

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101821\
 Data File : VL037860.D
 Acq On : 18 Oct 2021 20:01
 Operator : SY/AP
 Sample : M4068-13 0.1 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2021

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021
 Supervised By :Mahesh Dadoda 10/27/2021

Quant Time: Oct 19 09:07:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-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	5.67	49	1236757	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3633750	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3071669	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2197088	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	11300m	0.142	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	23272	0.112	ppbv	93
35) Carbon Tetrachloride	7.01	117	23080m	0.112	ppbv	
38) Trichloroethene	7.84	130	12915m	0.105	ppbv	
52) Tetrachloroethene	11.22	164	12865m	0.107	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	29346m	0.112	ppbv	

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

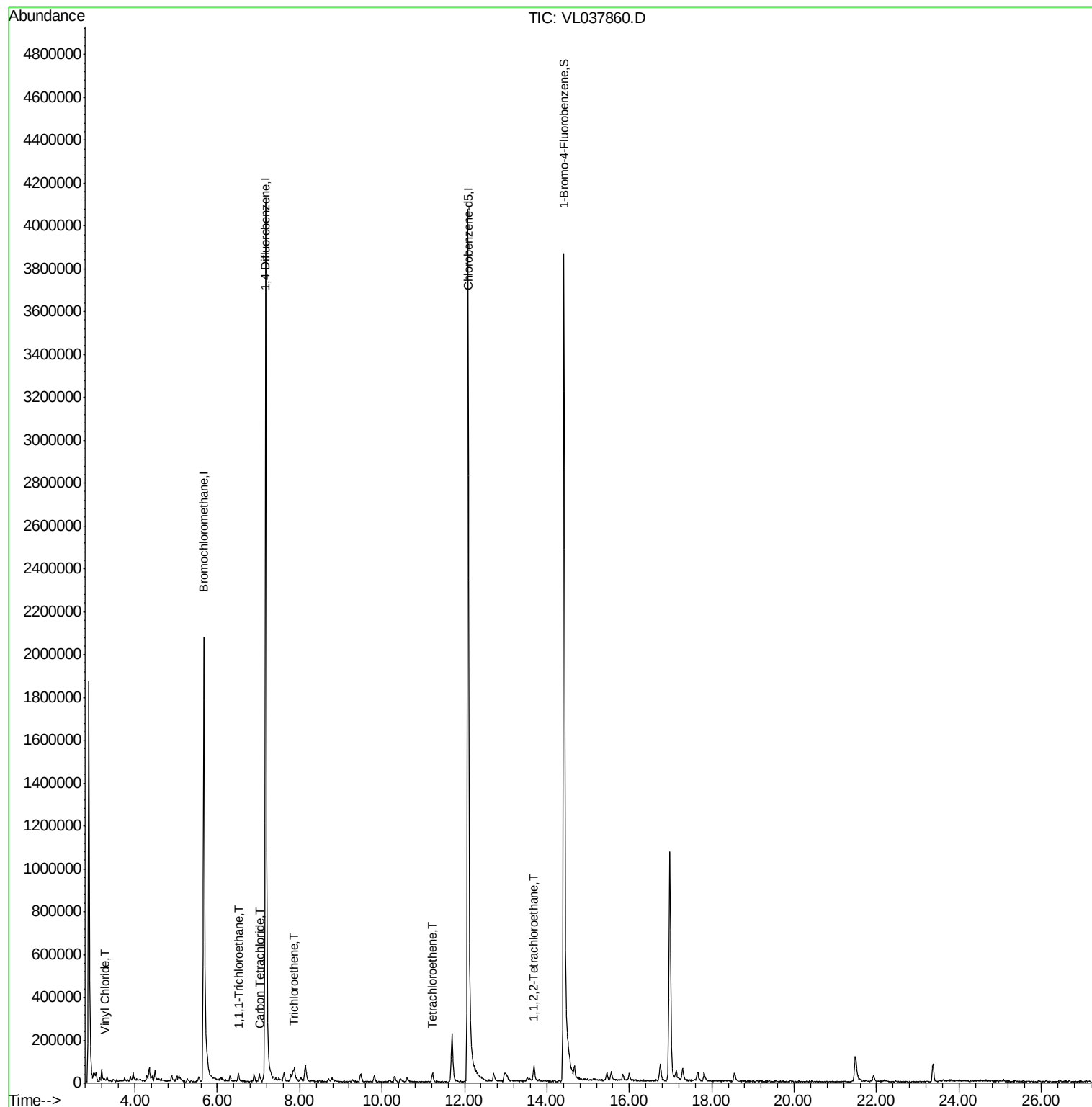
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101821\
Data File : VL037860.D
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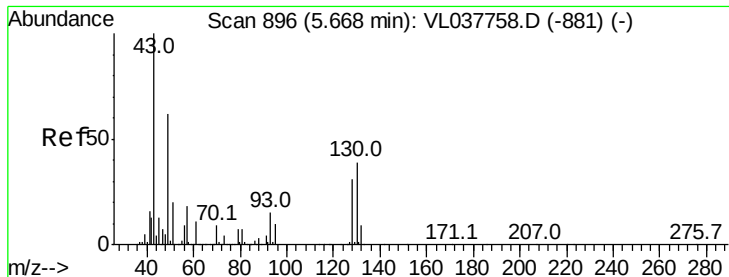
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2021

