

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037705.D
 Acq On : 28 Sep 2021 16:54
 Operator : SY/AP
 Sample : M3896-01DL2 400X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL2

Manual Integrations
 APPROVED

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

Quant Time: Sep 29 20:44:19 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1360503	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4065630	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3453710	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2434196	9.75	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Trichlorofluoromethane	3.96	101	20647m	0.104	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.50	101	61241	0.420	ppbv	94
18) 1,1-Dichloroethene	4.30	96	16893m	0.249	ppbv	
24) 1,1-Dichloroethane	5.02	63	331973m	2.369	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	3668544	16.593	ppbv	99

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

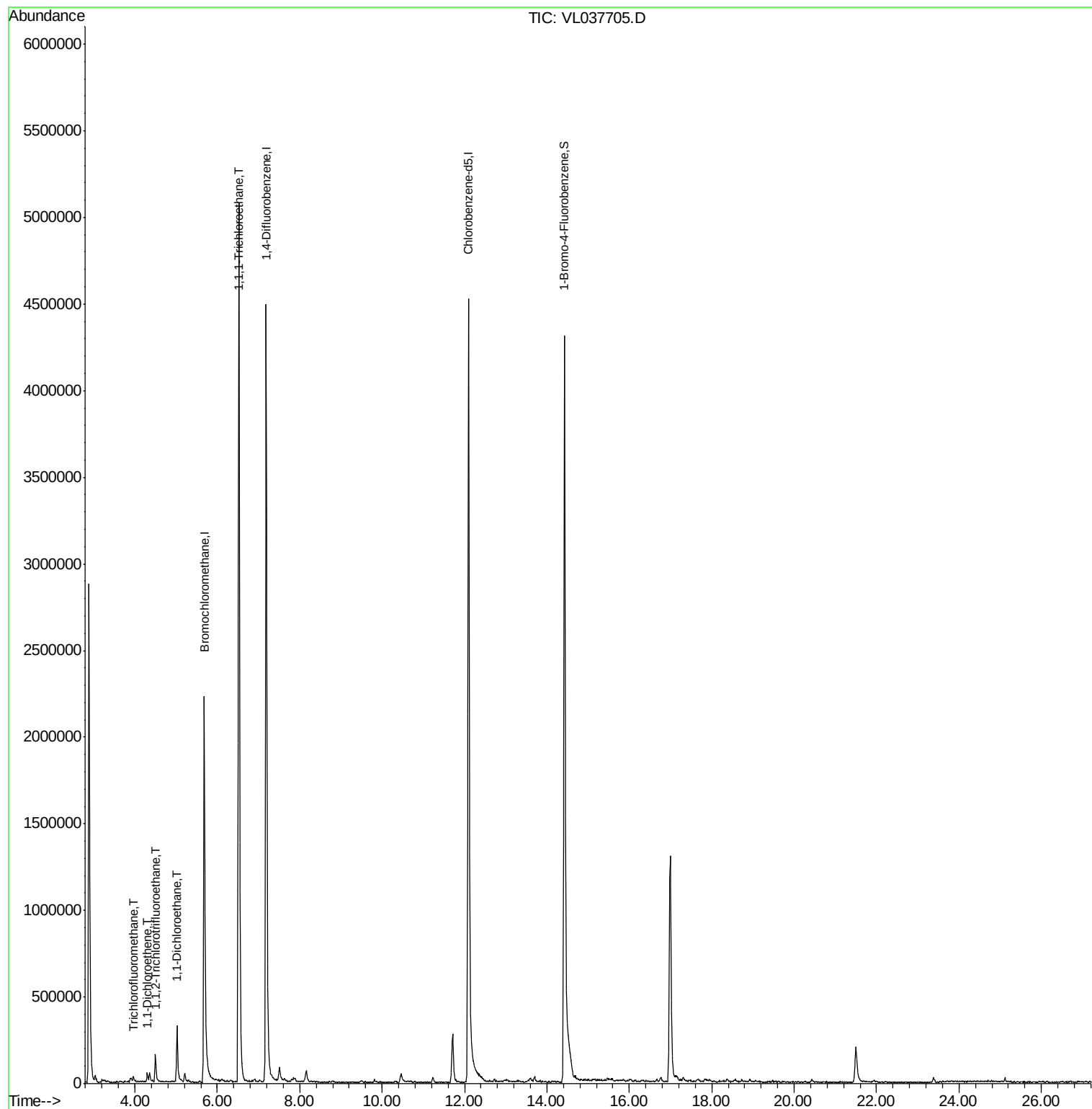
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
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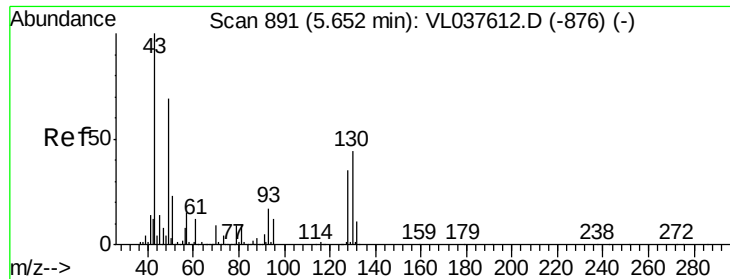
Instrument :
MSVOA_L
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 28 Sep 2021 16:54

