

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037478.D
 Acq On : 17 Aug 2021 1:53
 Operator : SY/AP
 Sample : M2940-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Manual Integrations
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Quant Time: Aug 17 03:41:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1344629	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4114115	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3542765	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2533845	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	4591	0.049	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	10398m	0.044	ppbv	
35) Carbon Tetrachloride	7.00	117	8832m	0.036	ppbv	
38) Trichloroethene	7.82	130	5790m	0.041	ppbv	
52) Tetrachloroethene	11.21	164	6997m	0.049	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	16048m	0.054	ppbv	

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

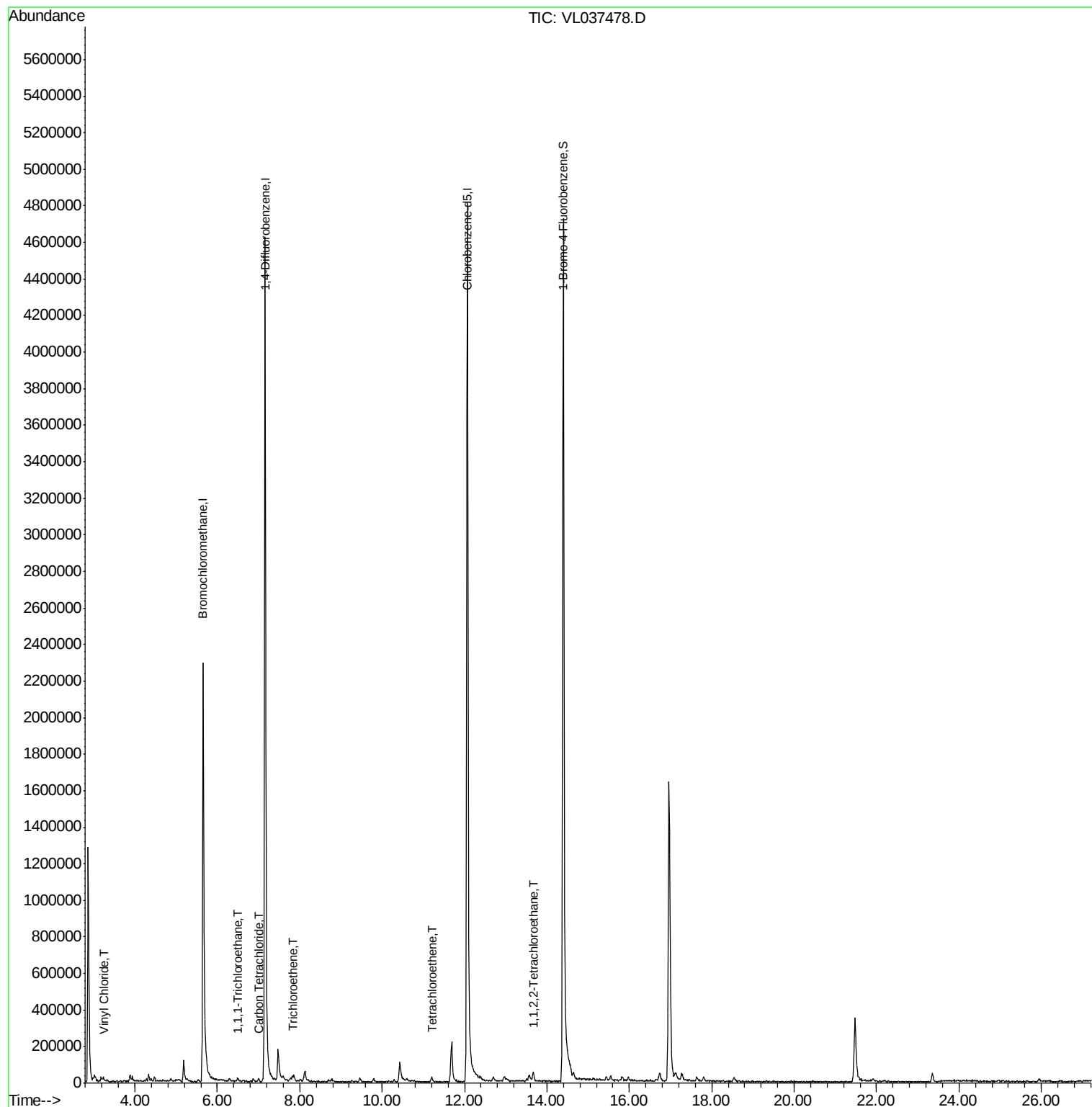
Data Path : Y:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081621\
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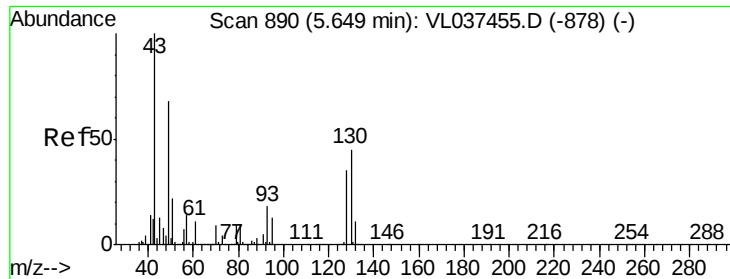
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#1

