

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037413.D
 Acq On : 12 Aug 2021 13:32
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

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 8/13/2021 11:06:54 AM

Quant Time: Aug 12 14:39:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 2021
 QLast Update : Thu Aug 12 11:34:23 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1189948	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3846649	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3321246	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2489252	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	9355	0.112	ppbv	# 77
32) 1,1,1-Trichloroethane	6.51	97	23768m	0.116	ppbv	
35) Carbon Tetrachloride	7.02	117	23436m	0.109	ppbv	
38) Trichloroethene	7.83	130	16147m	0.124	ppbv	
52) Tetrachloroethene	11.22	164	16003m	0.129	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	31082m	0.116	ppbv	

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

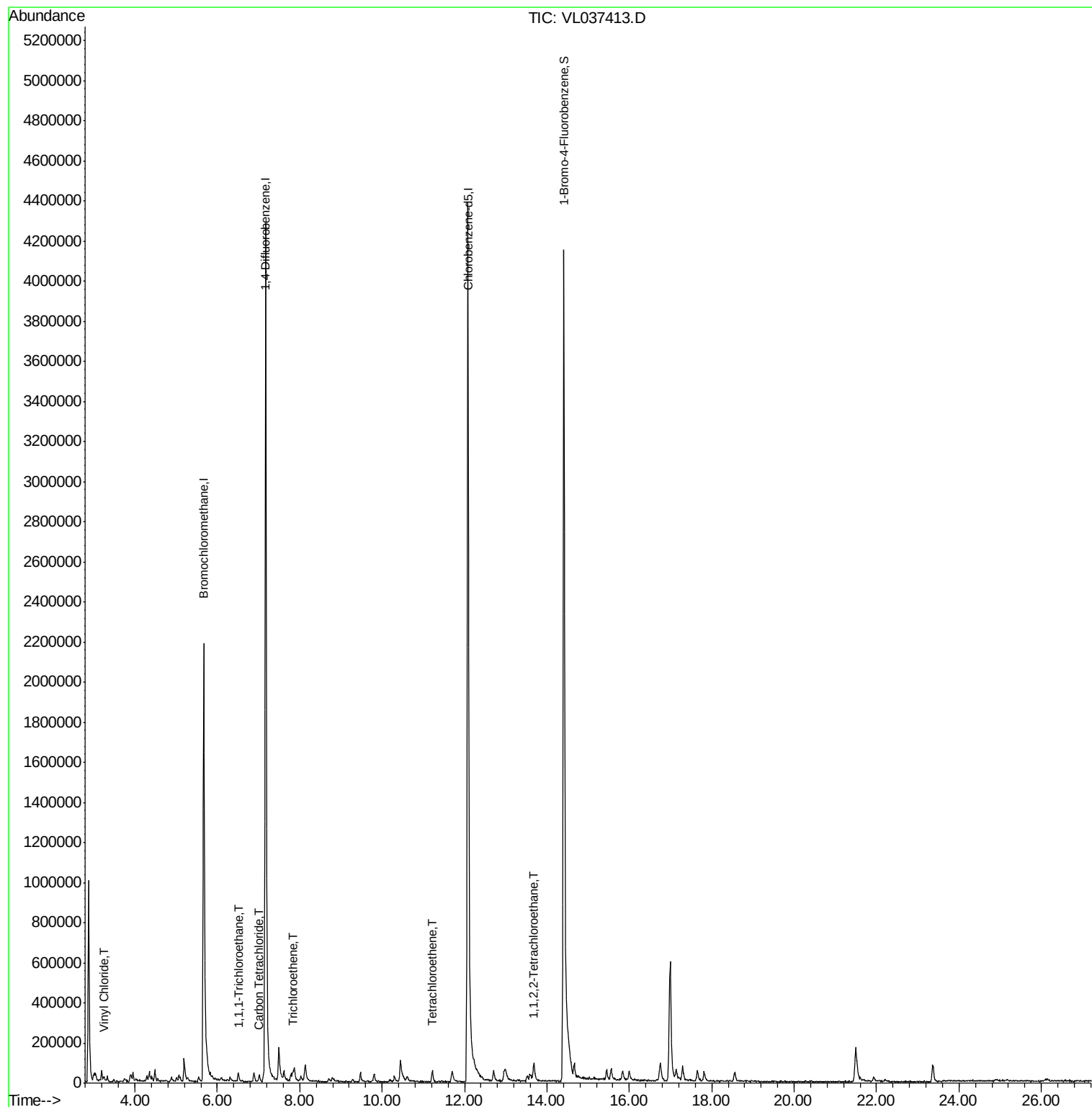
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081221\
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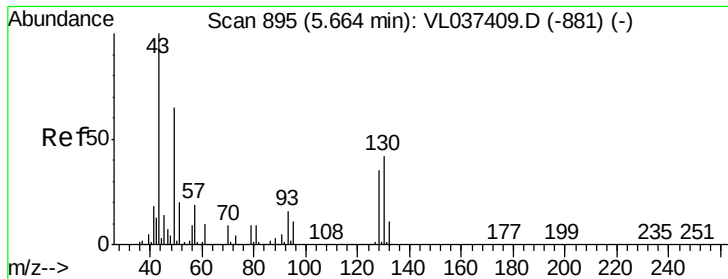
Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.1

