

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037710.D
 Acq On : 28 Sep 2021 20:01
 Operator : SY/AP
 Sample : M3948-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/29/2021
 Supervised By : Amit Patel 10/01/2021

Quant Time: Sep 29 20:49:20 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621A

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1358831	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4018312	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	3473180	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2422990	9.65	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

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Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.63	45	15753m	1.781	ppbv	
15) Acetone	3.86	43	1060044	7.508	ppbv	98
19) Isopropyl Alcohol	4.00	45	42672m	0.556	ppbv	
34) 2-Butanone	5.27	43	109860	0.673	ppbv #	87
38) Trichloroethene	7.84	130	421299	3.010	ppbv	94
52) Tetrachloroethene	11.23	164	332766	2.587	ppbv	98

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

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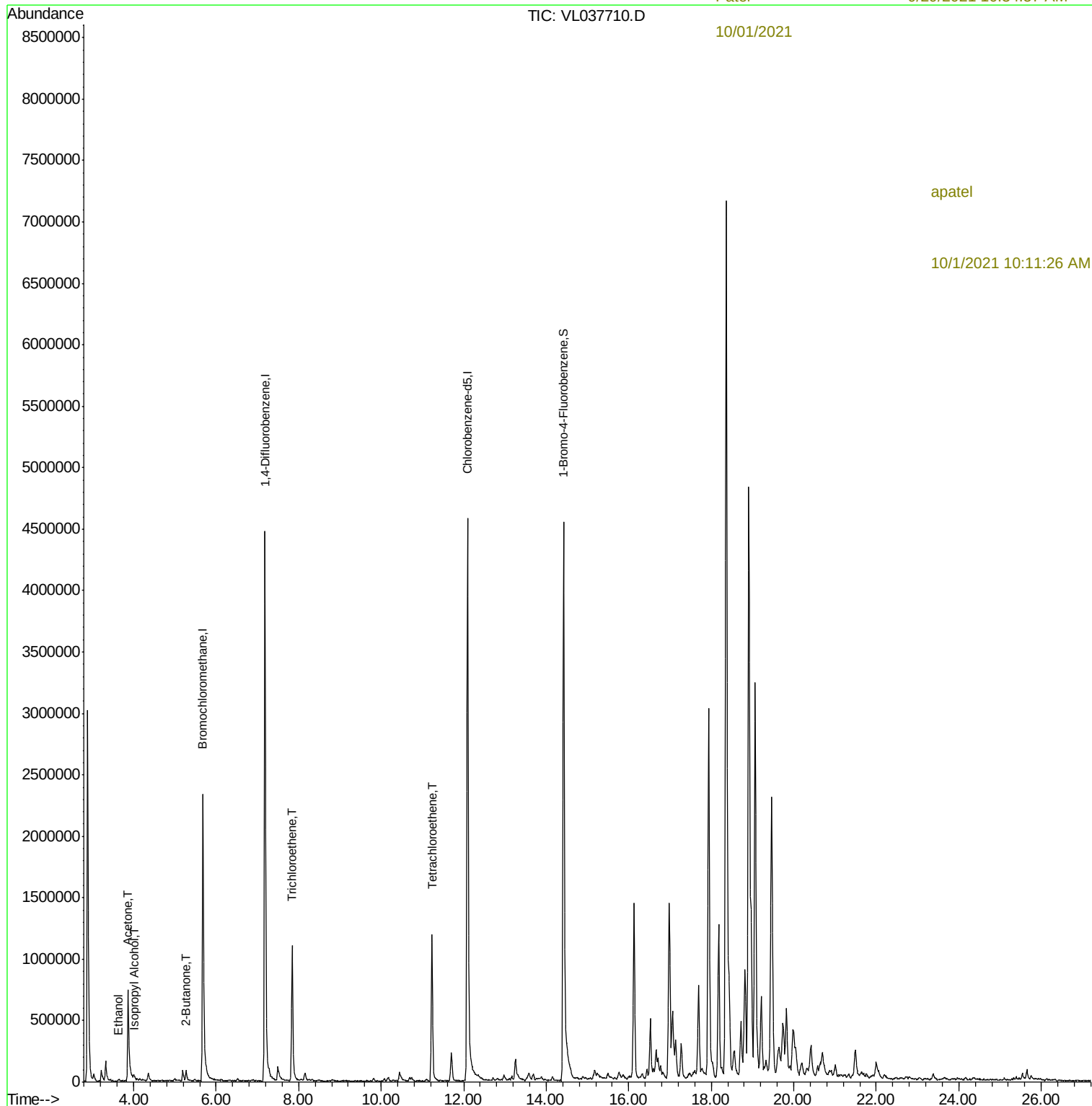
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