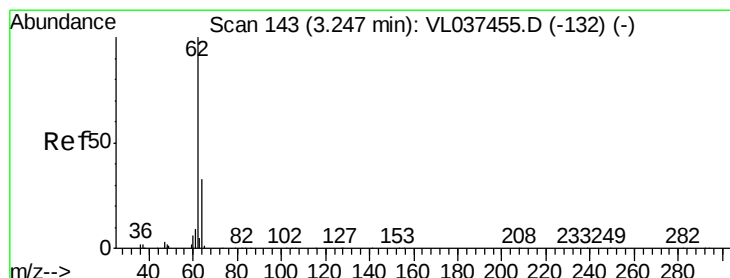
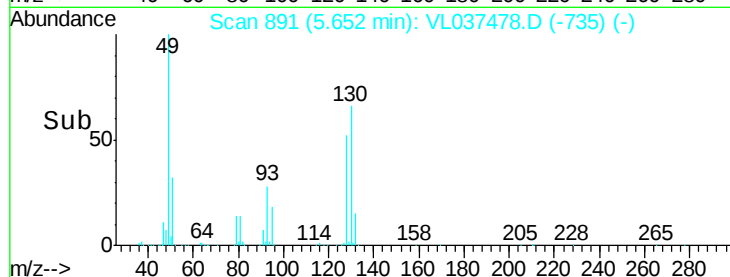
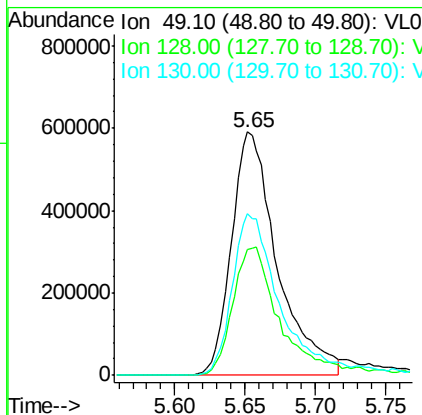
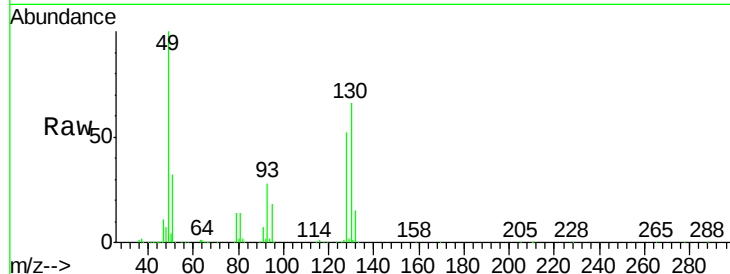
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VL037478.D
 Acq: 17 Aug 2021 1:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion: 49 Resp: 1344629
 Ion Ratio Lower Upper
 49 100
 128 57.7 27.5 82.4
 130 71.5 34.0 101.8

