

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037724.D
 Acq On : 29 Sep 2021 9:05
 Operator : SY/AP
 Sample : M3949-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18BDL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/30/2021
 Supervised By : Amit Patel 10/01/2021

Quant Time: Sep 30 21:08:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

9/30/2021 9:08:27 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1285086	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	3764718	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3231004	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2201038	9.43	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	17832m	0.209	ppbv	
13) Ethanol	3.61	45	357387m	42.732	ppbv	
15) Acetone	3.86	43	161327m	1.208	ppbv	
19) Isopropyl Alcohol	3.98	45	61994m	0.853	ppbv	
20) Methylene Chloride	4.34	84	251713	3.949	ppbv	97
26) Hexane	5.68	57	303488	1.976	ppbv #	46

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621

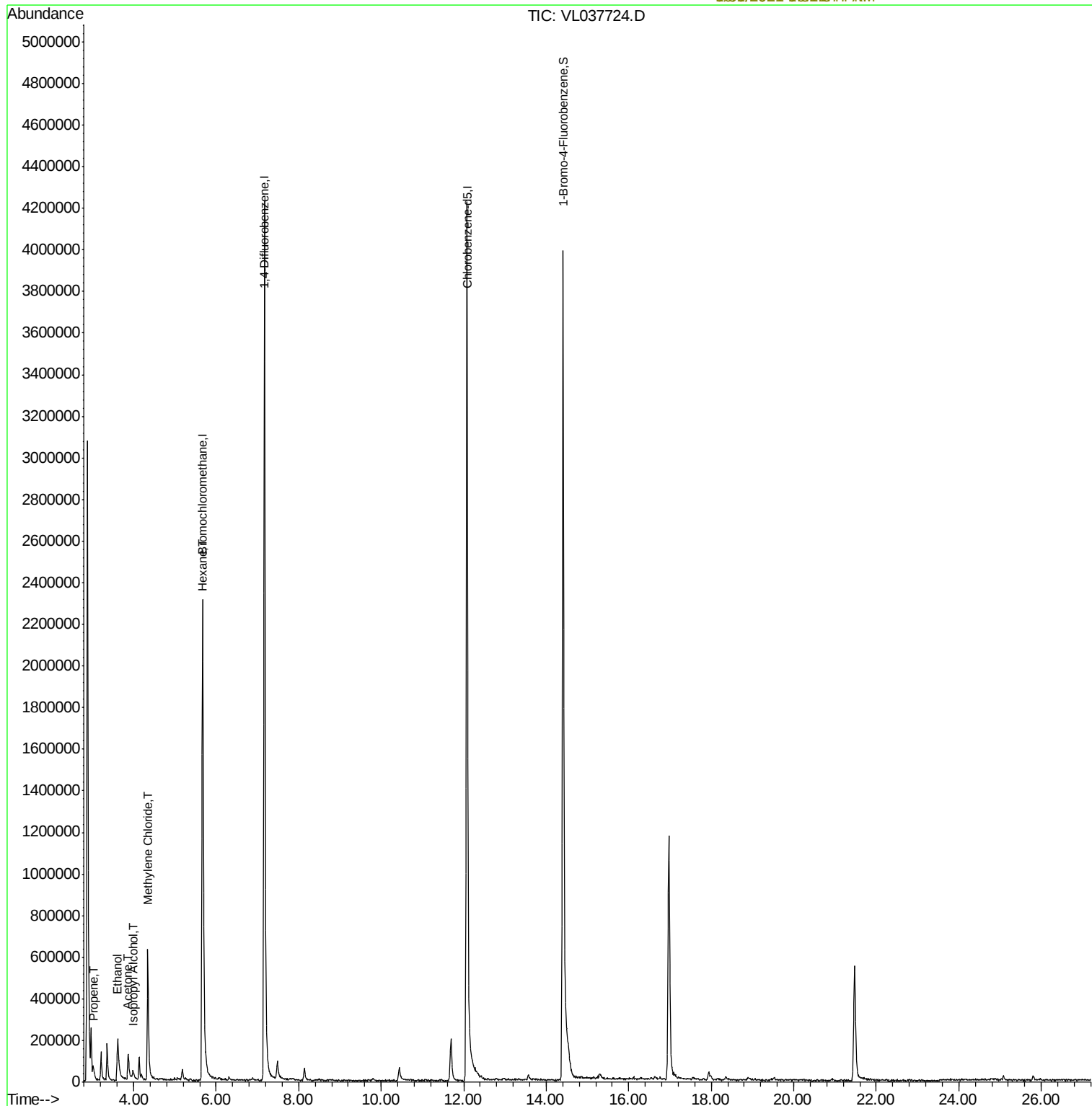
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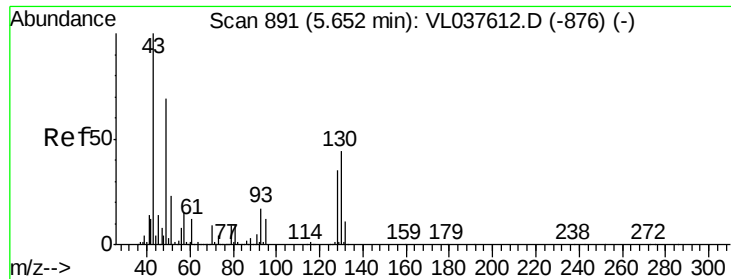
QLast Update : Thu Sep 16 13:42:46 2021

