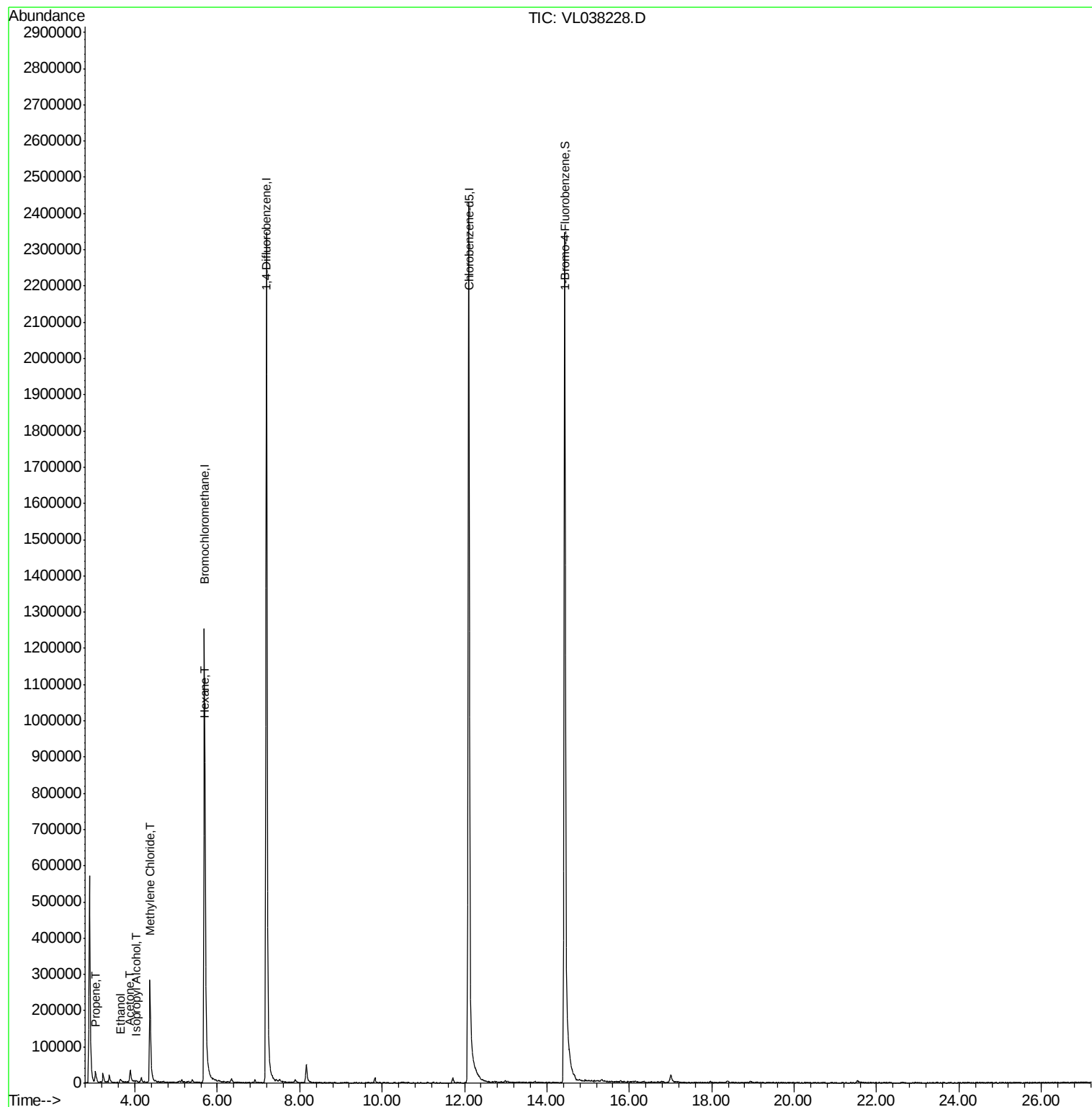
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL122121\
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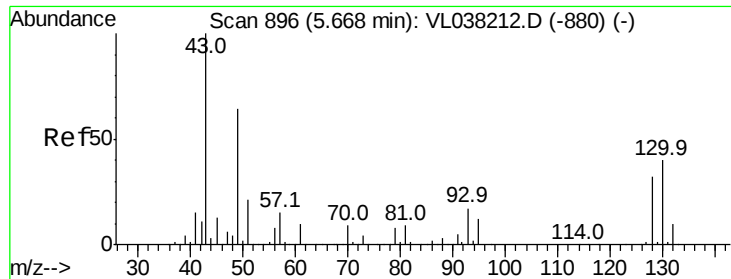
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