Quant Time: Oct 19 09:07:57 2021
Quant Method : Z:\VOASRV\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: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 18 Oct 2021 20:01

Tot Ion:

Ion Ratio

49 100

128 54.

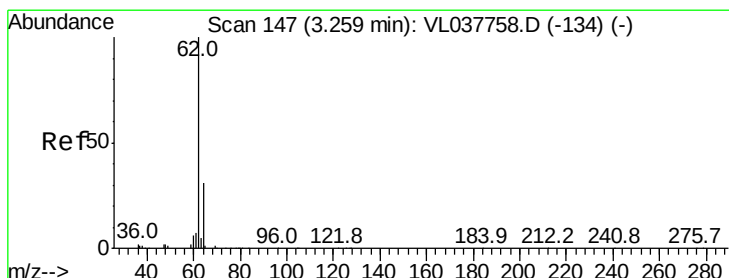
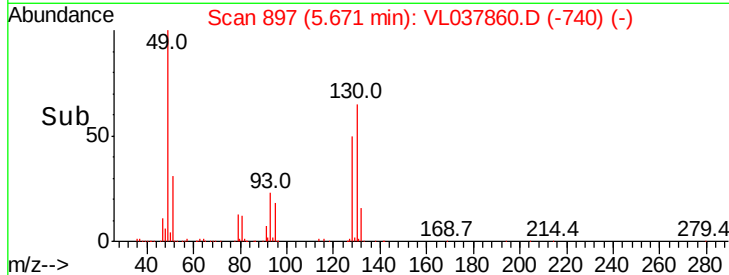
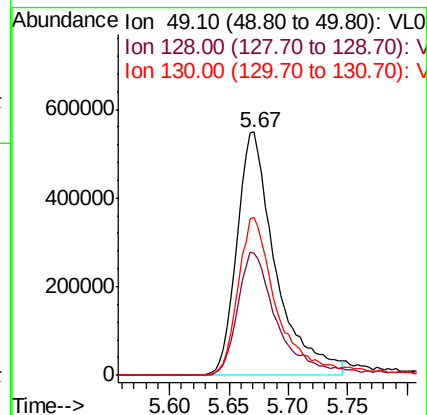
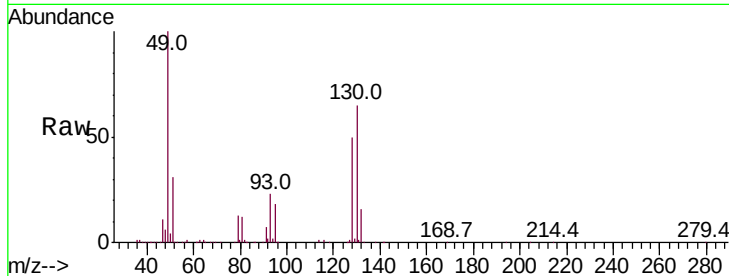
130 69.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.142 ppbv m

