

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037479.D
 Acq On : 17 Aug 2021 2:32
 Operator : SY/AP
 Sample : M2940-13 0.03 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Manual Integrations
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Quant Time: Aug 17 03:44:06 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	1335130	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4037744	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3523361	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2522744	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.24	62	4944m	0.053	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	11937m	0.051	ppbv	
35) Carbon Tetrachloride	7.01	117	10069m	0.042	ppbv	
38) Trichloroethene	7.82	130	8015m	0.058	ppbv	
52) Tetrachloroethene	11.21	164	6270m	0.045	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	15661m	0.053	ppbv	

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

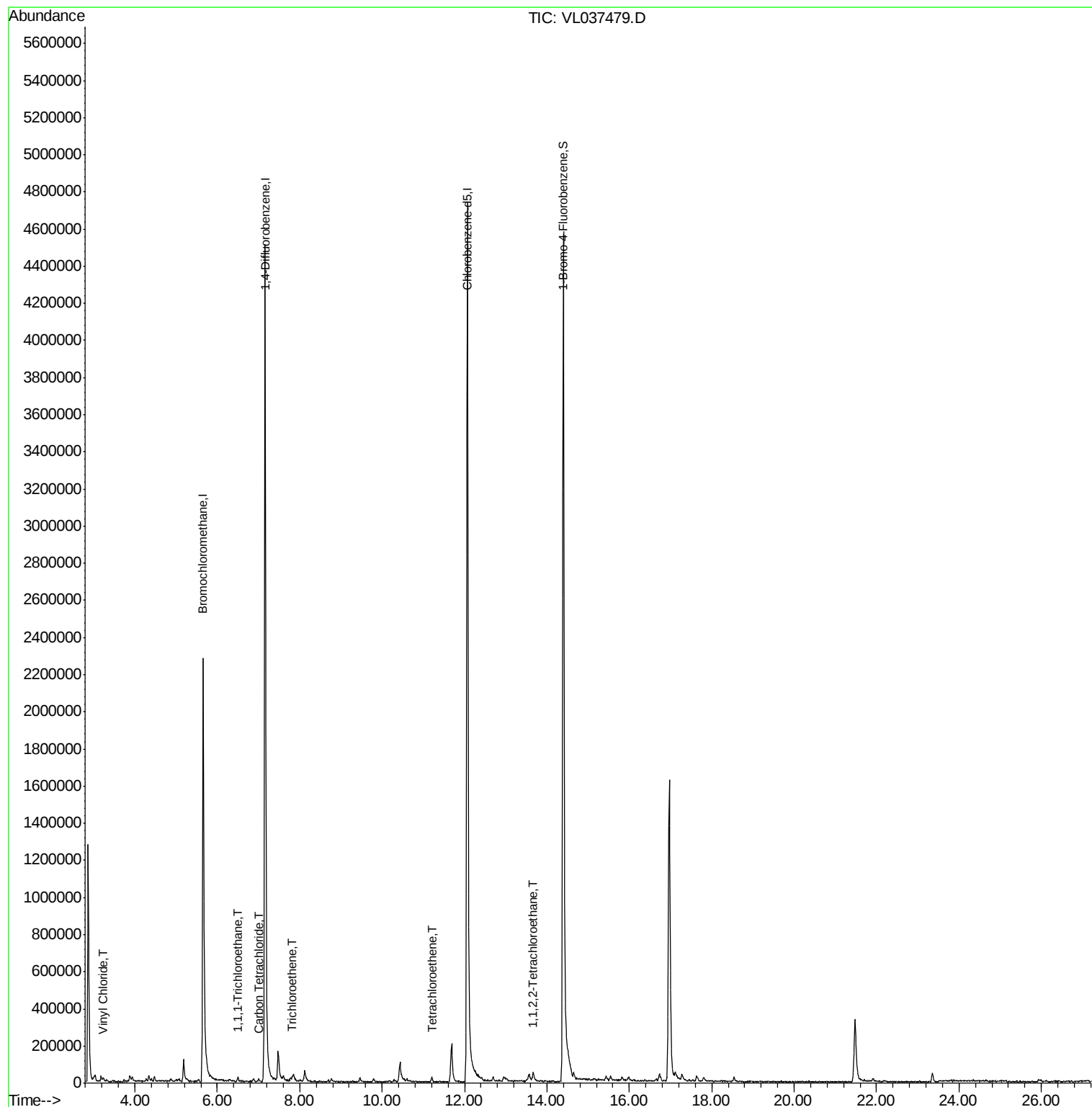
Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
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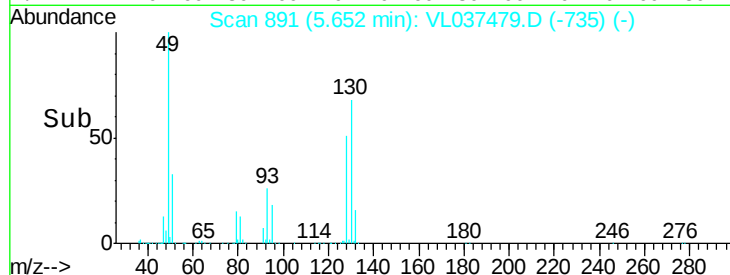
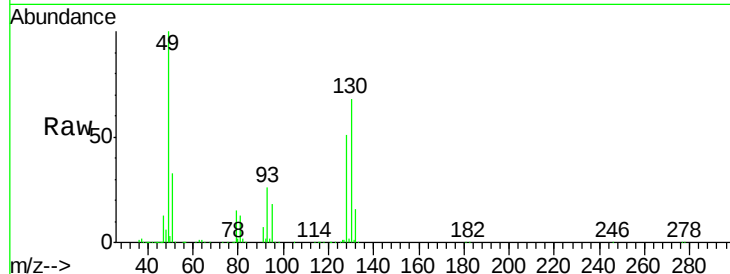
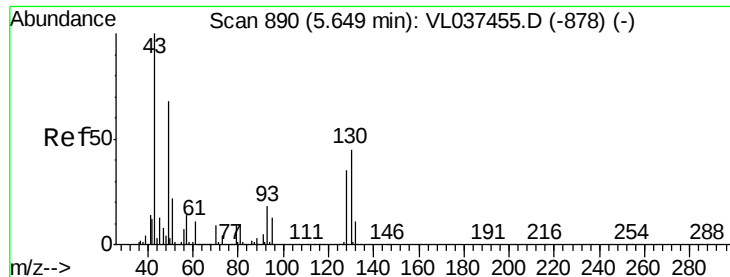
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037479.D

