

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037475.D
 Acq On : 16 Aug 2021 23:57
 Operator : SY/AP
 Sample : M1458-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Manual Integrations
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 8/19/2021 5:59:37 PM

Quant Time: Aug 17 03:29:22 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	1401832	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4119418	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3532404	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2545525	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds					Ovalue
5) Vinyl Chloride	3.25	62	5148m	0.052	ppbv
32) 1,1,1-Trichloroethane	6.49	97	11508m	0.047	ppbv
35) Carbon Tetrachloride	6.99	117	9362m	0.038	ppbv
38) Trichloroethene	7.81	130	6425m	0.045	ppbv
52) Tetrachloroethene	11.19	164	5840m	0.041	ppbv
63) 1,1,2,2-Tetrachloroethane	13.67	83	14132m	0.048	ppbv

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

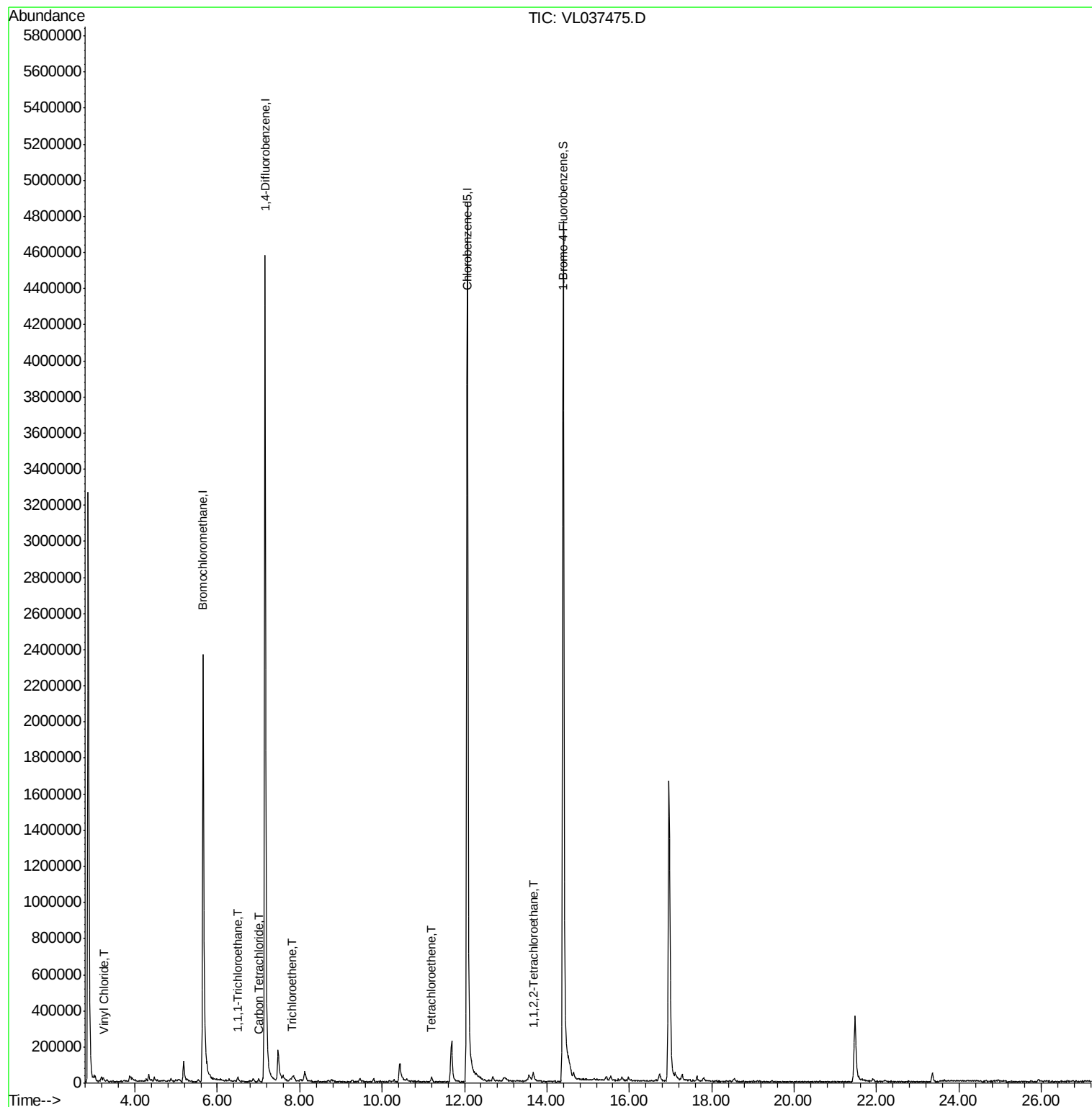
Data Path : Y:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081621\
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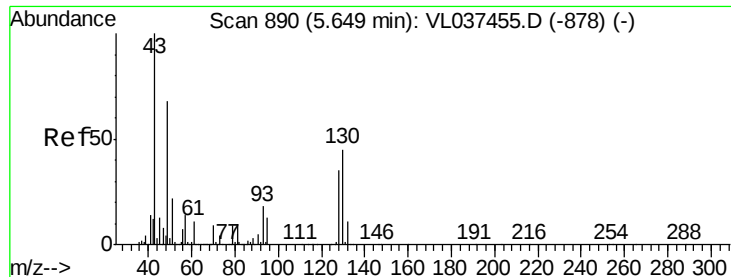
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#1