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037860.D

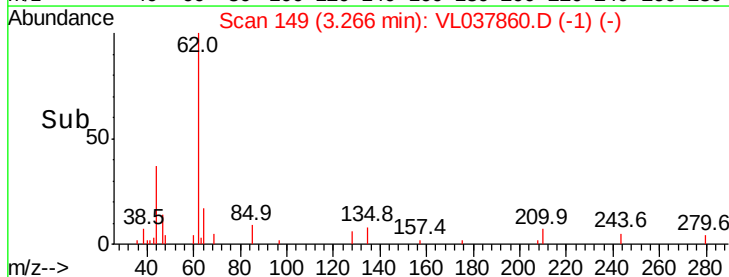
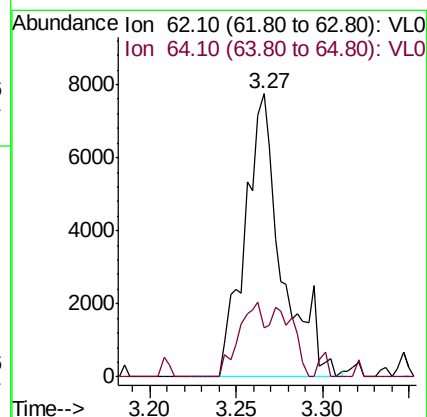
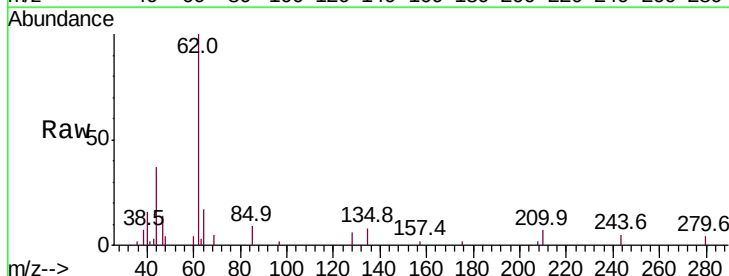
Acq: 18 Oct 2021 20:01

