

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037342.D
 Acq On : 6 Aug 2021 12:34
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
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 8/10/2021 6:10:32 PM

Quant Time: Aug 06 16:18:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 06 2021
 QLast Update : Fri Aug 06 15:47:06 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	916991	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3085306	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2791359	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1900418	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	9122m	0.129	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	18506m	0.103	ppbv	
35) Carbon Tetrachloride	7.01	117	17783m	0.094	ppbv	
38) Trichloroethene	7.82	130	12210m	0.100	ppbv	
52) Tetrachloroethene	11.21	164	11105m	0.092	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	23676m	0.102	ppbv	

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

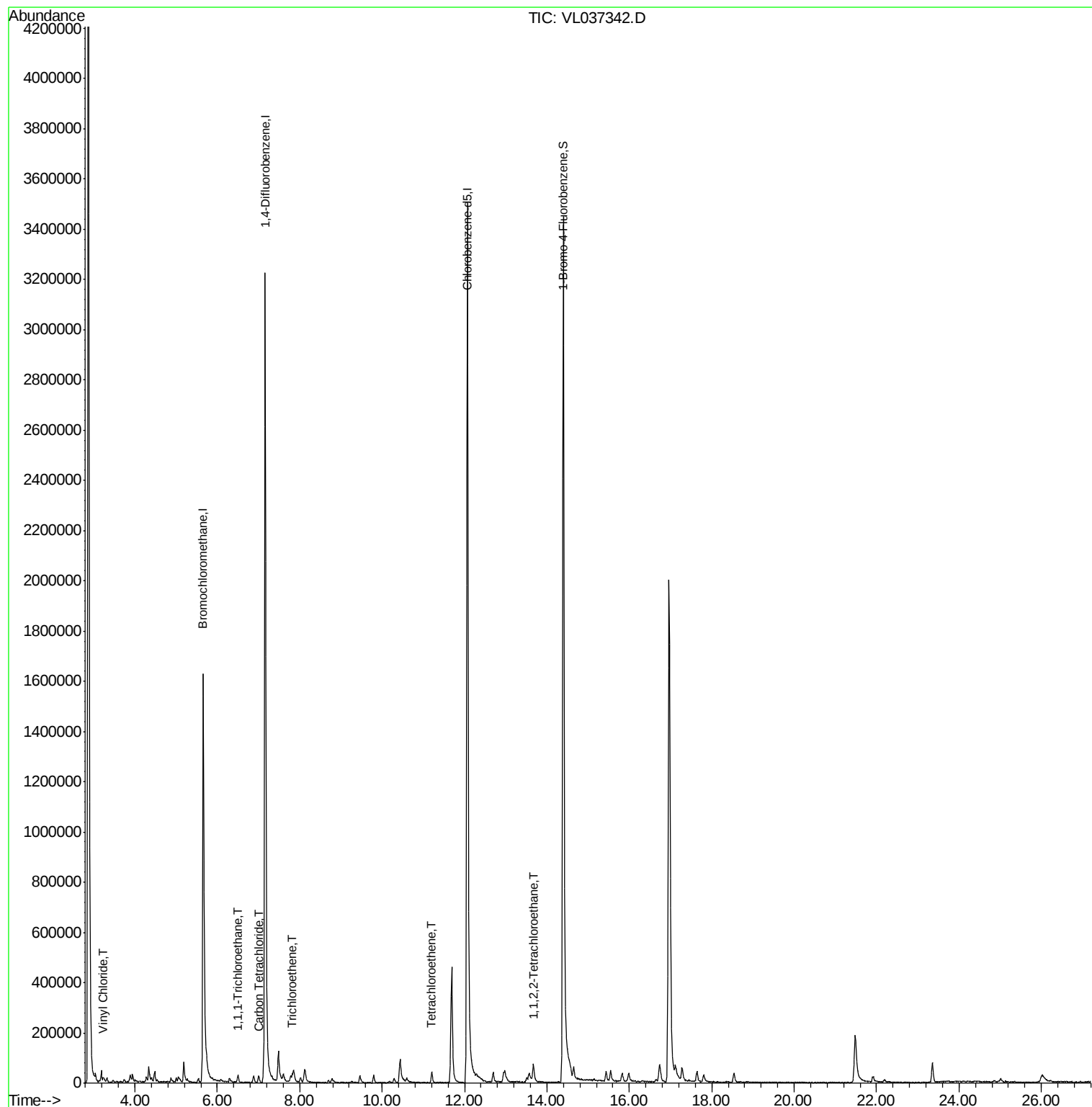
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080621\
Data File : VL037342.D
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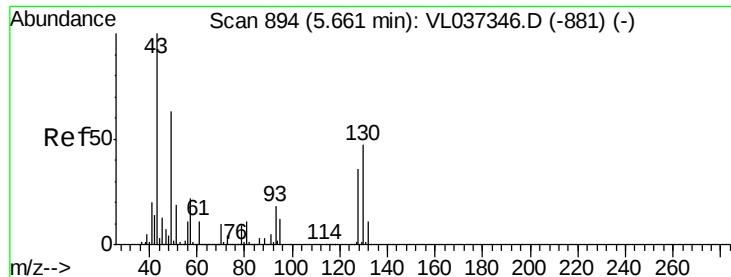
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
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QLast Update : Fri Aug 06 15:47:06 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL037342.D