Response via : Initial Calibration

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9/30/2021 9:02:13 PAM





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-18BDL

Acq: 29 Sep 2021 9:05

Tgt Ion:

Ion Ratio

49 100

128 52.

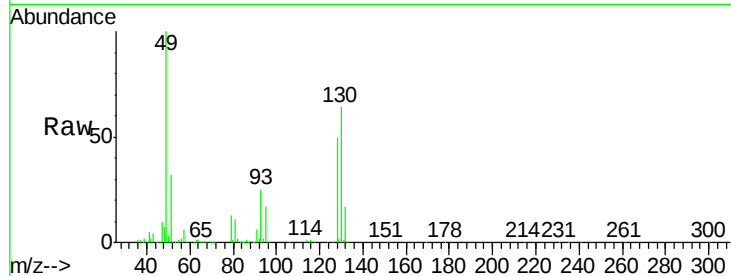
130 67.

Manual Integrations

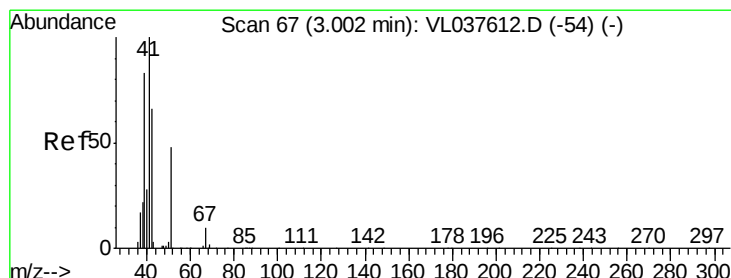
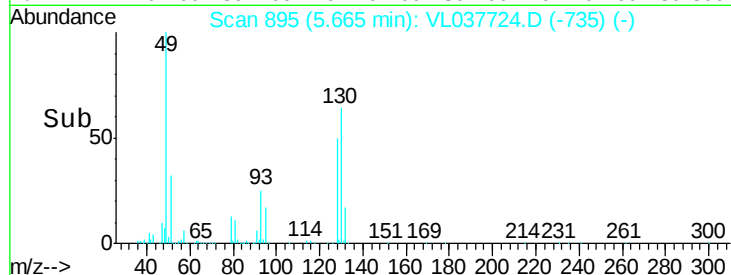
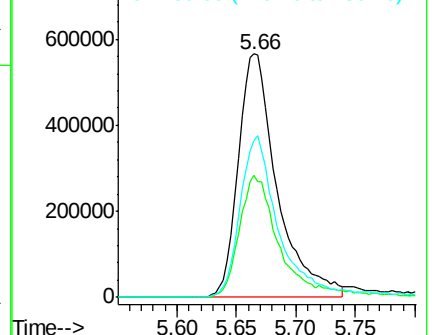
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Abundance Ion 49.10 (48.80 to 49.80): VLO
Ion 128.00 (127.70 to 128.70): VLO
Ion 130.00 (129.70 to 130.70): VLO



