

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102521\
 Data File : VL037903.D
 Acq On : 25 Oct 2021 21:09
 Operator : SY/AP
 Sample : M4068-15 0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2021

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021

Quant Time: Oct 27 12:12:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1430350	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	4297847	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3495715	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2567256	10.50	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.28	62	10262m	0.111	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	26512m	0.110	ppbv	
35) Carbon Tetrachloride	7.04	117	23618m	0.097	ppbv	
38) Trichloroethene	7.85	130	12219m	0.084	ppbv	
52) Tetrachloroethene	11.24	164	11664m	0.082	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	31439m	0.106	ppbv	

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

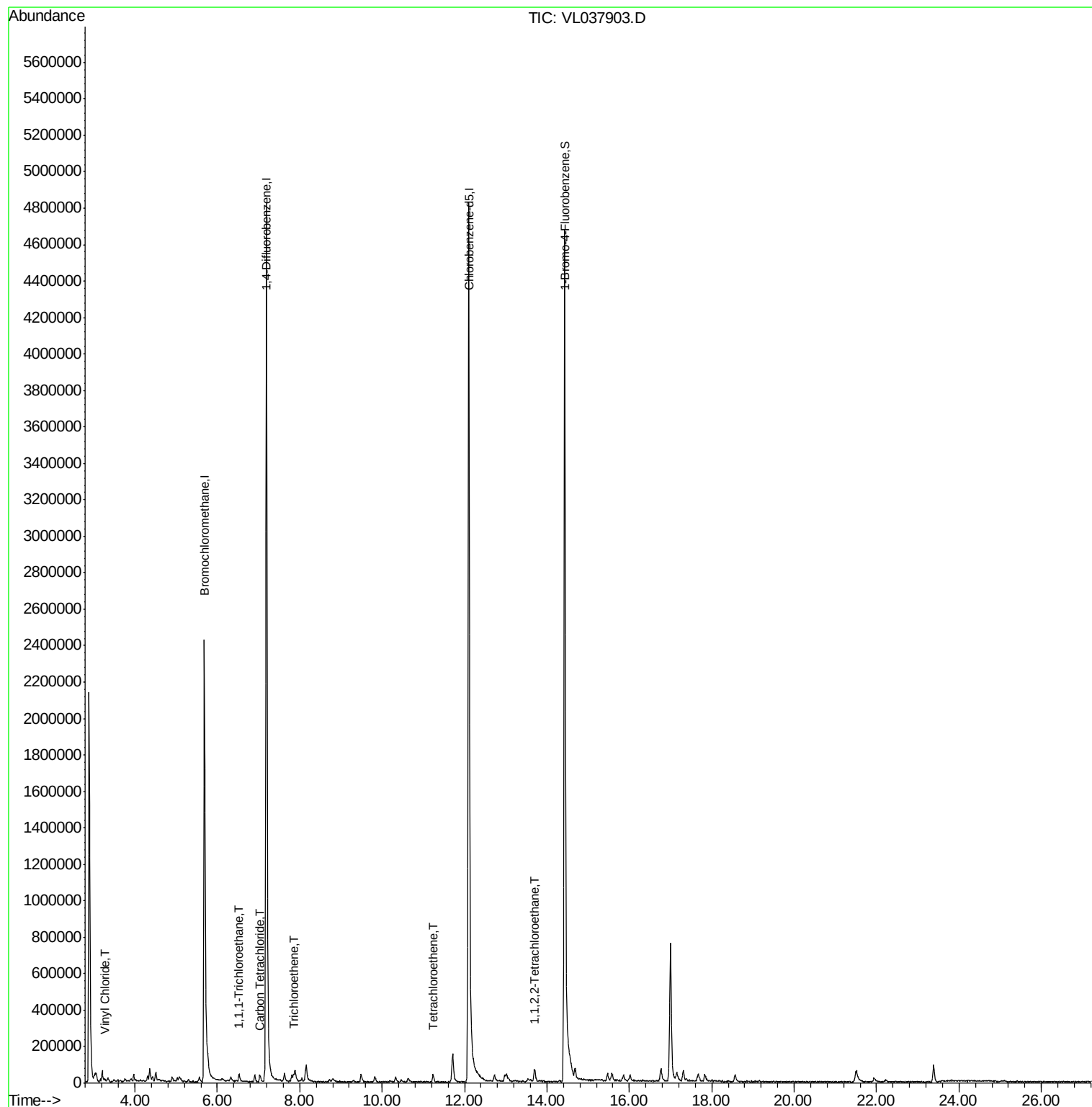
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL102521\
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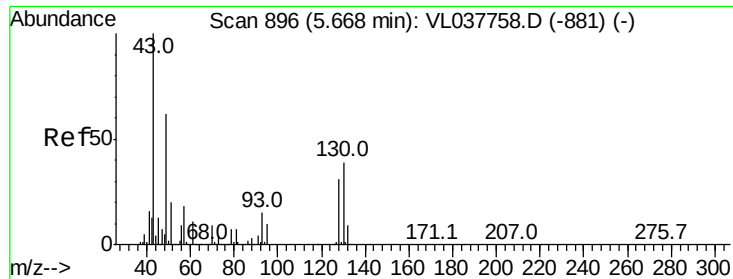
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2021