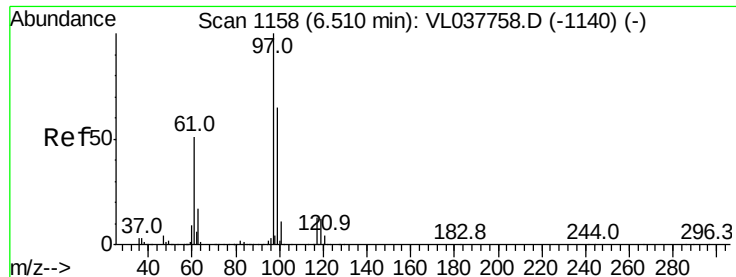
Tgt Ion: 62 Resp: 11300

Ion Ratio Lower Upper

62 100

64 17.2 24.9 37.3#





#32

1,1,1-Trichloroethane

Concen: 0.112 ppbv

RT: 6.51 Instrument: MSVOA_1

Delta R.T. 0.00

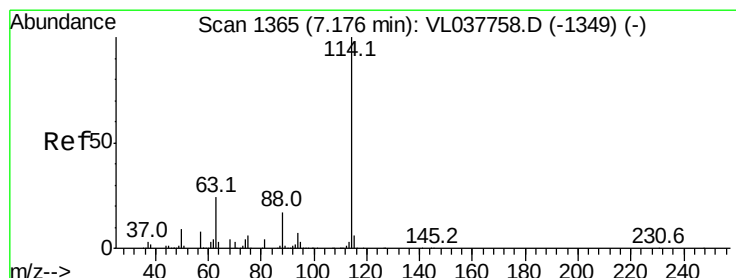
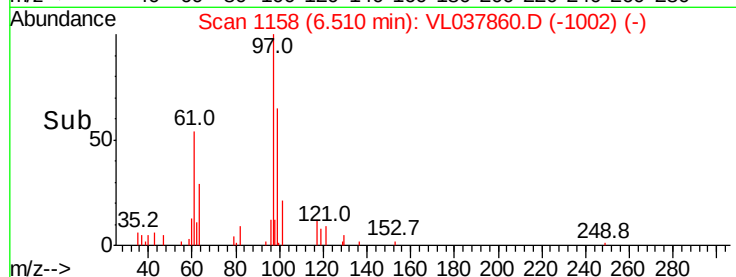
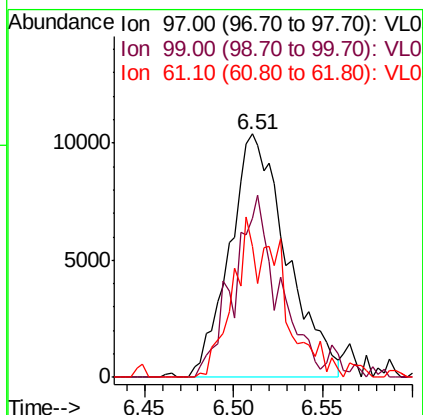
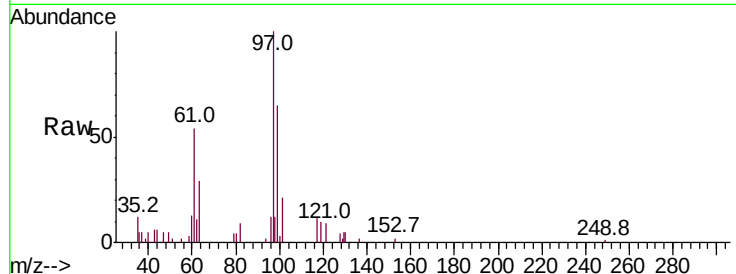
Lab File: ClientSampleId: LOD-MDL-AIR-01-QT4-2021

Acq: 18 Oct 2021 20:01

Tot Ion:
Ion Ratio
97 100
99 62.
61 58.

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

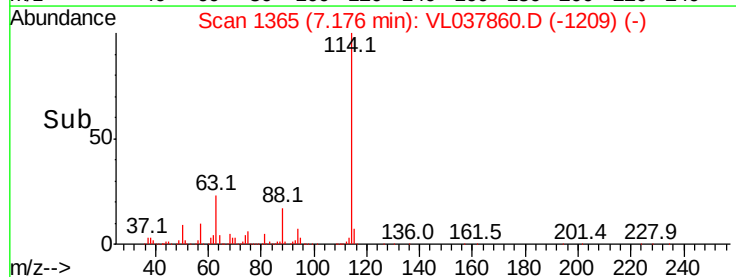
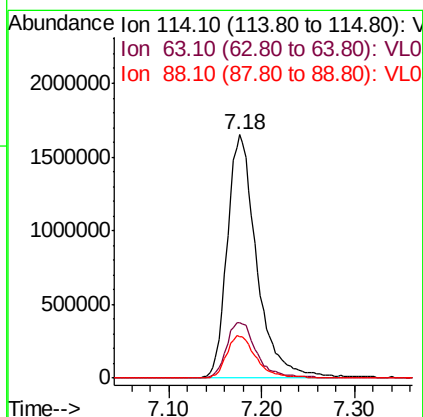
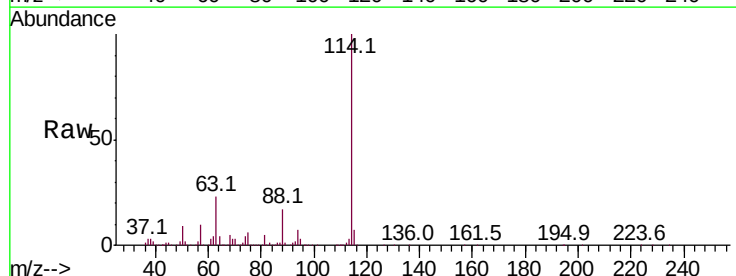
RT: 7.18 min Scan# 1365

