

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091621\
 Data File : VL037615.D
 Acq On : 16 Sep 2021 12:10
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
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 9/20/2021 5:26:46 PM

Quant Time: Sep 16 13:04:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 2021
 QLast Update : Thu Sep 16 10:46:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1613721	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4663538	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4064220	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2976246	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.25	62	2203m	0.019	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	7504m	0.026	ppbv	
35) Carbon Tetrachloride	7.01	117	8103m	0.029	ppbv	
38) Trichloroethene	7.83	130	5661m	0.035	ppbv	
52) Tetrachloroethene	11.18	164	5085m	0.032	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.65	83	13269m	0.039	ppbv	

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

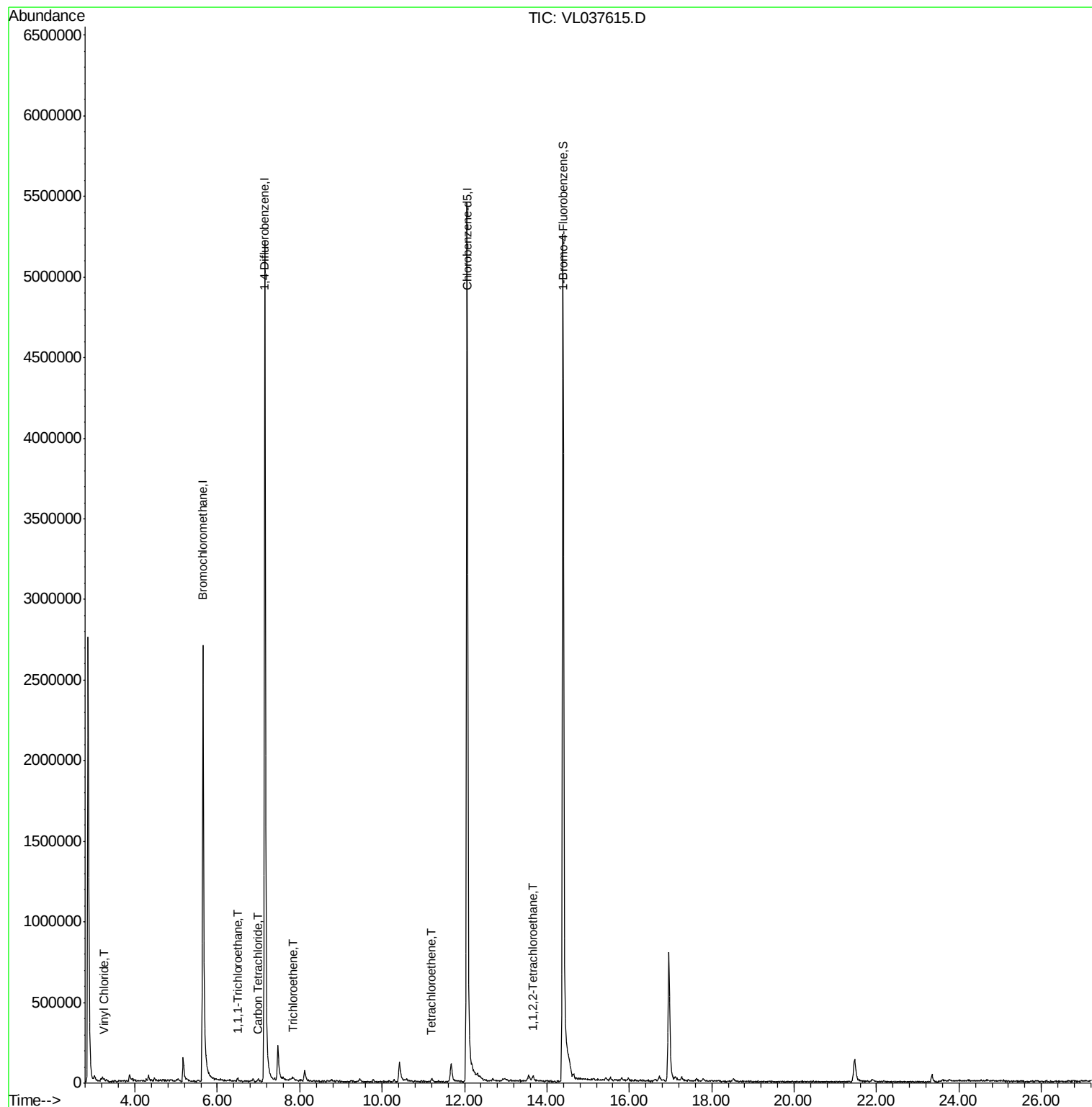
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091621\
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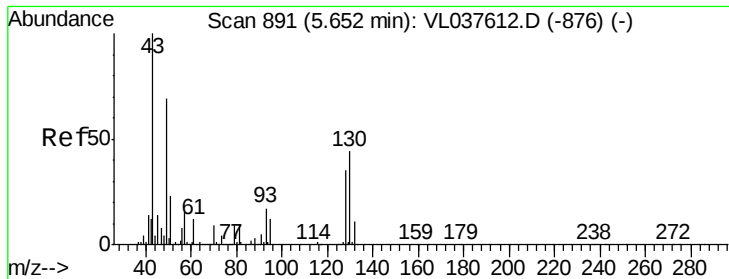
Instrument :
MSVOA_L
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#1