Manual Integrations
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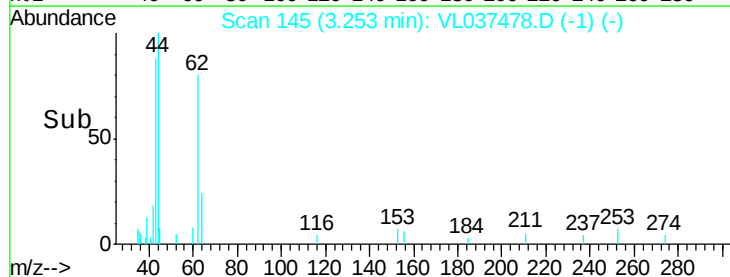
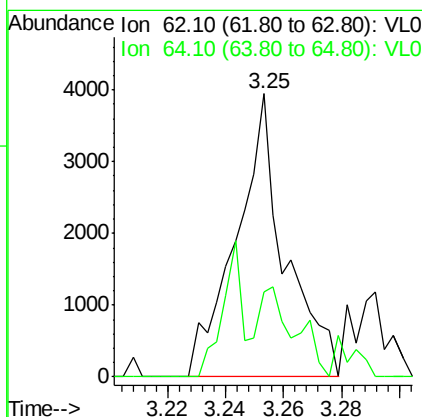
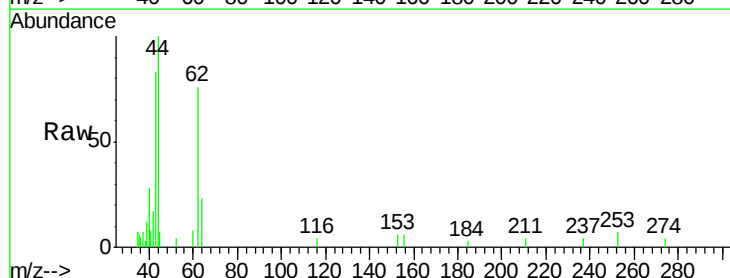
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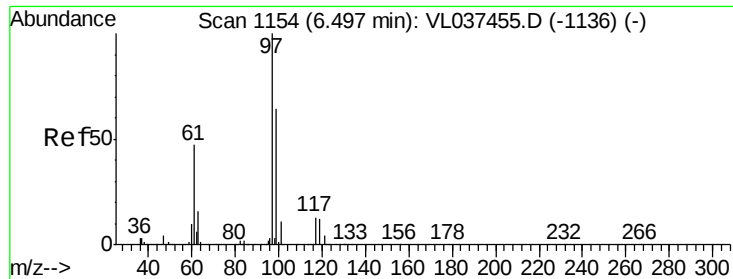


#5

Vinyl Chloride
 Concen: 0.049 ppbv
 RT: 3.25 min Scan# 145
 Delta R.T. 0.01 min
 Lab File: VL037478.D
 Acq: 17 Aug 2021 1:53

Tgt Ion: 62 Resp: 4591
 Ion Ratio Lower Upper
 62 100
 64 30.2 26.5 39.7





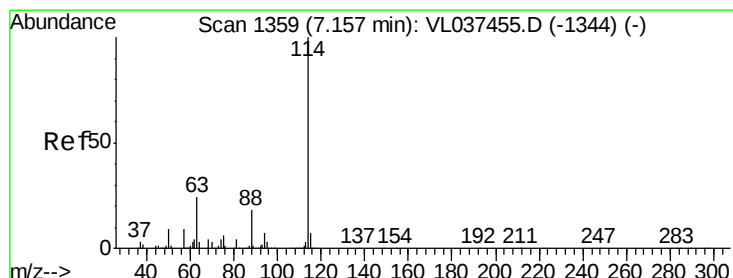
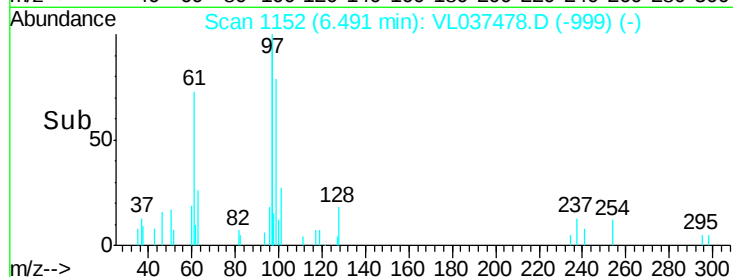
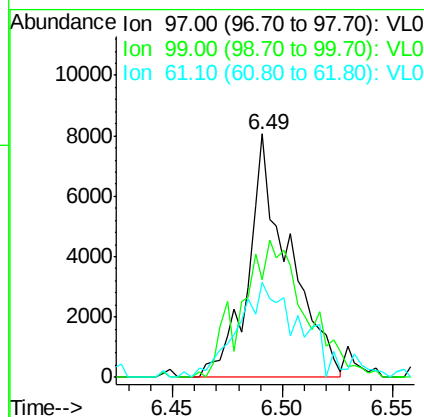
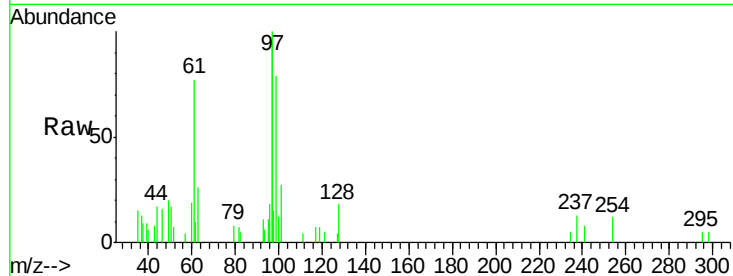
#32
 1,1,1-Trichloroethane
 Concen: 0.044 ppbv m
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VL037478.D
 Acq: 17 Aug 2021 1:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Resp	Lower	Upper
97	100			
99	0.0	51.8	77.6#	
61	0.0	39.6	59.4#	