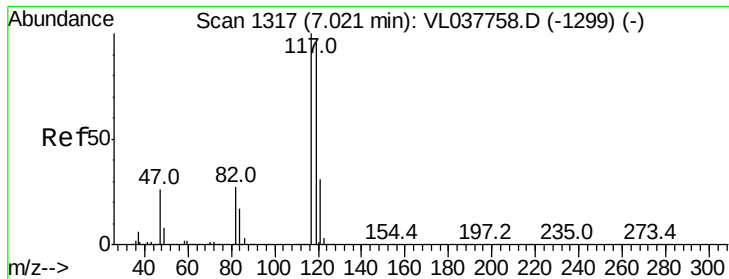
Delta R.T. 0.00 min

Lab File: VL037860.D

Acq: 18 Oct 2021 20:01

Tgt Ion:114 Resp: 3633750
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.2
88 17.7 14.4 21.6





#35

Carbon Tetrachloride

Concen: 0.112 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

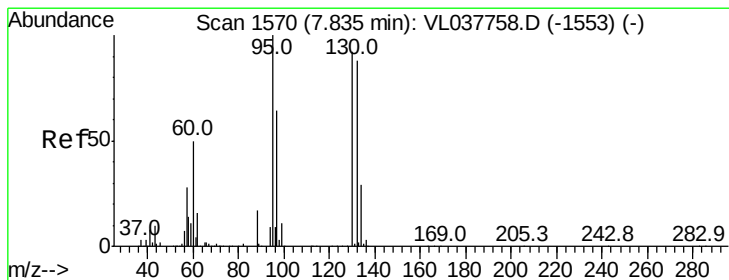
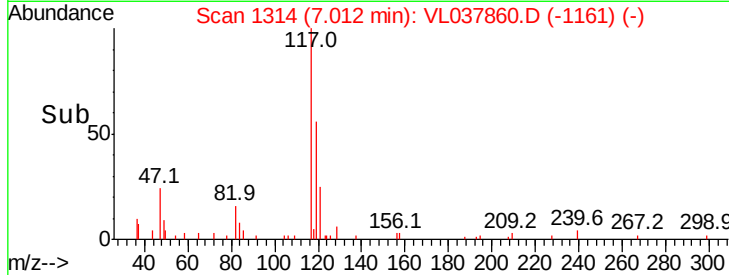
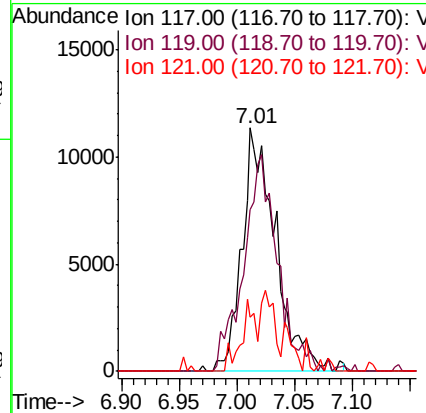
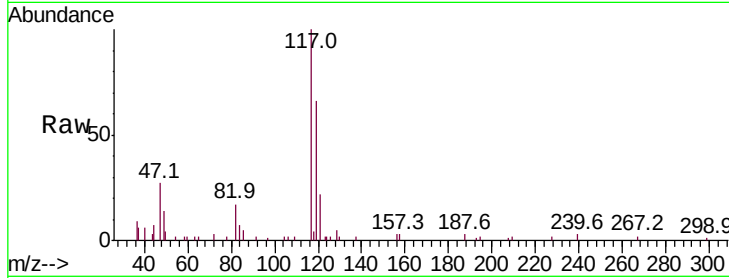
Lab File: ClientSampleId:

Acq: 18 Oct 2021 20:01 LOD-MDL-AIR-01-QT4-2021

Tot Ion:1
Ion Rati
117 100
119 66.
121 22.