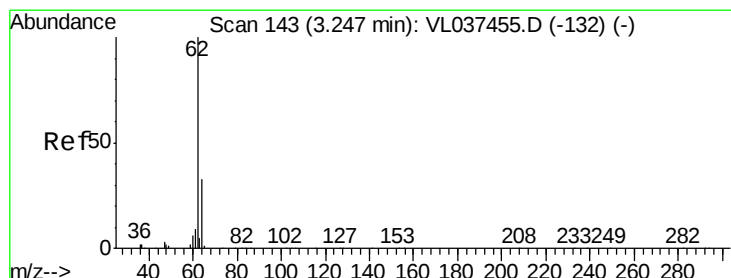
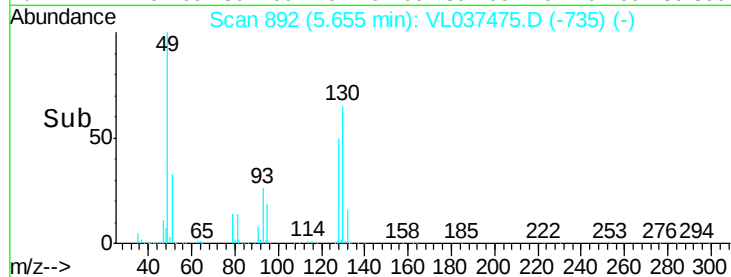
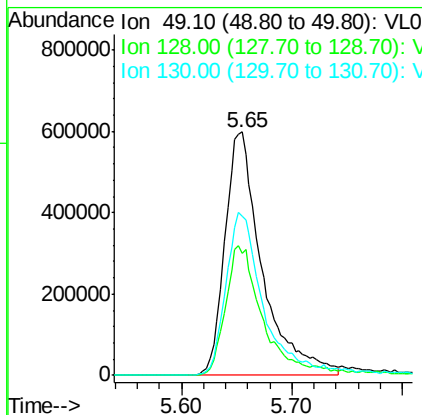
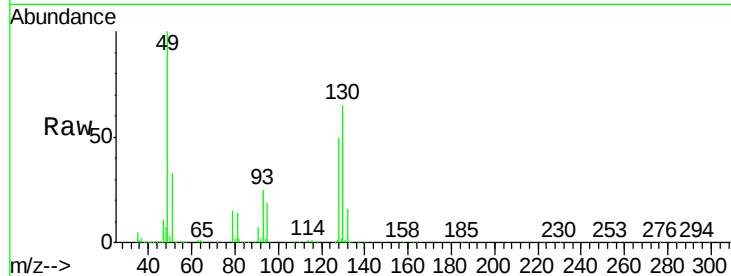
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VL037475.D
 Acq: 16 Aug 2021 23:57