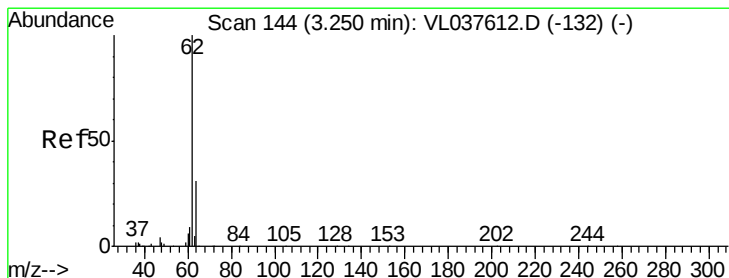
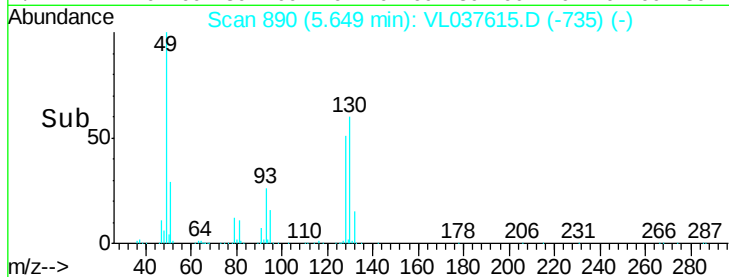
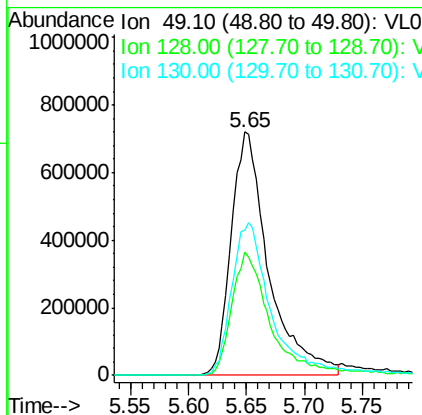
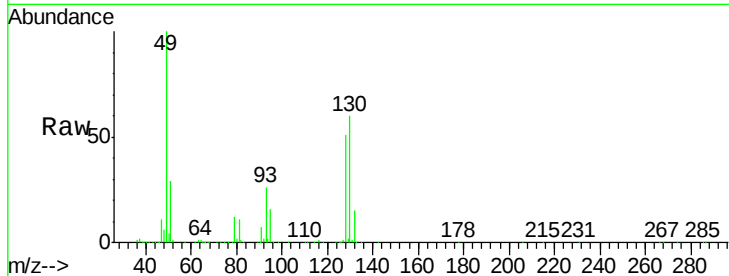
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VL037615.D
 Acq: 16 Sep 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion: 49 Resp: 1613721
 Ion Ratio Lower Upper
 49 100
 128 53.9 27.9 83.6
 130 68.0 33.9 101.7