Acq: 6 Aug 2021 12:34

Instrument :

MSVOA_L

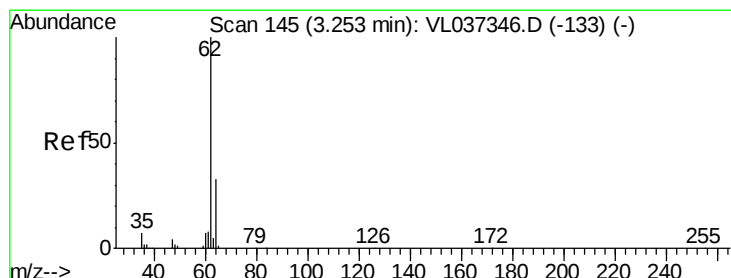
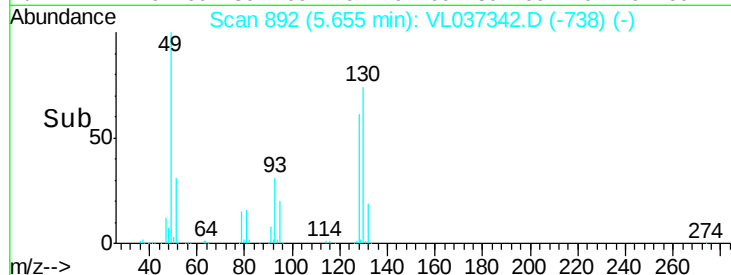
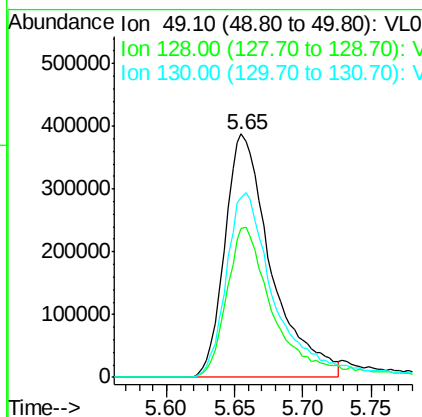
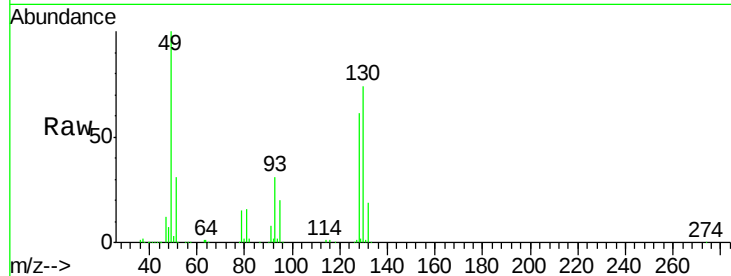
ClientSampleId :