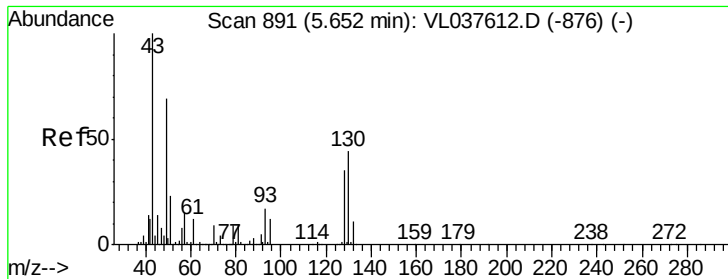
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Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021

09/29/2021
Supervised By :Amit
Patel 9/29/2021 10:34:57 AM





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 20:01 SV2DL

Tgt Ion:

Ion Ratio

49 100

128 54.

130 68.

Manual Integrations

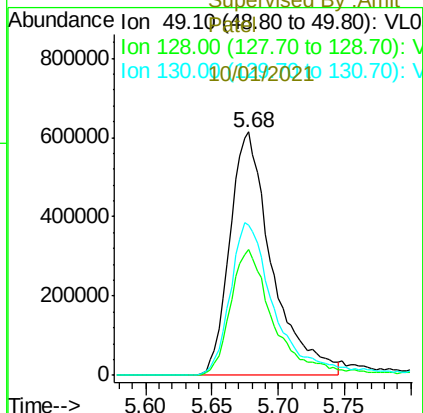
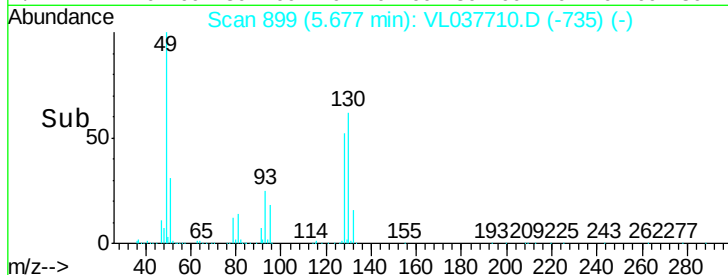
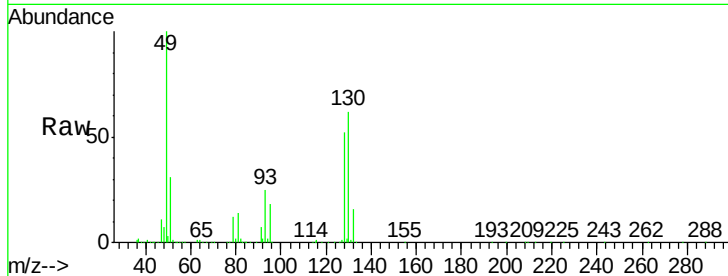
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Reviewed By :Semsettin Yesilyurt 09/29/2021

Supervised By :Amit Patel 10/01/2021

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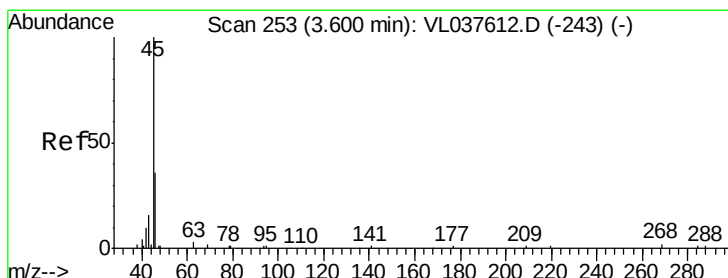
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#13