Tgt Ion:

Ion Ratio

49 100

128 53.

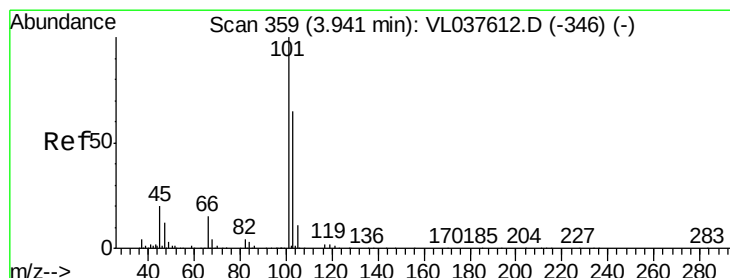
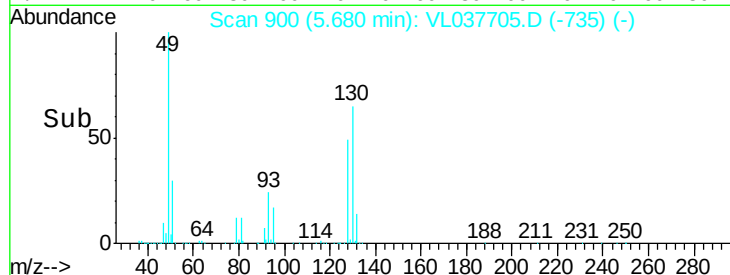
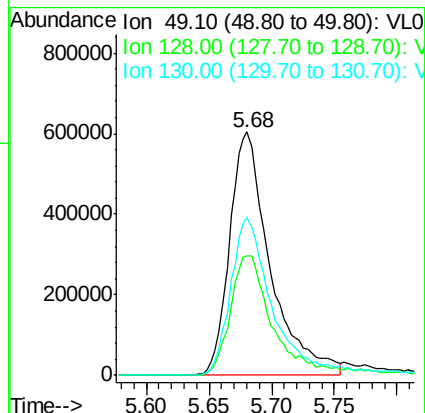
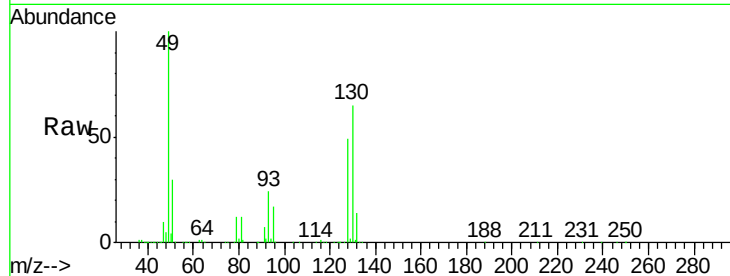
130 69.