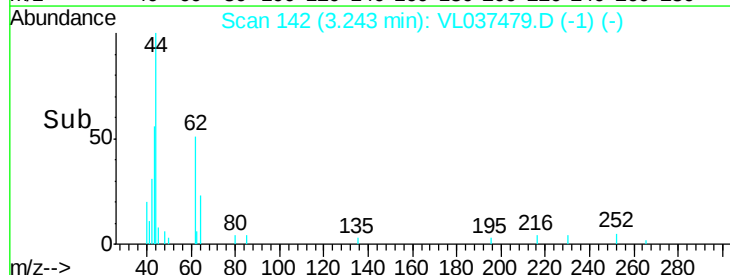
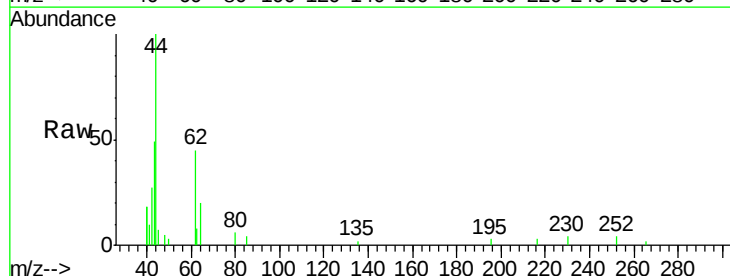
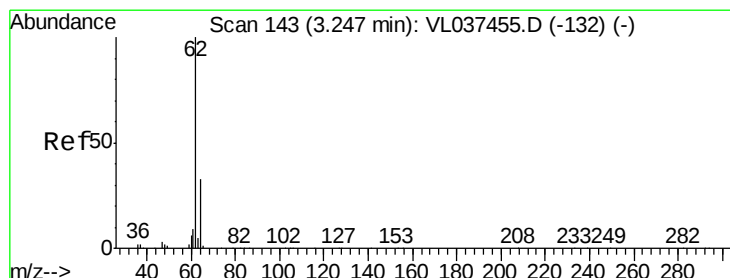
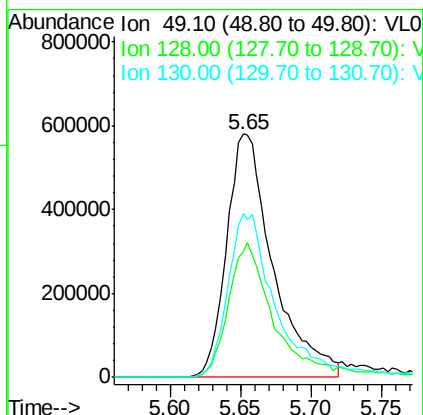
Acq: 17 Aug 2021 2:32

