

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038199.D
 Acq On : 16 Dec 2021 21:29
 Operator : SY/AP
 Sample : M5136-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 EFFLUENTDL

Manual Integrations
 APPROVED

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

Quant Time: Dec 17 06:49:16 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	1042291	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2679971	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2335108	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1813719	10.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	32817m	4.213	ppbv	
15) Acetone	3.87	43	36007m	0.398	ppbv	
18) 1,1-Dichloroethene	4.29	96	6255m	0.118	ppbv	
19) Isopropyl Alcohol	3.99	45	50877m	0.779	ppbv	
20) Methylene Chloride	4.35	84	72866m	1.440	ppbv	
24) 1,1-Dichloroethane	5.02	63	25488	0.234	ppbv	99
26) Hexane	5.69	57	31990	0.221	ppbv #	47
32) 1,1,1-Trichloroethane	6.52	97	257717	1.190	ppbv	96

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

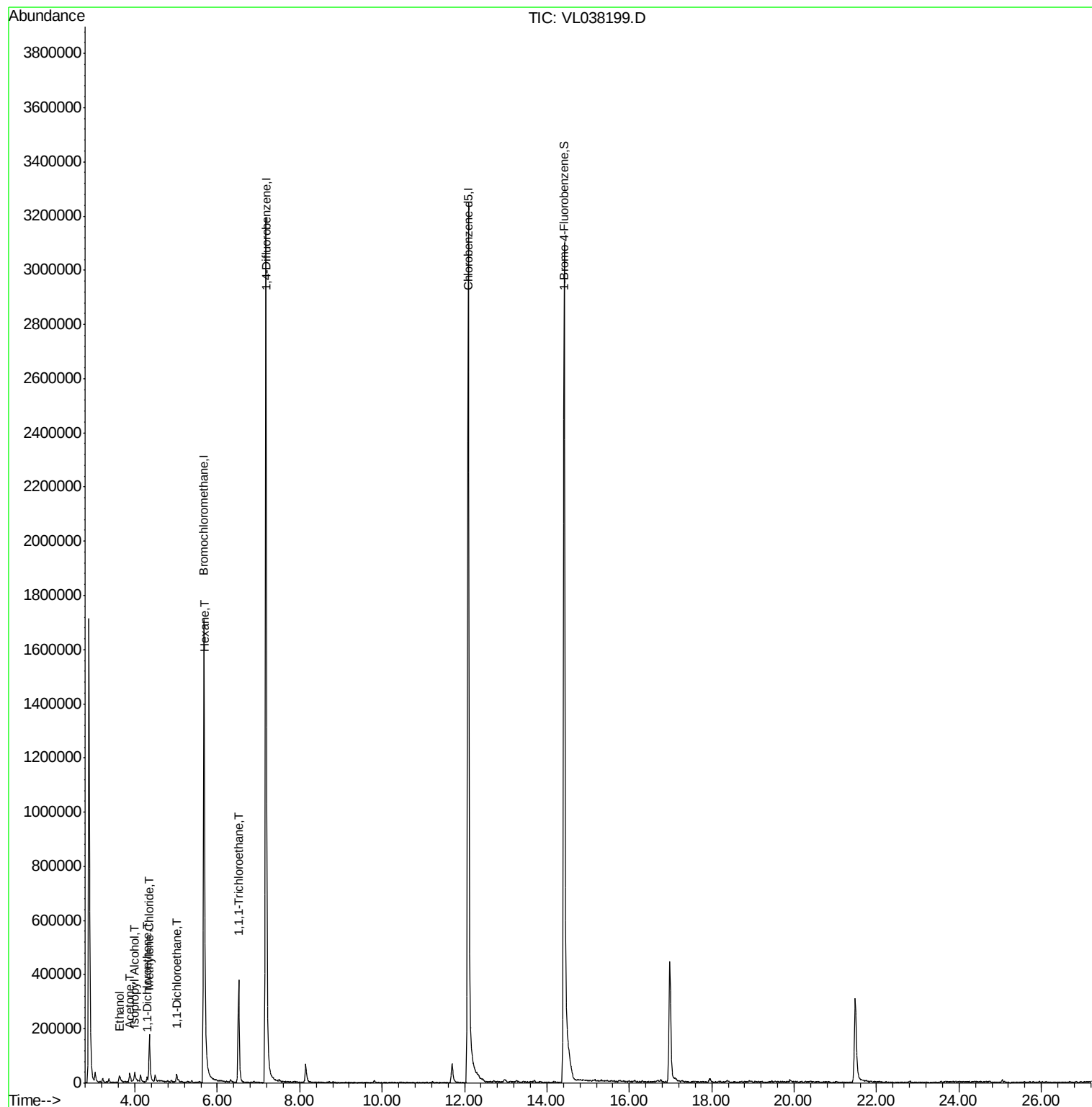
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121621\
Data File : VL038199.D
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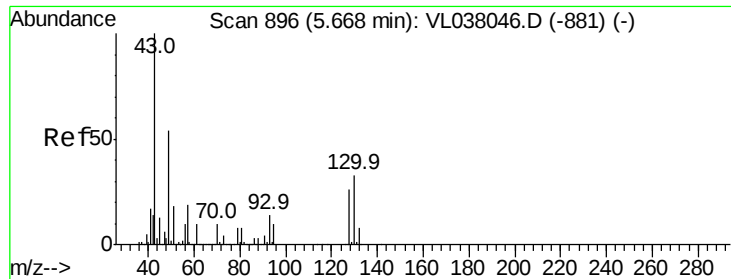
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Quant Time: Dec 17 06:49:16 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 16 Dec 2021 21:29