VSTDIC0.1

Tot Ion:	49	Resp:	916991
Ion	Ratio	Lower	Upper
49	100		
128	66.5	32.1	96.3
130	82.7	40.0	120.0

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#5

Vinyl Chloride

Concen: 0.129 ppbv m

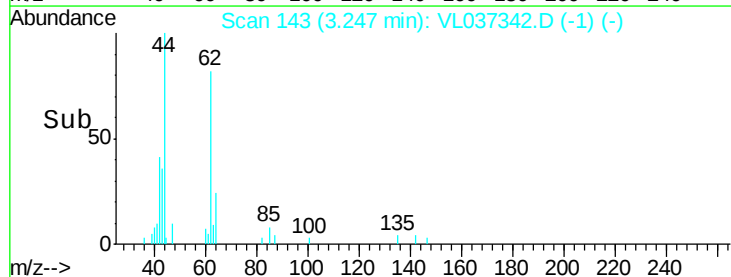
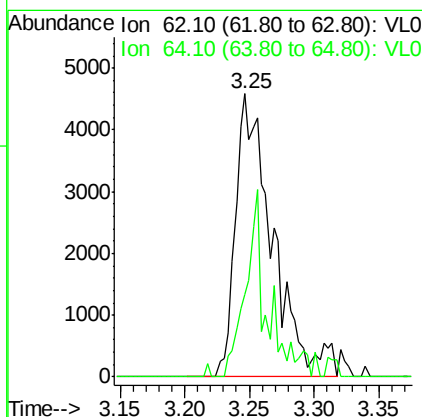
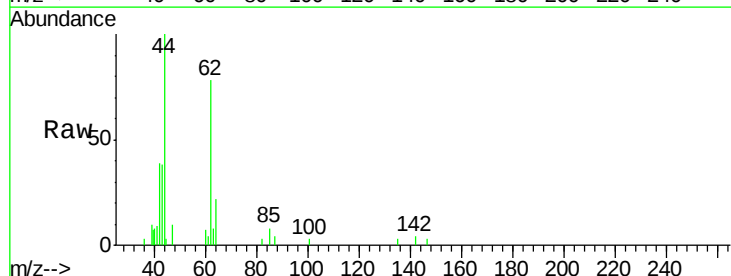
RT: 3.25 min Scan# 143