Tot Ion:	49	Resp:	1335130
Ion	Ratio	Lower	Upper
49	100		
128	57.1	27.5	82.4
130	71.8	34.0	101.8

Instrument :
MSVOA_L
ClientSampleId :
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#5

Vinyl Chloride

Concen: 0.053 ppbv m

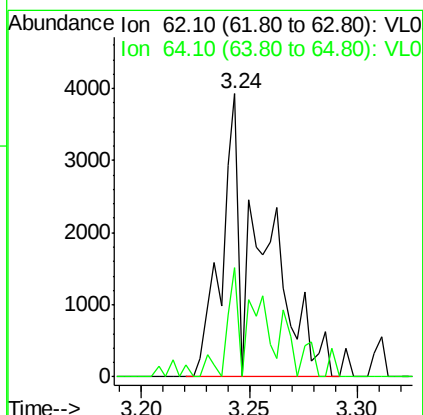
RT: 3.24 min Scan# 142

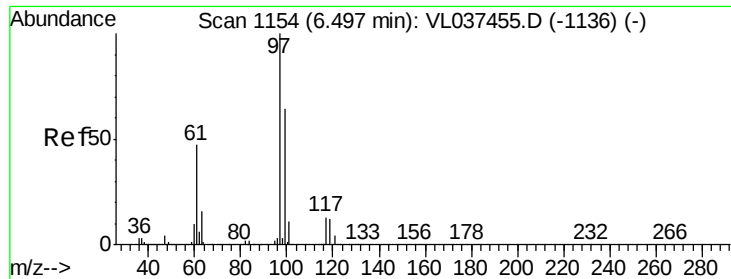
Delta R.T. -0.00 min

Lab File: VL037479.D

Acq: 17 Aug 2021 2:32

Tgt Ion:	62	Resp:	4944
Ion	Ratio	Lower	Upper
62	100		
64	45.0	26.5	39.7#





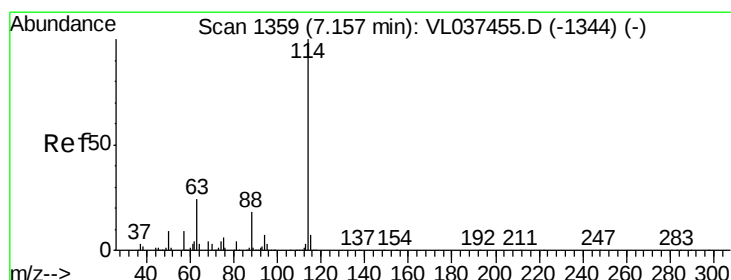
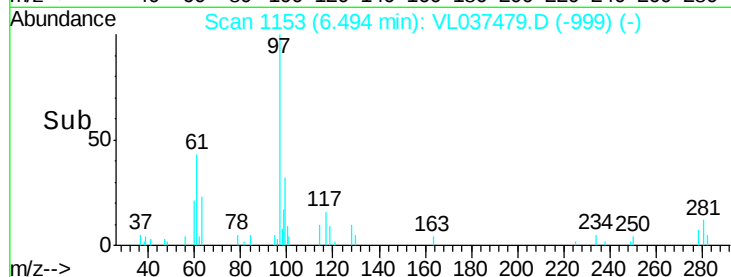
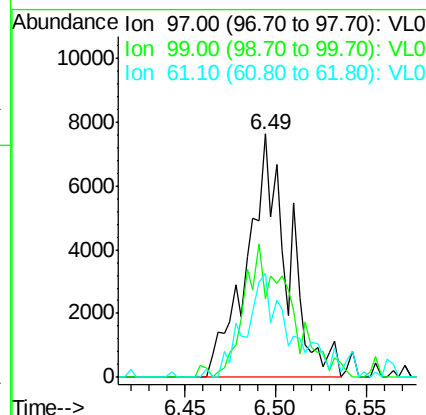
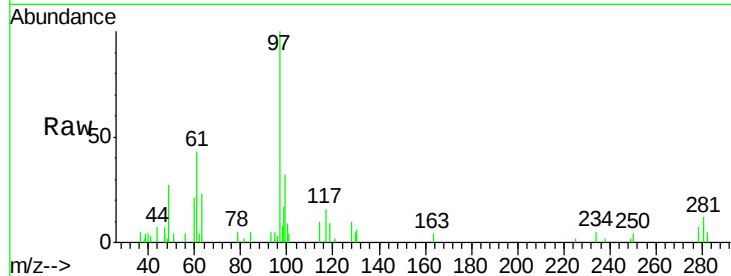
#32
 1,1,1-Trichloroethane