Tot Ion:

Ion Ratio

49 100

128 46.

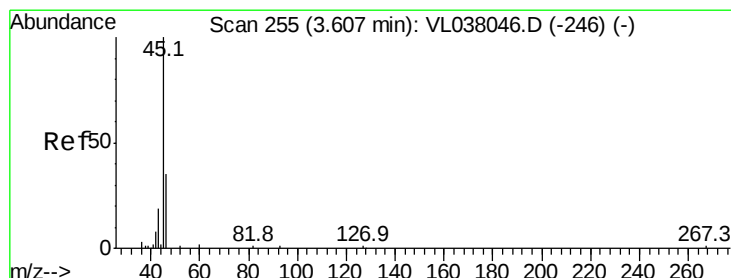
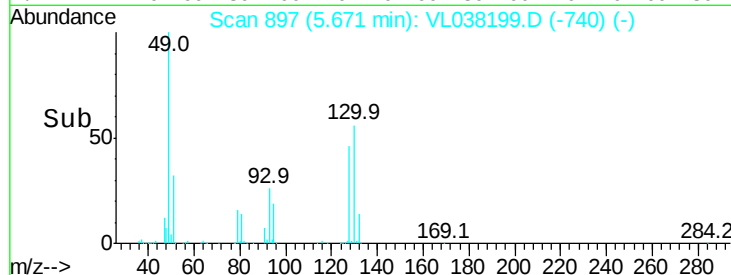
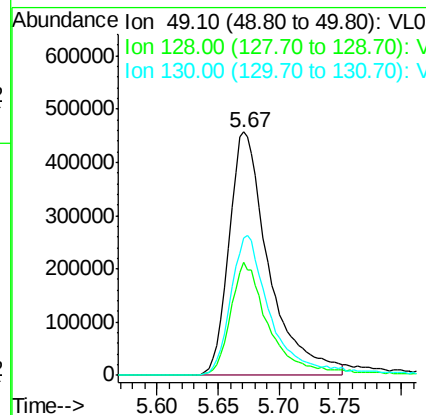
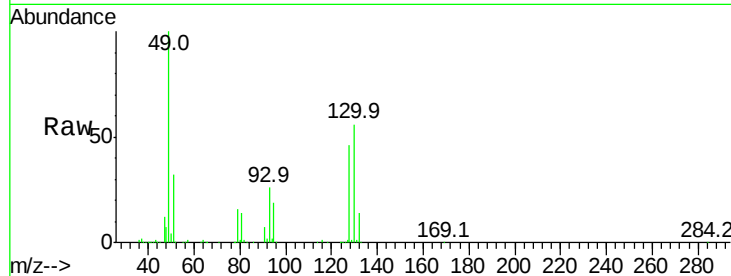
130 59.

