

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037492.D
 Acq On : 18 Aug 2021 15:39
 Operator : SY/AP
 Sample : M2940-15 0.03 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Manual Integrations
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 8/19/2021 5:58:00 PM

Quant Time: Aug 19 02:51:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 16:04:00 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	5.66	49	1399902	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4064170	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3434577	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2470232	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	4550m	0.046	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	11179m	0.045	ppbv	
35) Carbon Tetrachloride	7.02	117	10420m	0.043	ppbv	
38) Trichloroethene	7.82	130	6187m	0.044	ppbv	
52) Tetrachloroethene	11.20	164	5912m	0.042	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.65	83	14682m	0.051	ppbv	

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

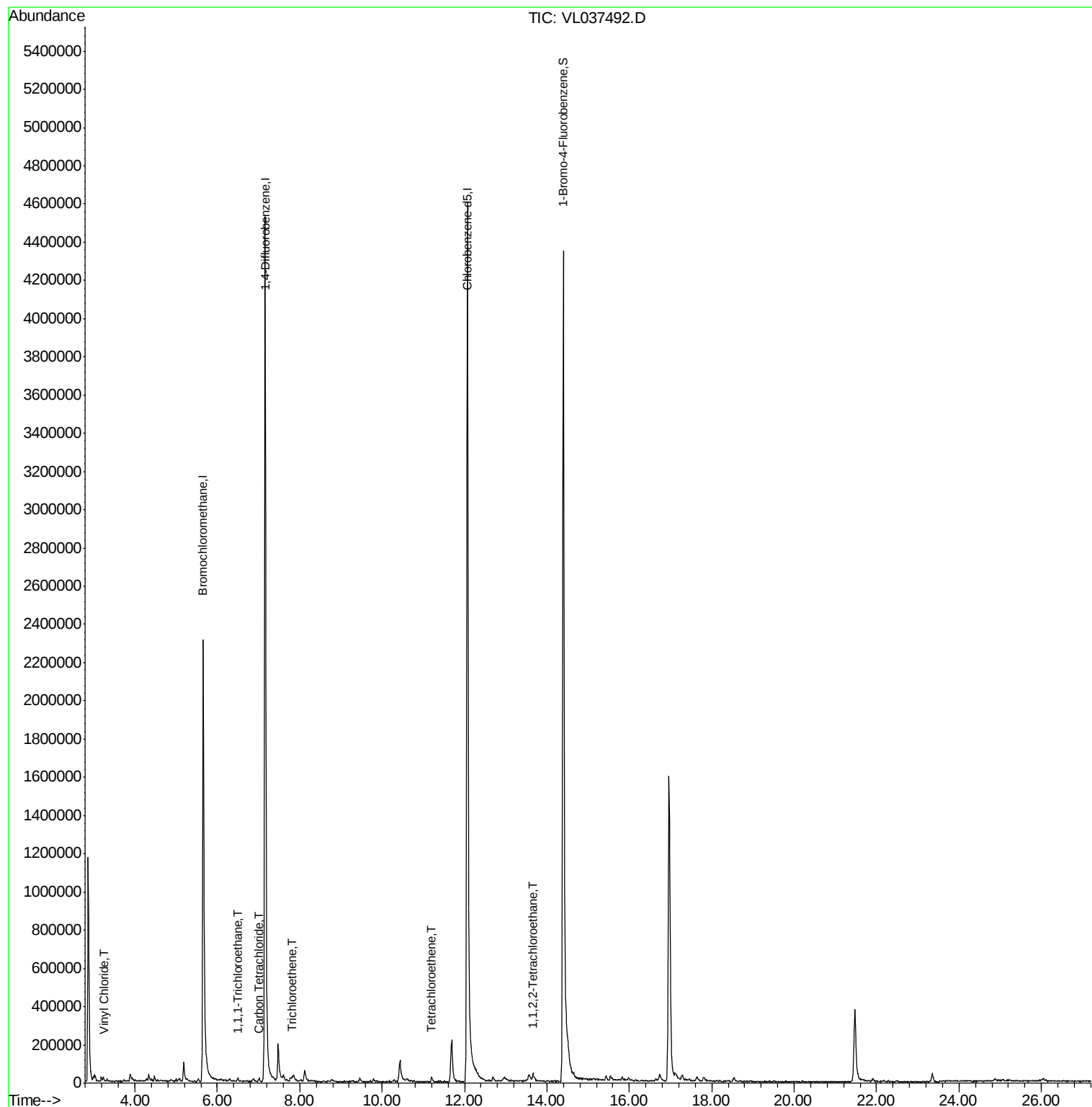
Data Path : Y:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081821\
Data File : VL037492.D
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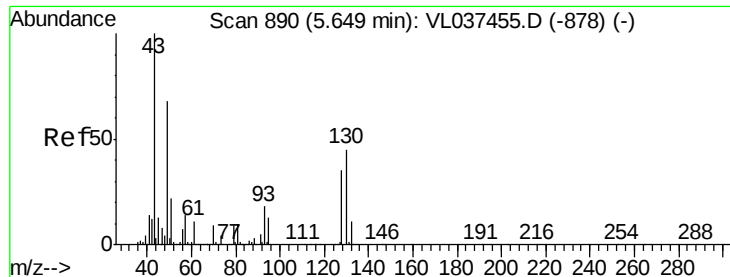
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL037492.D