#9

Propene

Concen: 0.209 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL037724.D

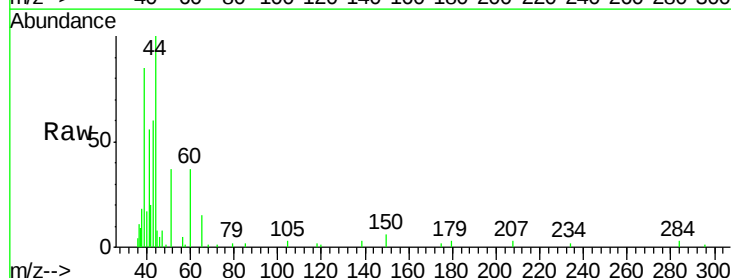
Acq: 29 Sep 2021 9:05

Tgt Ion: 41 Resp: 17832

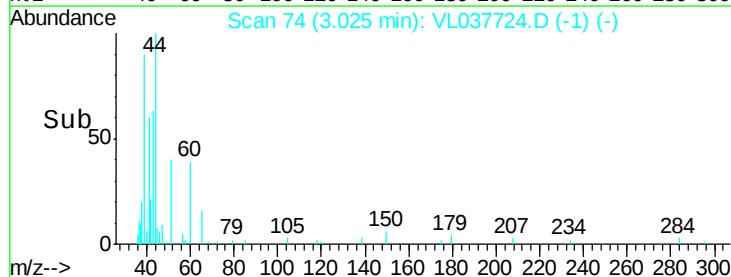
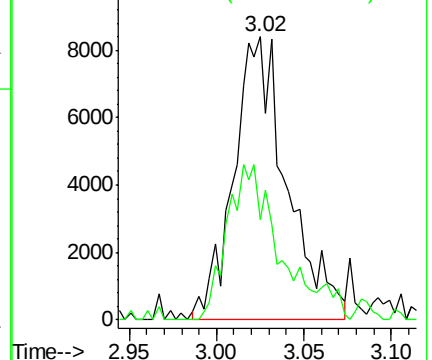
Ion Ratio Lower Upper