Manual Integrations
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Dec 2021 00:54

Tot Ion:

Ion Ratio

49 100

128 47.

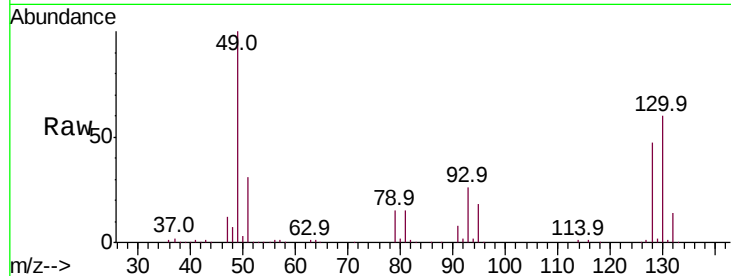
130 61.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

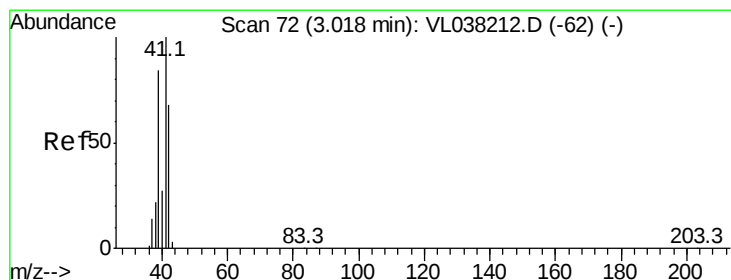
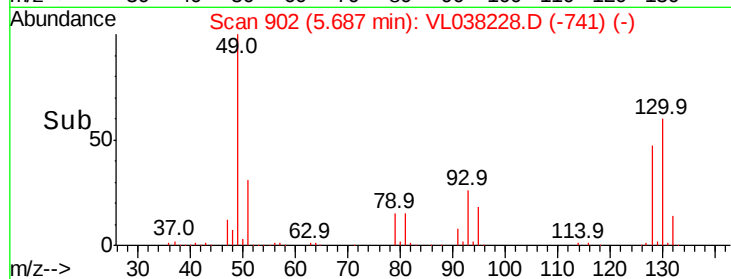
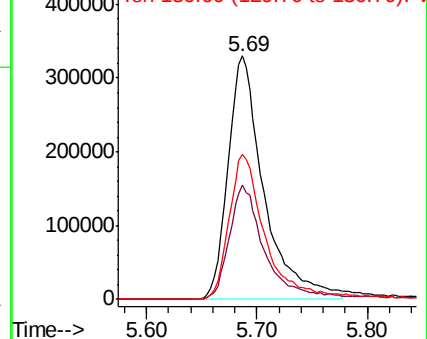
Supervised By :Mahesh Dadoda 12/29/2021



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.151 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.03 min