Ethanol

Concen: 1.781 ppbv m

RT: 3.63 min Scan# 263

Delta R.T. 0.03 min

Lab File: VL037710.D

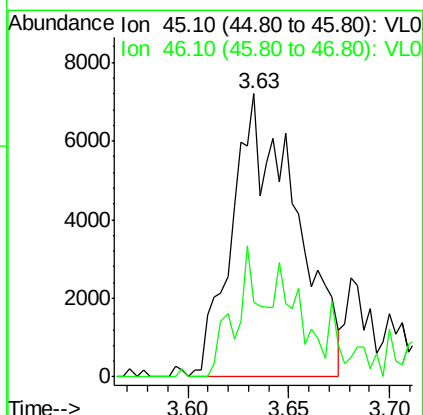
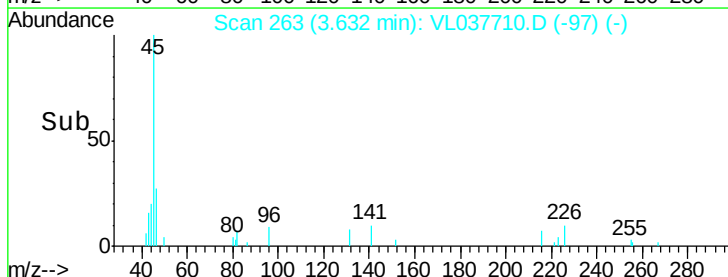
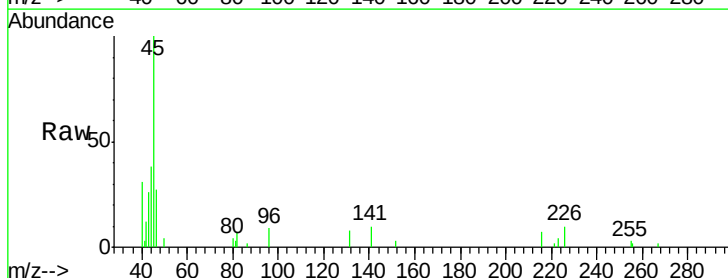
Acq: 28 Sep 2021 20:01

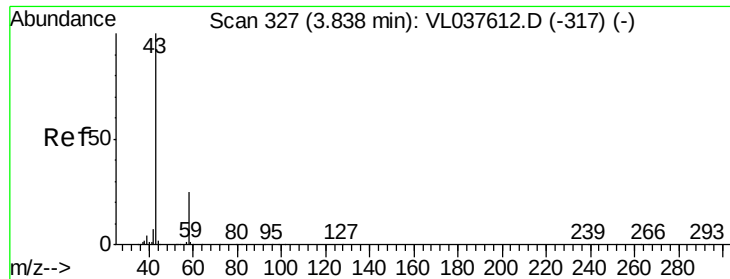
Tgt Ion: 45 Resp: 15753

Ion Ratio Lower Upper

45 100

46 48.1 17.2 68.8



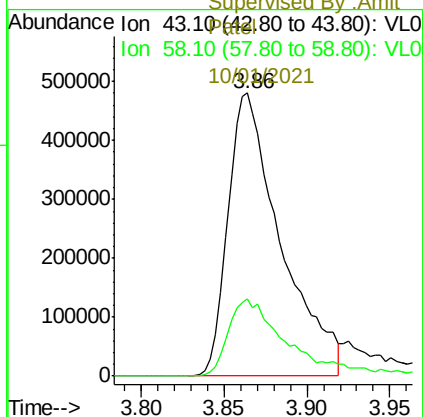
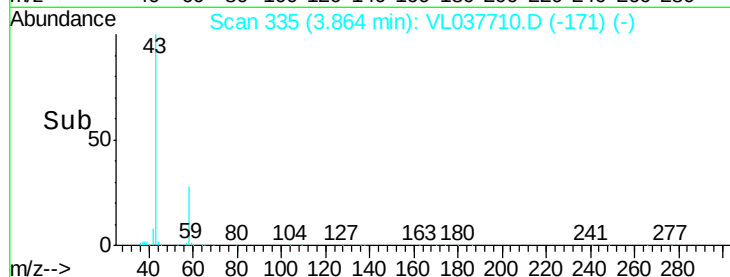
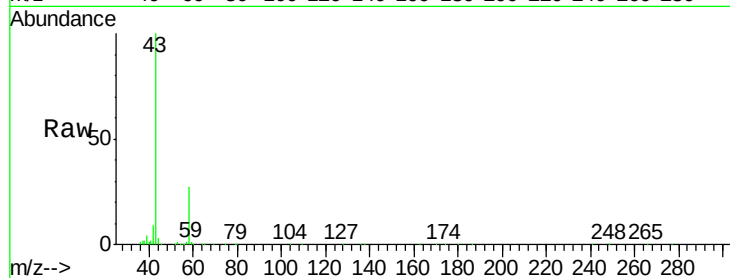