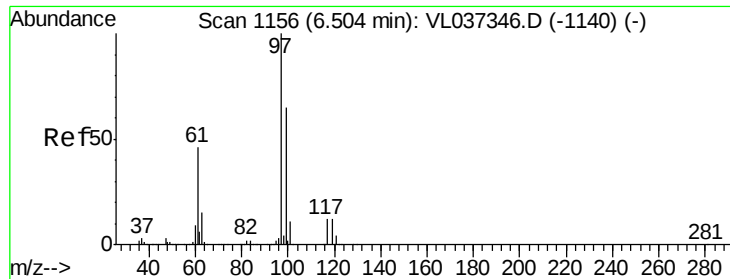
Delta R.T. -0.01 min

Lab File: VL037342.D

Acq: 6 Aug 2021 12:34

Tgt Ion:	62	Resp:	9122
Ion	Ratio	Lower	Upper
62	100		
64	28.9	26.4	39.6





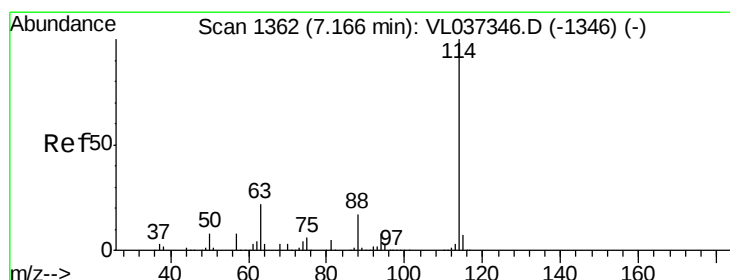
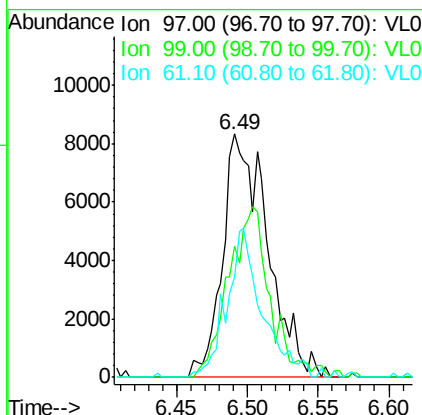
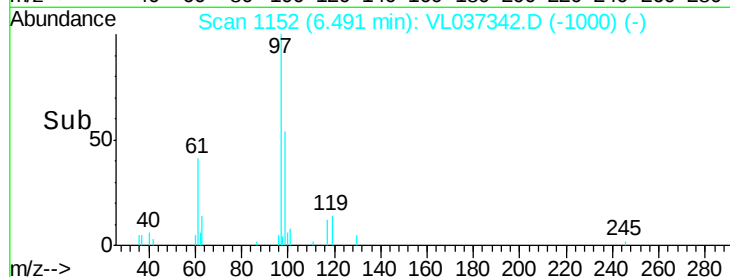
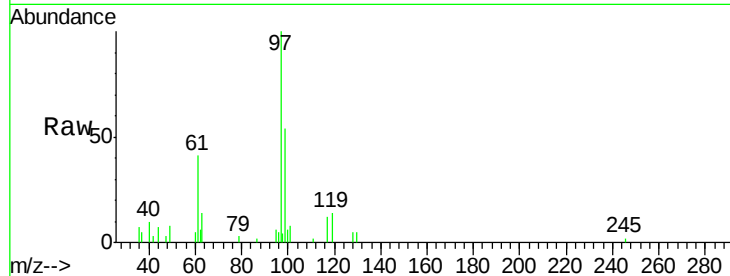
#32
 1,1,1-Trichloroethane
 Concen: 0.103 ppbv m
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VL037342.D
 Acq: 6 Aug 2021 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.8	77.6#
61	0.0	37.0	55.4#

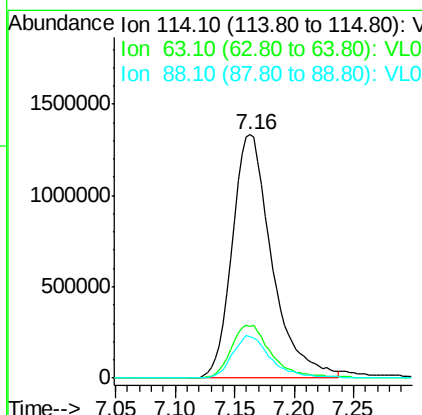
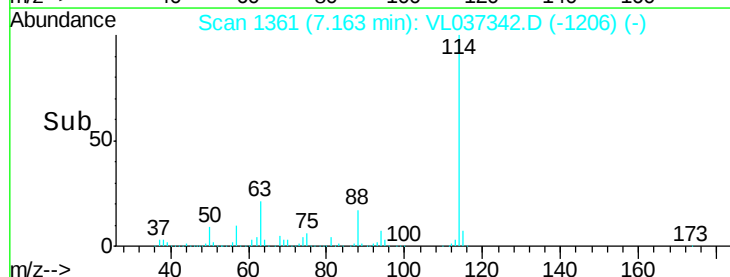
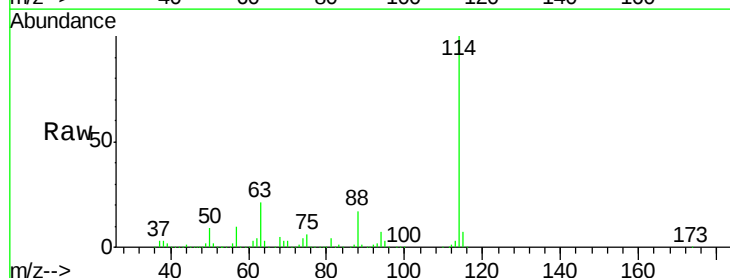
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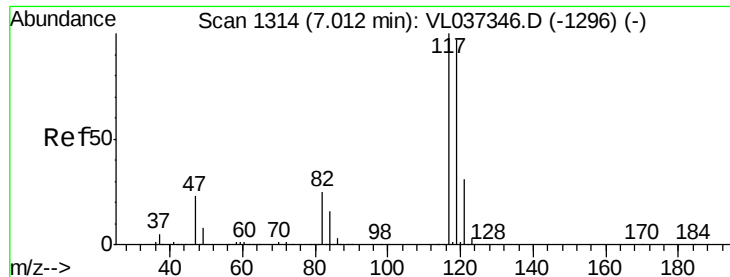
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.00 min
 Lab File: VL037342.D
 Acq: 6 Aug 2021 12:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	17.9	26.9
88	17.2	13.4	20.2