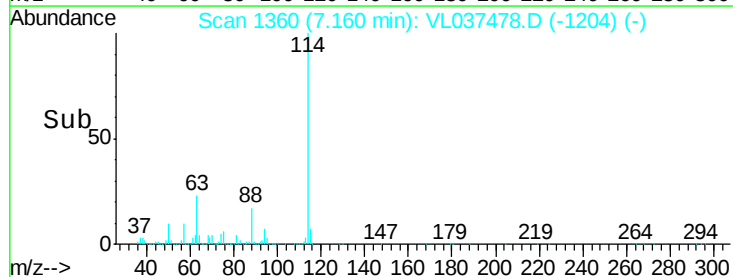
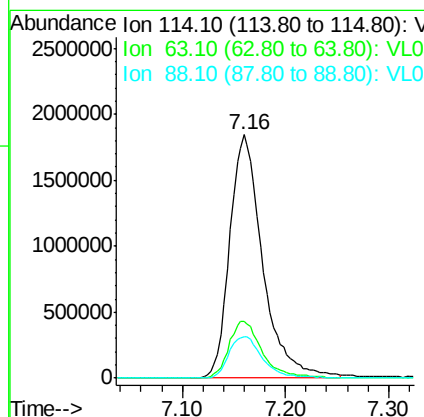
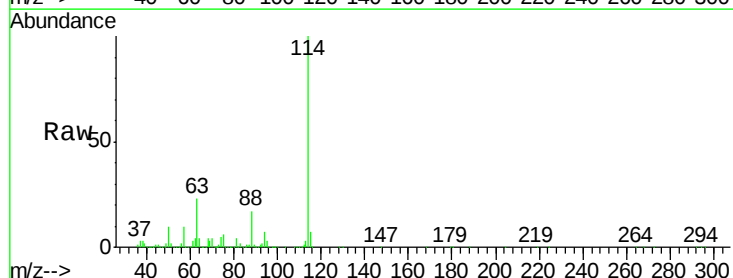
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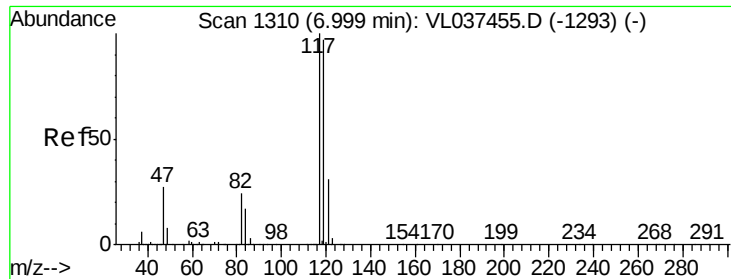
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037478.D
 Acq: 17 Aug 2021 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.0	19.3	28.9	
88	17.7	14.2	21.4	