#15
Acetone
Concen: 7.508 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Sep 2021 20:01

Tgt Ion:
Ion Ratio
43 100
58 32.

Manual Integrations
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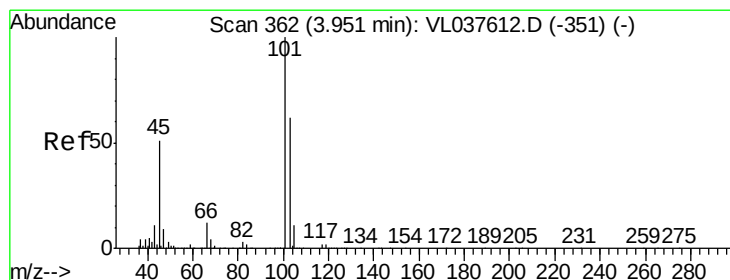
Reviewed By :Semsettin Yesilyurt 09/29/2021
Supervised By :Amit Patel 10/01/2021



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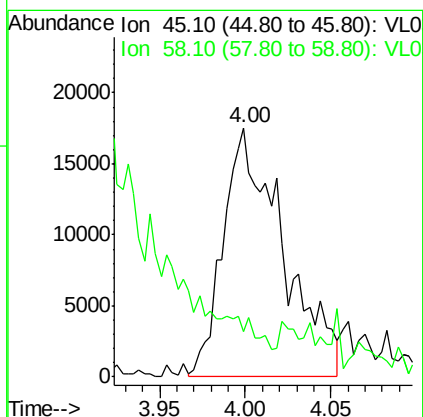
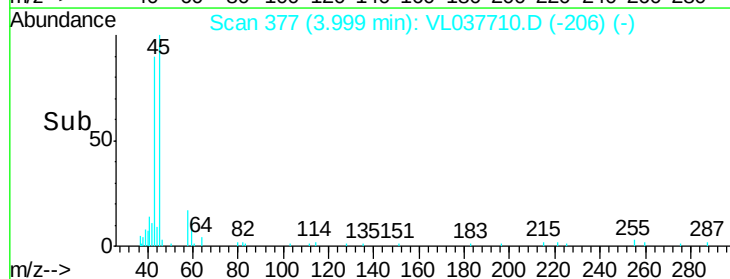
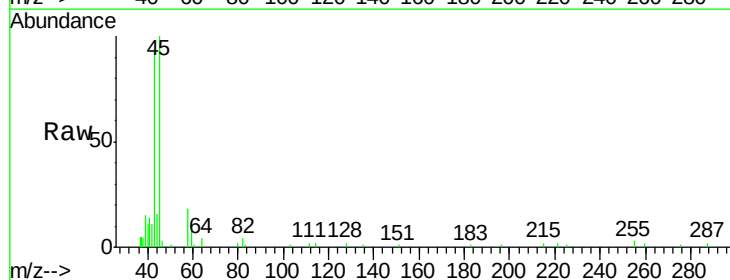
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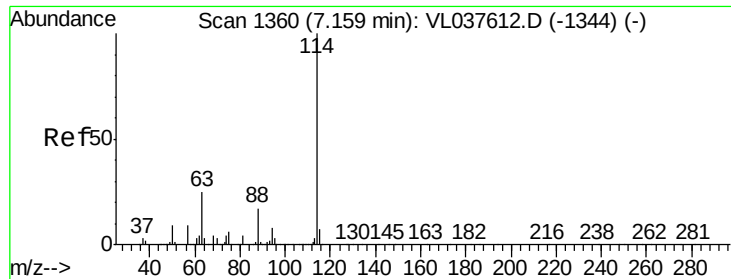
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#19
Isopropyl Alcohol
Concen: 0.556 ppbv m
RT: 4.00 min Scan# 377
Delta R.T. 0.05 min
Lab File: VL037710.D
Acq: 28 Sep 2021 20:01

Tgt Ion: 45 Resp: 42672
Ion Ratio Lower Upper
45 100
58 0.0 2.9 4.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19

Instrument: MSVOA_L

Delta R.T. 0.04

Lab File: ClientSampleId: SV2DL

Acq: 28 Sep 2021 20:01

Tgt Ion: 1

Ion Ratio

114 100

63 23.