#35

Carbon Tetrachloride

Concen: 0.094 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VL037342.D

Acq: 6 Aug 2021 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:117 Resp: 17783

Ion Ratio Lower Upper

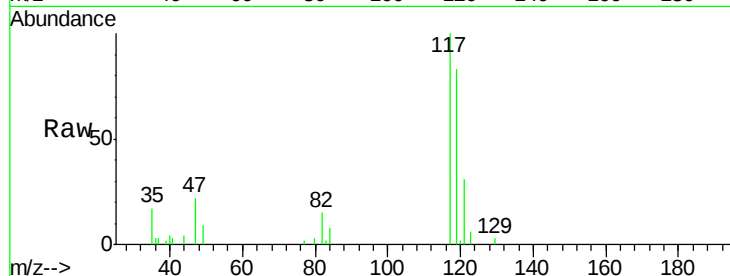
117 100

119 82.9 77.8 116.8

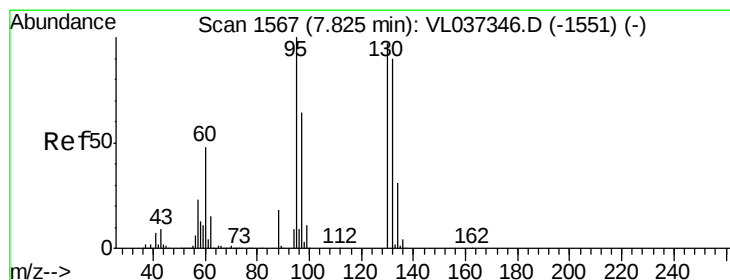
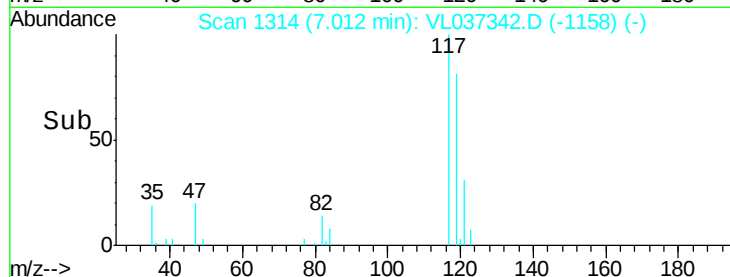
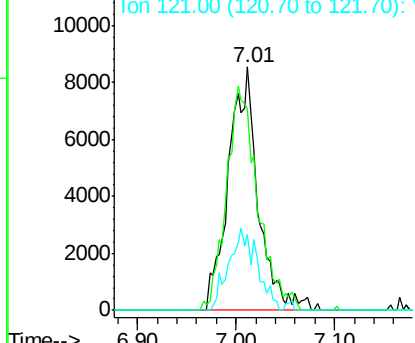
121 31.0 24.6 36.8