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
49	100		
128	56.8	27.5	82.4
130	68.8	34.0	101.8

Manual Integrations
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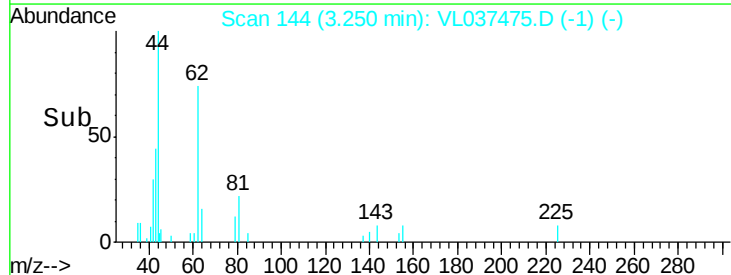
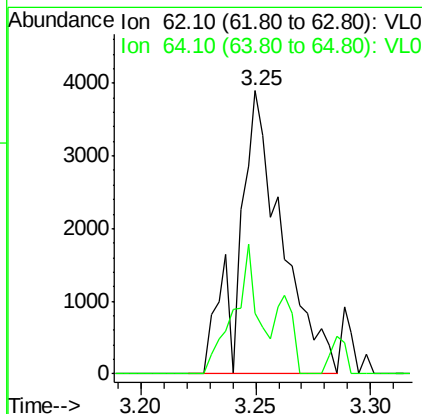
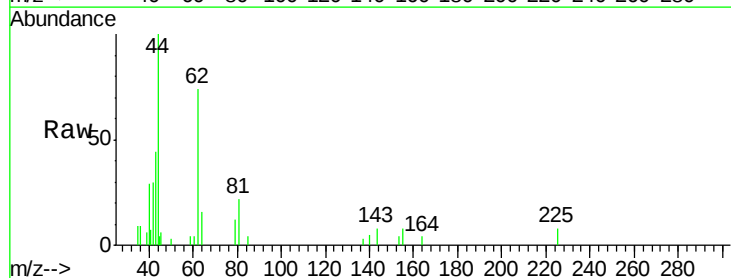
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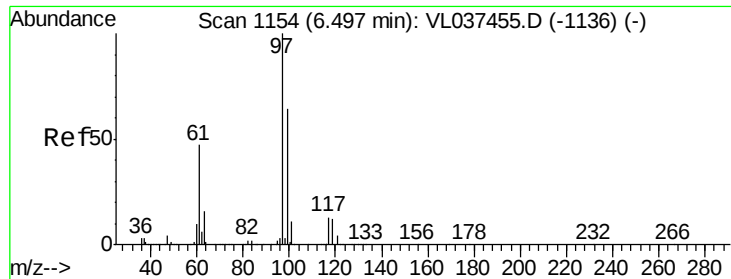


#5

Vinyl Chloride
 Concen: 0.052 ppbv m
 RT: 3.25 min Scan# 144
 Delta R.T. 0.00 min
 Lab File: VL037475.D
 Acq: 16 Aug 2021 23:57

Tgt Ion	Ratio	Lower	Upper
62	100		
64	21.3	26.5	39.7#





#32

1,1,1-Trichloroethane

Concen: 0.047 ppbv m

RT: 6.49 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VL037475.D

Acq: 16 Aug 2021 23:57

Instrument :