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#38

Trichloroethene

Concen: 0.105 ppbv m

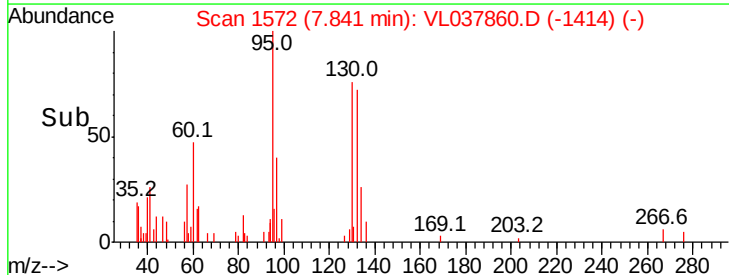
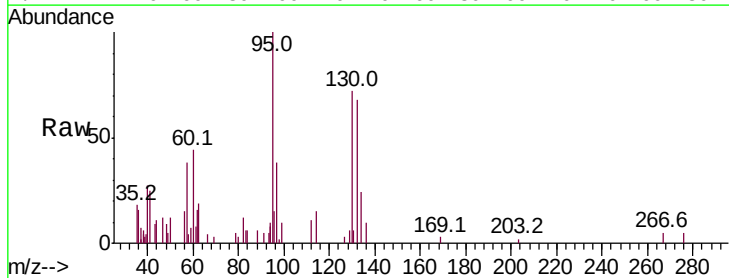
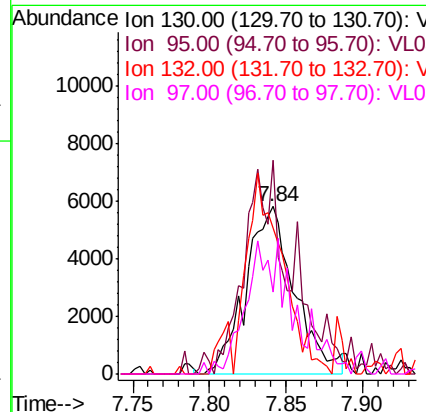
RT: 7.84 min Scan# 1572

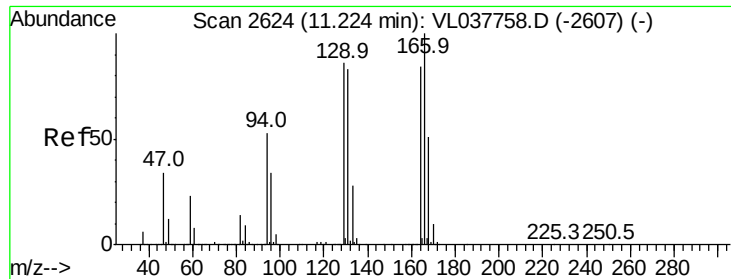
Delta R.T. 0.01 min

Lab File: VL037860.D

Acq: 18 Oct 2021 20:01

Tgt Ion:130 Resp: 12915
Ion Ratio Lower Upper
130 100
95 138.7 87.4 131.0#
132 94.5 76.8 115.2
97 53.0 55.8 83.8#





#52

Tetrachloroethene

Concen: 0.107 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 20:01

Tot Ion:1

Ion Ratio

164 100

166 65.

129 68.