Manual Integrations

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#13

Ethanol

Concen: 4.213 ppbv m

RT: 3.63 min Scan# 262

Delta R.T. 0.02 min

Lab File: VL038199.D

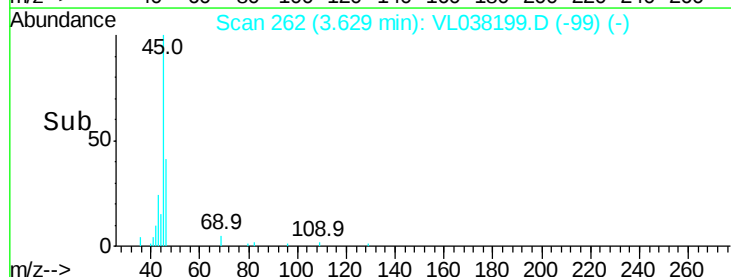
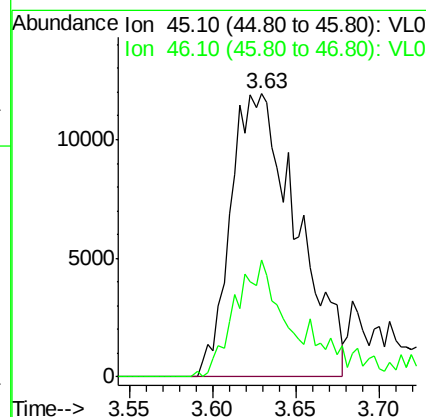
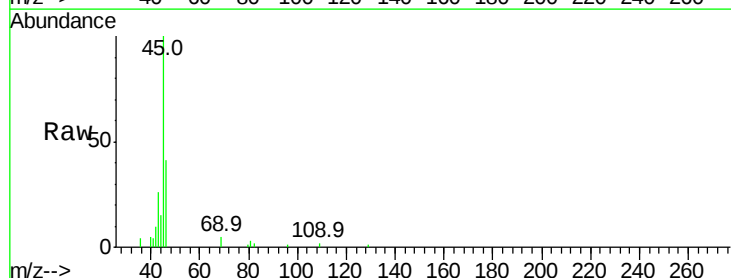
Acq: 16 Dec 2021 21:29

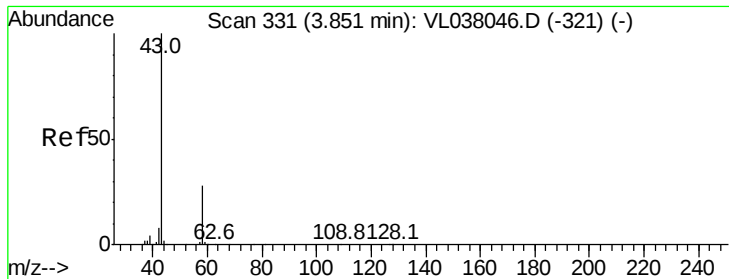
Tgt Ion: 45 Resp: 32817

Ion Ratio Lower Upper

45 100

46 0.0 17.6 70.2#



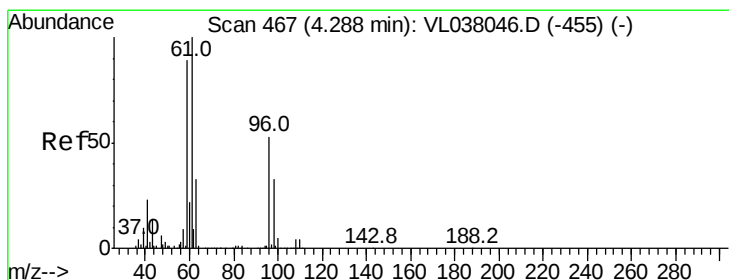
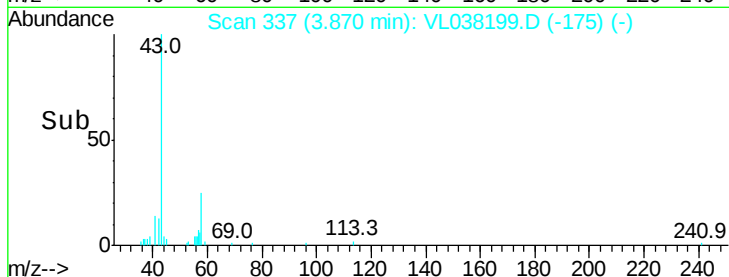
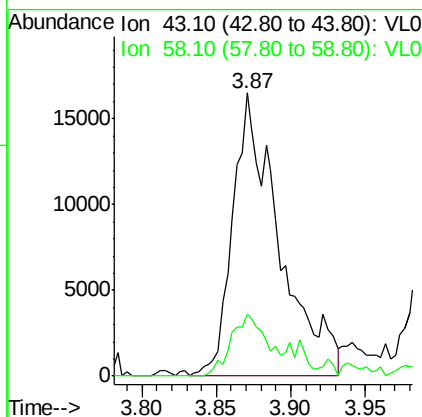
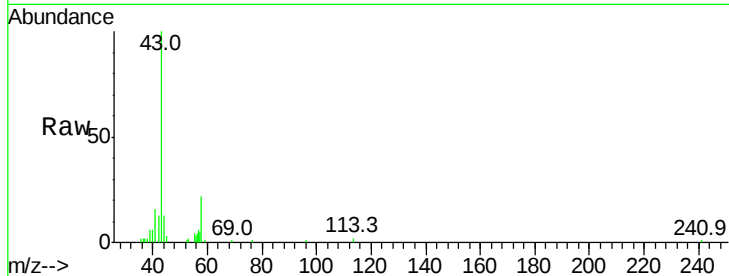


#15
Acetone
Concen: 0.398 ppbv m
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
EFFLUENTDL
Acq: 16 Dec 2021 21:29

Tot Ion:
Ion Ratio
43 100
58 23.