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Quant Time: Aug 12 14:39:58 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug
QLast Update : Thu Aug 12 11:34:23 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1189948

Ion Ratio Lower Upper

49 100

128 62.1 27.9 83.6

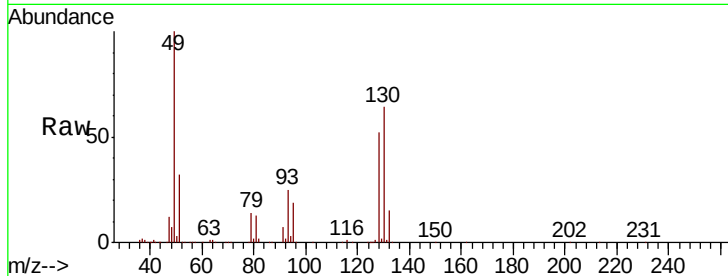
130 78.2 34.6 103.8

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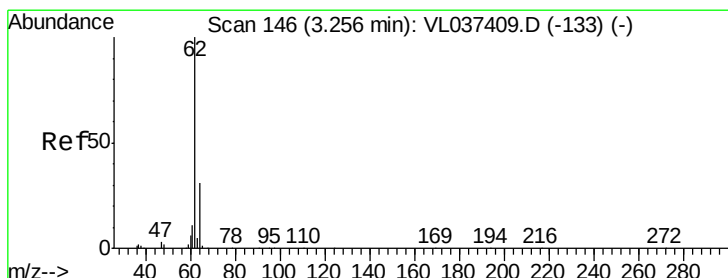
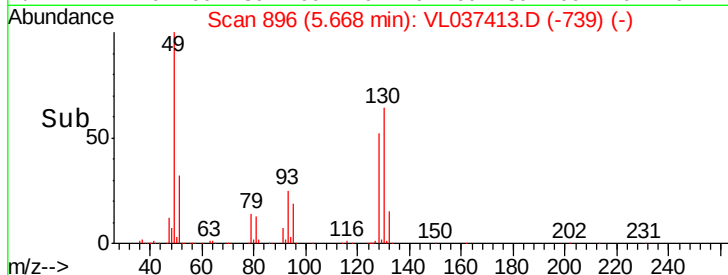
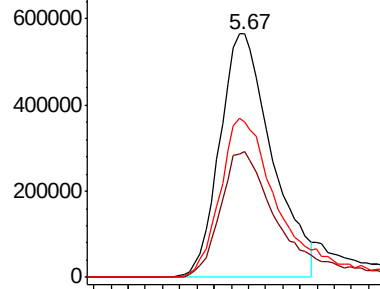
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.112 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037413.D