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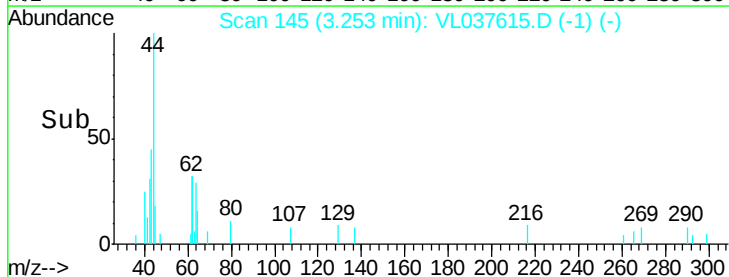
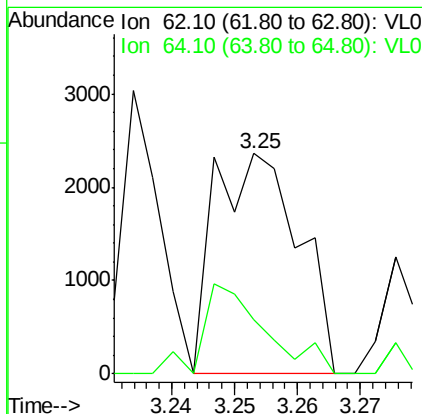
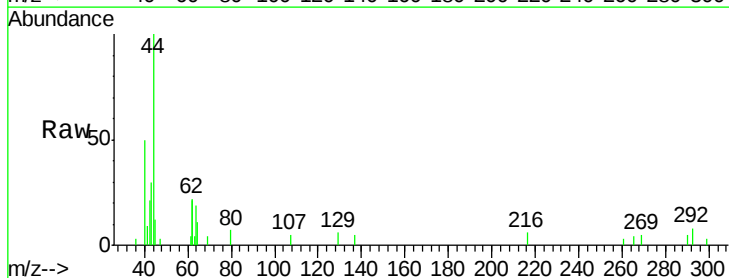
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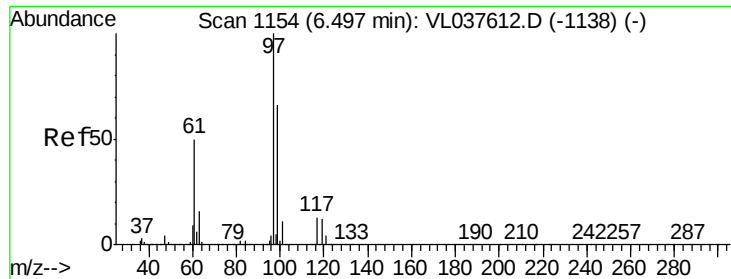


#5

Vinyl Chloride
 Concen: 0.019 ppbv m
 RT: 3.25 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VL037615.D
 Acq: 16 Sep 2021 12:10

Tgt Ion: 62 Resp: 2203
 Ion Ratio Lower Upper
 62 100
 64 49.2 24.9 37.3#





#32

1,1,1-Trichloroethane

Concen: 0.026 ppbv m

RT: 6.50 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VL037615.D

Acq: 16 Sep 2021 12:10

Instrument :

MSVOA_L

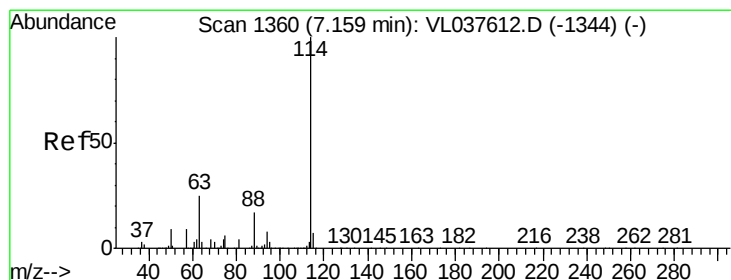
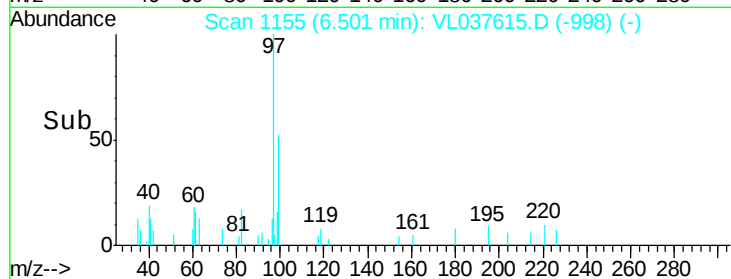
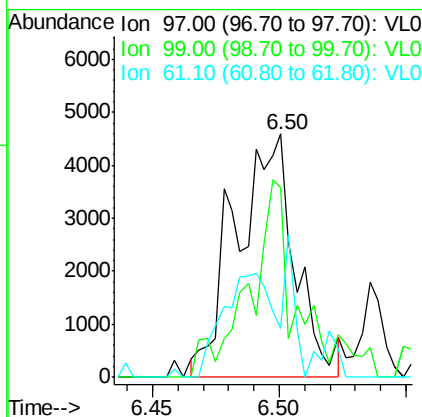
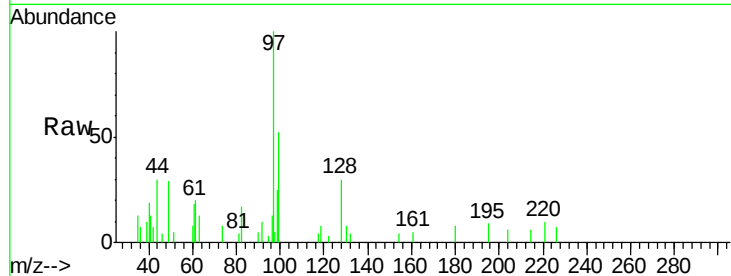
ClientSampleId :