 Concen: 0.051 ppbv m
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL037479.D
 Acq: 17 Aug 2021 2:32

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.8	77.6
61	51.0	39.6	59.4

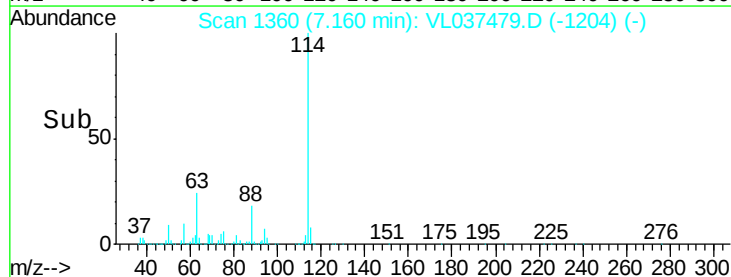
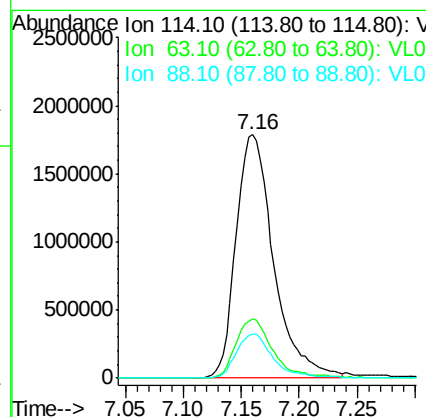
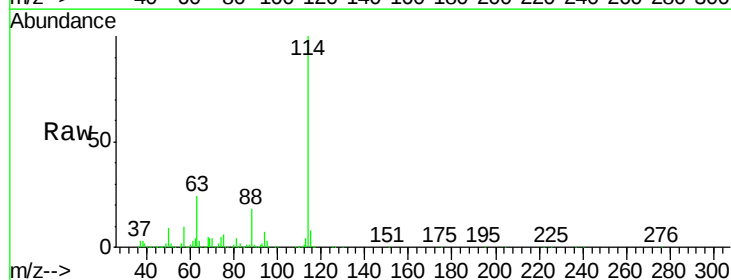
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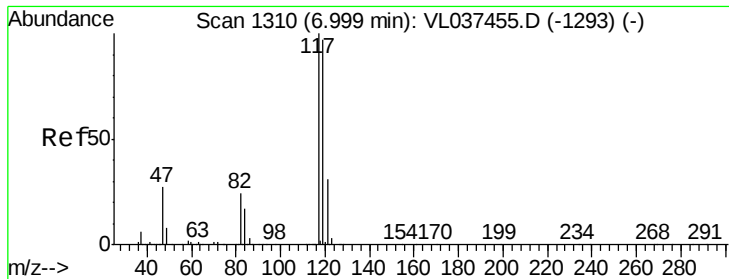
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037479.D
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Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.3	28.9
88	18.0	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.042 ppbv m