Quant Time: Oct 27 12:12:05 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL100421
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 21:09

Tot Ion:

Ion Ratio

49 100

128 54.

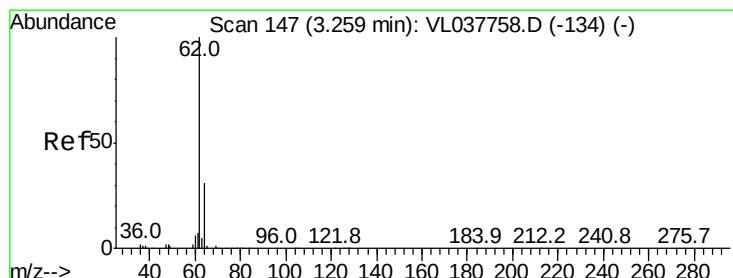
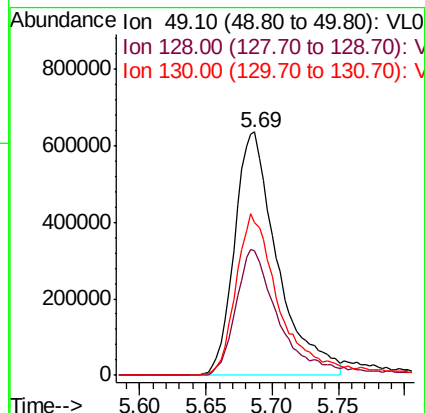
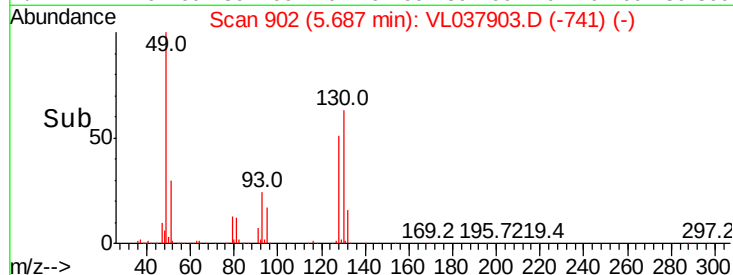
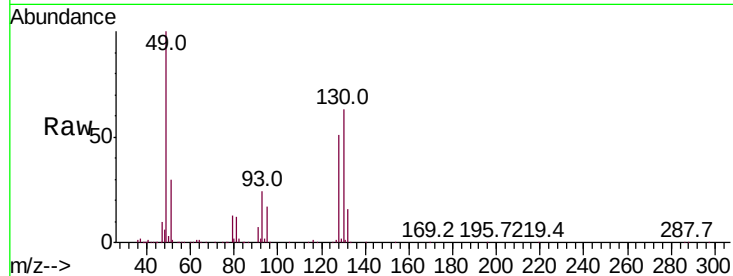
130 69.