Lab File: VL038228.D

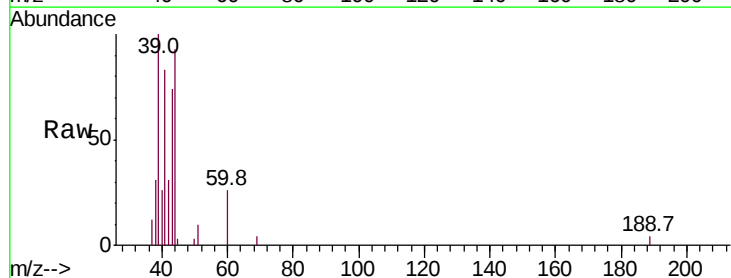
Acq: 22 Dec 2021 00:54

Tgt Ion: 41 Resp: 8237

Ion Ratio Lower Upper

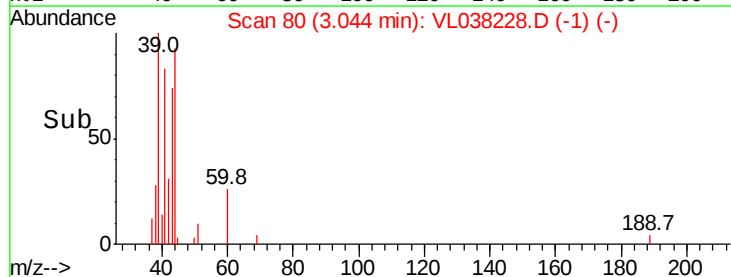
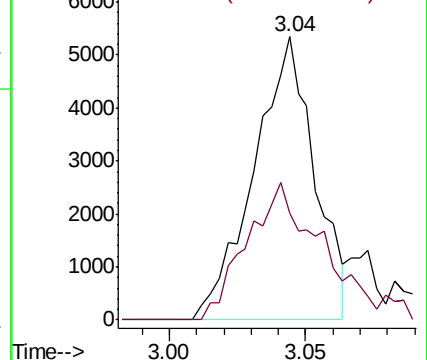
41 100

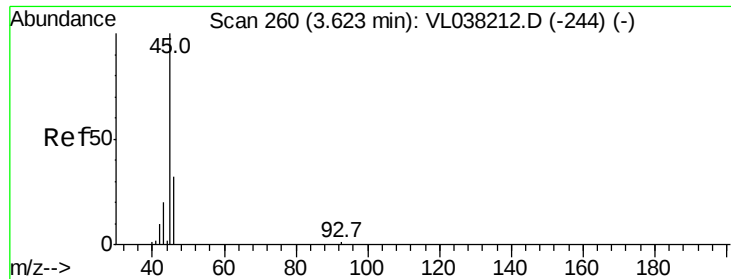
42 63.1 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 1.505 ppbv m

RT: 3.65 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 22 Dec 2021 00:54

Tot Ion:

Ion Ratio

45 100

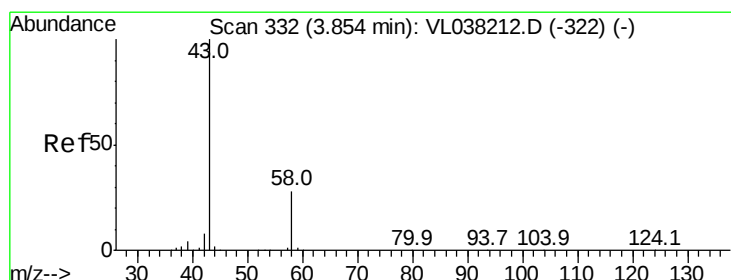
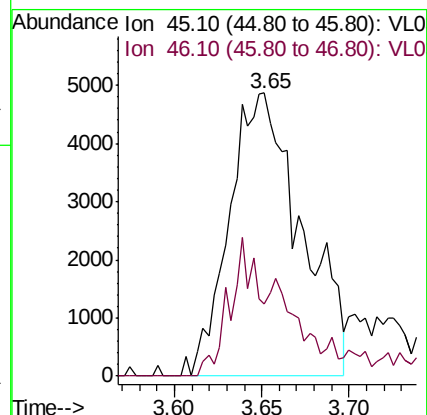
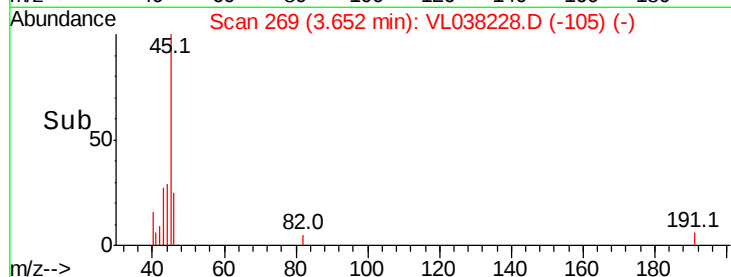
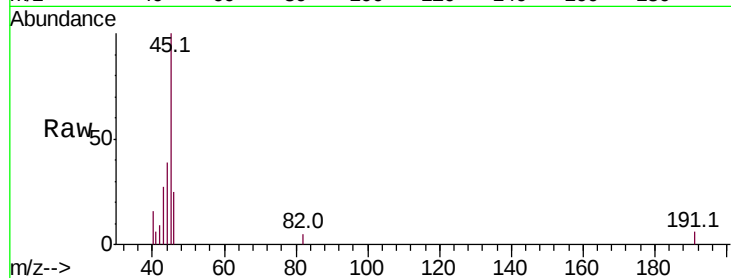
46 38.

Manual Integrations

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Reviewed By :Amit Patel 12/22/2021

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#15

Acetone

Concen: 0.539 ppbv m

RT: 3.89 min Scan# 342

Delta R.T. 0.03 min

Lab File: VL038228.D

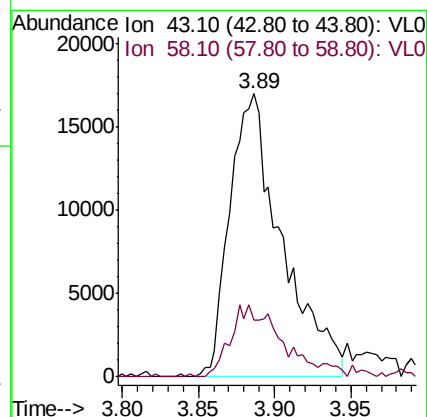
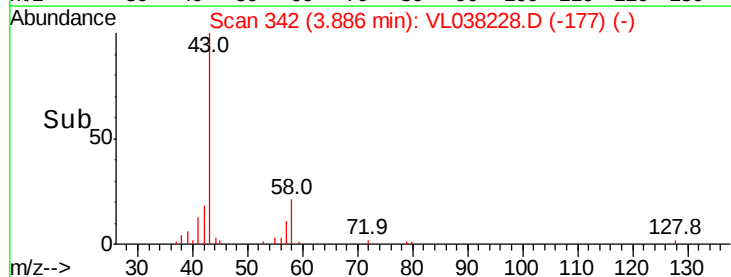
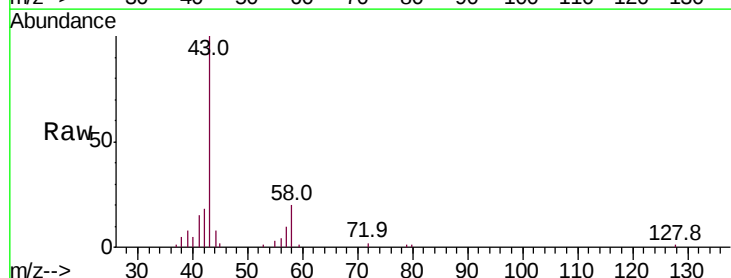
Acq: 22 Dec 2021 00:54