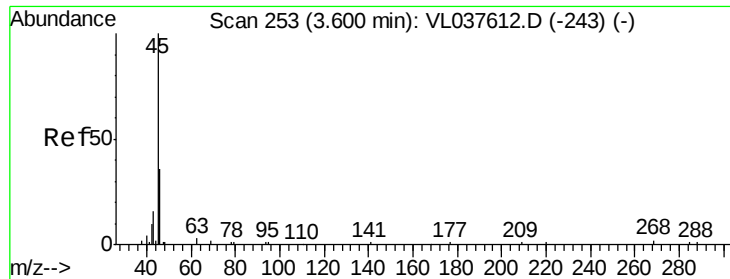
41 100

42 14.8 57.2 85.8#



Abundance Ion 41.10 (40.80 to 41.80): VLO
Ion 42.10 (41.80 to 42.80): VLO



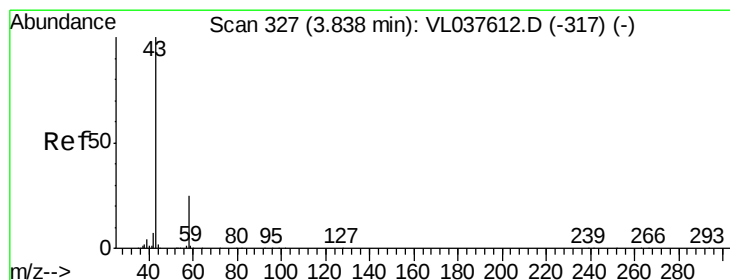
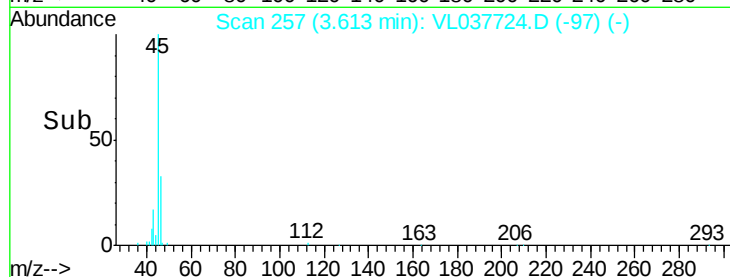
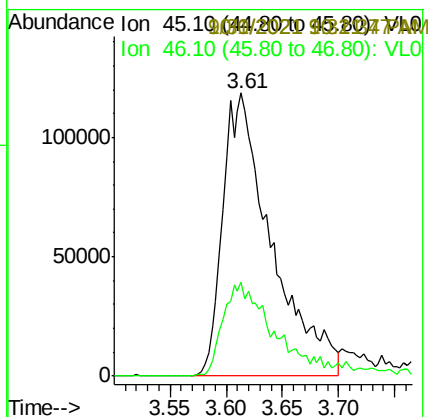
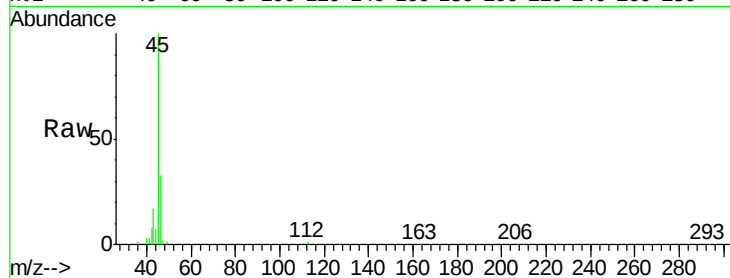


#13
Ethanol
Concen: 42.732 ppbv m
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Sep 2021 9:05

Tgt Ion:
Ion Ratio
45 100
46 34.

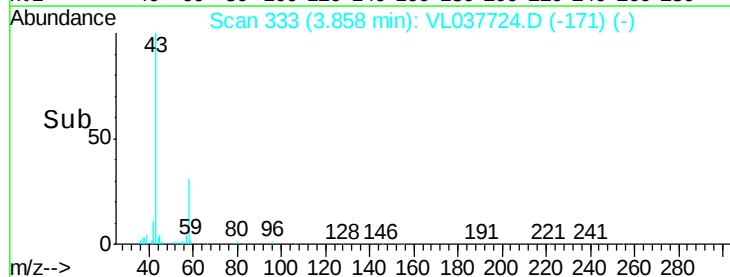
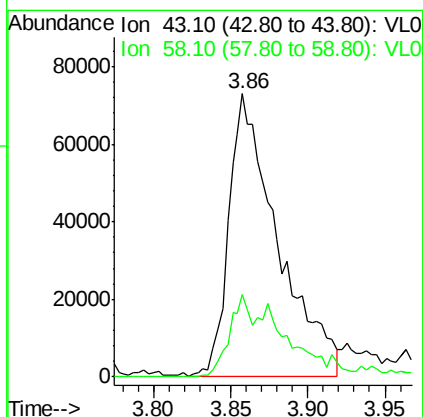
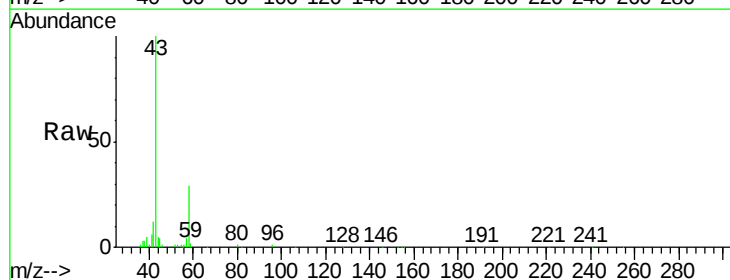
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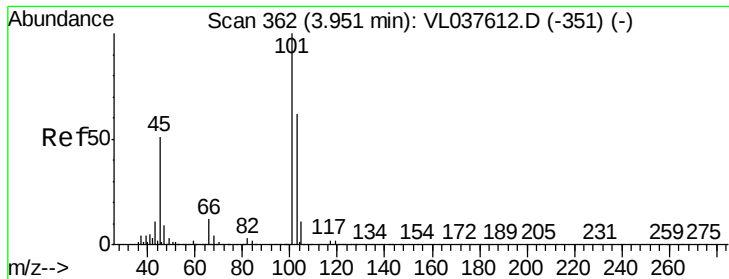
Reviewed By :Semsettin Yesilyurt 09/30/2021
Supervised By :Amit Patel 10/01/2021