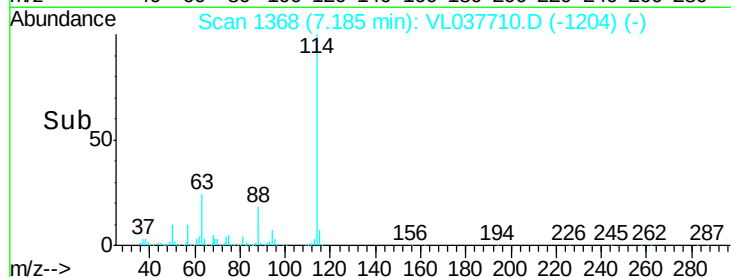
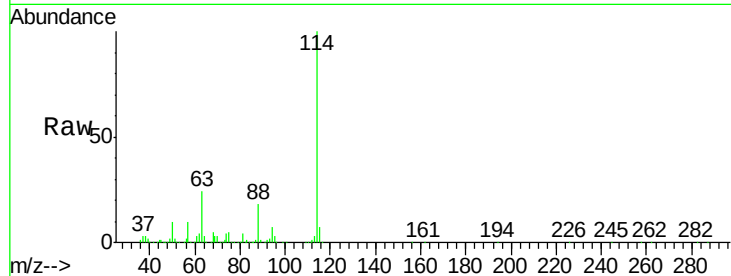
88 17.

Manual Integrations

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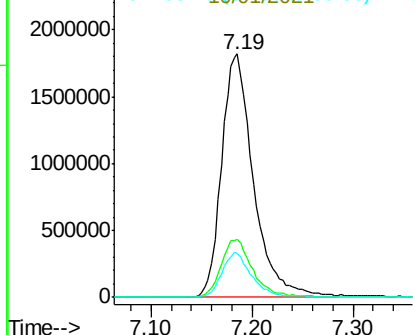
Supervised By: Amit Patel 10/01/2021



Abundance Ion 114.10 (7.1380 to 7.1480): VL037612.D (-1344) (-)

Ion 63.10 (62.80 to 63.80): VL037710.D (-1204) (-)

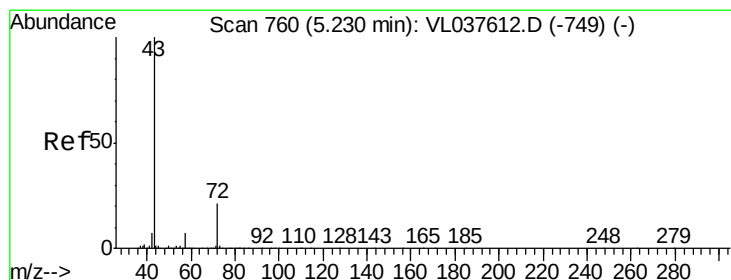
Ion 88.10 (87.80 to 88.80): VL037710.D (-1204) (-)