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 0.104 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL037705.D

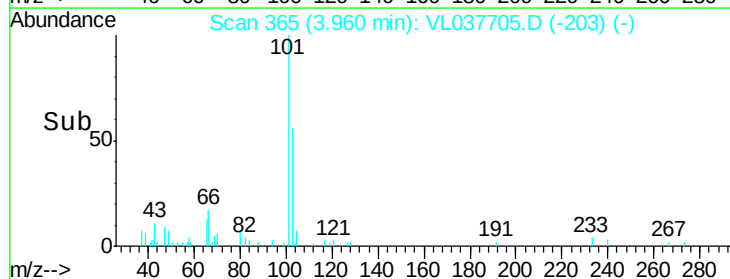
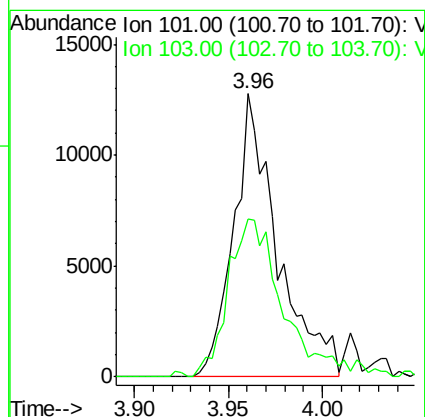
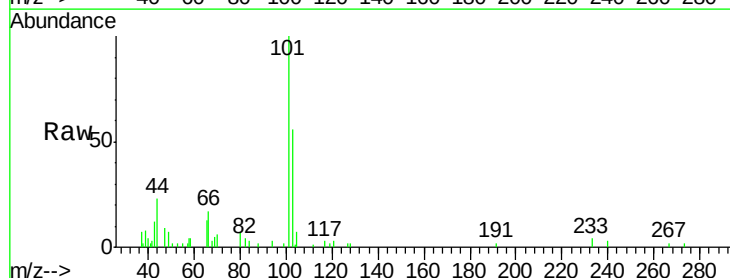
Acq: 28 Sep 2021 16:54

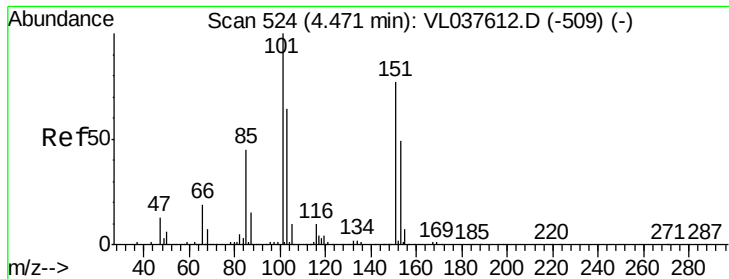
Tgt Ion:101 Resp: 20647

Ion Ratio Lower Upper

101 100

103 55.7 51.9 77.9





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.420 ppbv

RT: 4.50 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 28 Sep 2021 16:54 INFLUENTDL2

Tgt Ion:1

Ion Rati

101 100

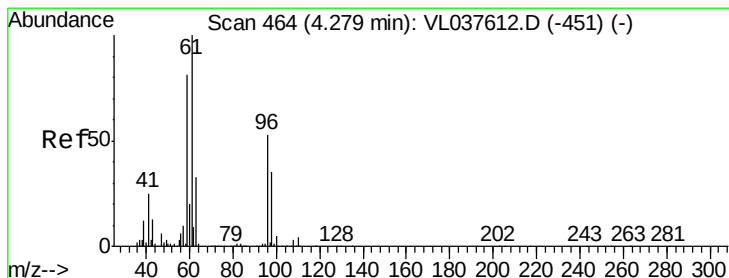
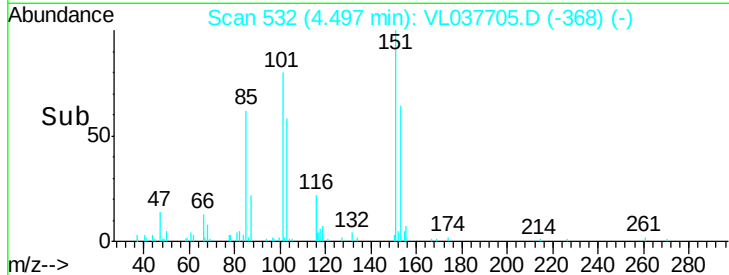
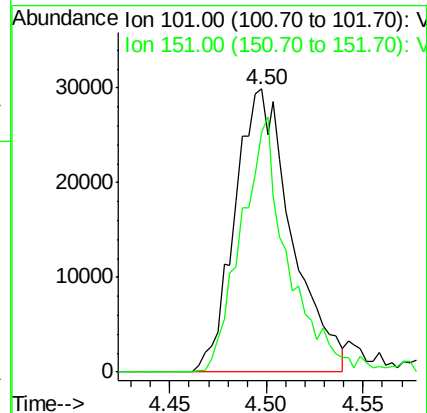
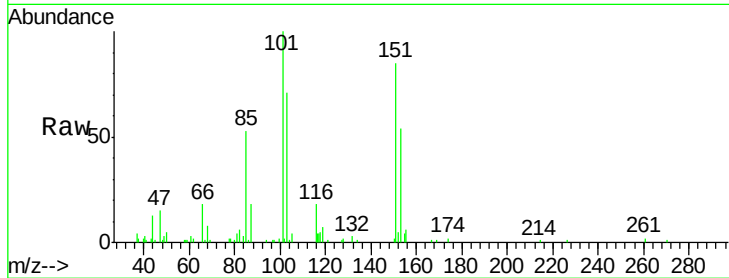
151 74.