MSVOA_L

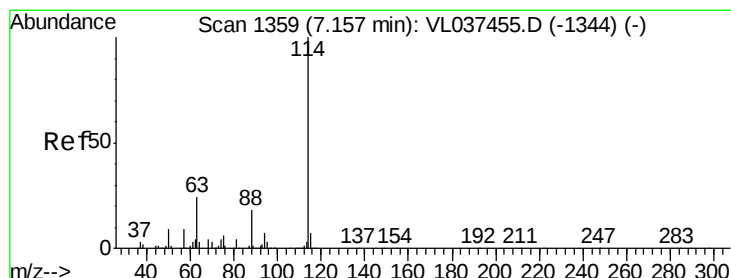
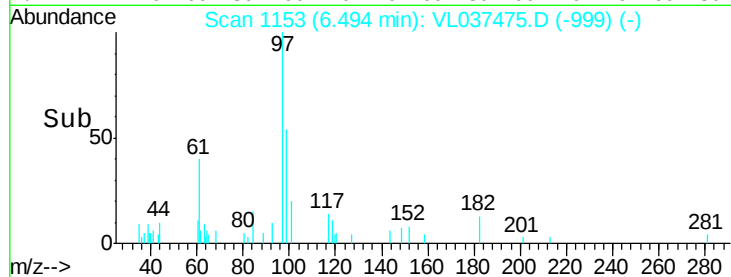
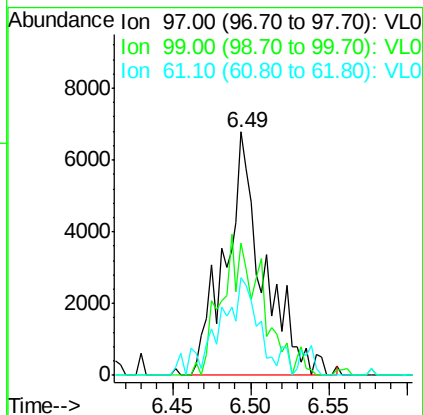
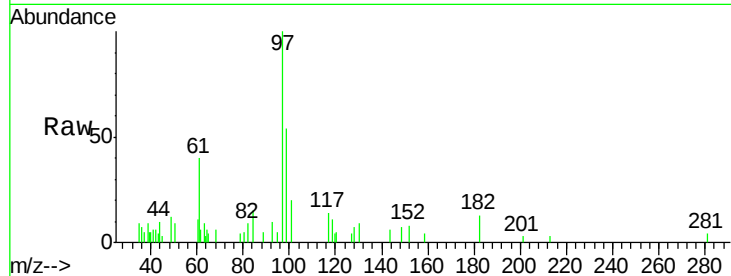
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion:	97	Resp:	11508
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.8	77.6#
61	0.0	39.6	59.4#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

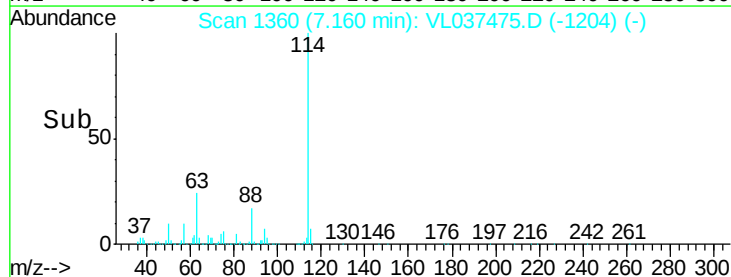
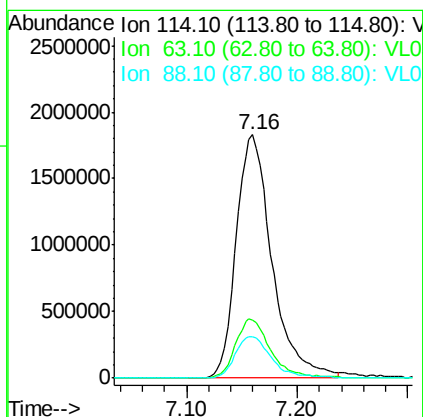
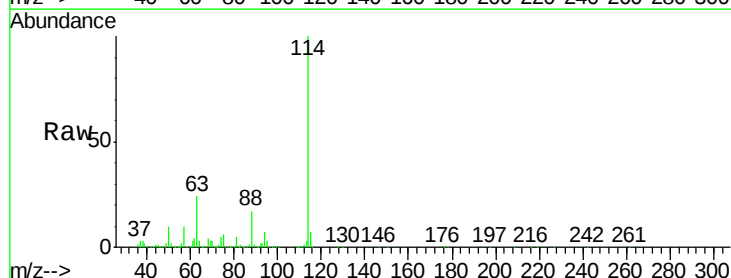
RT: 7.16 min Scan# 1360