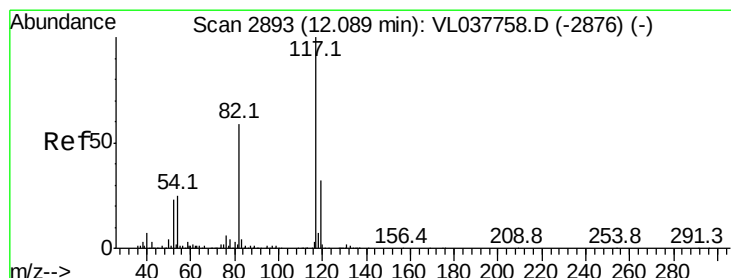
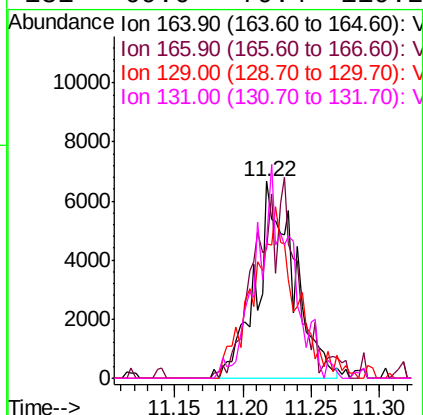
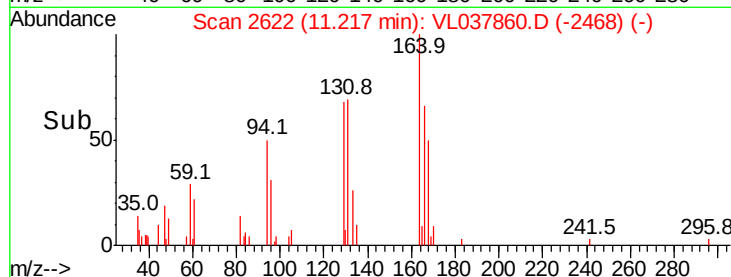
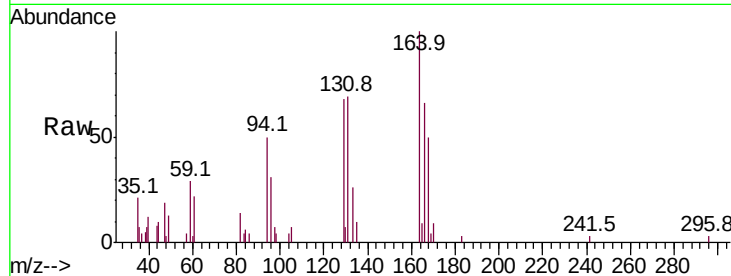
131 69.0 79.4 119.2#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL037860.D

Acq: 18 Oct 2021 20:01

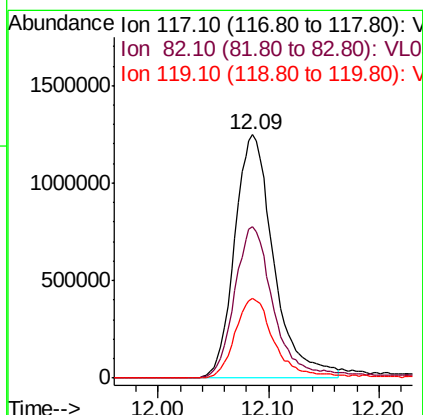
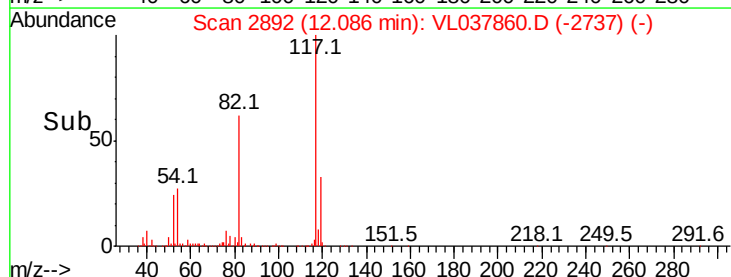
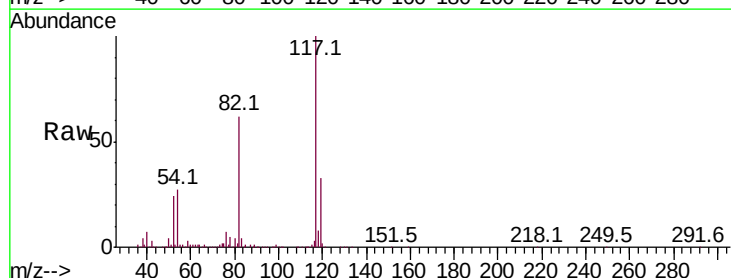
Tgt Ion:117 Resp: 3071669