Manual Integrations

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Supervised By :Mahesh Dadoda 10/27/2021



#5

Vinyl Chloride

Concen: 0.111 ppbv m

RT: 3.28 min Scan# 153

Delta R.T. 0.02 min

Lab File: VL037903.D

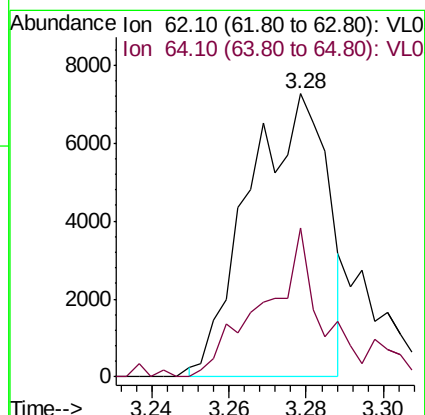
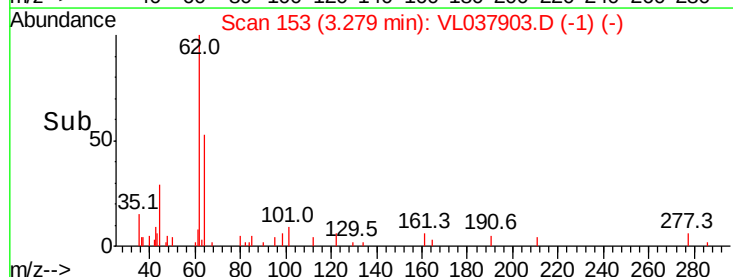
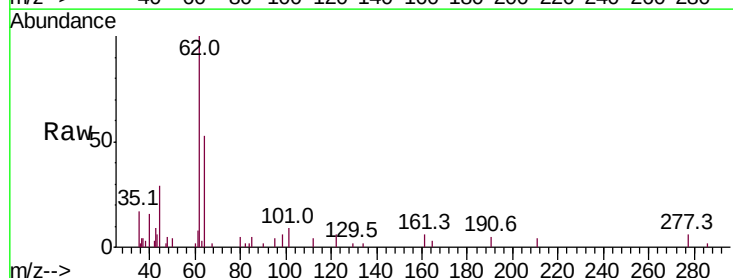
Acq: 25 Oct 2021 21:09

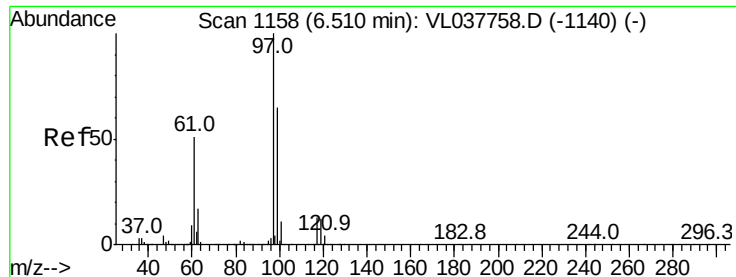
Tgt Ion: 62 Resp: 10262

Ion Ratio Lower Upper

62 100

64 52.6 24.9 37.3#





#32

1,1,1-Trichloroethane

Concen: 0.110 ppbv m

RT: 6.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 21:09 MDL-AIR-03-OT4-2021

Tot Ion:

Ion Ratio

97 100

99 66.

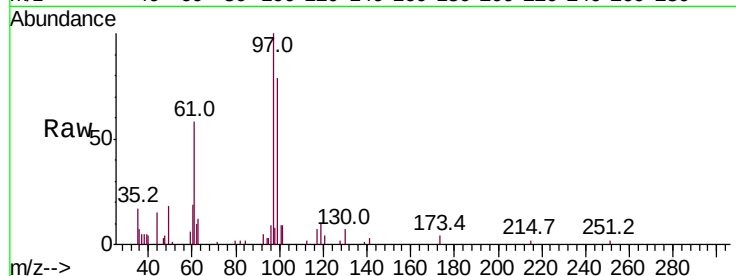
61 53.