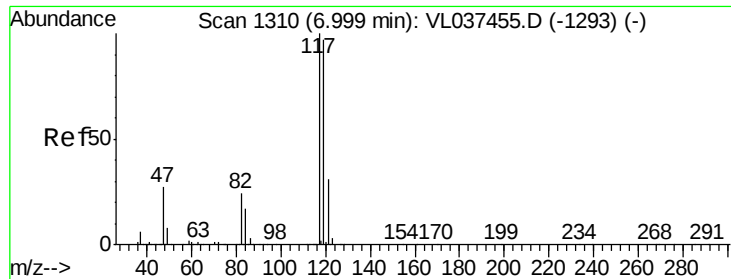
Delta R.T. 0.00 min

Lab File: VL037475.D

Acq: 16 Aug 2021 23:57

Tgt Ion:	114	Resp:	4119418
Ion Ratio	Lower	Upper	
114	100		
63	24.3	19.3	28.9
88	17.8	14.2	21.4





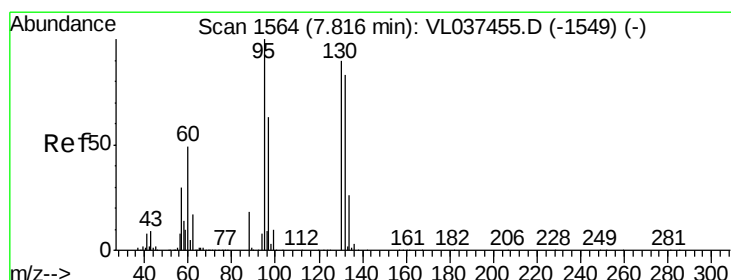
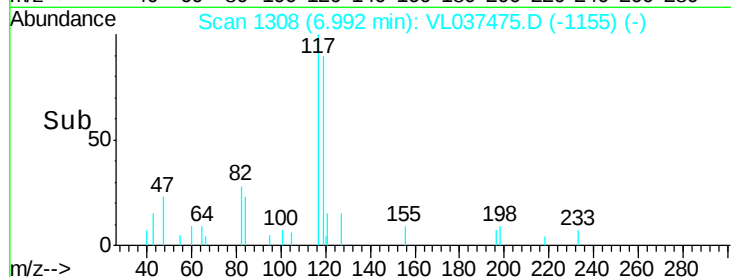
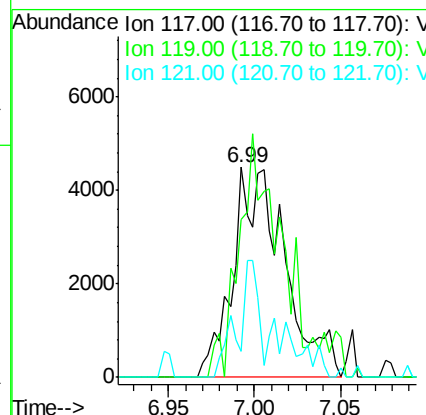
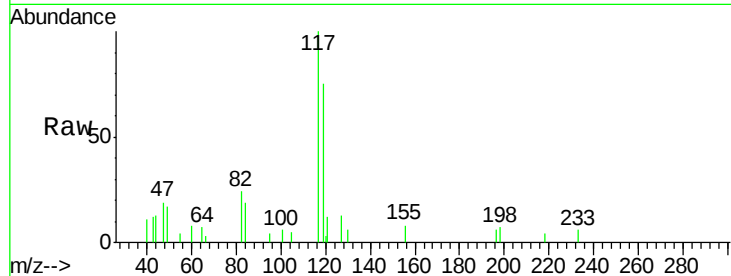
#35
Carbon Tetrachloride
Concen: 0.038 ppbv m
RT: 6.99 min Scan# 1308
Delta R.T. -0.01 min
Lab File: VL037475.D
Acq: 16 Aug 2021 23:57