Acq: 18 Aug 2021 15:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion: 49 Resp: 1399902

Ion Ratio Lower Upper

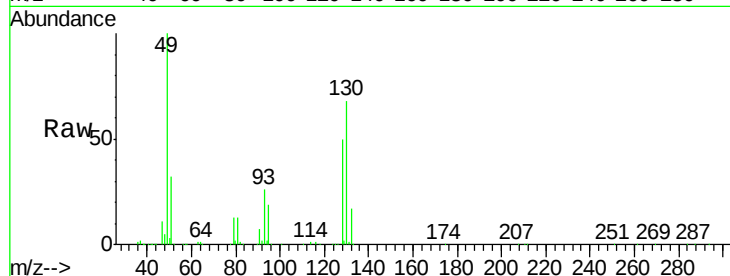
49 100

128 53.9 27.5 82.4

130 70.9 34.0 101.8

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

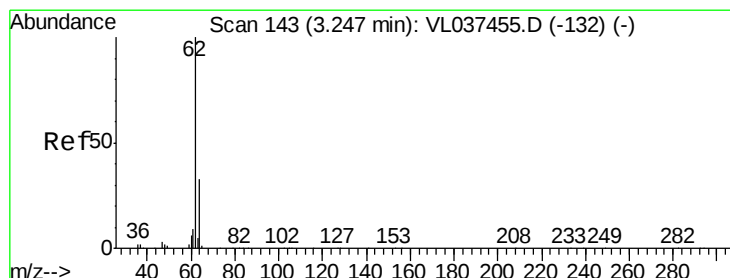
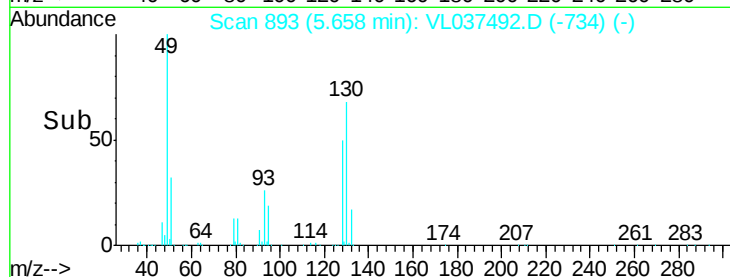
600000