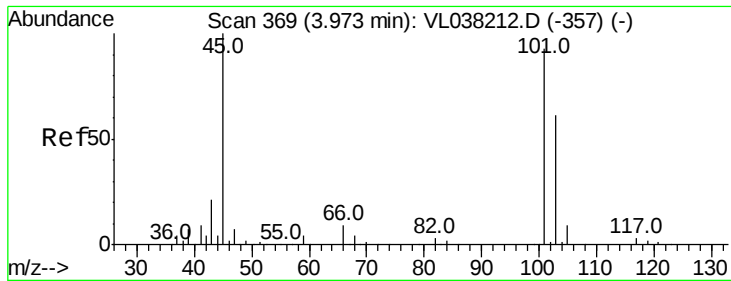
Tgt Ion: 43 Resp: 40405

Ion Ratio Lower Upper

43 100

58 26.5 23.3 34.9





#19

Isopropyl Alcohol

Concen: 0.103 ppbv m

RT: 4.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Dec 2021 00:54

Tot Ion:

Ion Ratio

45 100

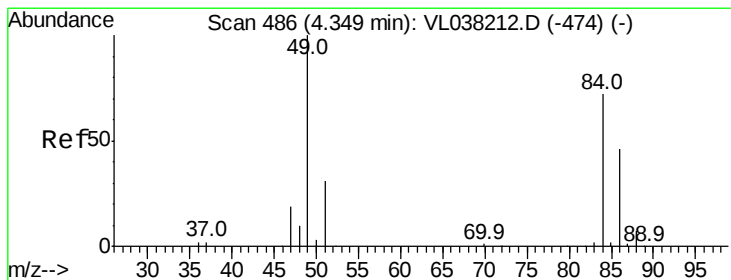
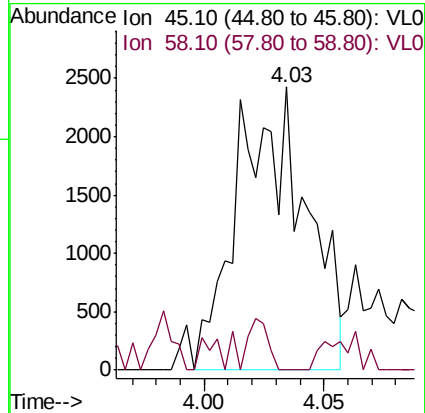
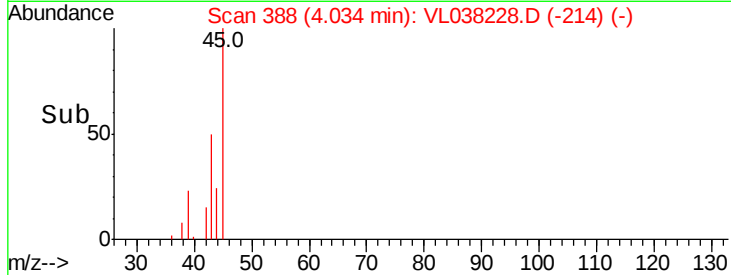
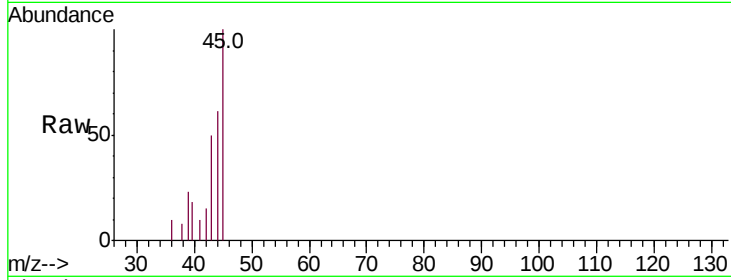
58 0.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#20

