

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037414.D
 Acq On : 12 Aug 2021 14:09
 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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 8/13/2021 11:06:56 AM

Quant Time: Aug 13 01:36:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 13 01:36:43 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	1260037	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3845085	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3234303	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2276205	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	4419m	0.050	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	8609m	0.040	ppbv	
35) Carbon Tetrachloride	7.01	117	8696m	0.041	ppbv	
38) Trichloroethene	7.83	130	5784m	0.045	ppbv	
52) Tetrachloroethene	11.23	164	5292m	0.043	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	8832m	0.034	ppbv	

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

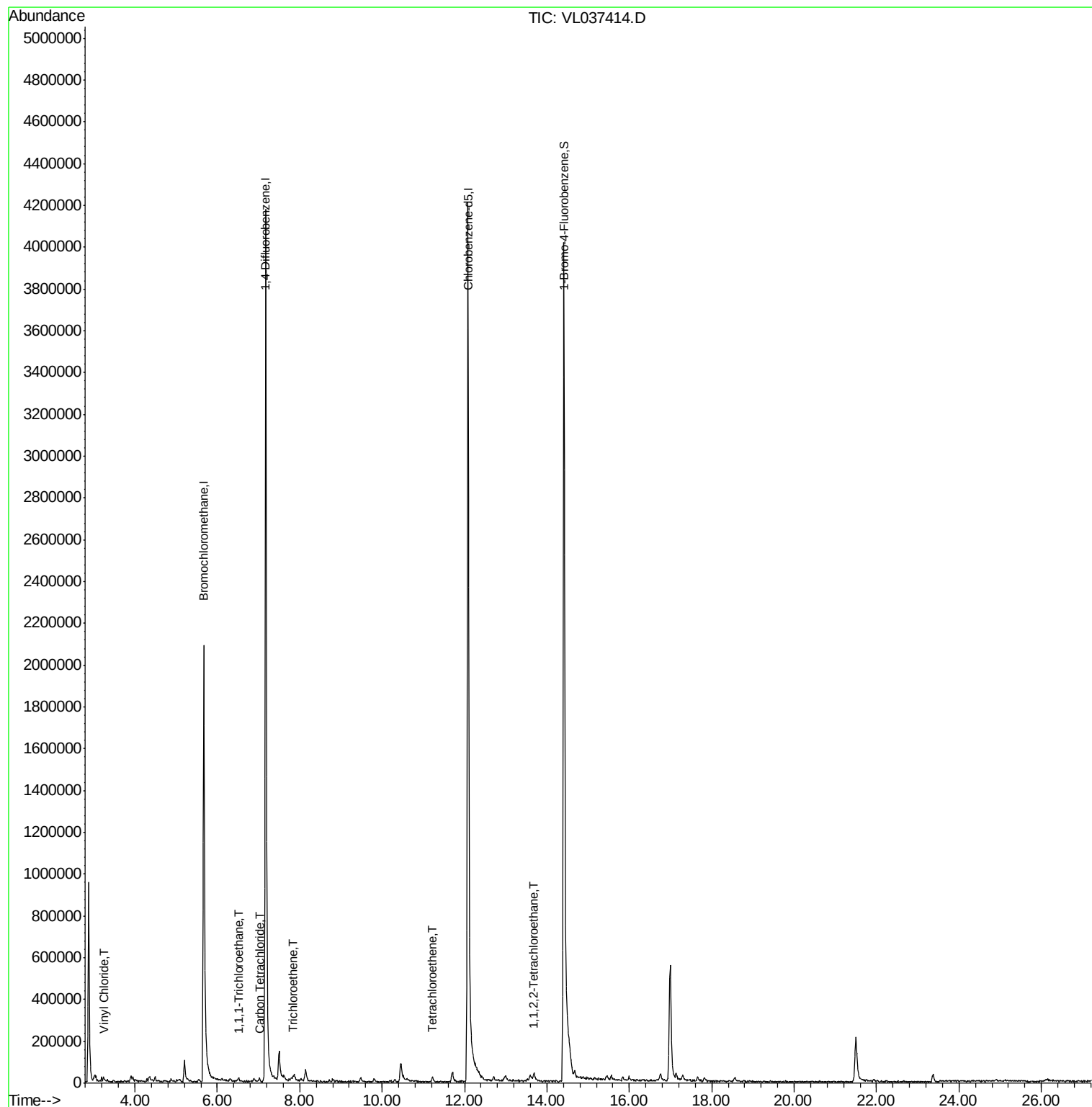
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081221\
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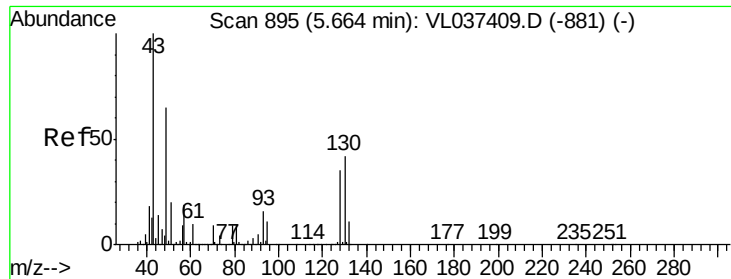
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Time: Aug 13 01:36:43 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: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1260037