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
117	100		
119	75.0	77.3	115.9#
121	12.4	25.2	37.8#

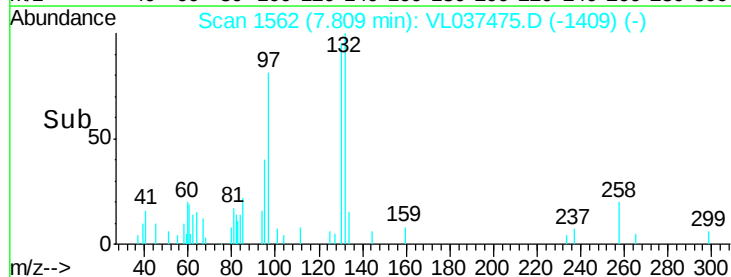
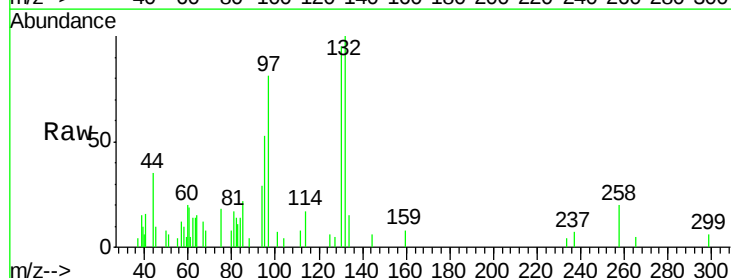
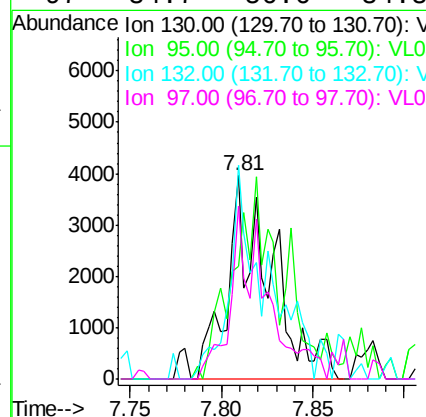
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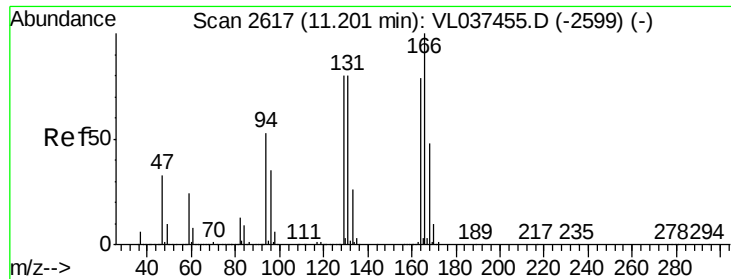
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#38
Trichloroethene
Concen: 0.045 ppbv m
RT: 7.81 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL037475.D
Acq: 16 Aug 2021 23:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	55.6	89.2	133.8#
132	105.0	74.0	111.0
97	84.7	56.6	84.8