400000

200000

0

Time-->



#5

Vinyl Chloride

Concen: 0.046 ppbv m

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037492.D

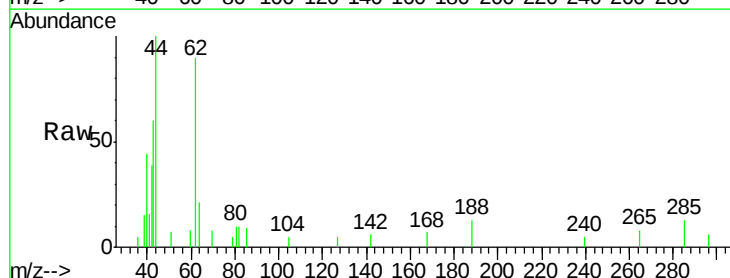
Acq: 18 Aug 2021 15:39

Tgt Ion: 62 Resp: 4550

Ion Ratio Lower Upper

62 100

64 22.9 26.5 39.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

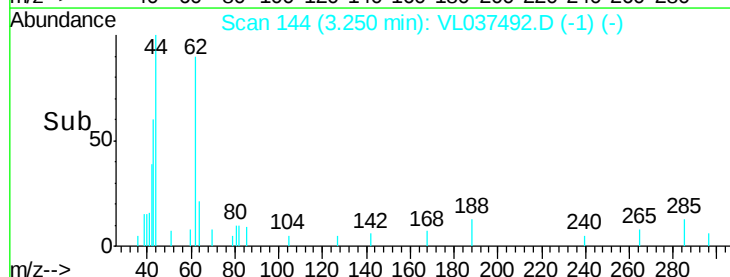
3000

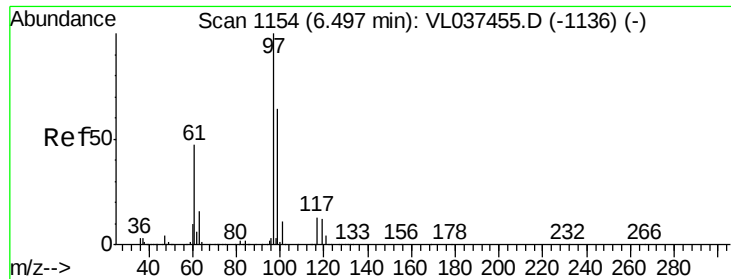
2000

1000

0

Time-->





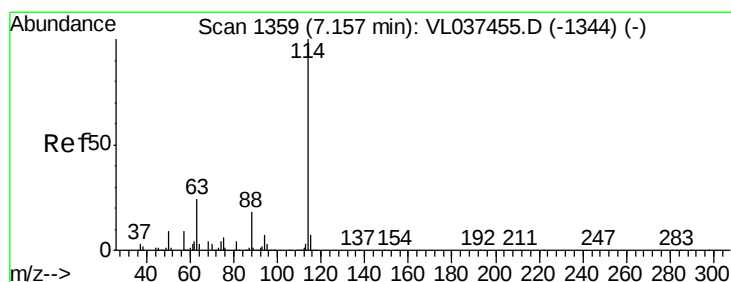
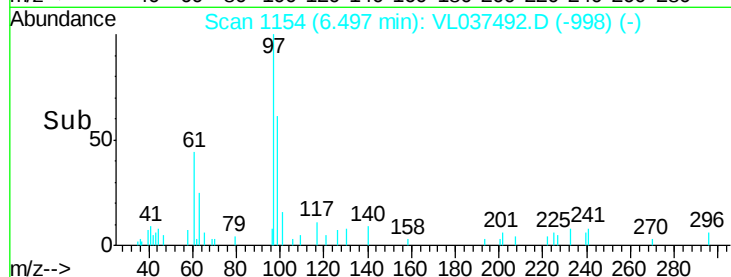
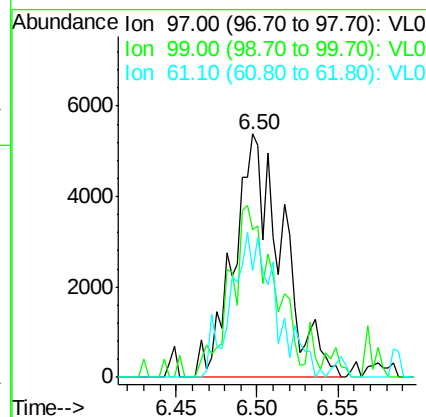
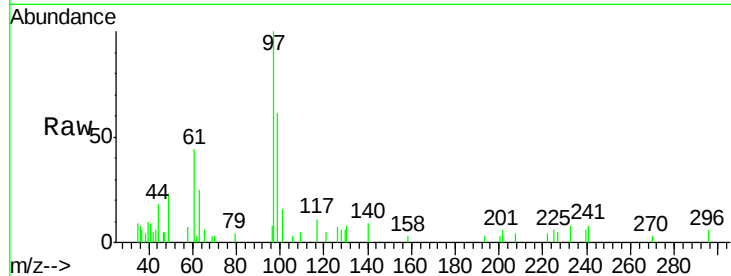
#32
 1,1,1-Trichloroethane
 Concen: 0.045 ppbv m
 RT: 6.50 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VL037492.D
 Acq: 18 Aug 2021 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