Manual Integrations

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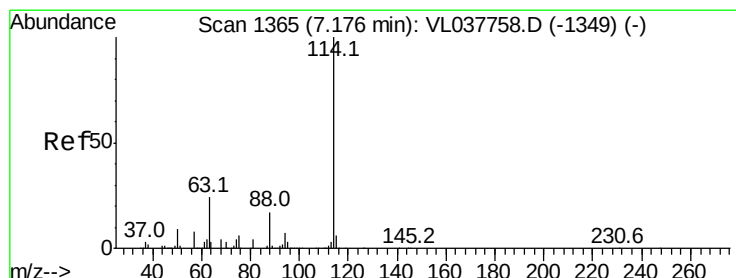
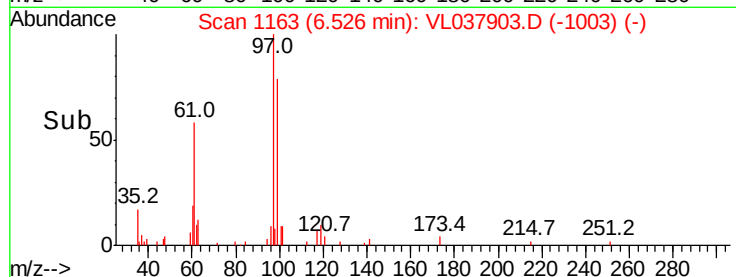
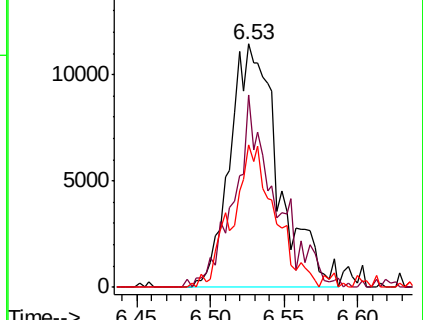
Supervised By :Mahesh Dadoda 10/27/2021



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 min Scan# 1370

Delta R.T. 0.02 min

Lab File: VL037903.D

Acq: 25 Oct 2021 21:09

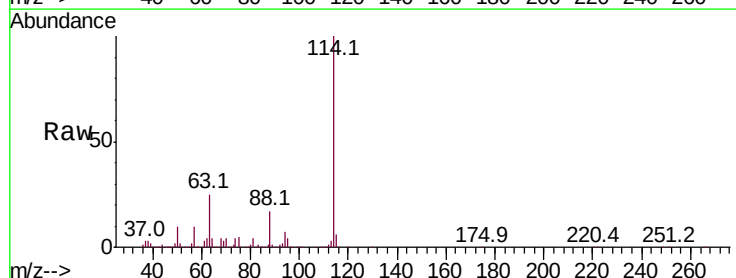
Tgt Ion:114 Resp: 4297847

Ion Ratio Lower Upper

114 100

63 24.2 19.4 29.2

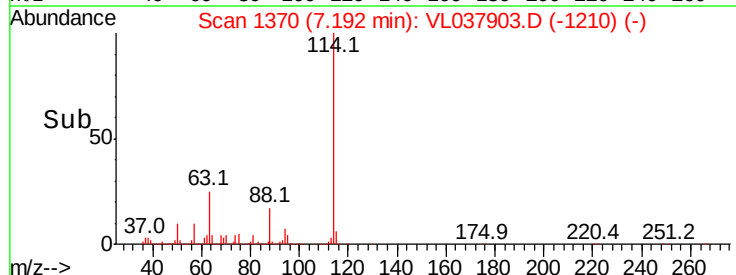
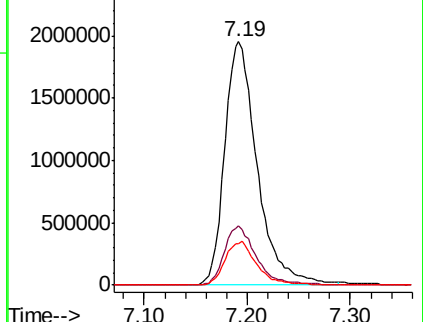
88 17.9 14.4 21.6