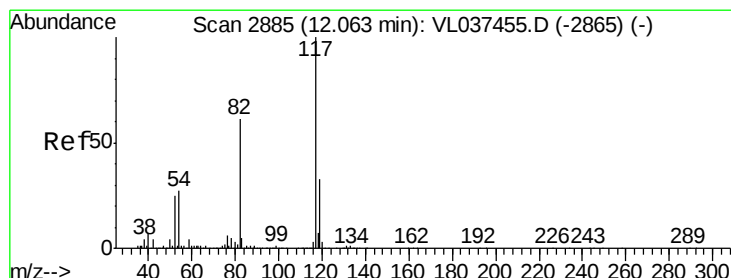
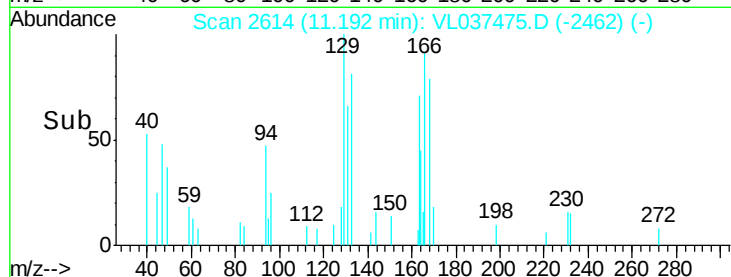
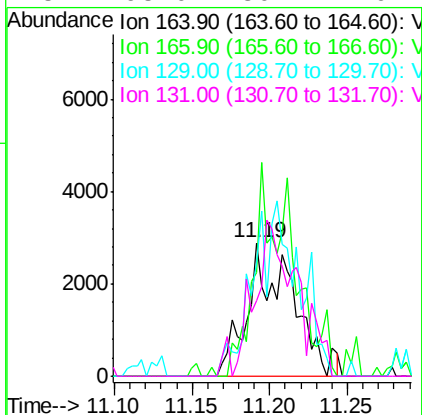
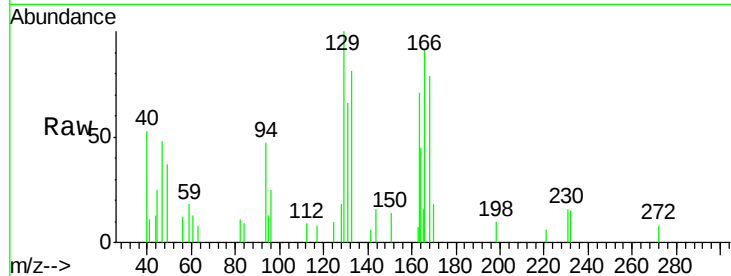
#52
Tetrachloroethene
Concen: 0.041 ppbv m
RT: 11.19 min Scan# 2614
Delta R.T. -0.01 min
Lab File: VL037475.D
Acq: 16 Aug 2021 23:57

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.9	100.7	151.1
129	140.8	80.9	121.3
131	93.0	80.2	120.4

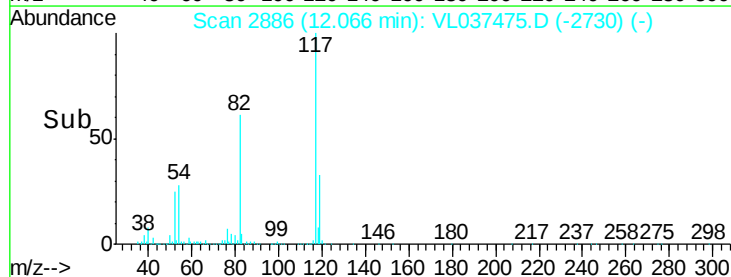
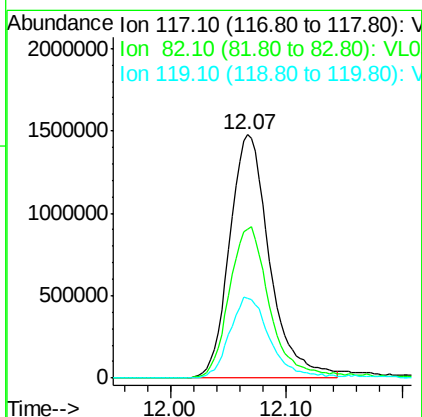
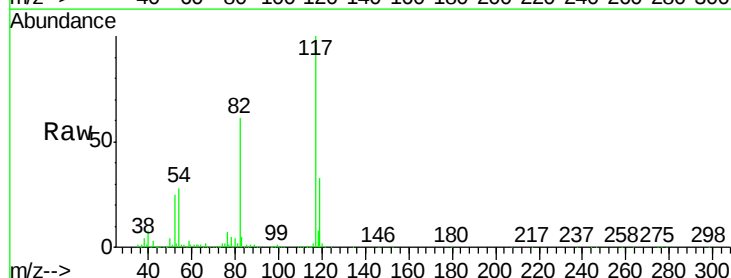
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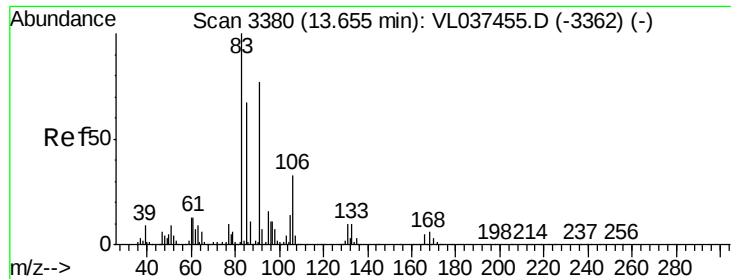
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037475.D
Acq: 16 Aug 2021 23:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.0	52.9	79.3
119	35.1	24.8	37.2