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

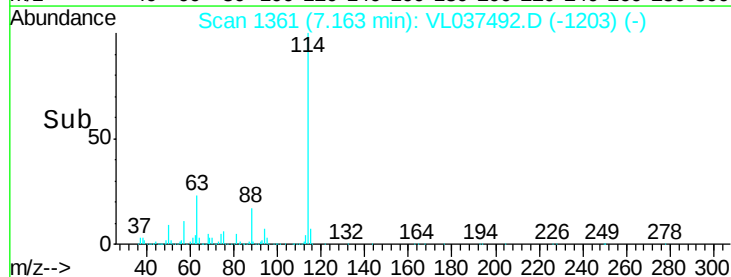
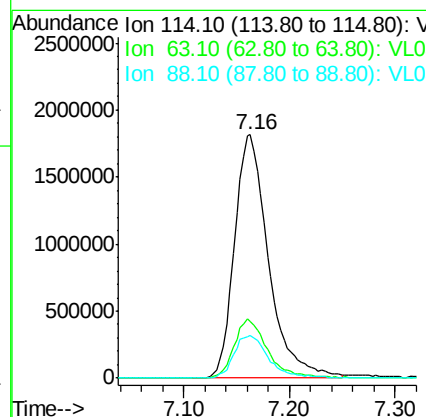
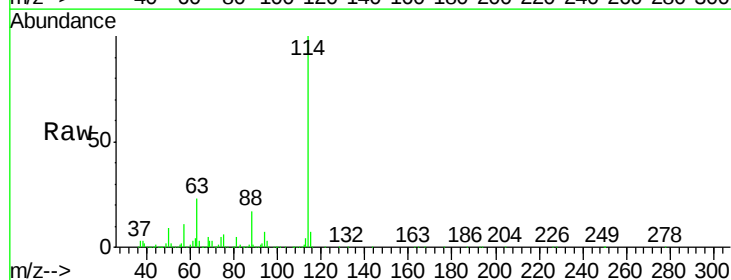
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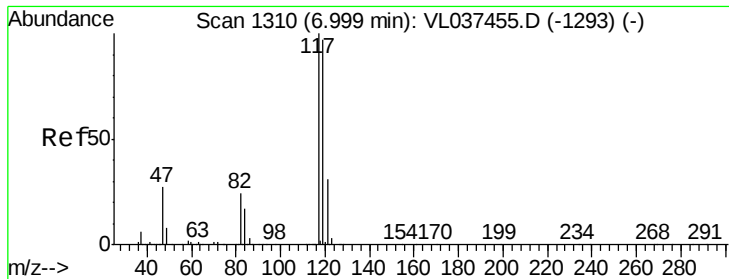
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL037492.D
 Acq: 18 Aug 2021 15:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	17.9	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.043 ppbv m

RT: 7.02 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VL037492.D

Acq: 18 Aug 2021 15:39

Instrument :

MSVOA_L

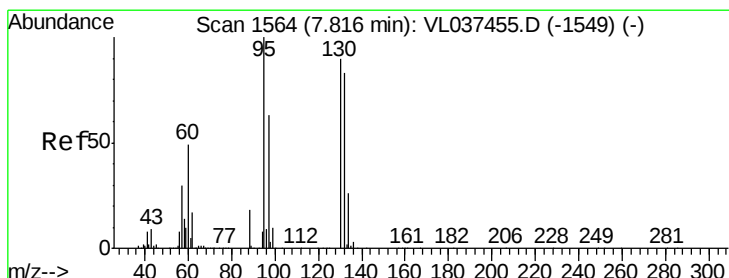
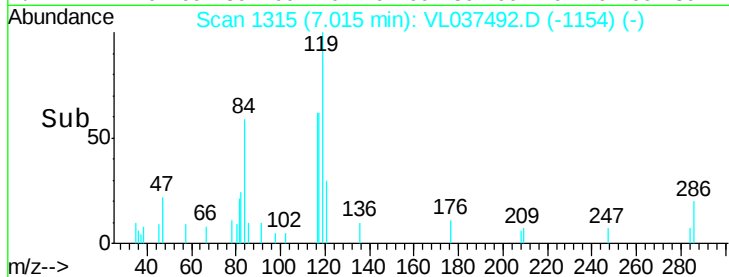
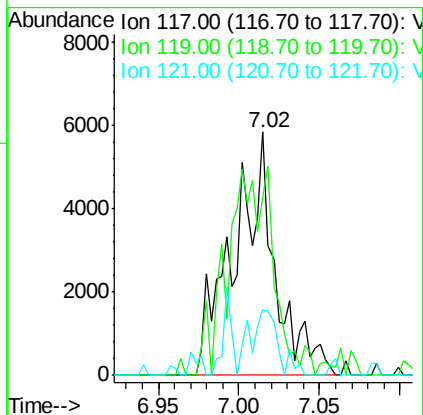
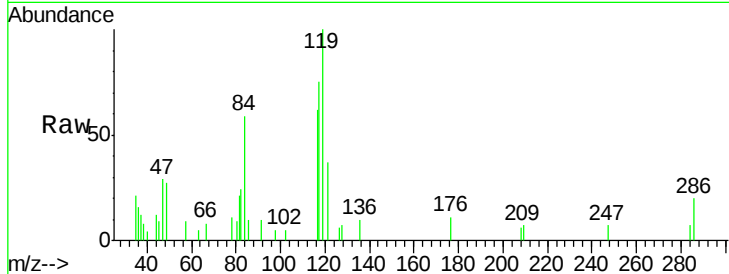
ClientSampleId :