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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: 0.100 ppbv m

RT: 7.82 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VL037342.D

Acq: 6 Aug 2021 12:34

Tgt Ion:130 Resp: 12210

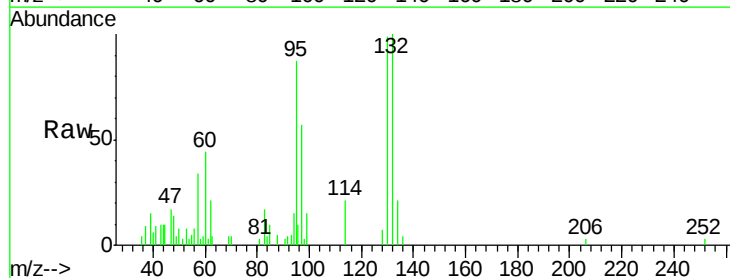
Ion Ratio Lower Upper

130 100

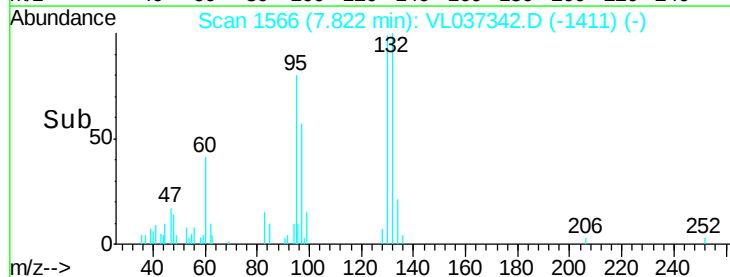
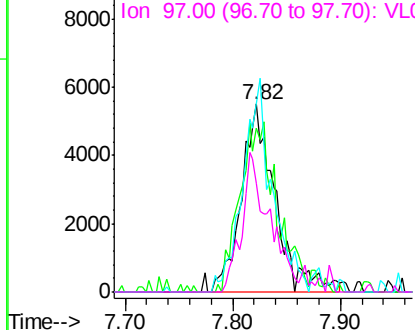
95 87.1 82.8 124.2