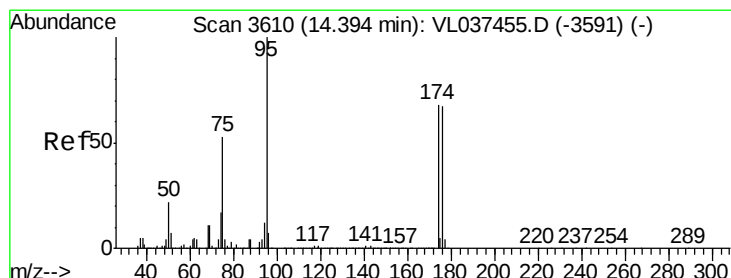
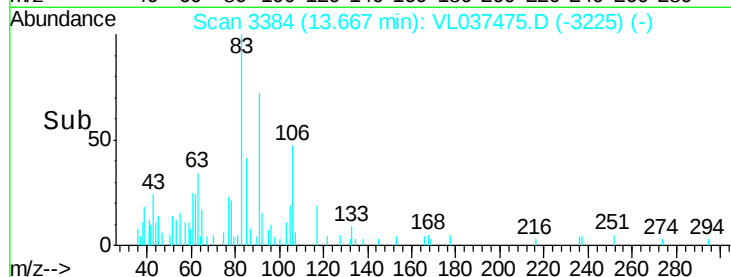
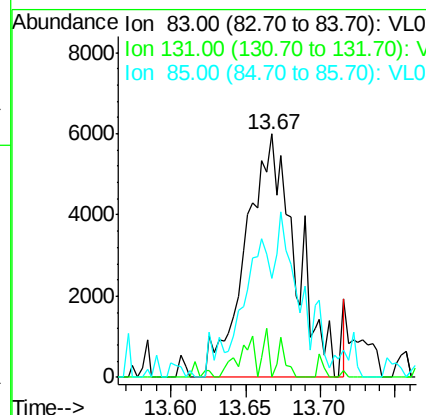
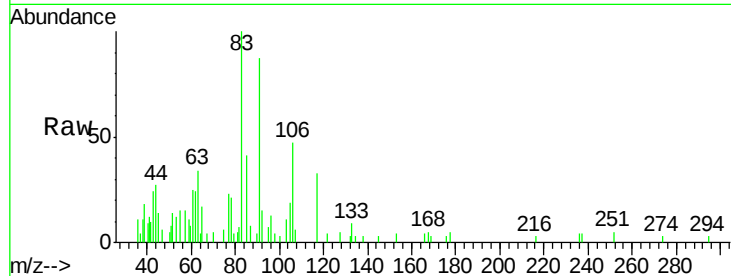
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.048 ppbv m
 RT: 13.67 min Scan# 3384
 Delta R.T. 0.01 min
 Lab File: VL037475.D
 Acq: 16 Aug 2021 23:57

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Resp	Lower	Upper
83	100	14132		
131	0.0	5.0	15.0#	
85	0.0	33.8	101.3#	

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.143 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037475.D
 Acq: 16 Aug 2021 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	2545525		
174	74.2	59.6	89.4	
175	5.4	4.6	7.0	