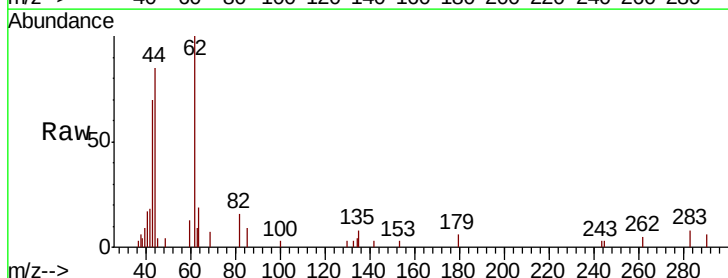
Acq: 12 Aug 2021 13:32

Tgt Ion: 62 Resp: 9355

Ion Ratio Lower Upper

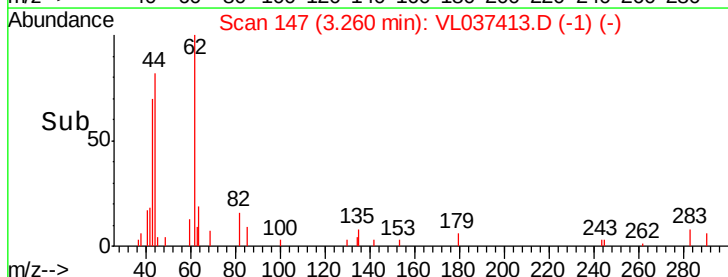
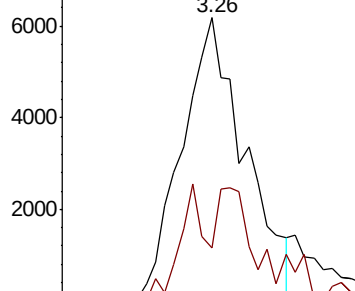
62 100

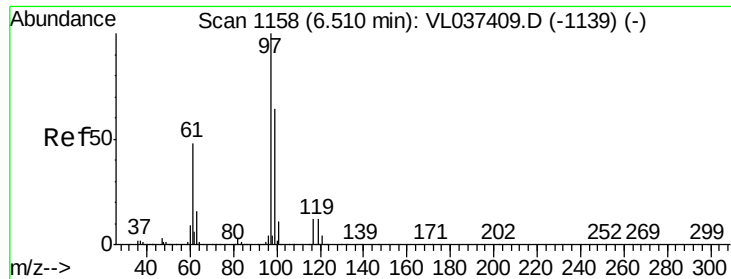
64 18.8 25.0 37.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.116 ppbv m