Methylene Chloride

Concen: 2.964 ppbv

RT: 4.37 min Scan# 491

Delta R.T. 0.02 min

Lab File: VL038228.D

Acq: 22 Dec 2021 00:54

Tgt Ion: 84 Resp: 125530

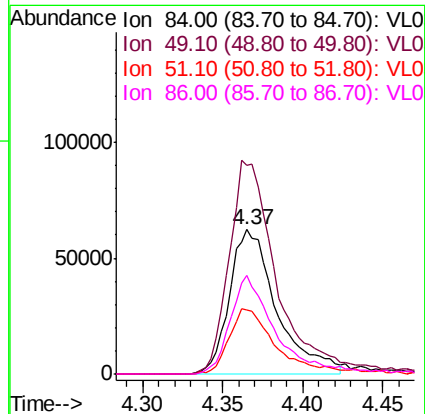
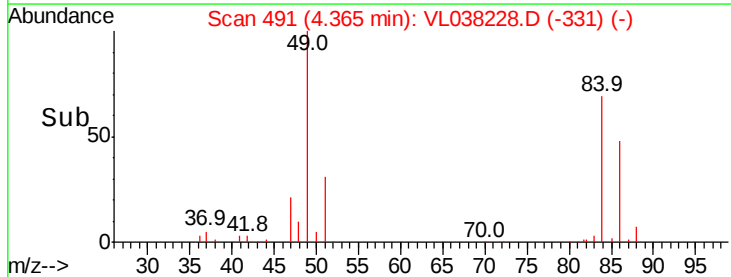
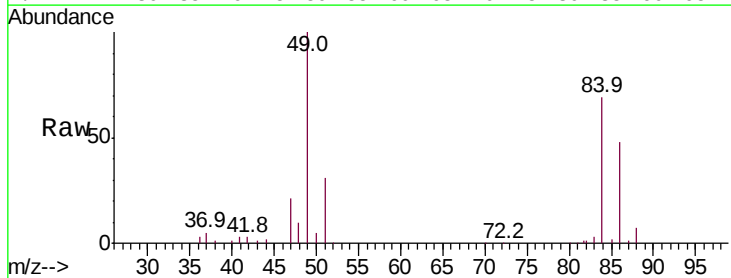
Ion Ratio Lower Upper