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL037479.D

Acq: 17 Aug 2021 2:32

Instrument :

MSVOA_L

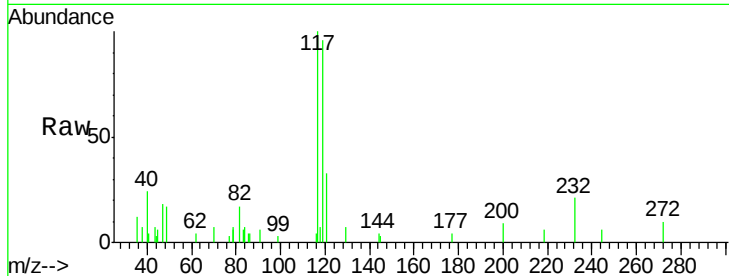
ClientSampleId :

LOD-MDL-AIR-01-QT3-2021

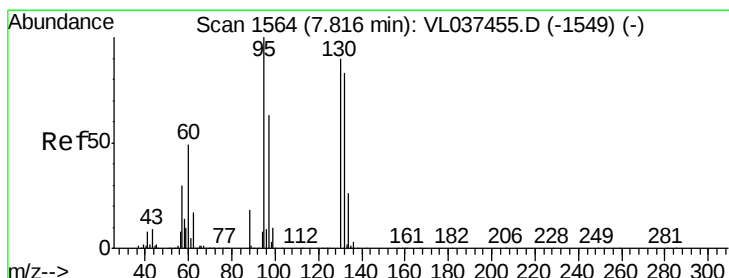
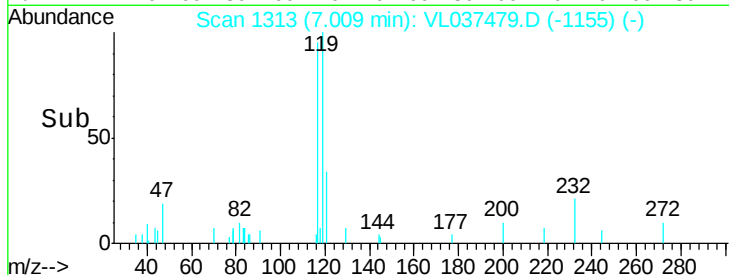
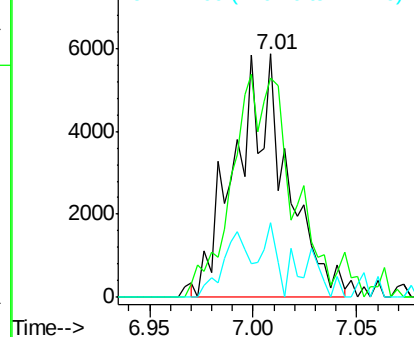
Tot Ion:	117	Resp:	10069
Ion Ratio	Lower	Upper	
117	100		
119	96.3	77.3	115.9
121	32.6	25.2	37.8