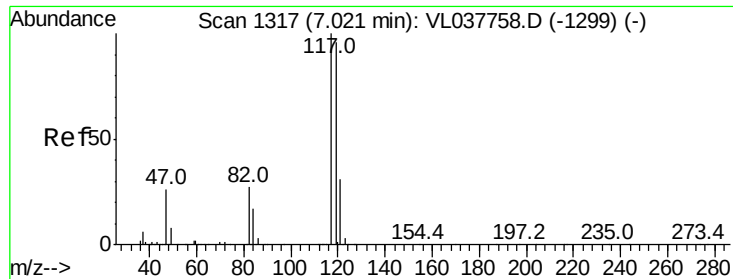


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.097 ppbv m

RT: 7.04 Instrument:

Delta R.T. MSVOA_L

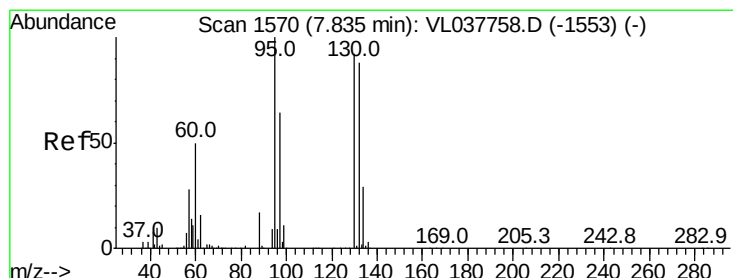
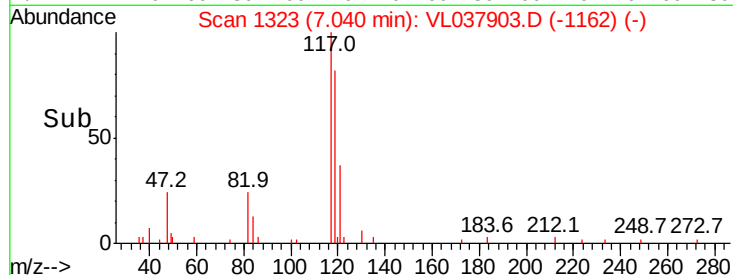
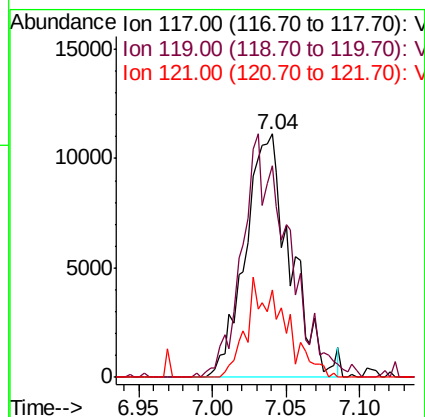
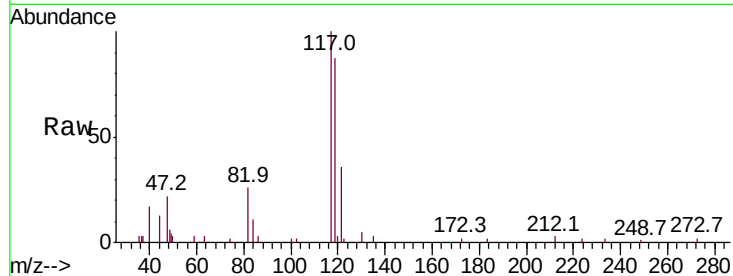
Lab File: ClientSampleId:

Acq: 25 Oct 2021 21:09 MDL-AIR-03-OT4-2021

Tot Ion:1
Ion Rati
117 100
119 87.
121 35.