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#34

2-Butanone

Concen: 0.673 ppbv

RT: 5.27 min Scan# 773

Delta R.T. 0.04 min

Lab File: VL037710.D

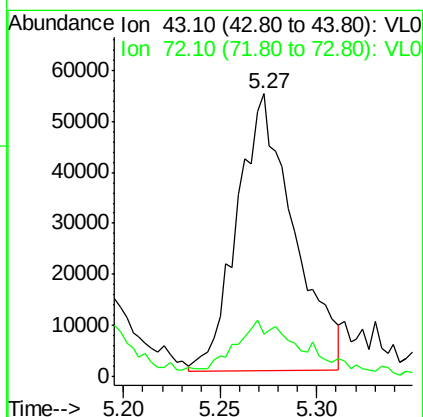
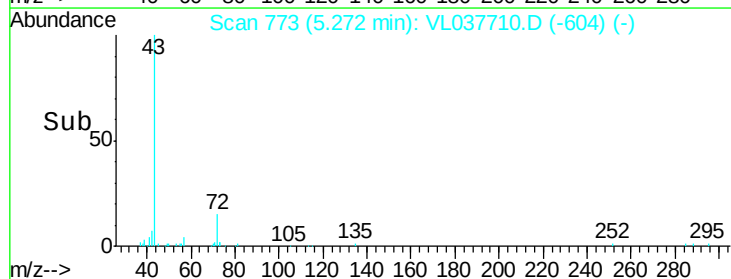
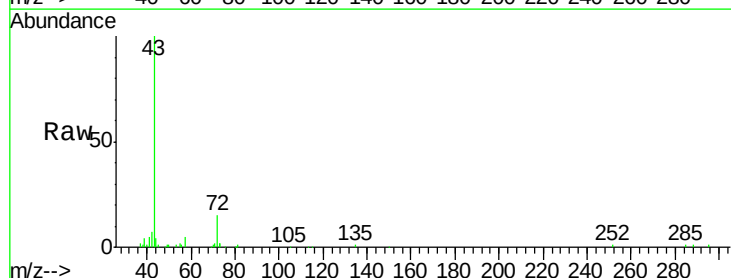
Acq: 28 Sep 2021 20:01

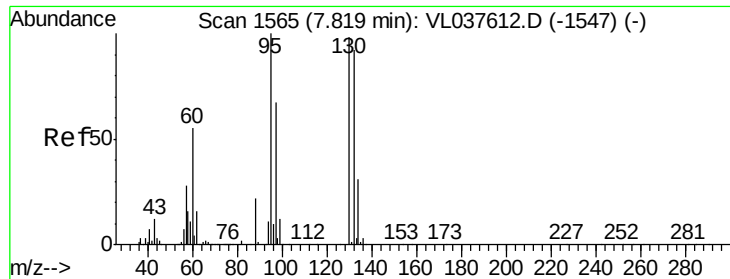
Tgt Ion: 43 Resp: 109860

Ion Ratio Lower Upper

43 100

72 29.3 18.4 27.6#



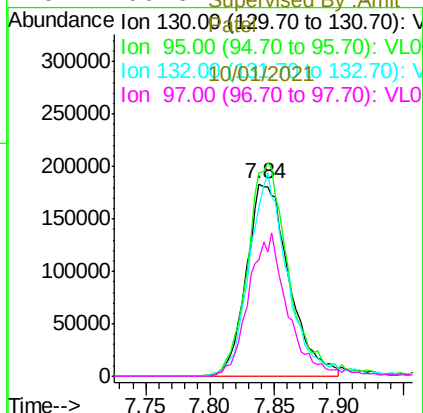
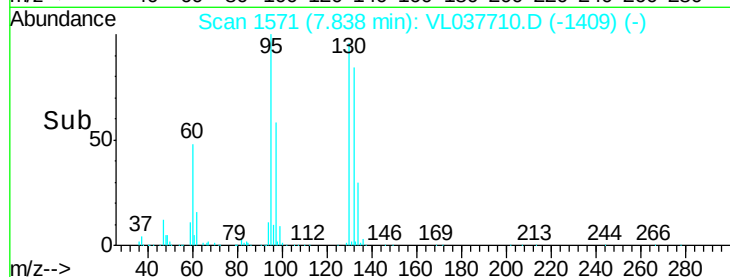
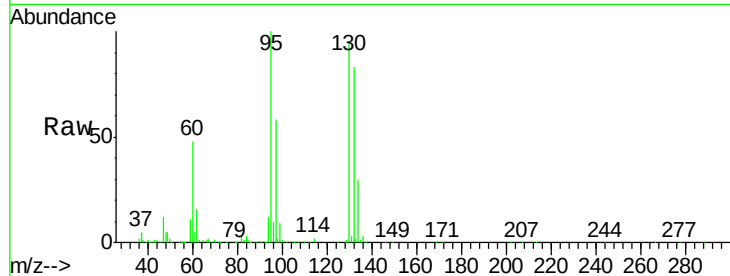