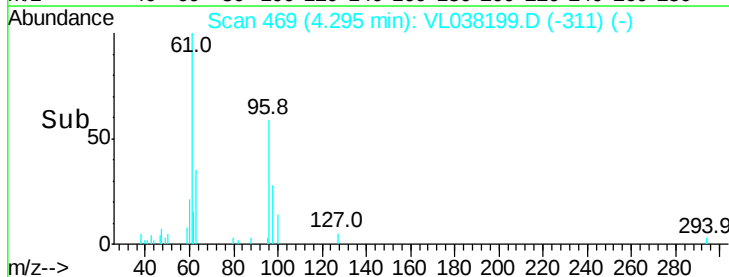
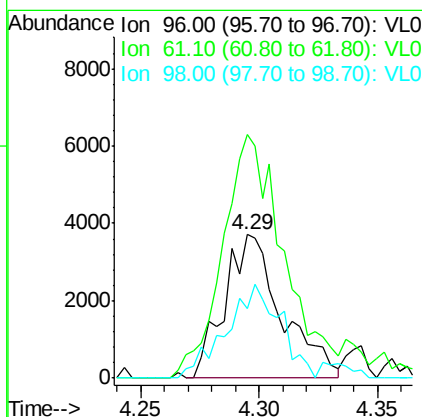
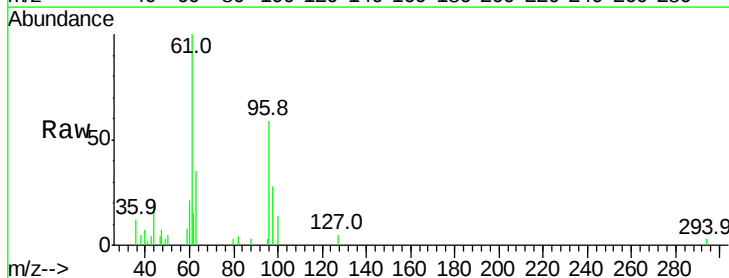
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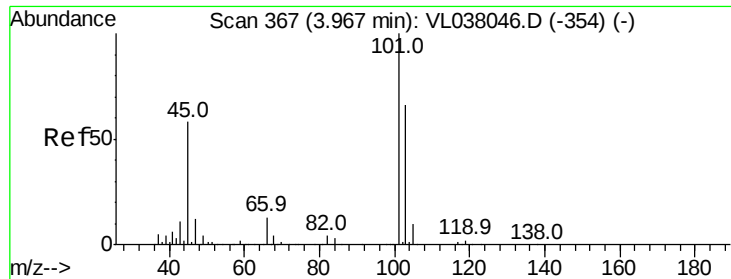
Reviewed By :Amit Patel 12/20/2021
Supervised By :Mahesh Dadoda 12/20/2021



#18
1,1-Dichloroethene
Concen: 0.118 ppbv m
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL038199.D
Acq: 16 Dec 2021 21:29

Tgt Ion: 96 Resp: 6255
Ion Ratio Lower Upper
96 100
61 169.5 149.8 224.8
98 48.1 50.2 75.2#





#19

Isopropyl Alcohol

Concen: 0.779 ppbv m

RT: 3.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 21:29

Tot Ion:

Ion Ratio

45 100

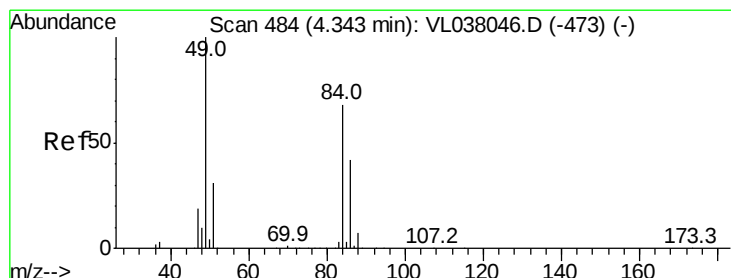
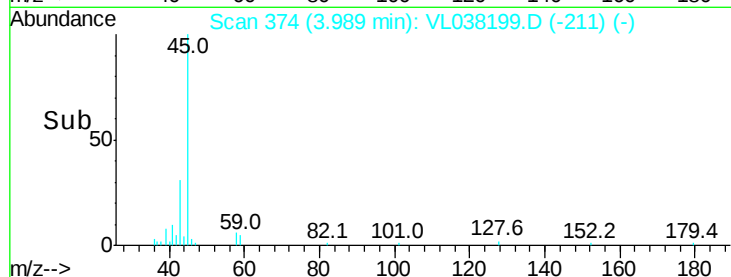
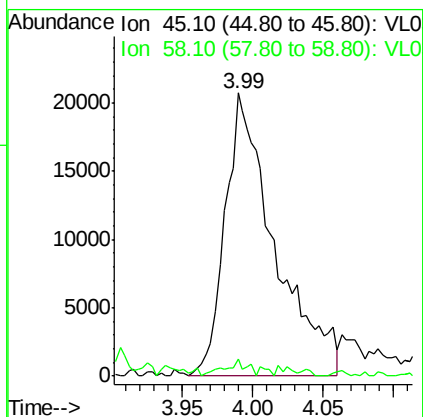
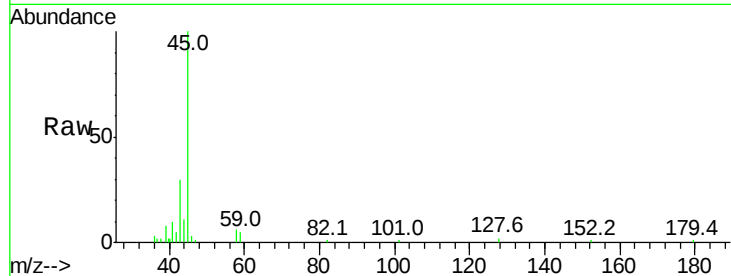
58 5.