VSTDIC0.03

Tgt Ion:	97	Resp:	7504
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.3	78.5#
61	0.0	39.5	59.3#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

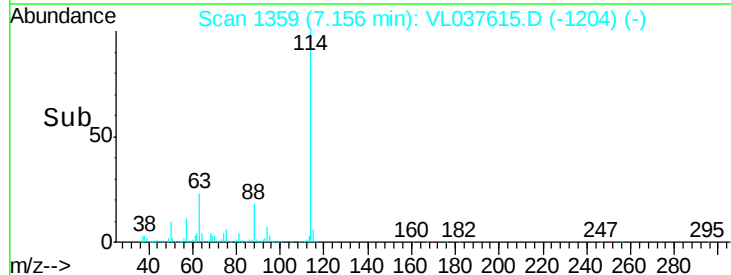
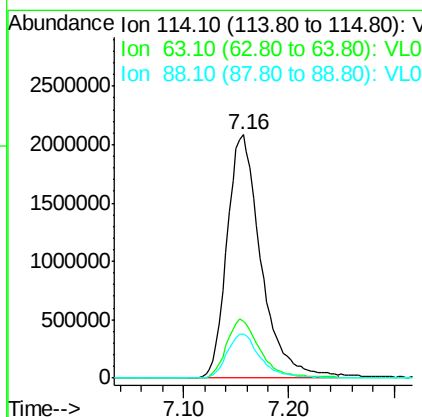
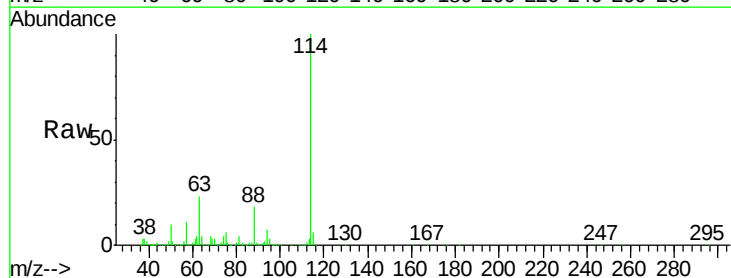
RT: 7.16 min Scan# 1359

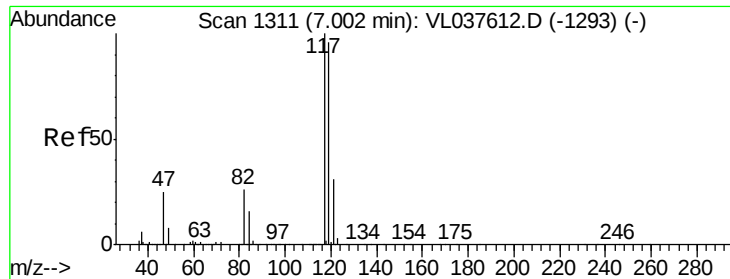
Delta R.T. -0.00 min

Lab File: VL037615.D

Acq: 16 Sep 2021 12:10

Tgt Ion:	114	Resp:	4663538
Ion Ratio	Lower	Upper	
114	100		
63	24.2	19.6	29.4
88	18.1	14.2	21.4