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#18

1,1-Dichloroethene

Concen: 0.249 ppbv m

RT: 4.30 min Scan# 472

Delta R.T. 0.03 min

Lab File: VL037705.D

Acq: 28 Sep 2021 16:54

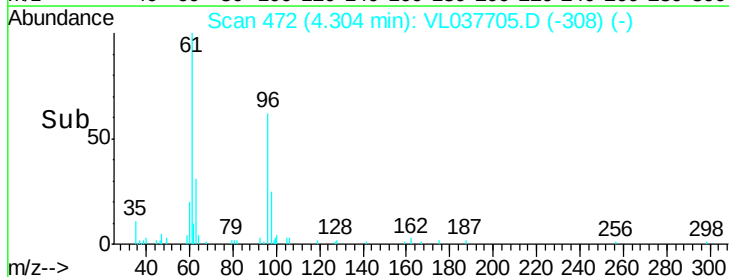
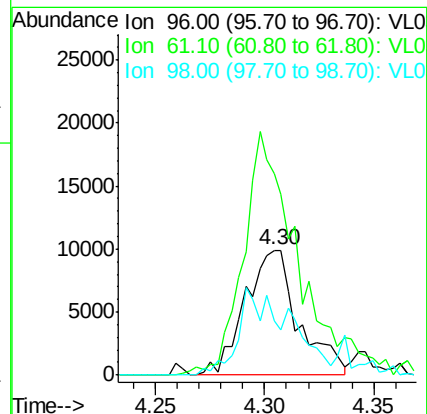
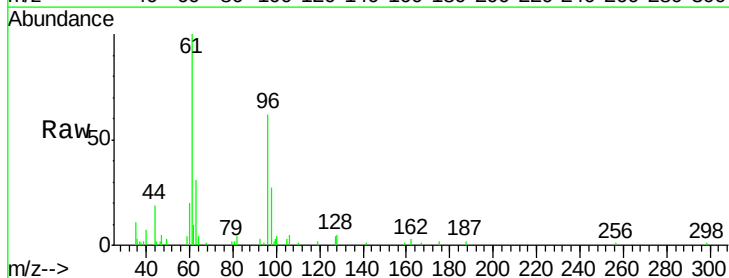
Tgt Ion: 96 Resp: 16893

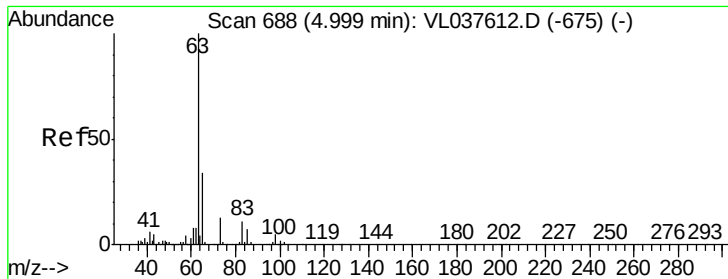
Ion Ratio Lower Upper

96 100

61 161.1 150.4 225.6

98 43.6 52.1 78.1#





#24

1,1-Dichloroethane

Concen: 2.369 ppbv m

RT: 5.02 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 28 Sep 2021 16:54 INFLUENTDL2

Tgt Ion:

Ion Ratio

63 100

98 4.