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#20

Methylene Chloride

Concen: 1.440 ppbv m

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038199.D

Acq: 16 Dec 2021 21:29

Tgt Ion: 84 Resp: 72866

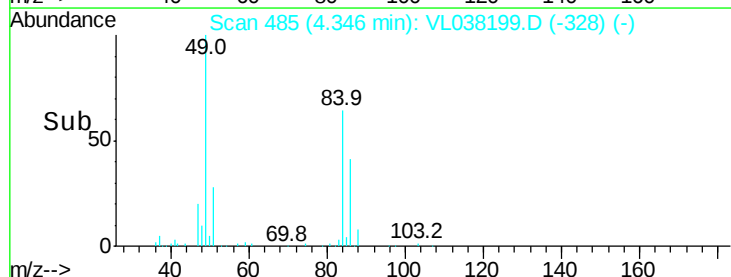
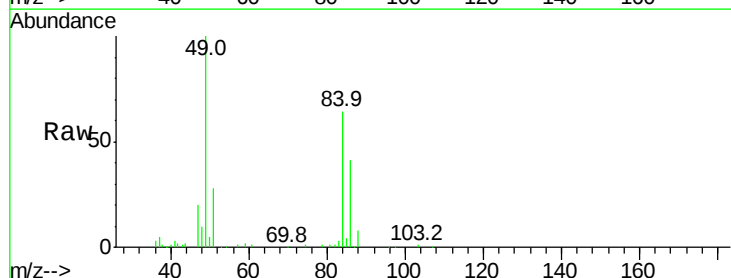
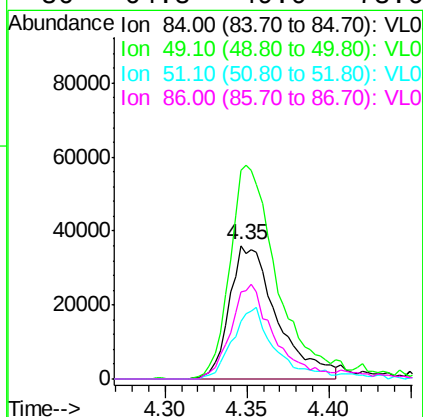
Ion Ratio Lower Upper

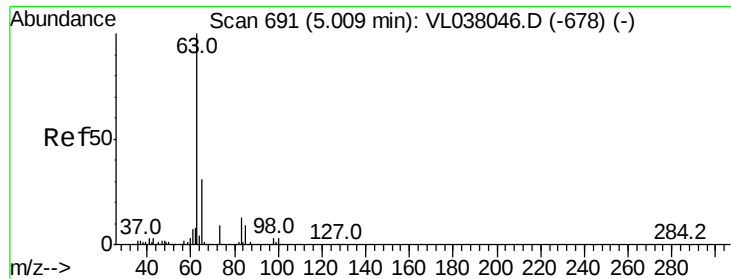
84 100

49 156.3 118.2 177.2

51 43.1 36.8 55.2

86 64.8 49.0 73.6





#24

1,1-Dichloroethane

Concen: 0.234 ppbv

RT: 5.02 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 16 Dec 2021 21:29 EFFLUENTDL

Tot Ion:

Ion Ratio

63 100

98 4.