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#38

Trichloroethene

Concen: 0.084 ppbv m

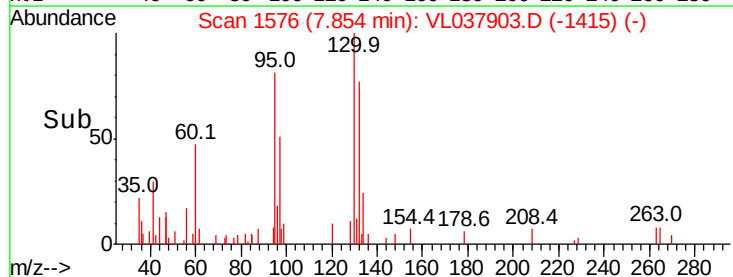
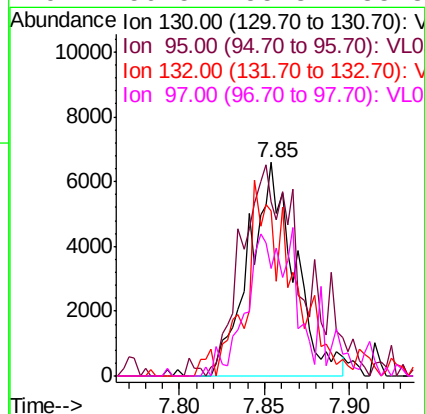
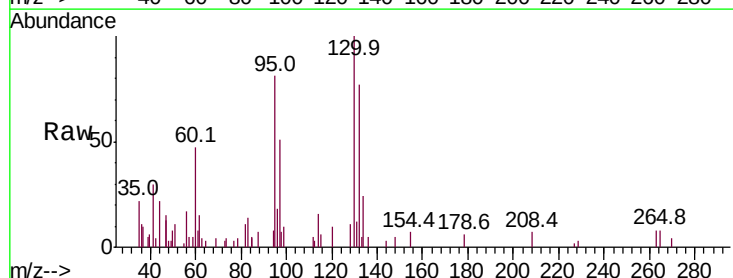
RT: 7.85 min Scan# 1576

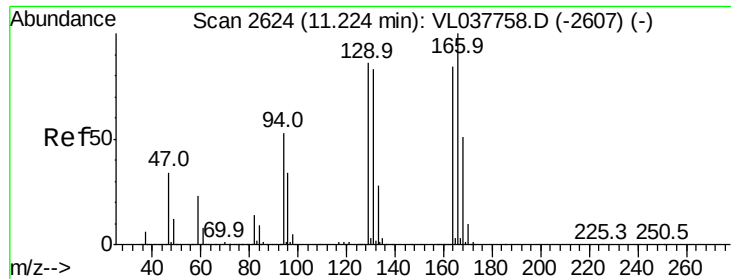
Delta R.T. 0.02 min

Lab File: VL037903.D

Acq: 25 Oct 2021 21:09

Tgt Ion:130 Resp: 12219
Ion Ratio Lower Upper
130 100
95 81.4 87.4 131.0#
132 77.1 76.8 115.2
97 50.5 55.8 83.8#





#52

Tetrachloroethene

Concen: 0.082 ppbv m

RT: 11.24

Delta R.T. MSVOA_L

Lab File:

Acq: 25 Oct 2021 21:09

ClientSampleId :

MDL-AIR-03-QT4-2021

Tot Ion:1

Ion Ratio

164 100

166 135.

129 105.