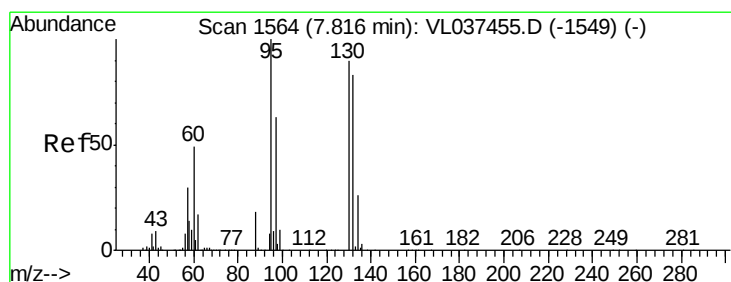
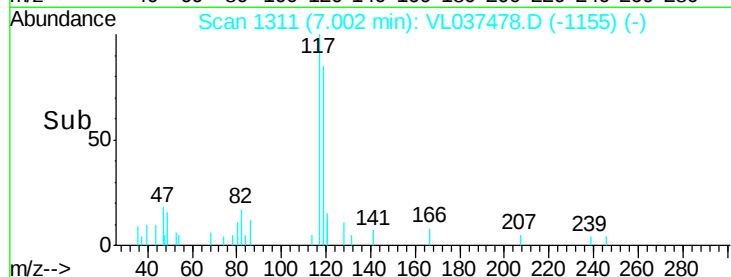
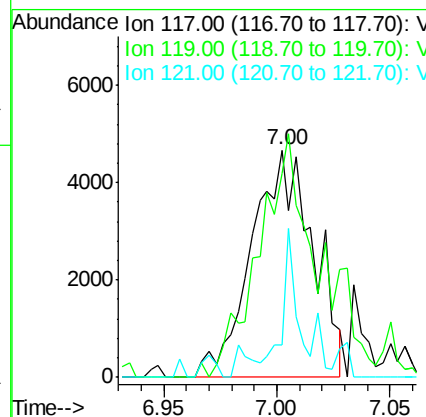
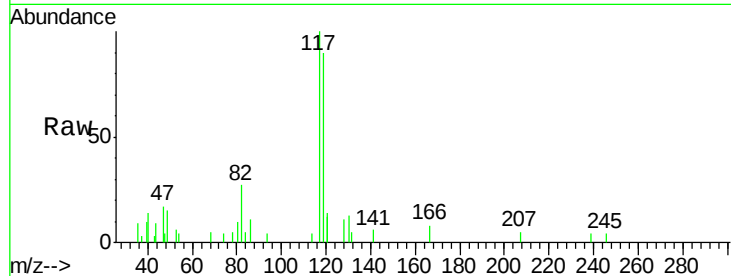
#35
Carbon Tetrachloride
Concen: 0.036 ppbv m
RT: 7.00 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL037478.D
Acq: 17 Aug 2021 1:53

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
117	100		
119	89.9	77.3	115.9
121	14.4	25.2	37.8

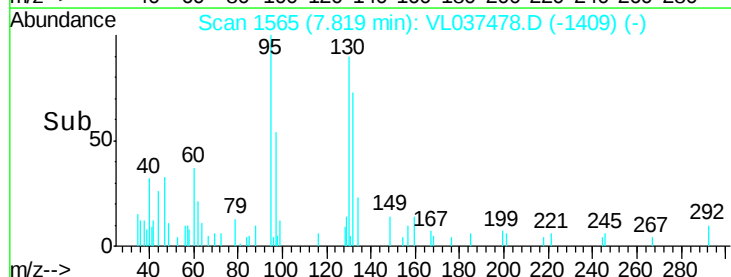
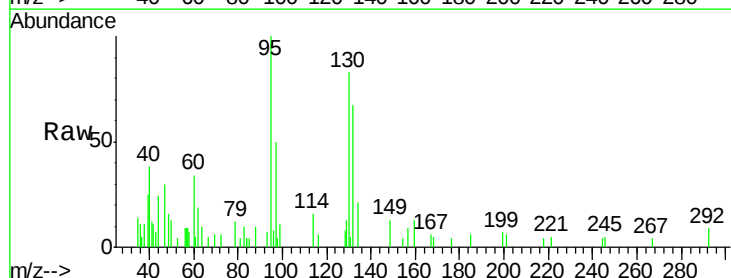
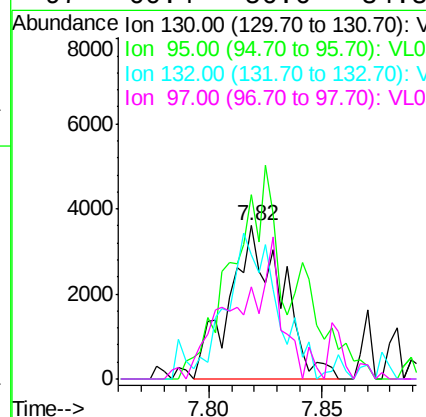
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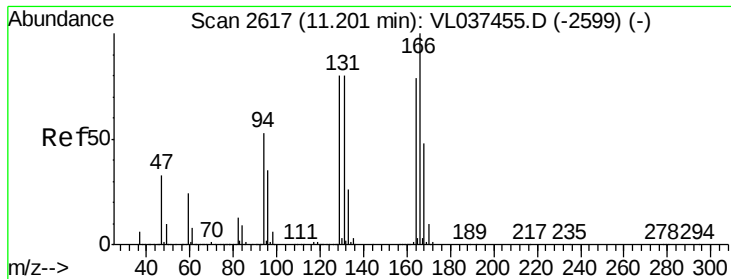
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#38
Trichloroethene
Concen: 0.041 ppbv m
RT: 7.82 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VL037478.D
Acq: 17 Aug 2021 1:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.1	89.2	133.8
132	80.8	74.0	111.0
97	60.4	56.6	84.8