#15
Acetone
Concen: 1.208 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037724.D
Acq: 29 Sep 2021 9:05

Tgt Ion: 43 Resp: 161327
Ion Ratio Lower Upper
43 100
58 33.9 24.9 37.3





#19

Isopropyl Alcohol

Concen: 0.853 ppbv m

RT: 3.98 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 9:05

Tgt Ion:

Ion Ratio

45 100

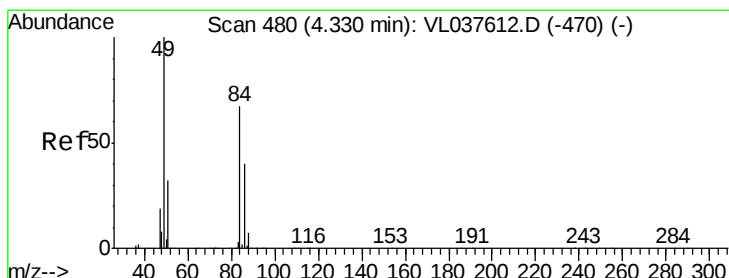
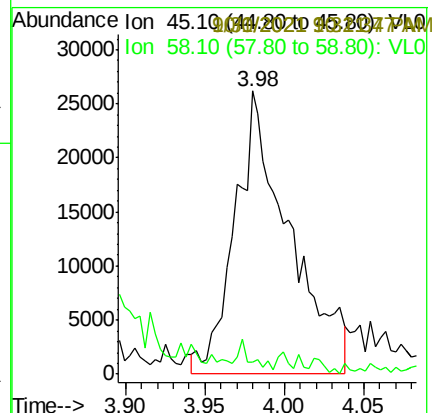
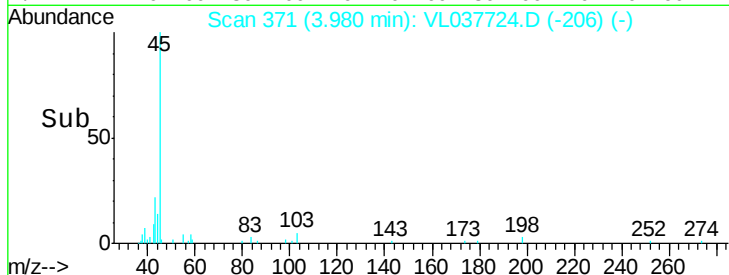
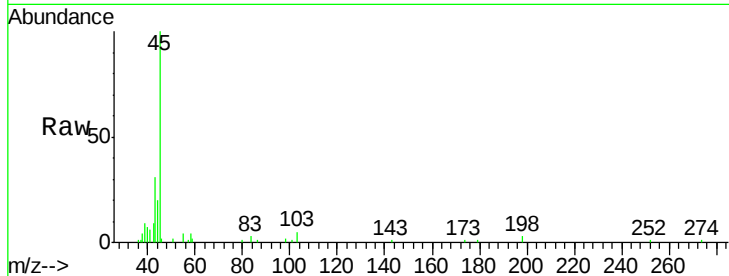
58 0.