RT: 6.51 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

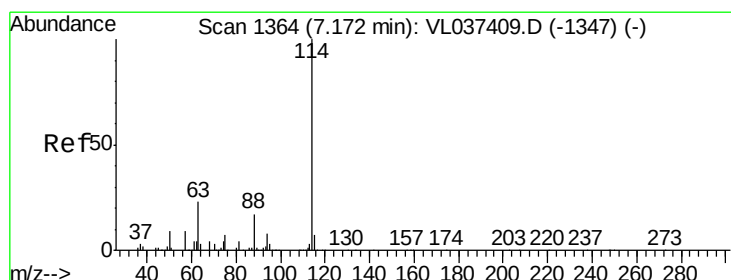
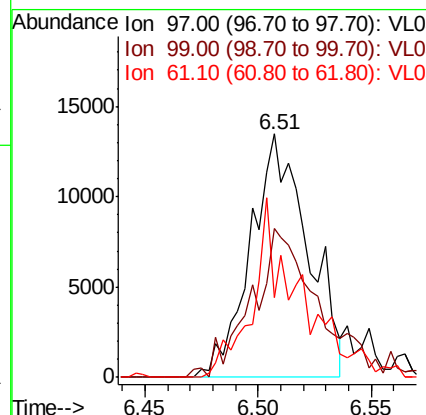
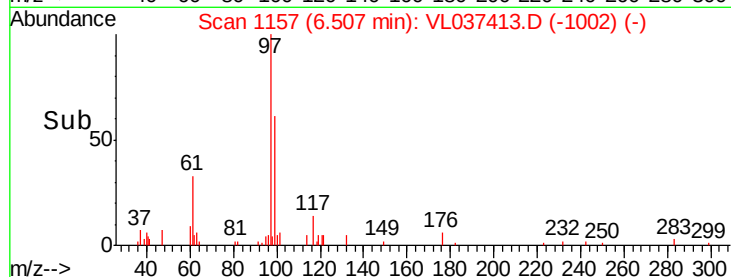
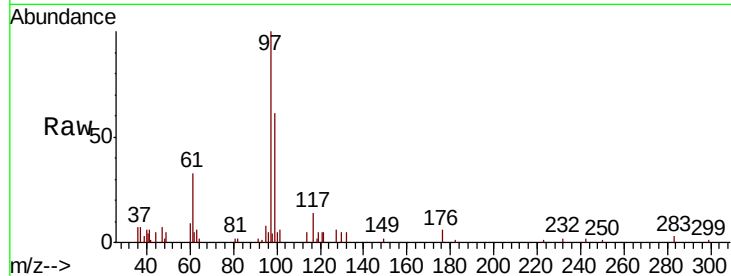
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	23768
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.3	78.5#
61	0.0	40.1	60.1#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

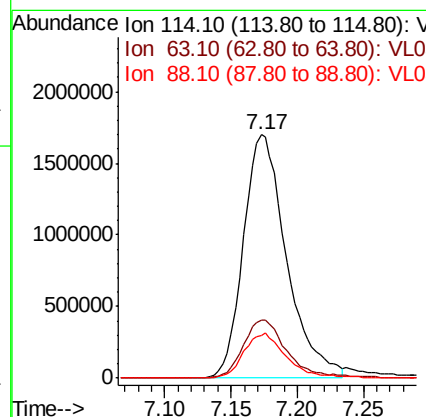
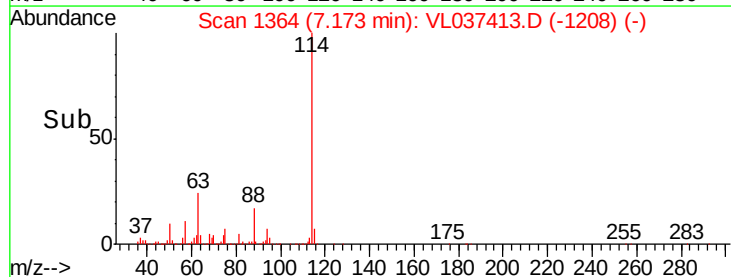
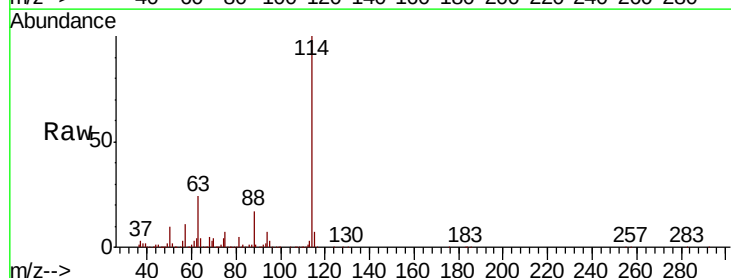
RT: 7.17 min Scan# 1364