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.058 ppbv m

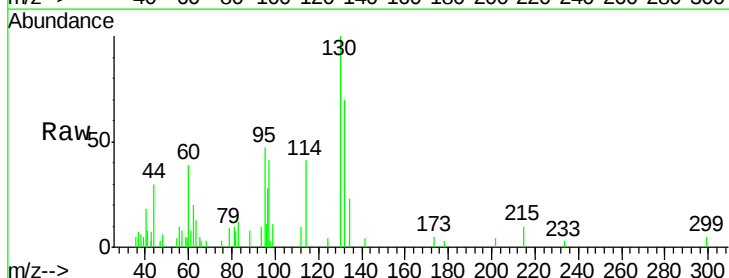
RT: 7.82 min Scan# 1564

Delta R.T. -0.00 min

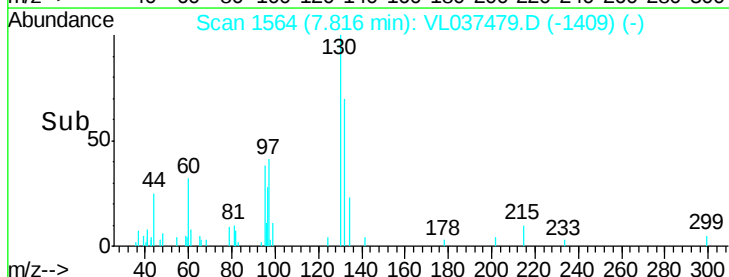
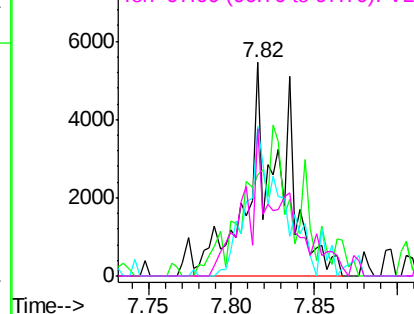
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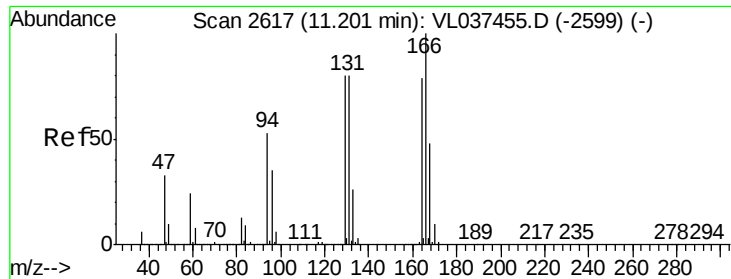
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Tgt Ion:	130	Resp:	8015
Ion Ratio	Lower	Upper	
130	100		
95	47.1	89.2	133.8#
132	70.3	74.0	111.0#
97	41.0	56.6	84.8#



Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





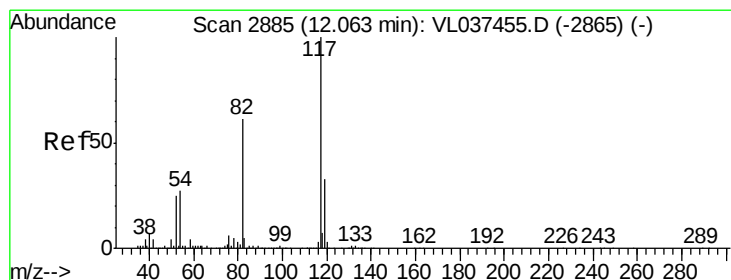
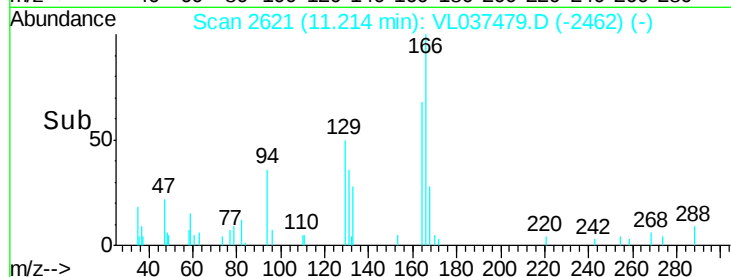
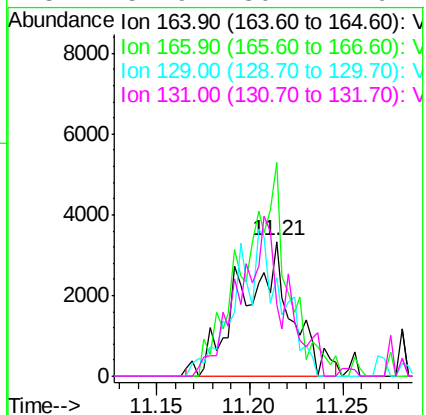
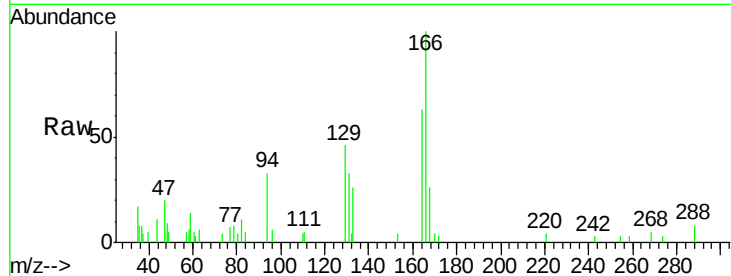
#52
Tetrachloroethene
Concen: 0.045 ppbv m
RT: 11.21 min Scan# 2621
Delta R.T. 0.01 min
Lab File: VL037479.D
Acq: 17 Aug 2021 2:32

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2021

Tot Ion	Ratio	Lower	Upper
164	100		
166	158.3	100.7	151.1#
129	73.0	80.9	121.3#
131	52.9	80.2	120.4#

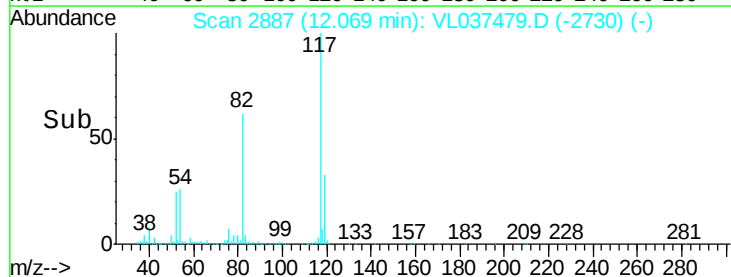
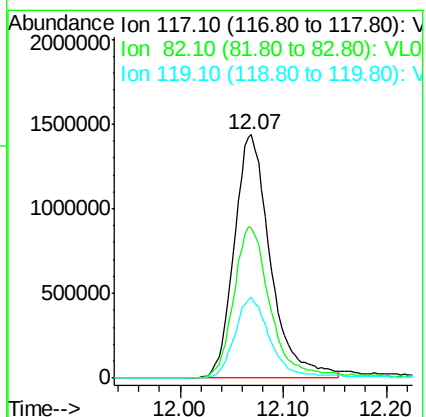
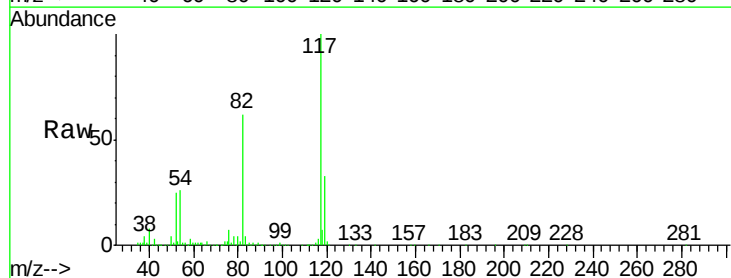
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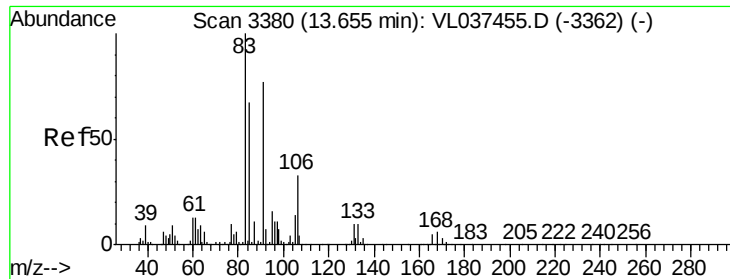
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037479.D
Acq: 17 Aug 2021 2:32