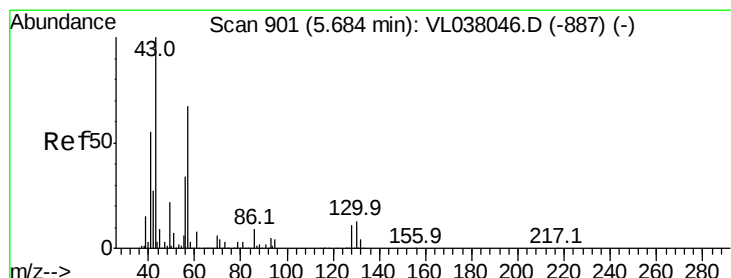
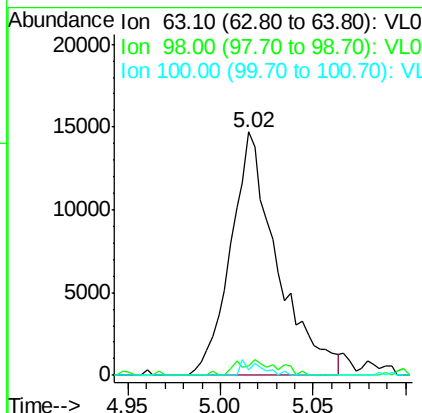
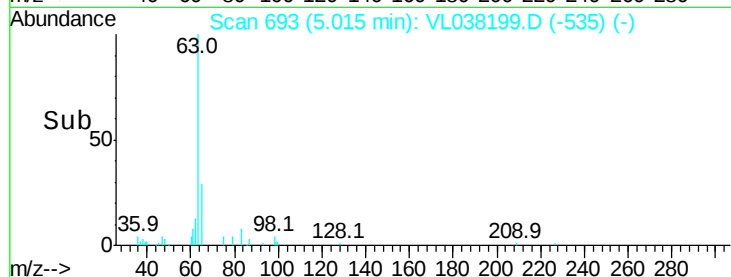
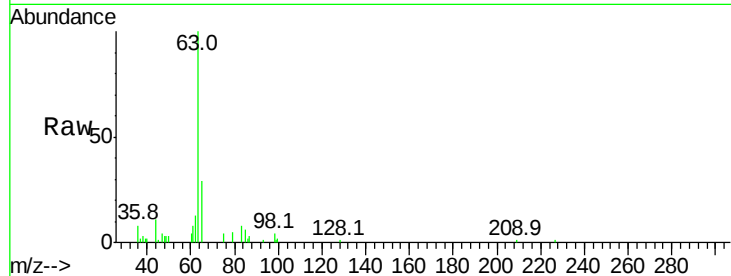
100 2.

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Reviewed By :Amit Patel 12/20/2021

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#26

Hexane

Concen: 0.221 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL038199.D

Acq: 16 Dec 2021 21:29

Tgt Ion: 57 Resp: 31990

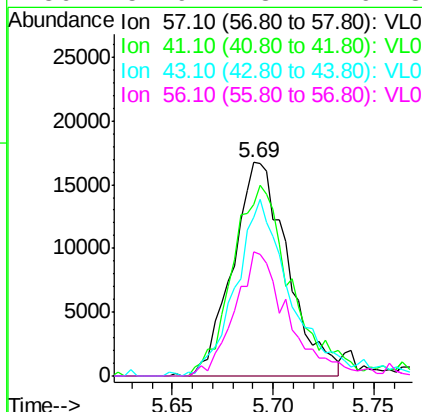
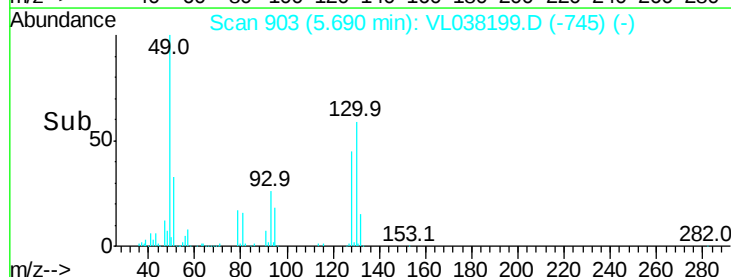
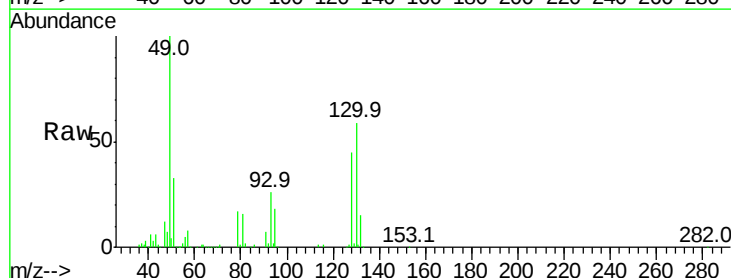
Ion Ratio Lower Upper