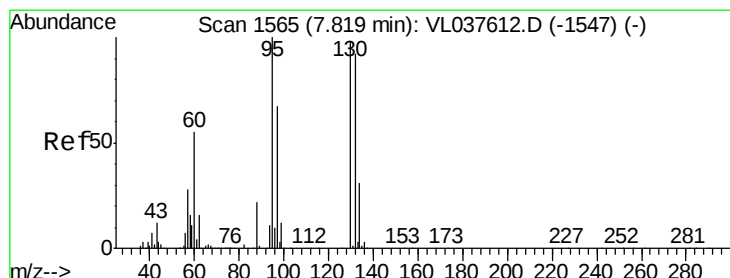
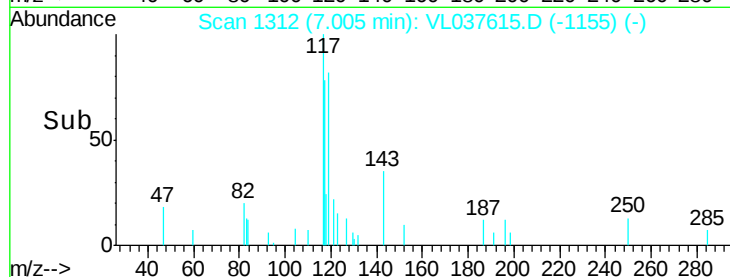
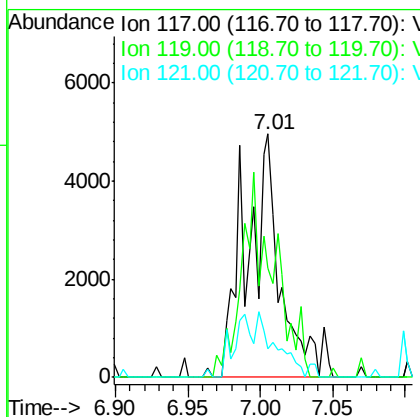
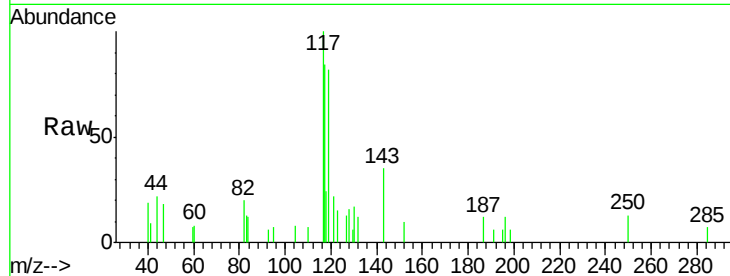
#35
Carbon Tetrachloride
Concen: 0.029 ppbv m
RT: 7.01 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VL037615.D
Acq: 16 Sep 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	8103		
119	82.3	77.0	115.6	
121	21.6	24.5	36.7#	

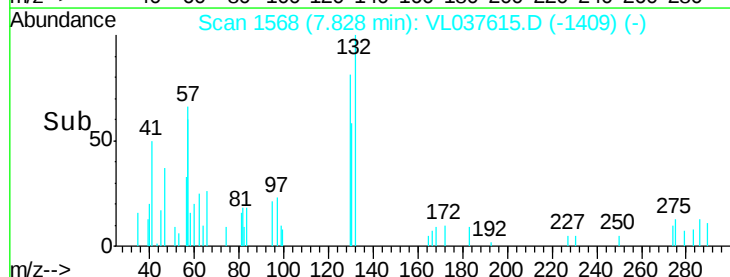
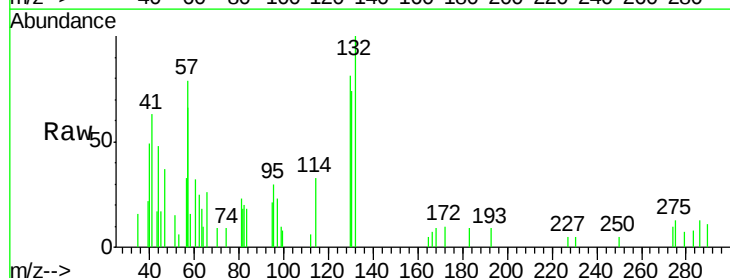
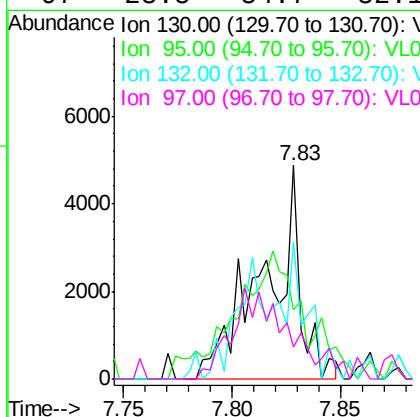
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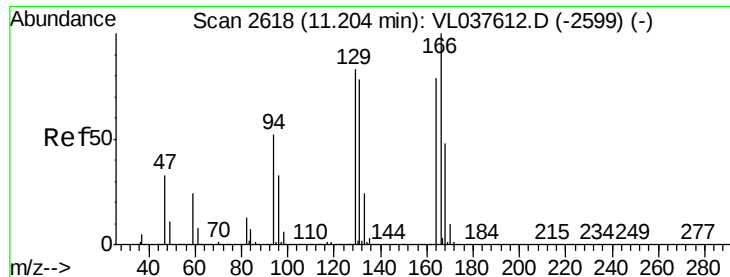
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#38
Trichloroethene
Concen: 0.035 ppbv m
RT: 7.83 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VL037615.D
Acq: 16 Sep 2021 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	5661		
95	36.3	81.8	122.6#	
132	123.1	75.3	112.9#	
97	28.5	54.7	82.1#	