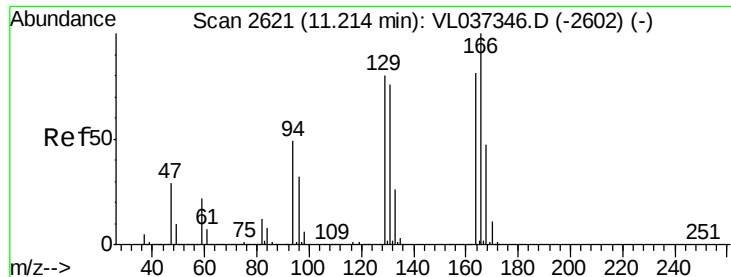
132 100.6 74.9 112.3

97 57.8 52.8 79.2



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: 0.092 ppbv m

RT: 11.21 min Scan# 2619

Delta R.T. -0.01 min

Lab File: VL037342.D

Acq: 6 Aug 2021 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 11105

Ion Ratio Lower Upper

164 100

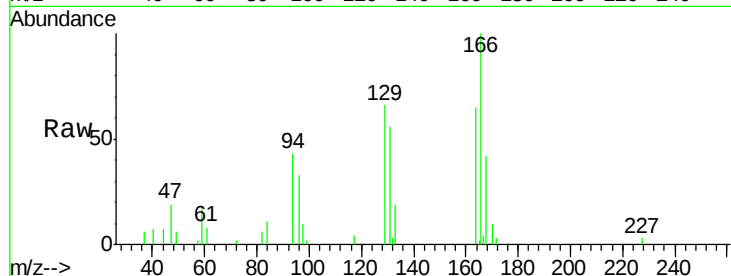
166 153.1 99.4 149.0#

129 101.3 79.2 118.8

131 85.8 75.4 113.0

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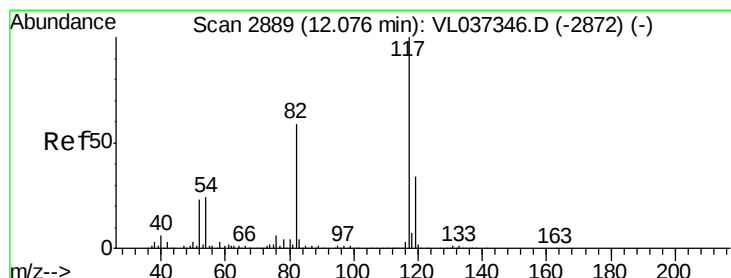
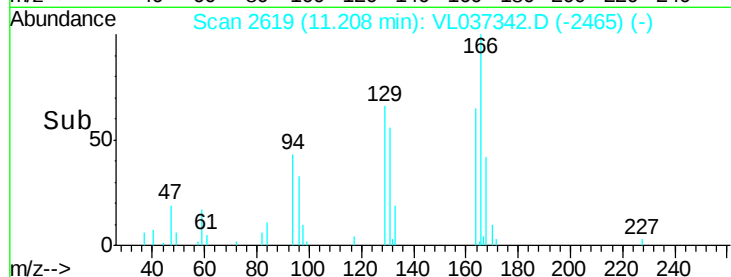
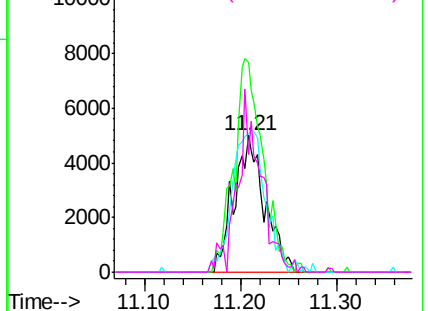


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL037342.D

Acq: 6 Aug 2021 12:34

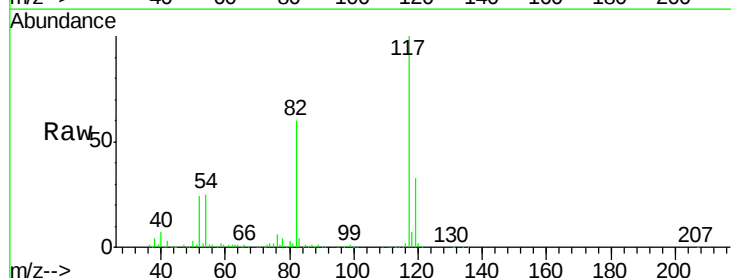
Tgt Ion:117 Resp: 2791359

Ion Ratio Lower Upper

117 100

82 58.8 50.5 75.7

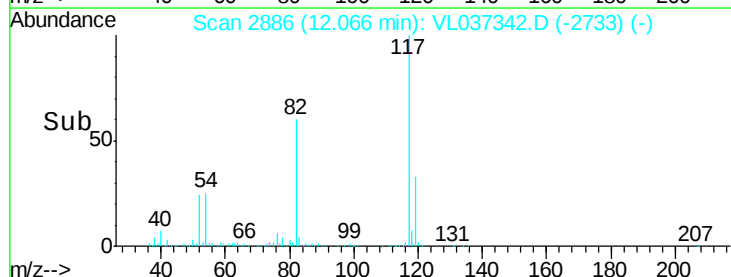
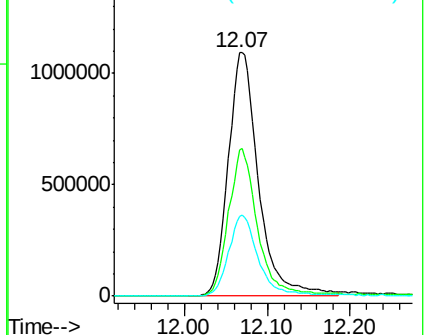
119 33.8 50.7 76.1#