#38
 Trichloroethene
 Concen: 3.010 ppbv
 RT: 7.84
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 28 Sep 2021 20:01

Tgt Ion:1
 Ion Ratio
 130 100
 95 105.6
 132 87.7
 97 60.6

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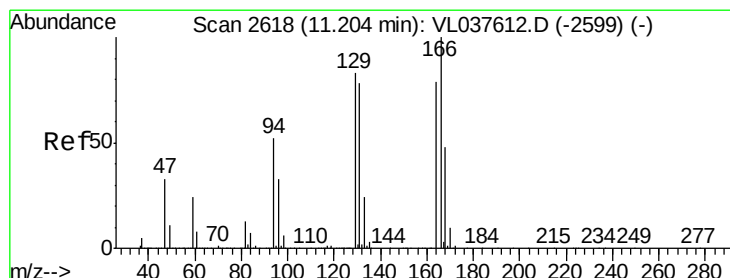
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 Supervised By :Amit Patel 10/01/2021



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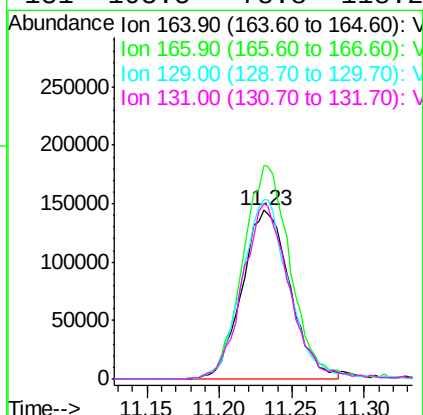
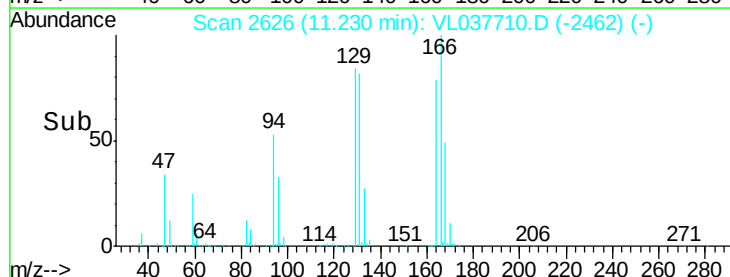
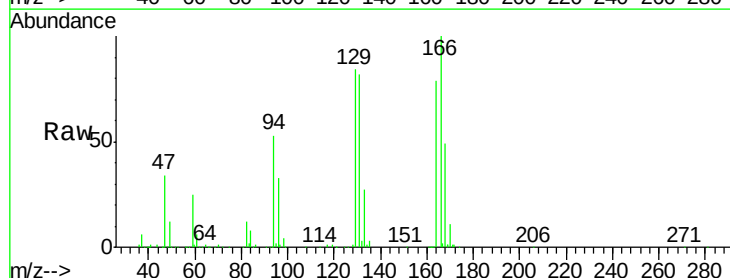
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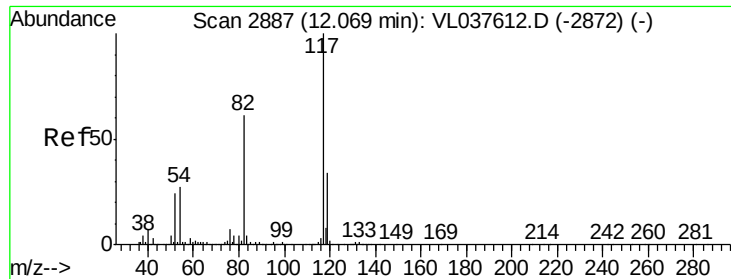
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#52
 Tetrachloroethene
 Concen: 2.587 ppbv
 RT: 11.23 min Scan# 2626
 Delta R.T.: 0.03 min
 Lab File: VL037710.D
 Acq: 28 Sep 2021 20:01

Tgt Ion:164 Resp: 332766
 Ion Ratio Lower Upper
 164 100
 166 125.9 101.2 151.8
 129 105.6 84.0 126.0
 131 103.5 78.8 118.2