#52

Tetrachloroethene

Concen: 0.032 ppbv m

RT: 11.18 min Scan# 2611

Delta R.T. -0.02 min

Lab File: VL037615.D

Acq: 16 Sep 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion:164 Resp: 5085

Ion Ratio Lower Upper

164 100

166 18.8 101.2 151.8#

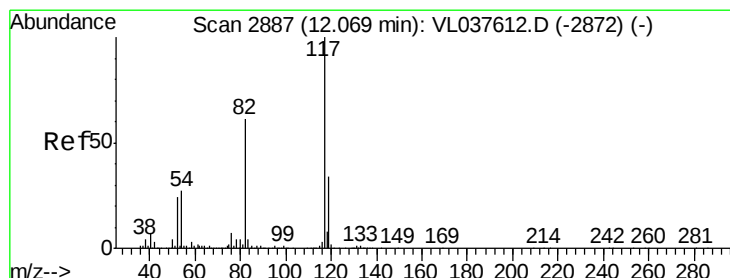
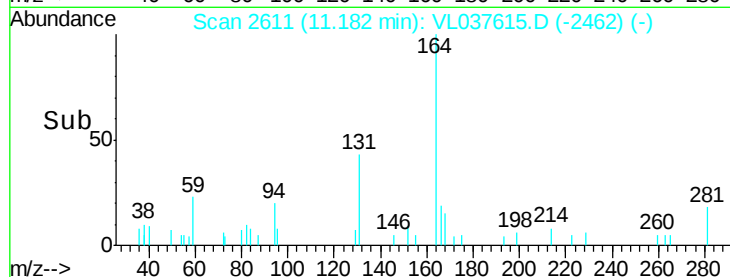
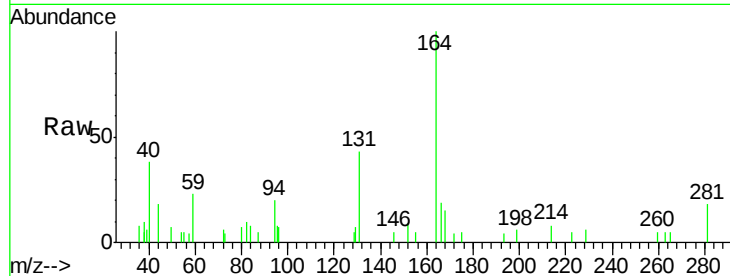
129 7.3 84.0 126.0#

131 43.1 78.8 118.2#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037615.D

Acq: 16 Sep 2021 12:10

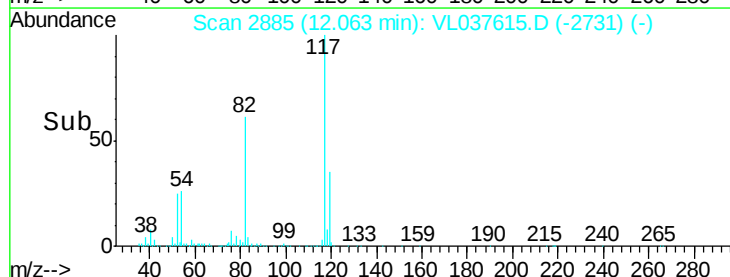
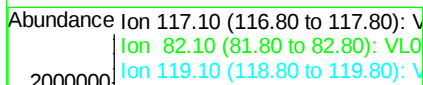
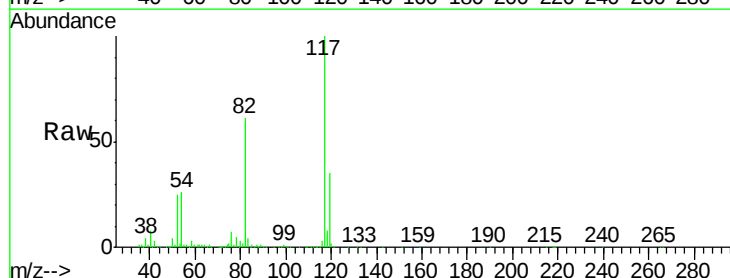
Tgt Ion:117 Resp: 4064220