#52

Tetrachloroethene

Concen: 0.049 ppbv m

RT: 11.21 min Scan# 2619

Delta R.T. 0.01 min

Lab File: VL037478.D

Acq: 17 Aug 2021 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion:164 Resp: 6997

Ion Ratio Lower Upper

164 100

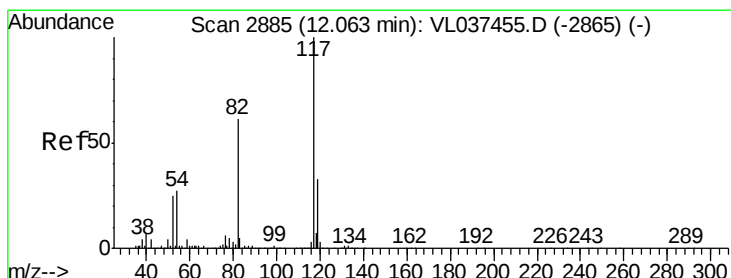
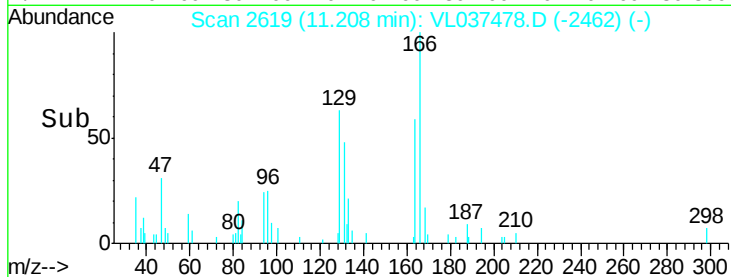
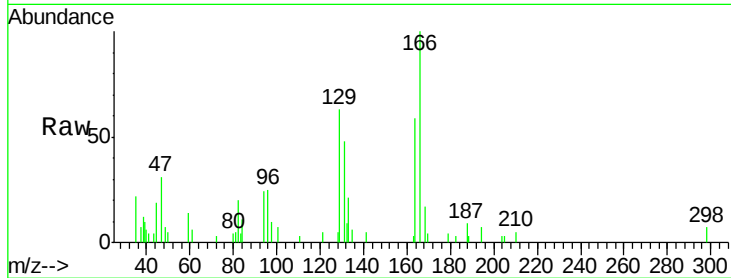
166 170.6 100.7 151.1#

129 107.4 80.9 121.3

131 81.1 80.2 120.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037478.D

Acq: 17 Aug 2021 1:53

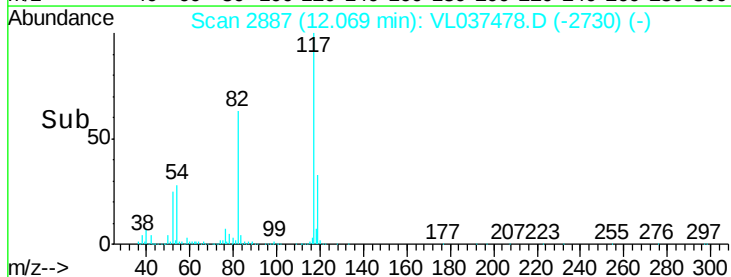
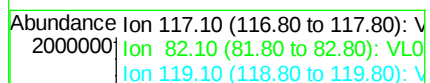
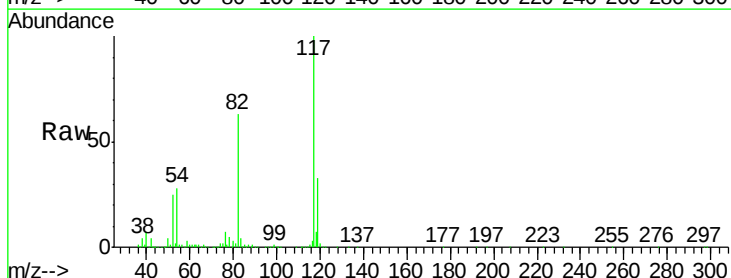
Tgt Ion:117 Resp: 3542765