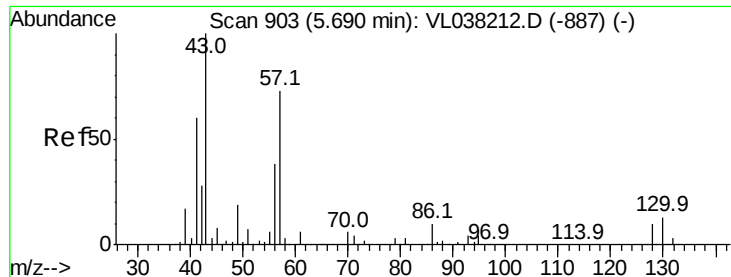
84 100

49 144.2 110.6 166.0

51 44.4 34.2 51.2

86 68.6 50.5 75.7

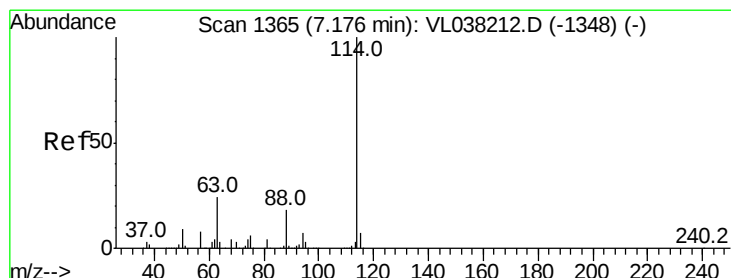
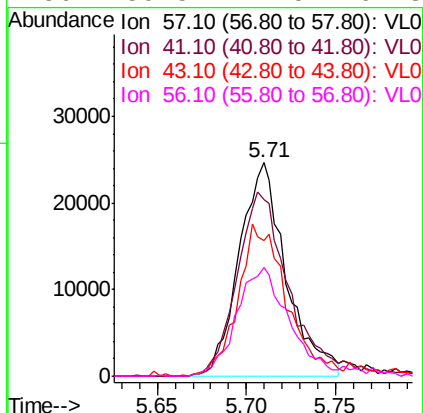
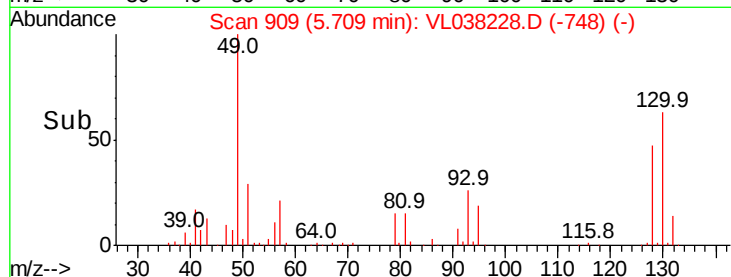
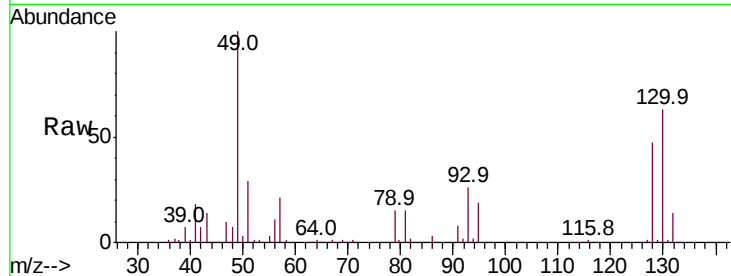




#26
Hexane
Concen: 0.445 ppbv
RT: 5.71
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Dec 2021 00:54

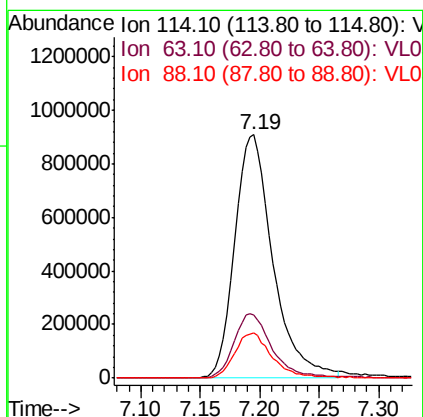
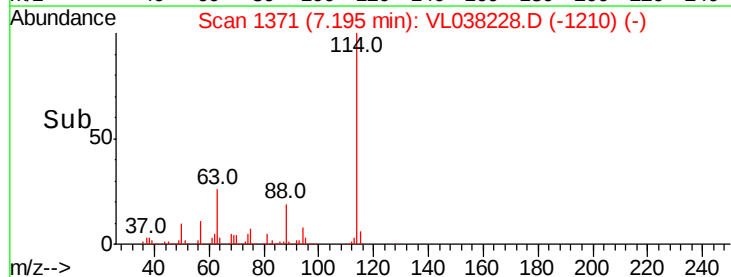
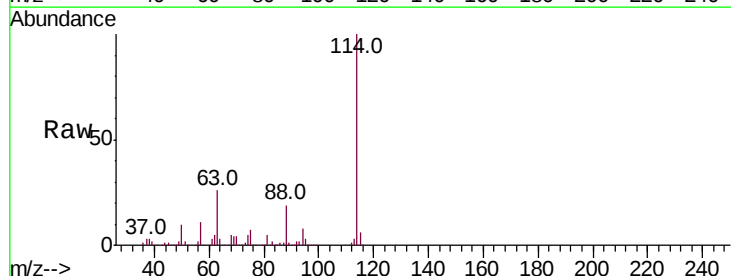
Tot Ion: Manual Integrations
Ion Ratio APPROVED
57 100
41 98.
43 78.
56 59.5 41.5 62.3