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.5	52.9	79.3
119	33.4	24.8	37.2





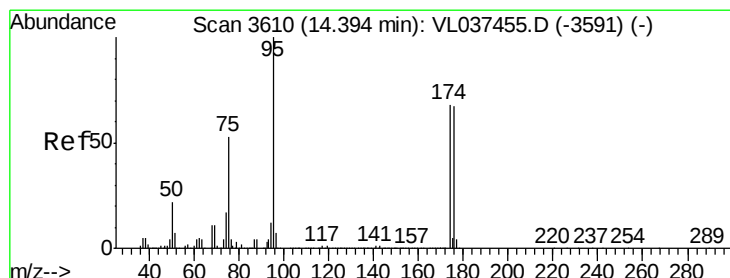
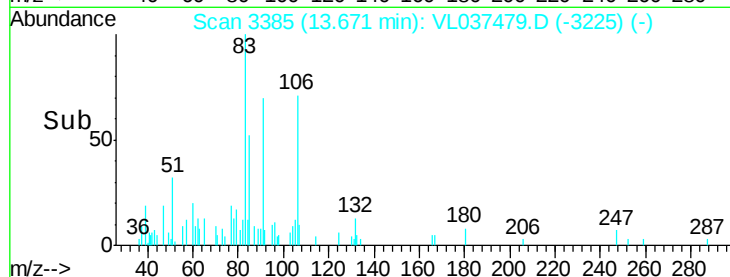
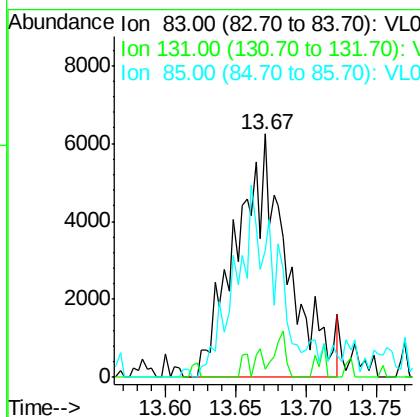
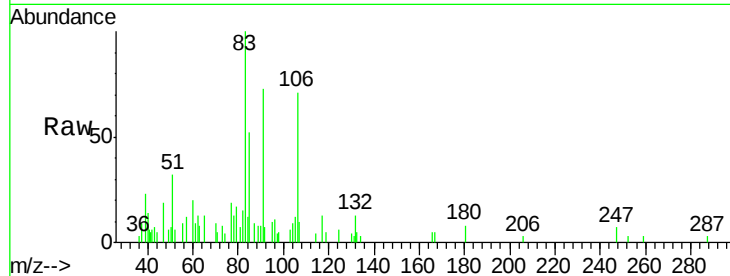
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.053 ppbv m
 RT: 13.67 min Scan# 3385
 Delta R.T. 0.02 min
 Lab File: VL037479.D
 Acq: 17 Aug 2021 2:32

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Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	72.2	33.8	101.3

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.078 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037479.D
 Acq: 17 Aug 2021 2:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.3	59.6	89.4
175	5.1	4.6	7.0