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#20

Methylene Chloride

Concen: 3.949 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037724.D

Acq: 29 Sep 2021 9:05

Tgt Ion: 84 Resp: 251713

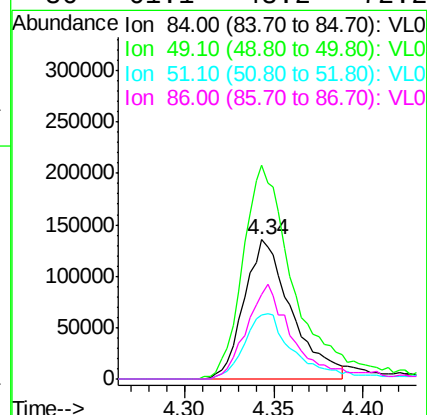
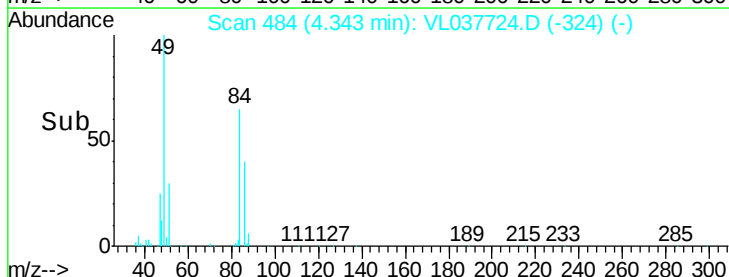
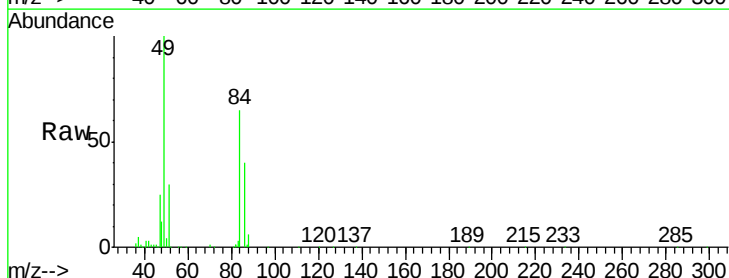
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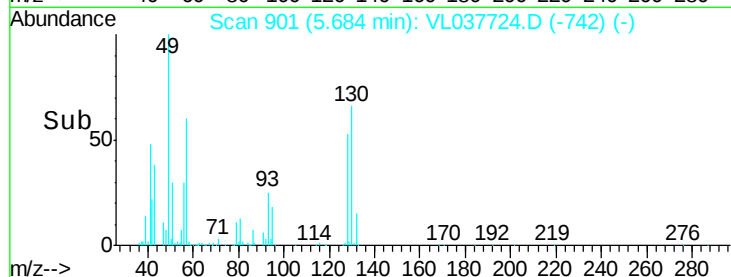
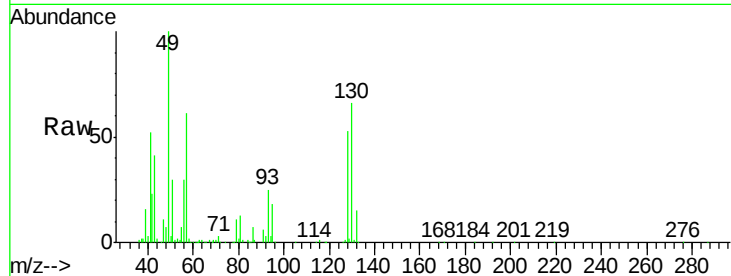
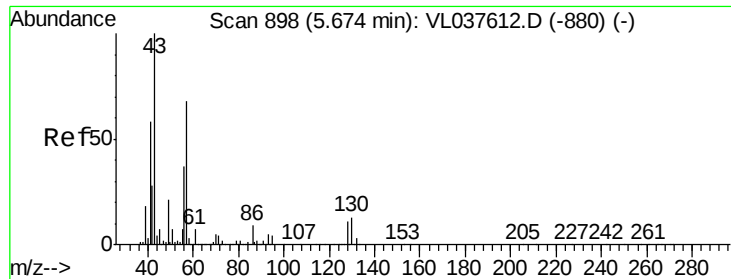
84 100