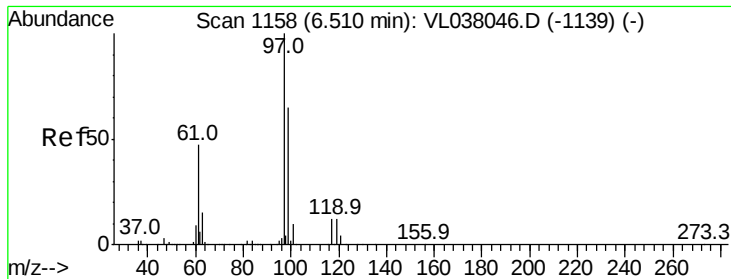
57 100

41 96.4 71.4 107.2

43 84.9 174.6 261.8#

56 57.9 43.2 64.8





#32

1,1,1-Trichloroethane

Concen: 1.190 ppbv

RT: 6.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 21:29 EFFLUENTDL

Tot Ion:

Ion Ratio

97 100

99 65.

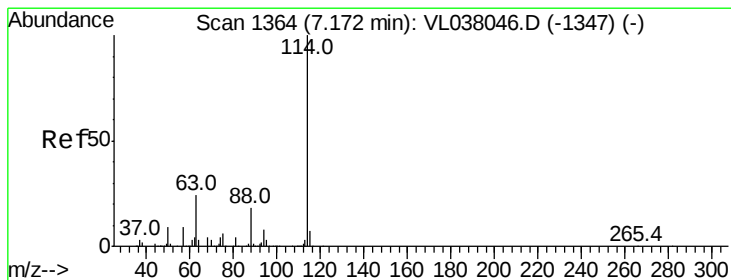
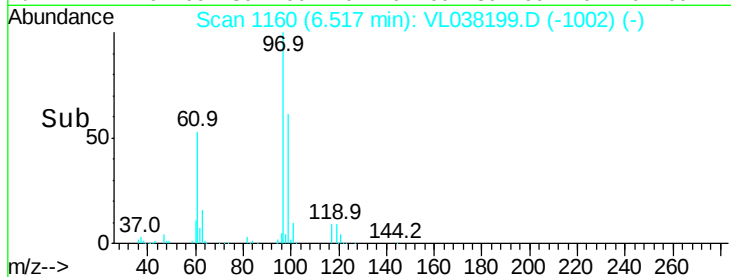
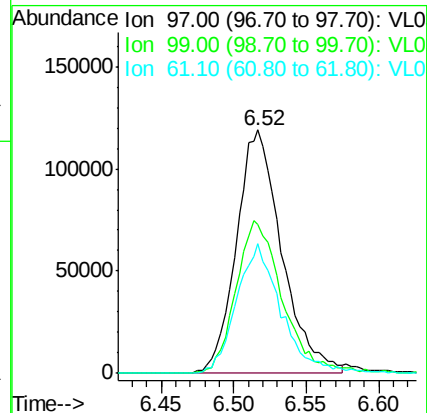
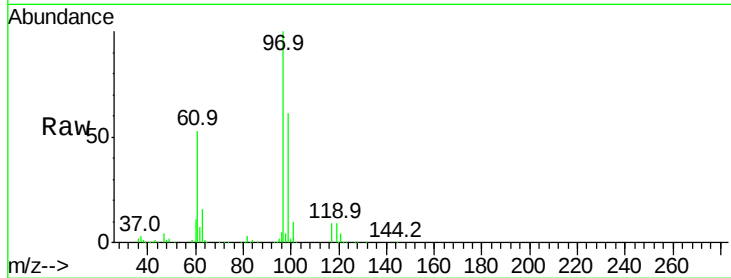
61 52.

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VL038199.D

Acq: 16 Dec 2021 21:29

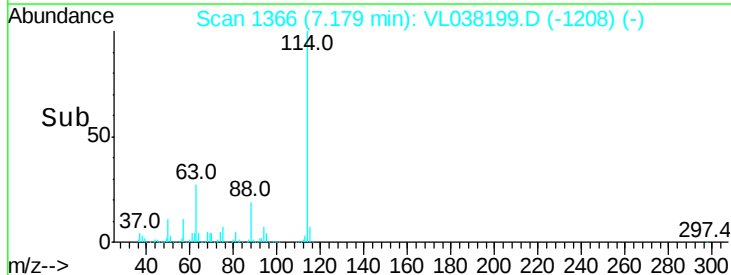
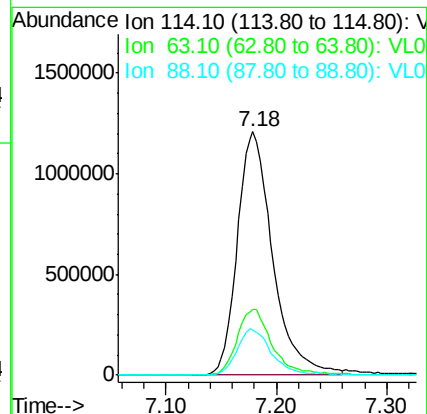
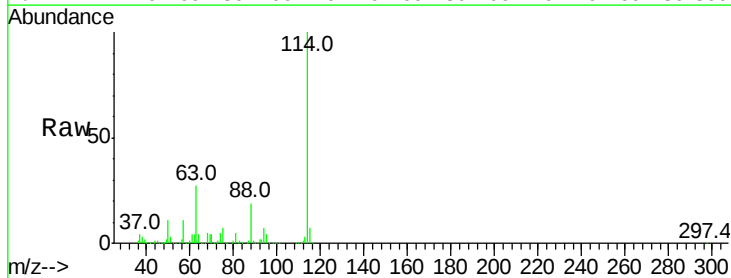
Tgt Ion:114 Resp: 2679971