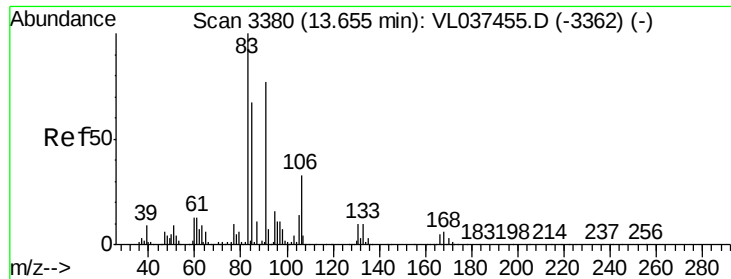
Ion Ratio Lower Upper

117 100

82 65.4 52.9 79.3

119 34.1 24.8 37.2





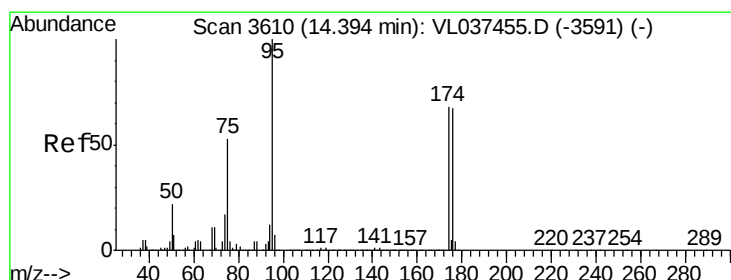
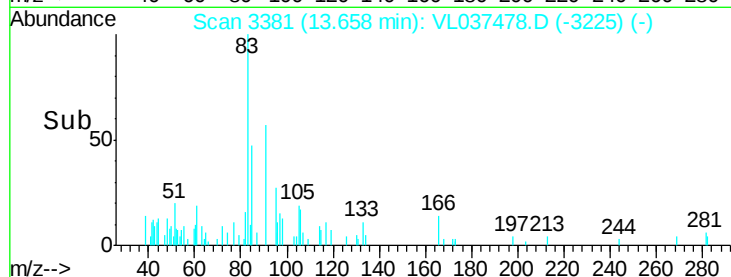
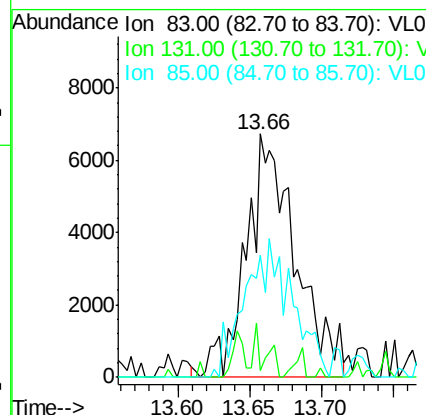
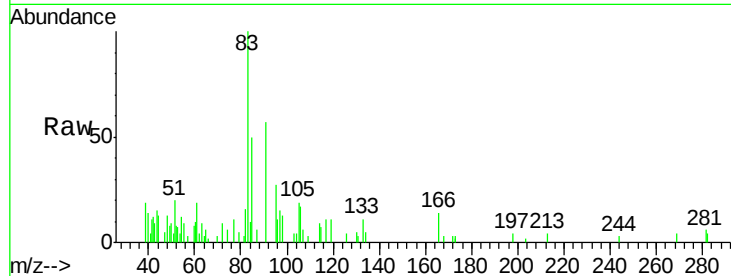
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.054 ppbv m
 RT: 13.66 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VL037478.D
 Acq: 17 Aug 2021 1:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Tot Ion	83	Resp	16048
Ion Ratio	100	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	59.0	33.8	101.3

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.067 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL037478.D
 Acq: 17 Aug 2021 1:53

Tgt Ion	95	Resp	2533845
Ion Ratio	100	Lower	Upper
95	100		
174	74.8	59.6	89.4
175	5.5	4.6	7.0