49 153.6 120.0 180.0

51 45.3 38.0 57.0

86 61.1 48.2 72.2



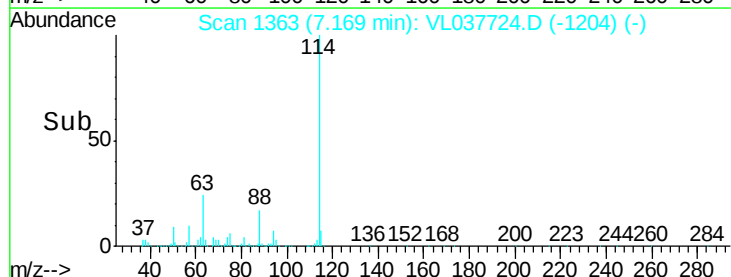
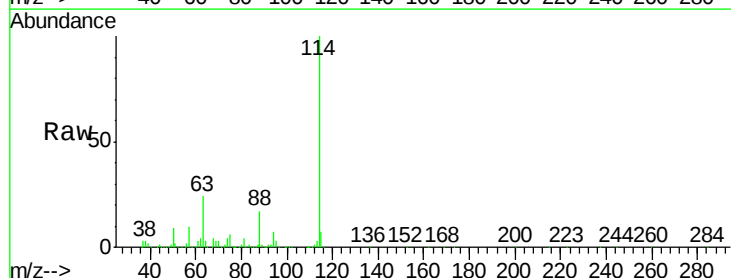
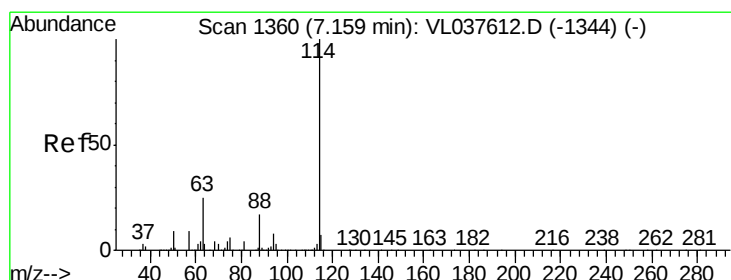
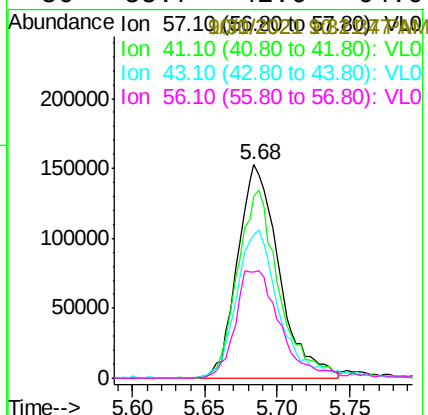


#26
Hexane
Concen: 1.976 ppbv
RT: 5.68
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Sep 2021 9:05