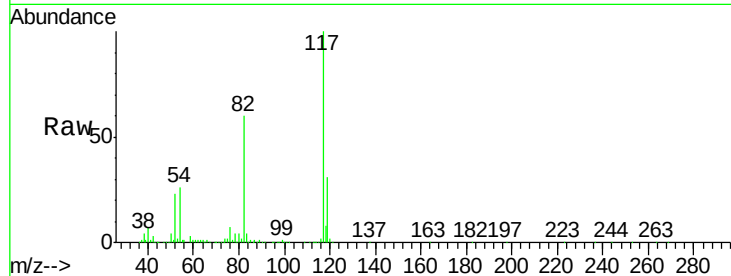


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_L
Delta R.T.: 0.03 min
Lab File: VL037612.D
Client Sample ID: SV2DL
Acq: 28 Sep 2021 20:01

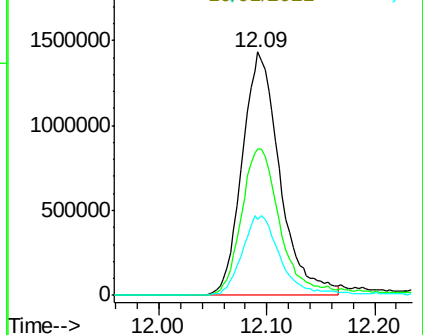
Tgt Ion: 117
Ion Ratio: 100
82 64.1
119 34.1

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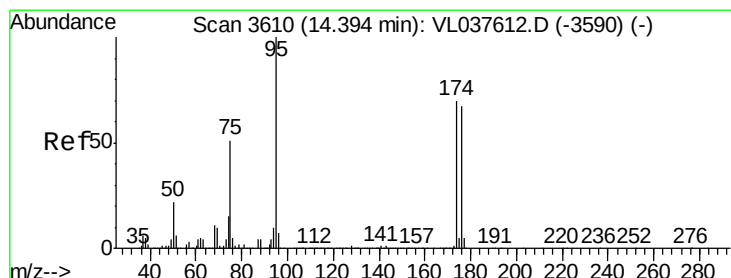
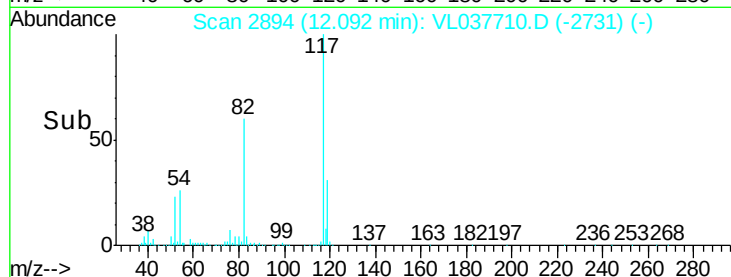
Abundance Ion 117.10 (116.80 to 117.80): VL037612.D (-2872) (-)
Ion 82.10 (81.80 to 82.80): VL037612.D (-2872) (-)
Ion 119.10 (118.80 to 119.80): VL037612.D (-2872) (-)



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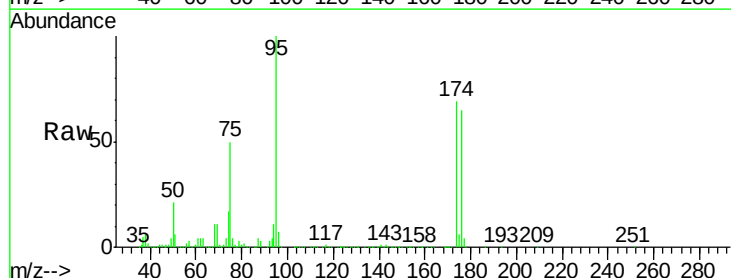
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.653 ppbv
RT: 14.42 min Scan# 3618
Delta R.T.: 0.03 min
Lab File: VL037710.D
Acq: 28 Sep 2021 20:01

Tgt Ion: 95 Resp: 2422990
Ion Ratio Lower Upper
95 100
174 78.2 56.3 84.5
175 5.7 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL037612.D (-3590) (-)
Ion 174.00 (173.70 to 174.70): VL037612.D (-3590) (-)
Ion 175.00 (174.70 to 175.70): VL037612.D (-3590) (-)