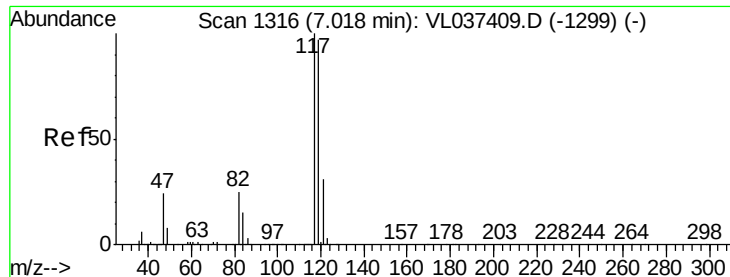
Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Tgt Ion:	114	Resp:	3846649
Ion Ratio	Lower	Upper	
114	100		
63	24.6	19.4	29.2
88	18.5	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.109 ppbv m

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

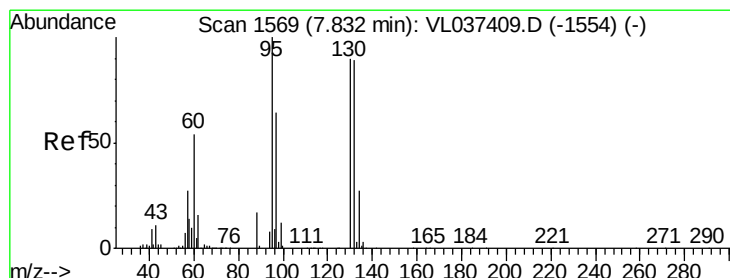
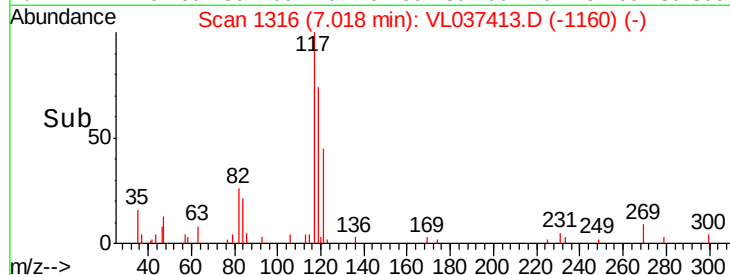
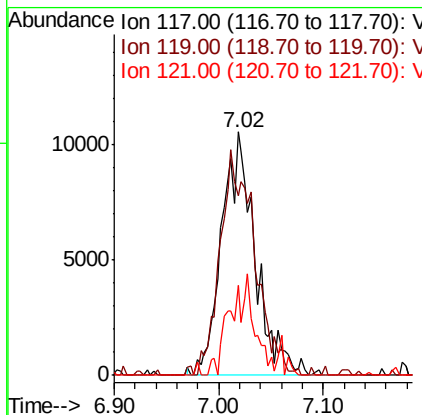
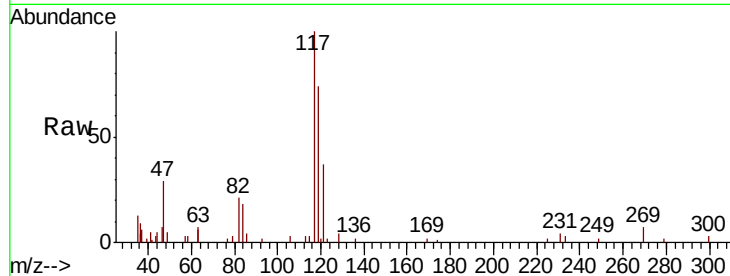
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	23436
Ion Ratio	Lower	Upper	
117	100		
119	73.6	77.5	116.3#
121	37.0	24.7	37.1