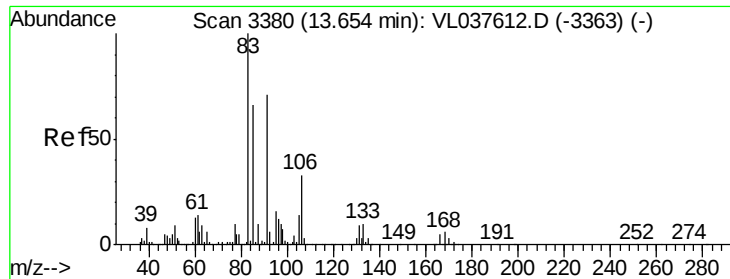
Ion Ratio Lower Upper

117 100

82 62.0 50.6 75.8

119 34.2 26.2 39.2





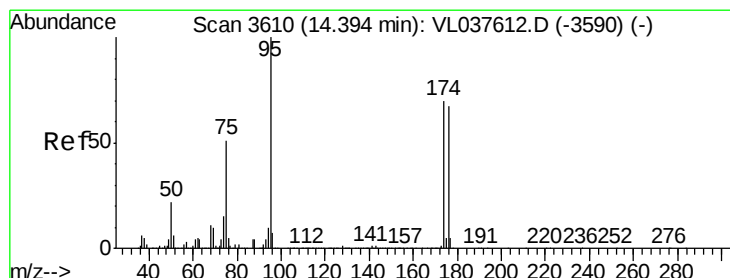
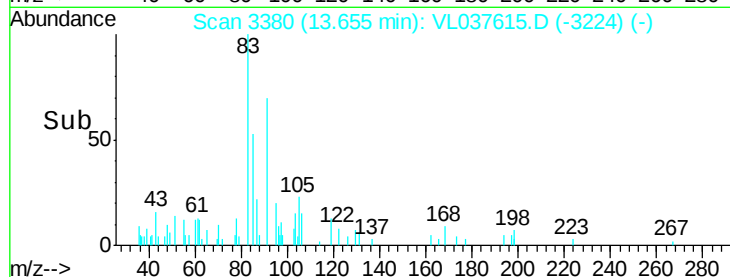
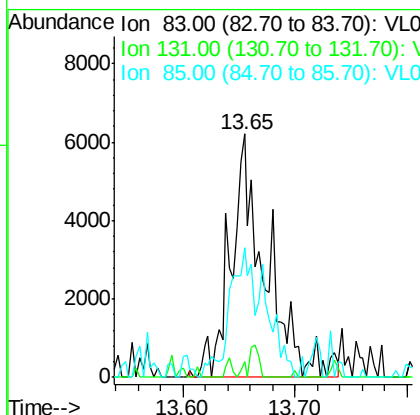
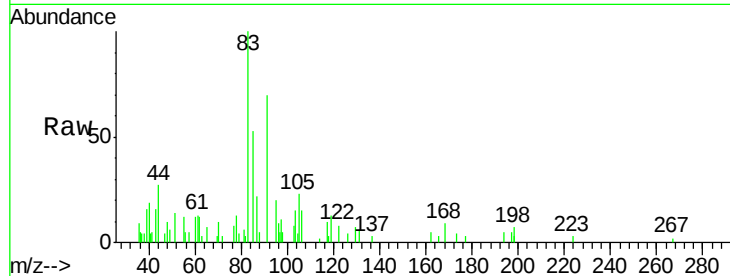
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.039 ppbv m
 RT: 13.65 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VL037615.D
 Acq: 16 Sep 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.3#
85	0.0	33.3	99.9#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.308 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.01 min
 Lab File: VL037615.D
 Acq: 16 Sep 2021 12:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	56.3	84.5
175	5.5	4.4	6.6