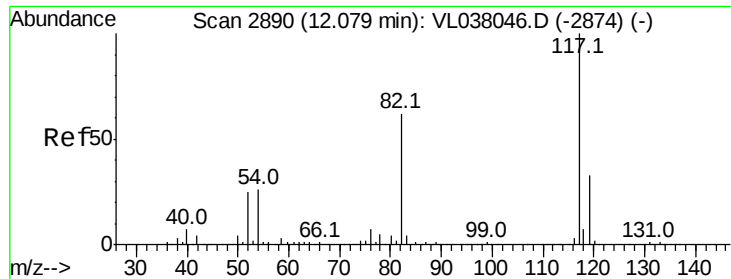
Ion Ratio Lower Upper

114 100

63 27.5 19.7 29.5

88 19.1 14.4 21.6



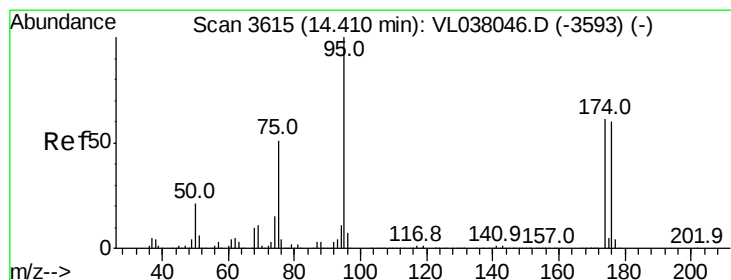
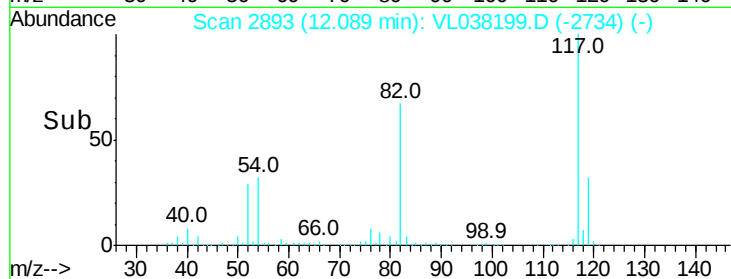
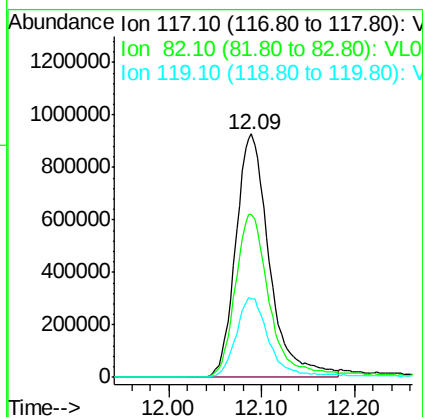
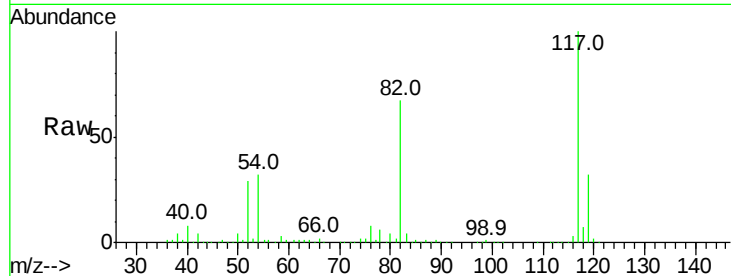


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Dec 2021 21:29

Tot Ion: 1
Ion Ratio
117 100
82 70.
119 33.

Manual Integrations
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Supervised By :Mahesh Dadoda 12/20/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 10.768 ppbv
RT: 14.42 min Scan# 3617
Delta R.T.: 0.01 min
Lab File: VL038199.D
Acq: 16 Dec 2021 21:29

Tgt Ion: 95 Resp: 1813719
Ion Ratio Lower Upper
95 100
174 62.0 53.1 79.7
175 4.5 4.0 6.0