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#38

Trichloroethene

Concen: 0.124 ppbv m

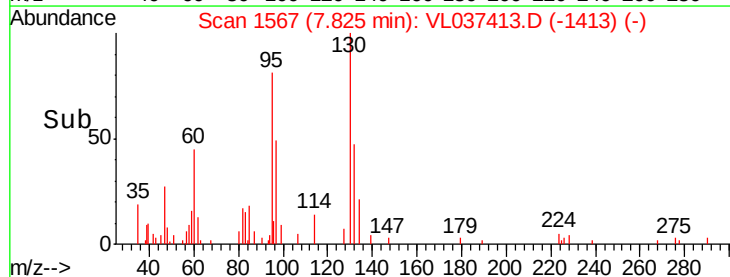
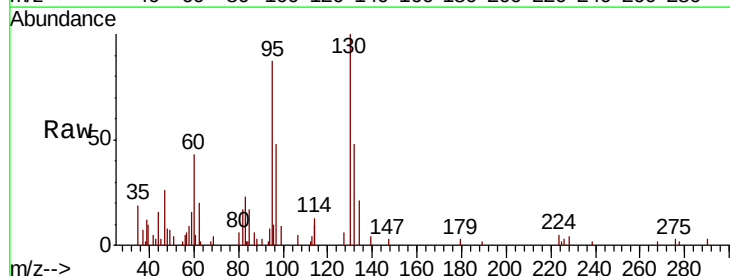
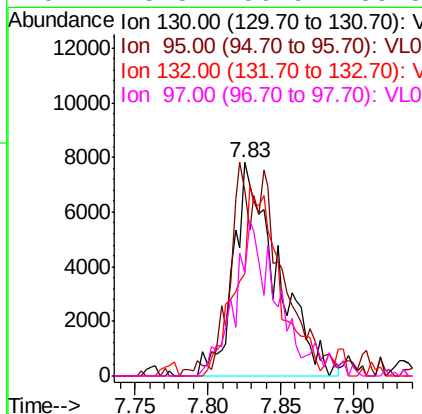
RT: 7.83 min Scan# 1567

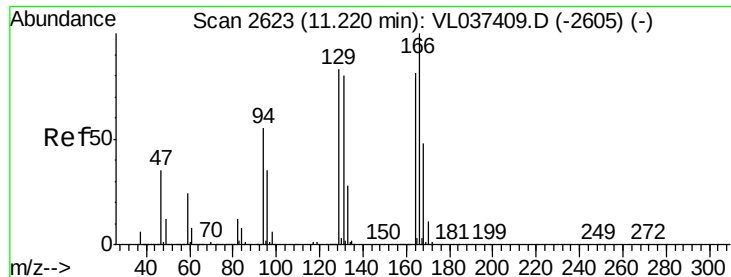
Delta R.T. -0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Tgt Ion:	130	Resp:	16147
Ion Ratio	Lower	Upper	
130	100		
95	86.9	88.6	132.8#
132	48.2	79.2	118.8#
97	48.3	56.9	85.3#