MDL-AIR-03-QT3-2021

Tot Ion:	117	Resp:	10420
Ion Ratio	Lower	Upper	
117	100		
119	133.1	77.3	115.9#
121	49.1	25.2	37.8#

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#38

Trichloroethene

Concen: 0.044 ppbv m

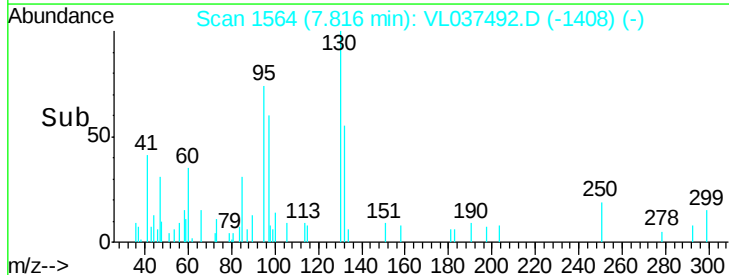
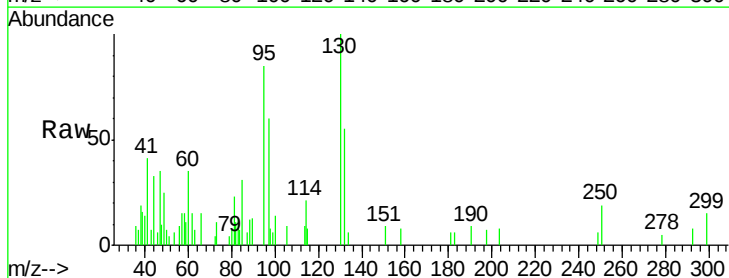
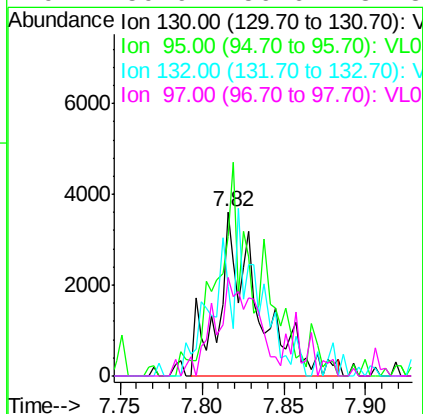
RT: 7.82 min Scan# 1564

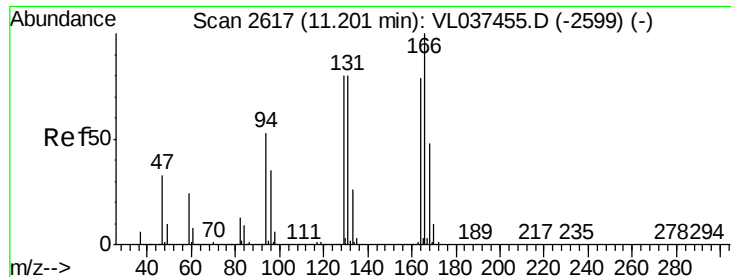
Delta R.T. 0.00 min

Lab File: VL037492.D

Acq: 18 Aug 2021 15:39

Tgt Ion:	130	Resp:	6187
Ion Ratio	Lower	Upper	
130	100		
95	84.7	89.2	133.8#
132	54.9	74.0	111.0#
97	59.9	56.6	84.8