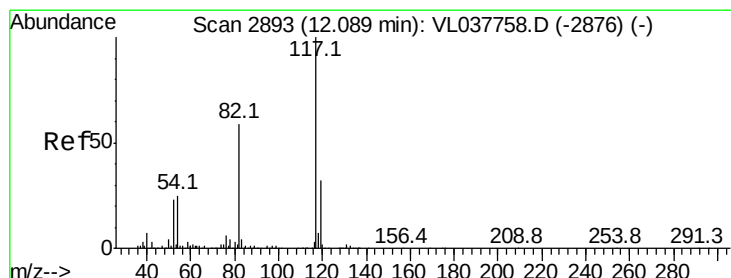
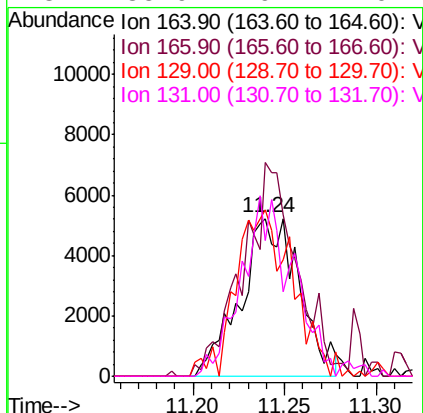
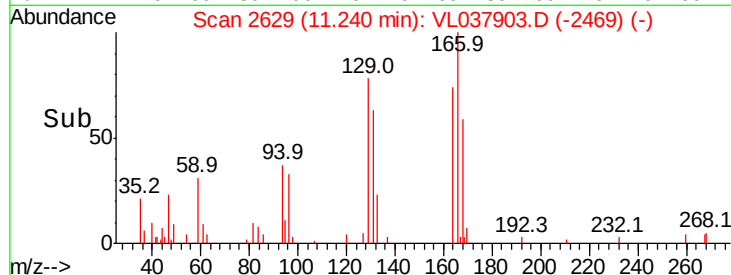
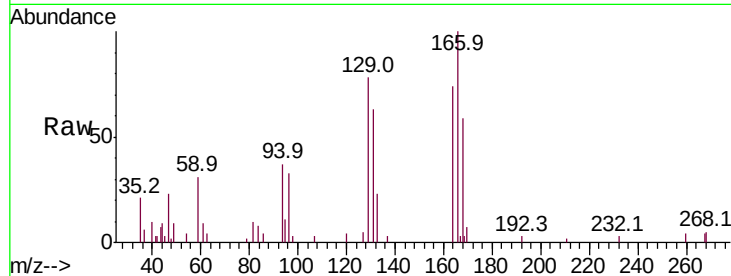
131 85.9 79.4 119.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL037903.D

Acq: 25 Oct 2021 21:09

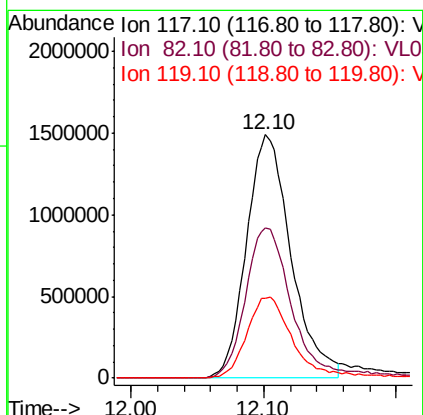
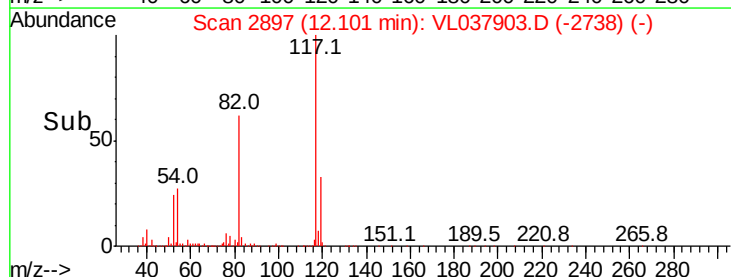
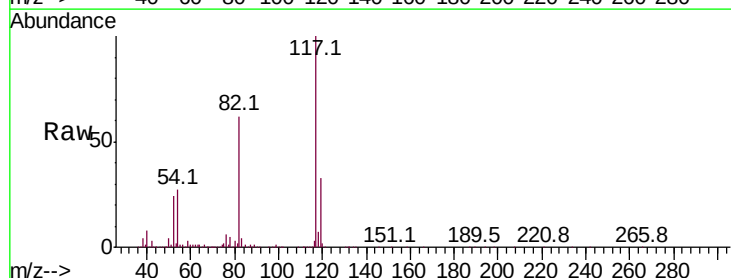
Tgt Ion:117 Resp: 3495715