#52

Tetrachloroethene

Concen: 0.129 ppbv m

RT: 11.22 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 16003

Ion Ratio Lower Upper

164 100

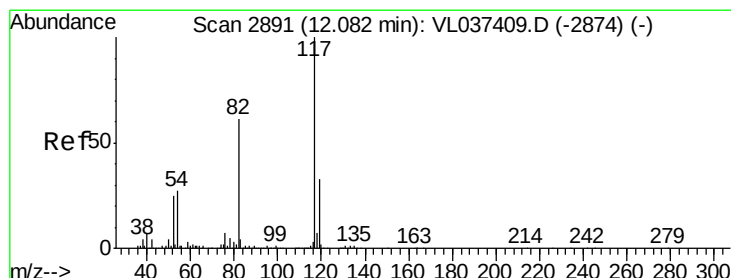
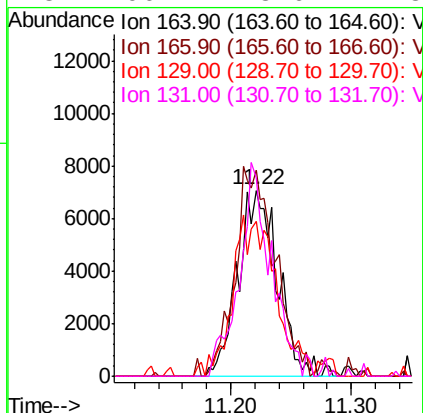
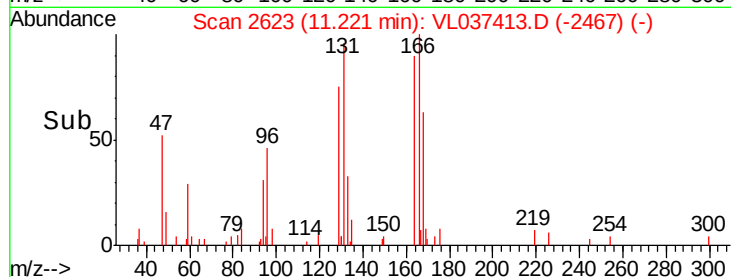
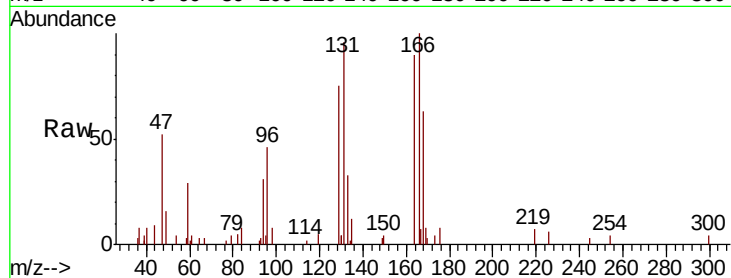
166 111.0 98.6 147.8

129 83.5 82.0 123.0

131 106.4 78.6 117.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

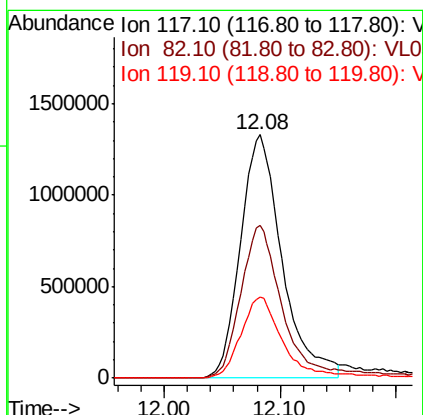
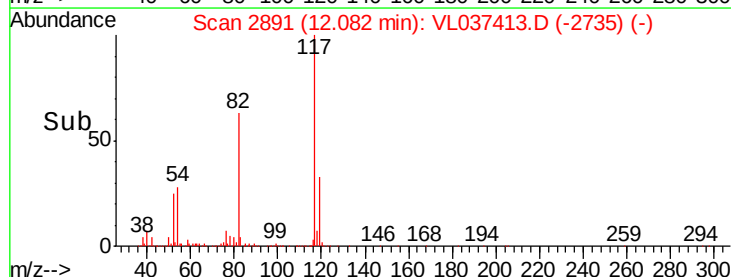
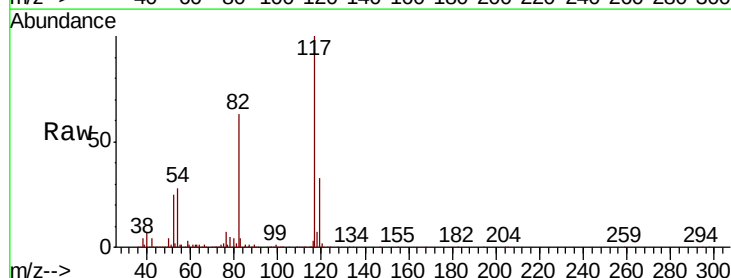
Tgt Ion:117 Resp: 3321246

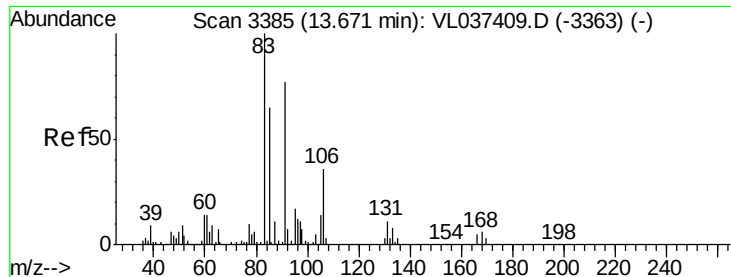
Ion Ratio Lower Upper

117 100

82 66.9 53.1 79.7

119 35.5 28.0 42.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.116 ppbv m