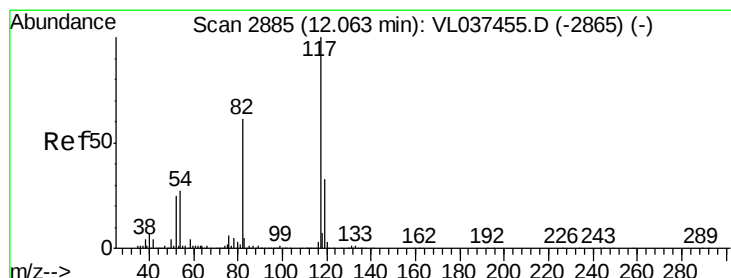
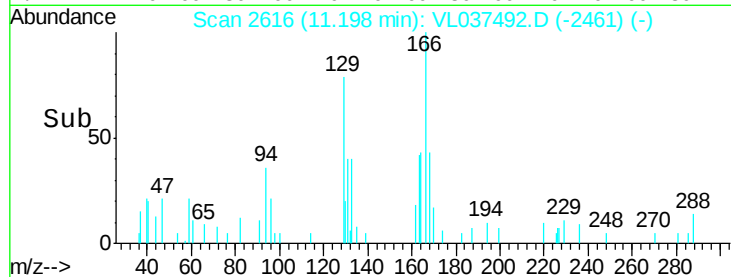
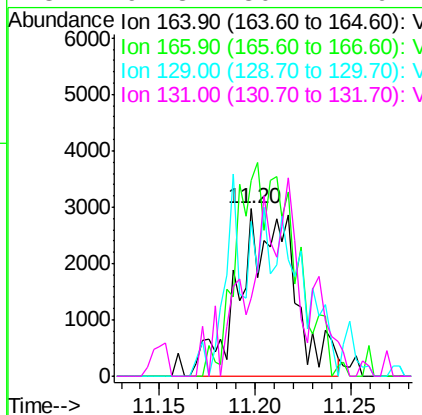
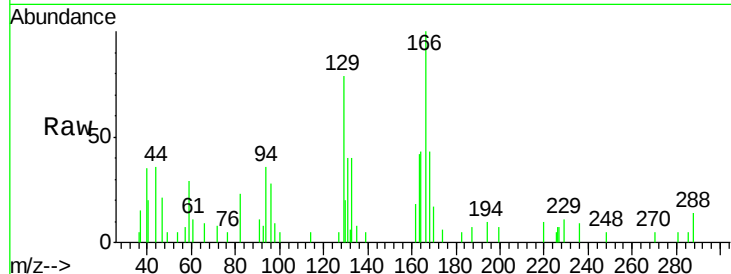
#52
Tetrachloroethene
Concen: 0.042 ppbv m
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL037492.D
Acq: 18 Aug 2021 15:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2021

Tot Ion	Ratio	Lower	Upper
164	100		
166	232.5	100.7	151.1#
129	183.7	80.9	121.3#
131	92.3	80.2	120.4

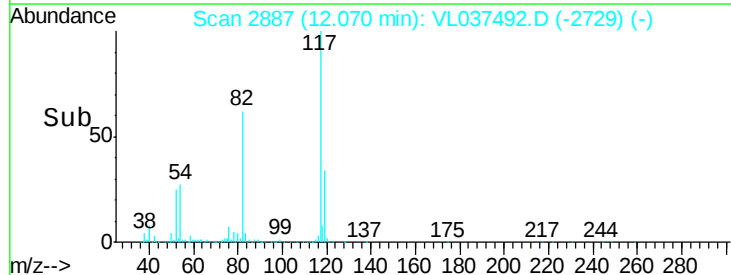
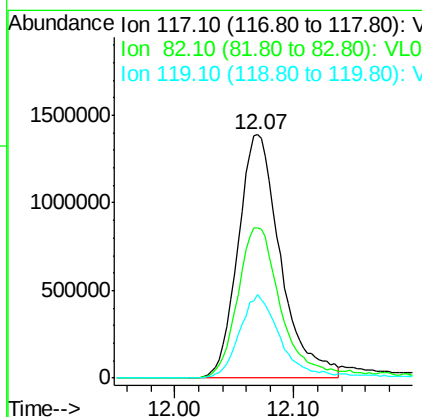
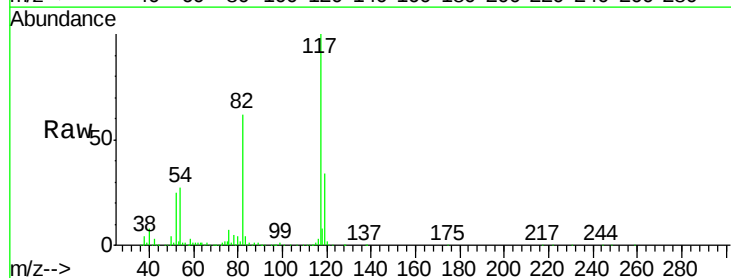
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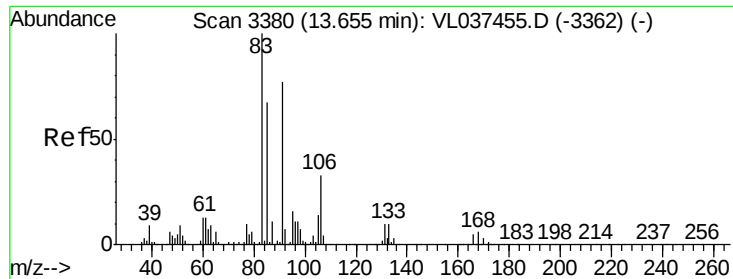
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037492.D
Acq: 18 Aug 2021 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.3	52.9	79.3
119	34.5	24.8	37.2