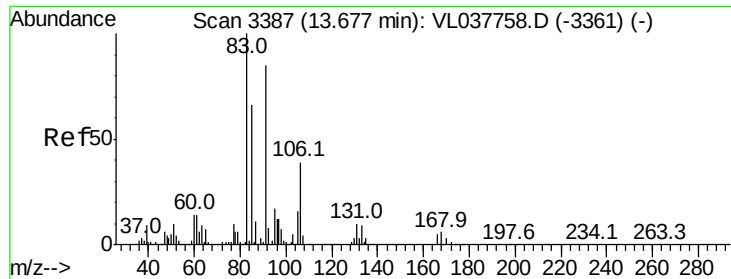
Ion Ratio Lower Upper

117 100

82 66.6 52.2 78.2

119 35.6 26.0 39.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.106 ppbv m

RT: 13.70

Delta R.T. MSVOA_L

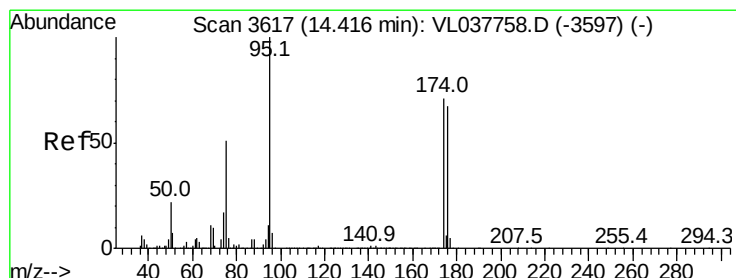
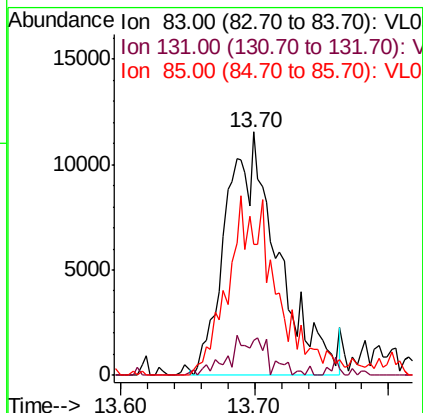
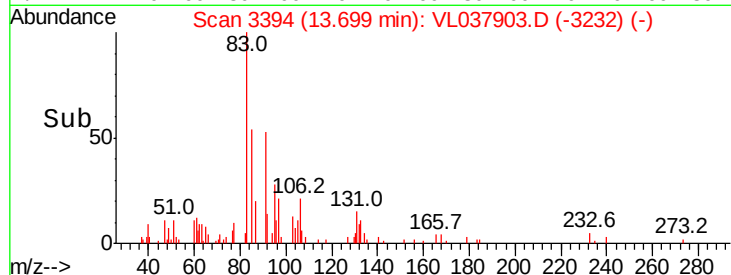
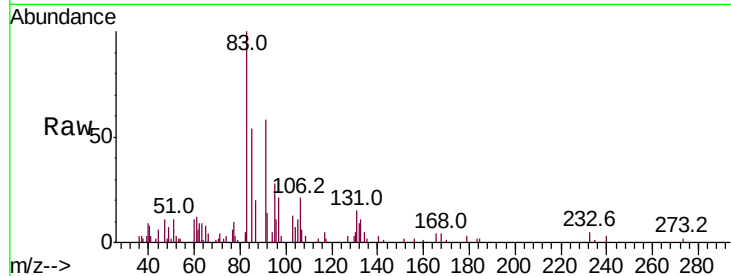
Lab File: ClientSampleId :

Acq: 25 Oct 2021 21:09 MDL-AIR-03-QT4-2021

Tot Ion:
Ion Rati
83 100
131 12.
85 69.

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.502 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.01 min

Lab File: VL037903.D

Acq: 25 Oct 2021 21:09

Tgt Ion: 95 Resp: 2567256
Ion Ratio Lower Upper
95 100
174 72.8 57.8 86.6
175 5.5 4.7 7.1