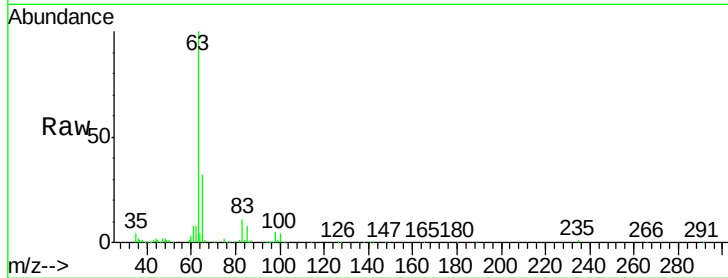
100 4.

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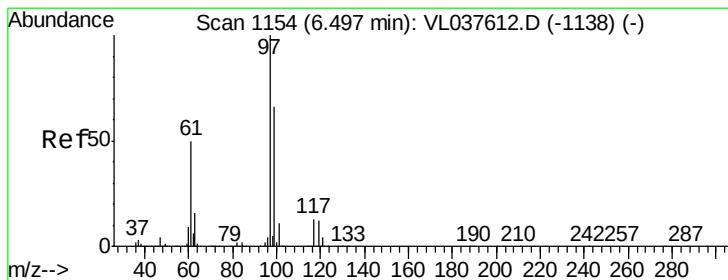
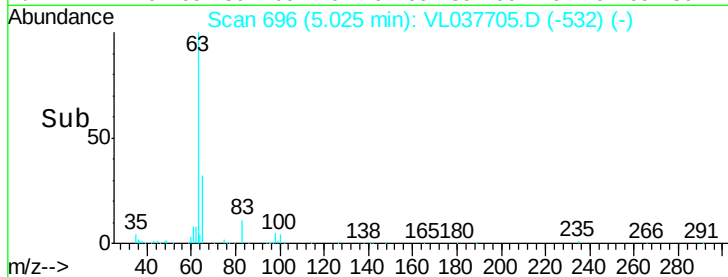
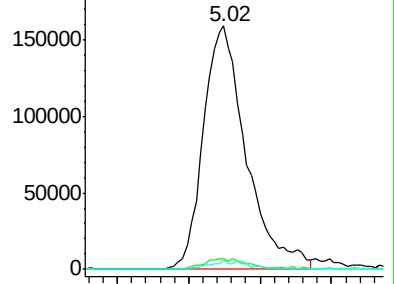
Supervised By :Amit Patel 10/01/2021



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#32

1,1,1-Trichloroethane

Concen: 16.593 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.03 min

Lab File: VL037705.D

Acq: 28 Sep 2021 16:54

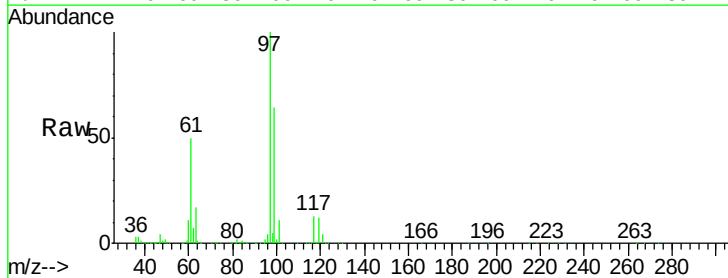
Tgt Ion: 97 Resp: 3668544

Ion Ratio Lower Upper

97 100

99 66.0 52.3 78.5

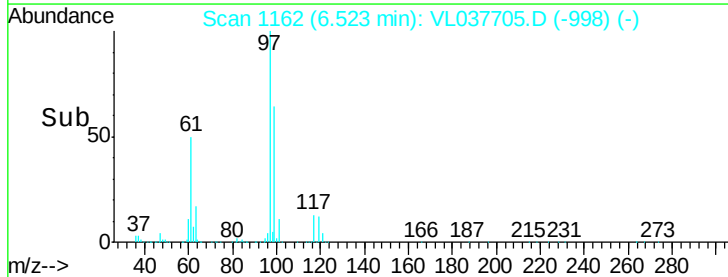
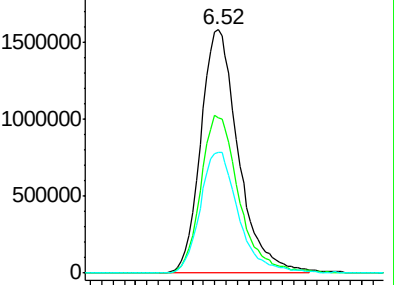
61 50.9 39.5 59.3