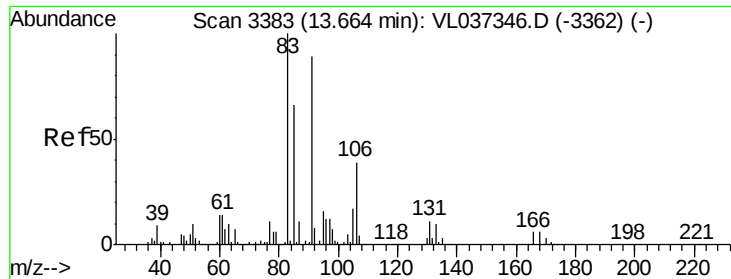


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





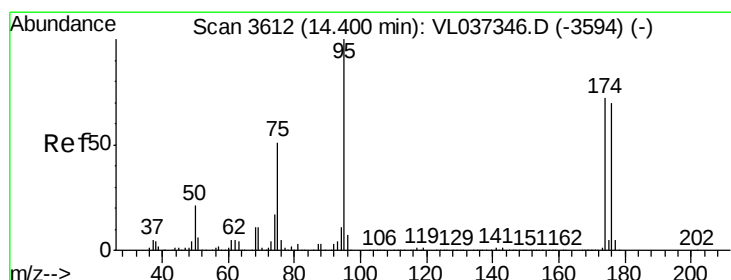
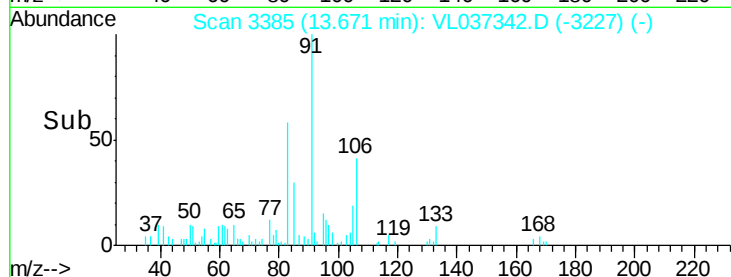
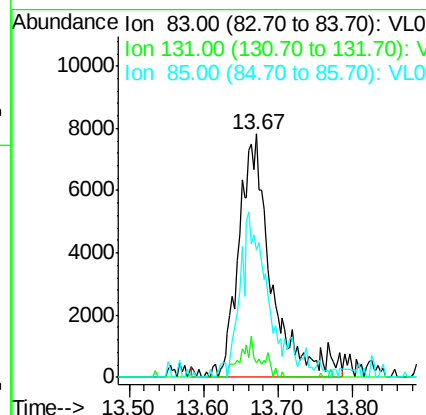
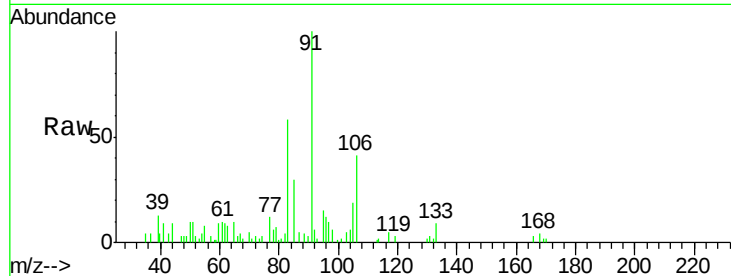
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.102 ppbv m
 RT: 13.67 min Scan# 3385
 Delta R.T. 0.01 min
 Lab File: VL037342.D
 Acq: 6 Aug 2021 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	0.0	33.1	99.2#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.739 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.00 min
 Lab File: VL037342.D
 Acq: 6 Aug 2021 12:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	60.8	91.2
175	5.7	4.3	6.5