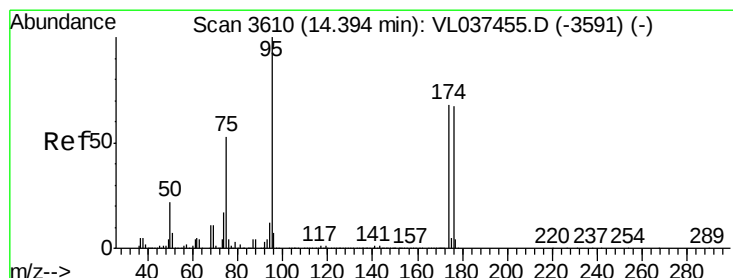
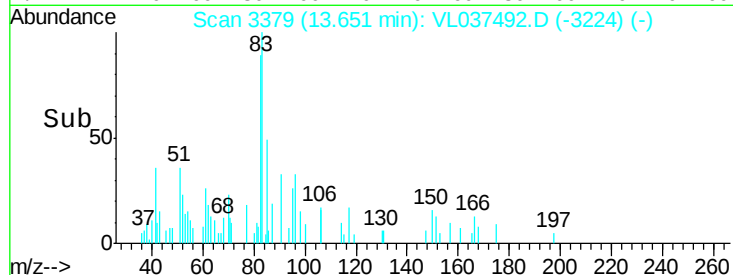
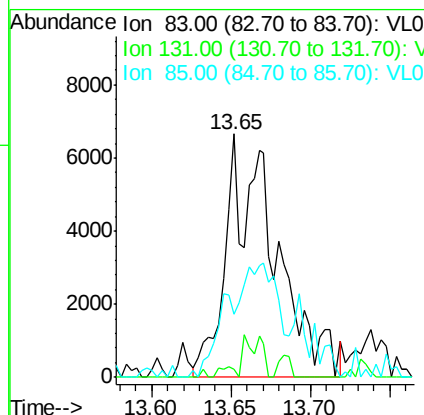
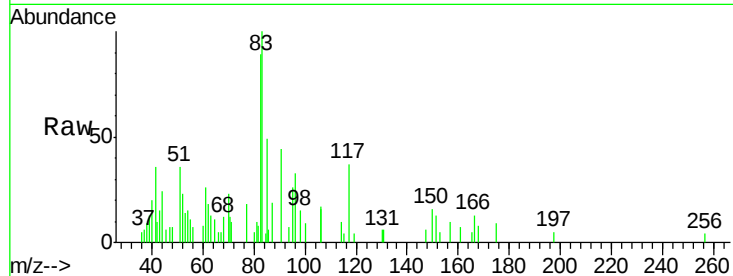
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.051 ppbv m
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VL037492.D
 Acq: 18 Aug 2021 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Tot Ion	Ion	Ratio	Lower	Upper
83	83	100		
131	131	0.0	5.0	15.0#
85	85	61.2	33.8	101.3

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.124 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VL037492.D
 Acq: 18 Aug 2021 15:39

Tgt Ion	Ion	Ratio	Lower	Upper
95	95	100		
174	174	75.3	59.6	89.4
175	175	5.2	4.6	7.0