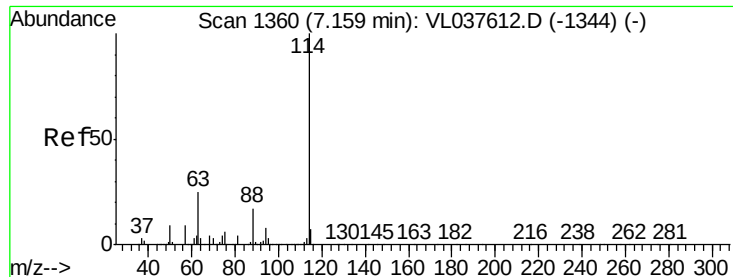


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



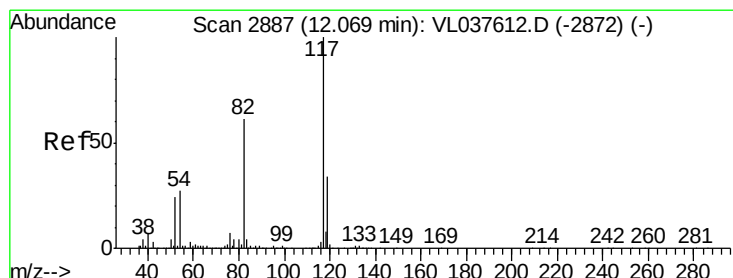
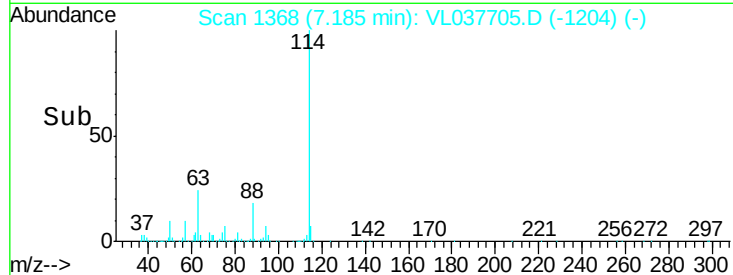
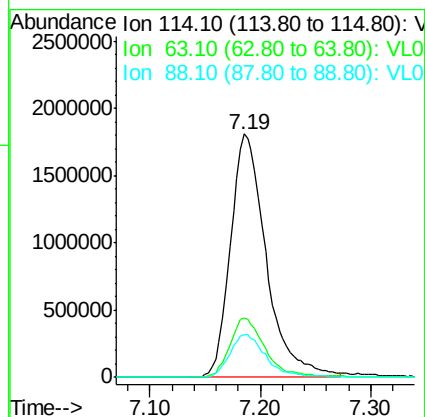
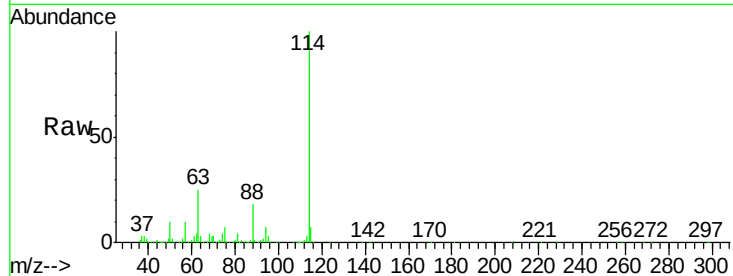