Tgt Ion:
Ion Ratio
57 100
41 90.
43 72.
56 55.7 42.6 64.0

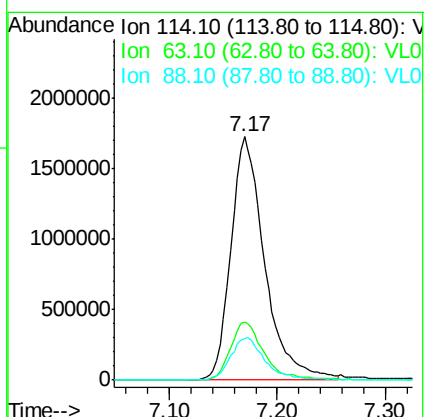
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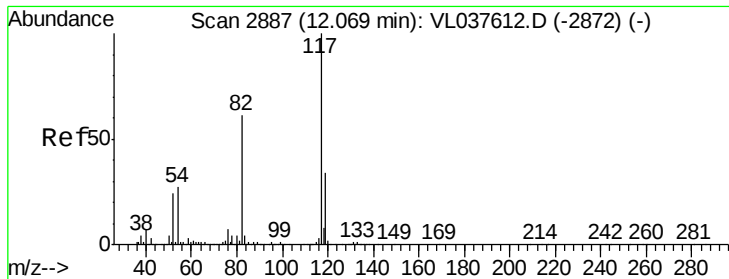
Reviewed By :Semsettin Yesilyurt 09/30/2021
Supervised By :Amit Patel 10/01/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T.: 0.01 min
Lab File: VL037724.D
Acq: 29 Sep 2021 9:05

Tgt Ion:114 Resp: 3764718
Ion Ratio Lower Upper
114 100
63 24.2 19.6 29.4
88 18.1 14.2 21.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA_L

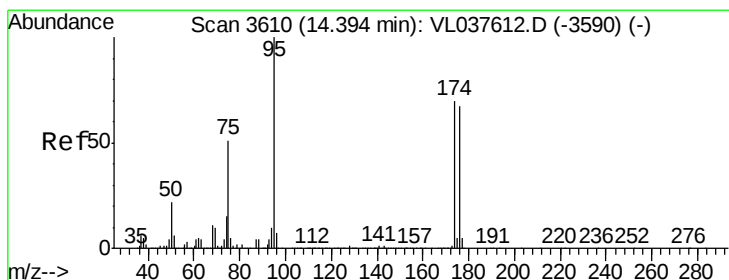
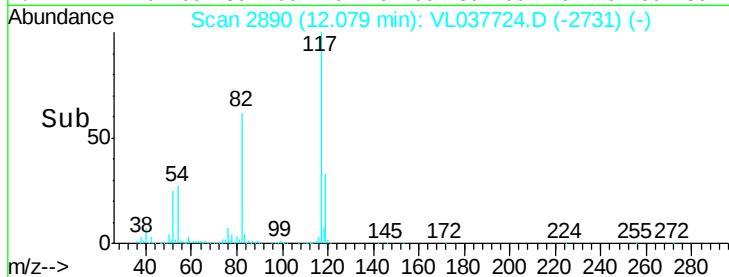
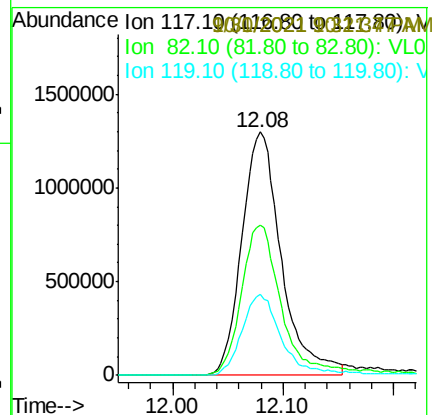
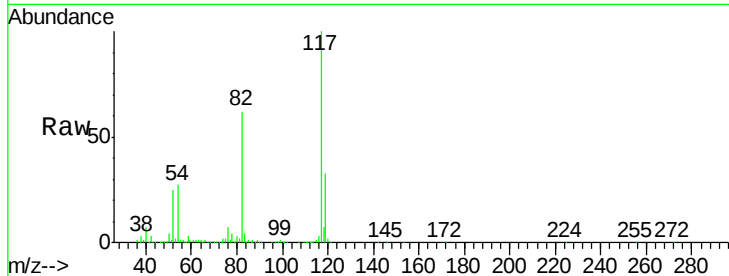
Lab File: ClientSampleId :

Acq: 29 Sep 2021 9:05

Tgt Ion: 1
Ion Ratio
117 100
82 64.
119 34.

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.426 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037724.D

Acq: 29 Sep 2021 9:05

Tgt Ion: 95 Resp: 2201038
Ion Ratio Lower Upper
95 100
174 79.3 56.3 84.5
175 5.8 4.4 6.6