RT: 13.69 min Scan# 3390

Delta R.T. 0.02 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 83 Resp: 31082

Ion Ratio Lower Upper

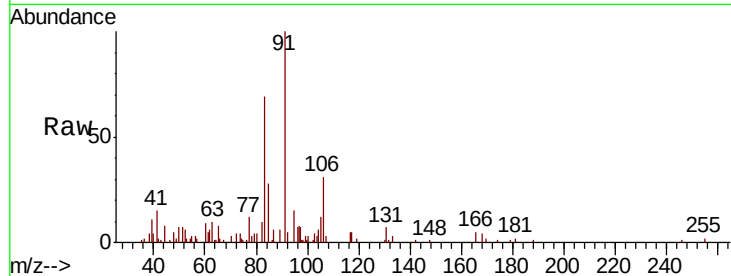
83 100

131 0.0 5.1 15.4#

85 0.0 33.4 100.2#

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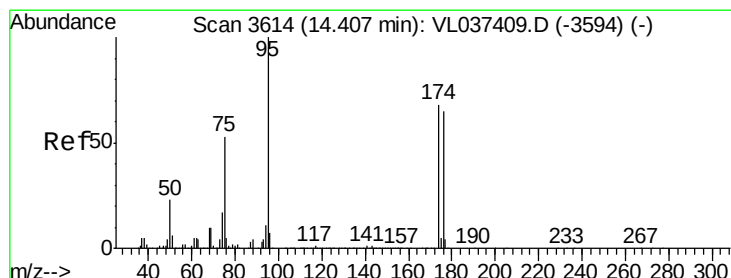
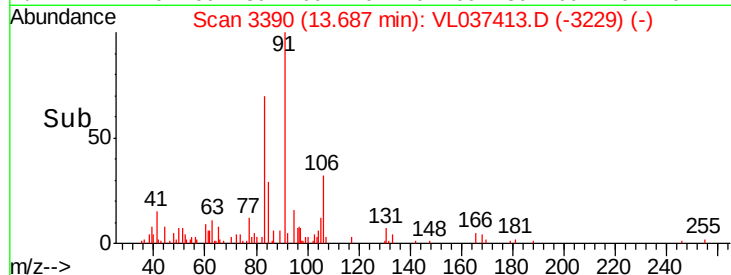
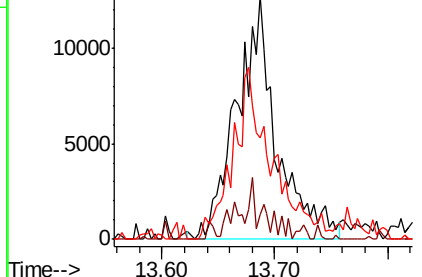
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.050 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

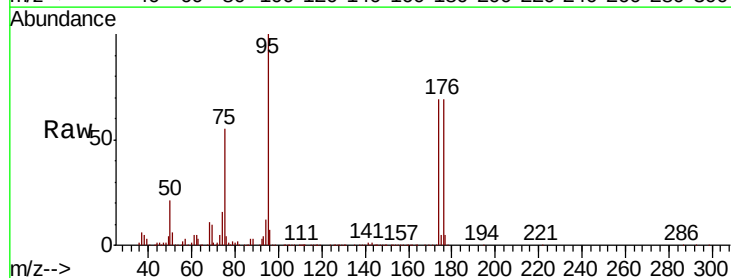
Tgt Ion: 95 Resp: 2489252

Ion Ratio Lower Upper

95 100

174 74.1 59.6 89.4

175 5.2 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