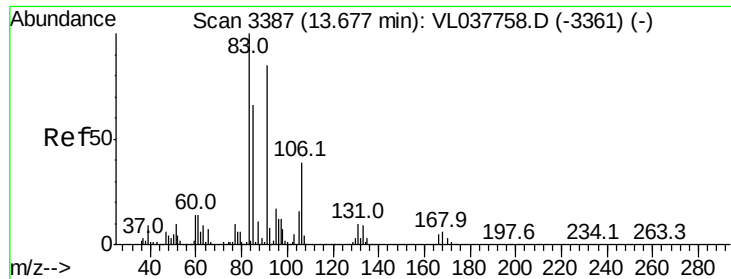
Ion Ratio Lower Upper

117 100

82 65.7 52.2 78.2

119 34.3 26.0 39.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.112 ppbv m

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 20:01

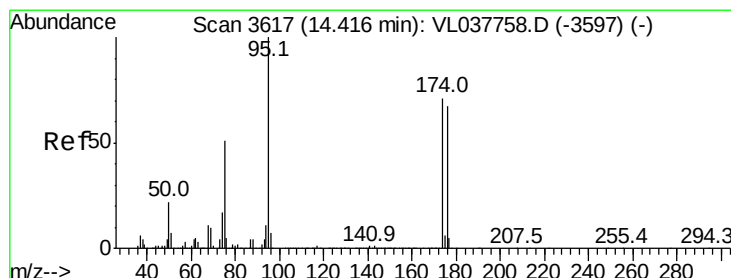
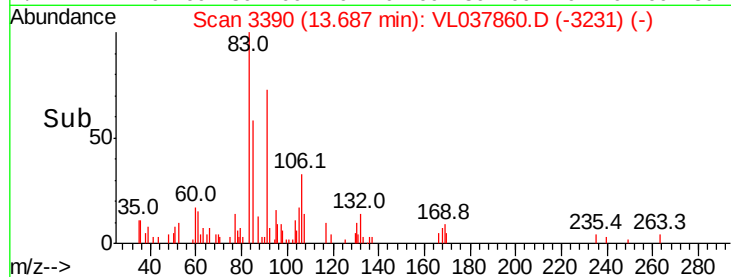
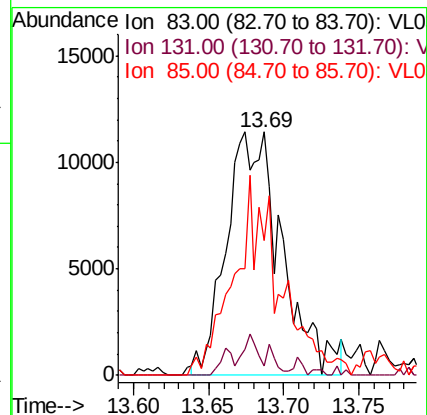
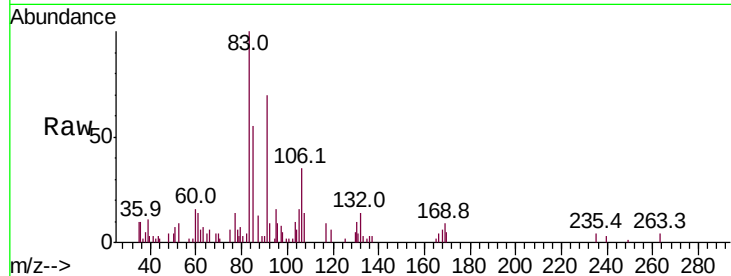
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Tot Ion:
Ion Ratio
83 100
131 11.
85 66.



#68

1-Bromo-4-Fluorobenzene

Concen: 10.228 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL037860.D

Acq: 18 Oct 2021 20:01

Tgt Ion: 95 Resp: 2197088

Ion	Ratio	Lower	Upper
95	100		
174	74.8	57.8	86.6
175	5.3	4.7	7.1