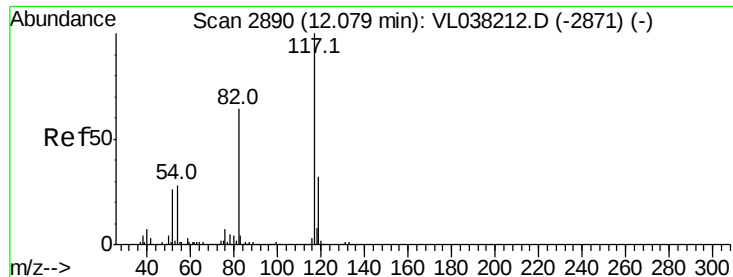
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. 0.02 min
Lab File: VL038228.D
Acq: 22 Dec 2021 00:54

Tgt Ion:114 Resp: 2023208
Ion Ratio Lower Upper
114 100
63 26.9 19.7 29.5
88 18.8 14.3 21.5



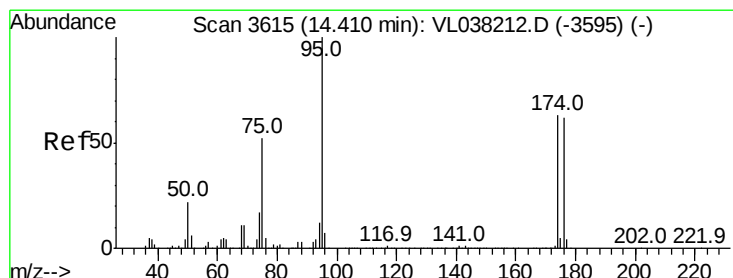
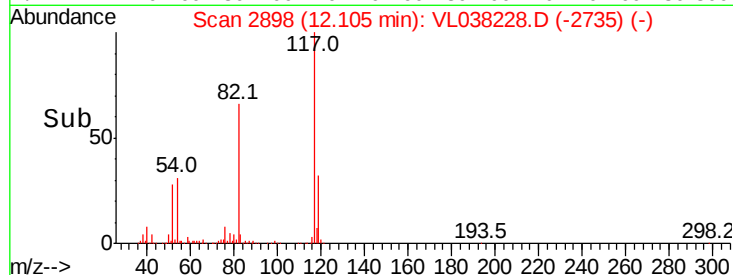
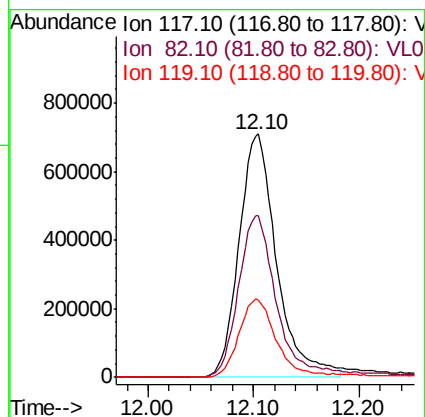
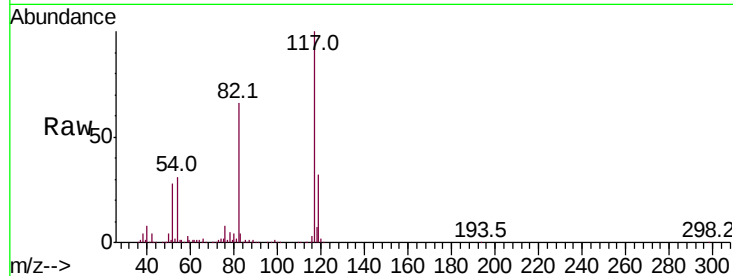


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: ClientSampleId :
Acq: 22 Dec 2021 00:54

Tot Ion: 1
Ion Ratio
117 100
82 72.
119 33.

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 12/29/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 10.385 ppbv
RT: 14.43 min Scan# 3622
Delta R.T.: 0.02 min
Lab File: VL038228.D
Acq: 22 Dec 2021 00:54

Tgt Ion: 95 Resp: 1407729
Ion Ratio Lower Upper
95 100
174 61.6 54.6 81.8
175 4.3 4.1 6.1