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 28 Sep 2021 16:54

Tgt Ion: 114
 Ion Ratio: 100
 63 24.1
 88 17.1

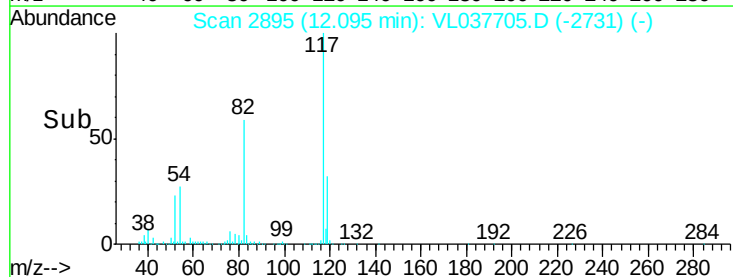
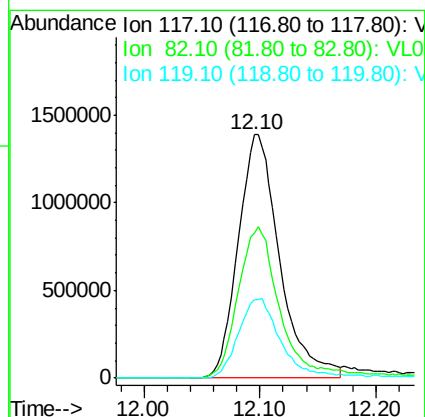
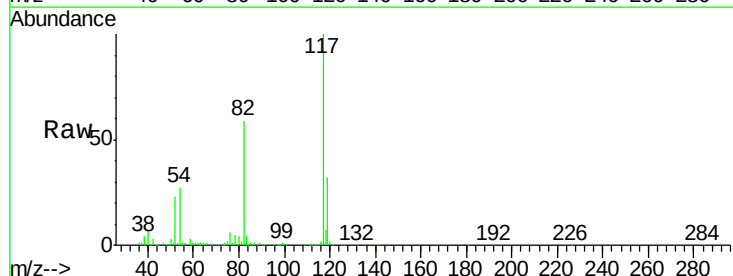
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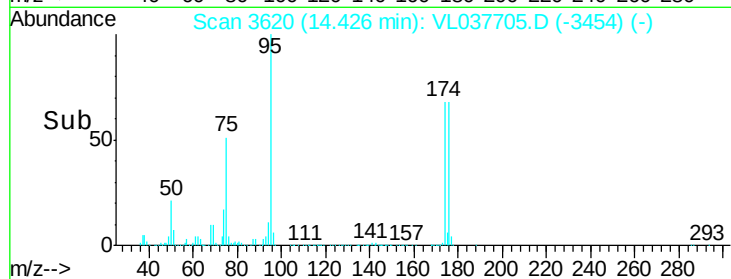
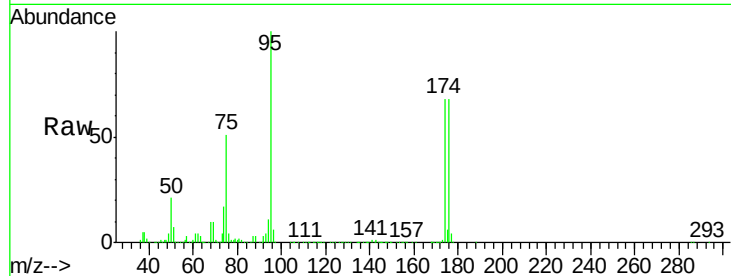
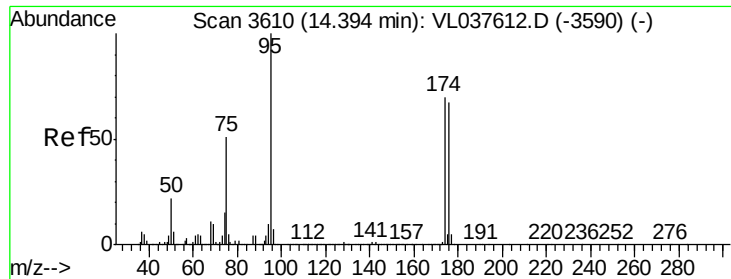
Reviewed By: Semsettin Yesilyurt 09/29/2021
 Supervised By: Amit Patel 10/01/2021



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2895
 Delta R.T.: 0.03 min
 Lab File: VL037705.D
 Acq: 28 Sep 2021 16:54

Tgt Ion: 117 Resp: 3453710
 Ion Ratio Lower Upper
 117 100
 82 64.1 50.6 75.8
 119 34.8 26.2 39.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.752 ppbv
 RT: 14.43
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Sep 2021 10:34

Tgt Ion:
 Ion Ratio
 95 100
 174 78.
 175 5.

Manual Integrations
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 Supervised By :Amit Patel 10/01/2021