Ion Ratio Lower Upper

49 100

128 56.5 27.9 83.6

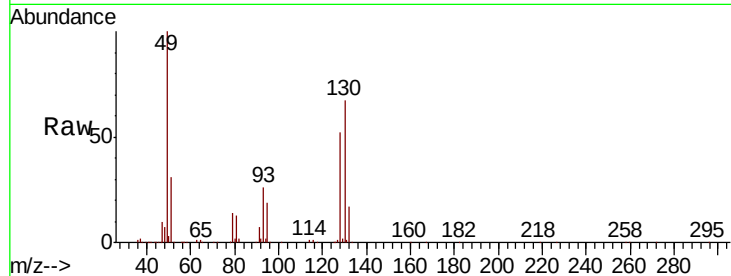
130 71.4 34.6 103.8

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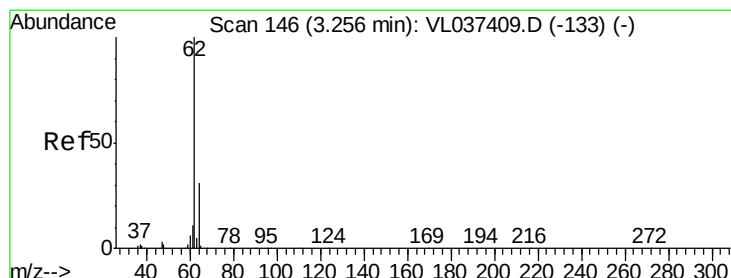
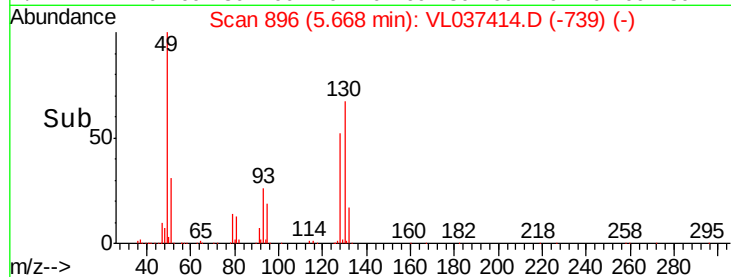
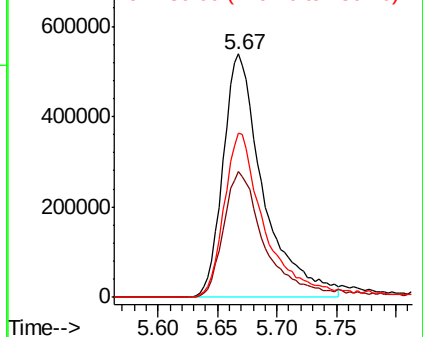
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.050 ppbv m

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037414.D

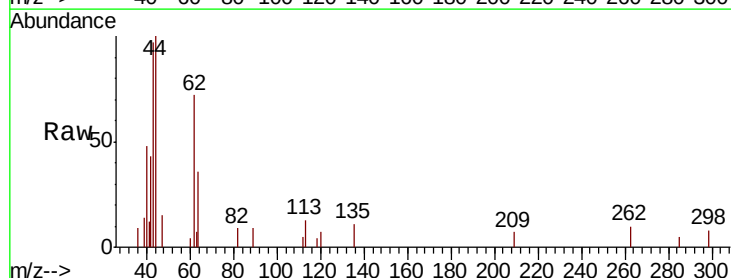
Acq: 12 Aug 2021 14:09

Tgt Ion: 62 Resp: 4419

Ion Ratio Lower Upper

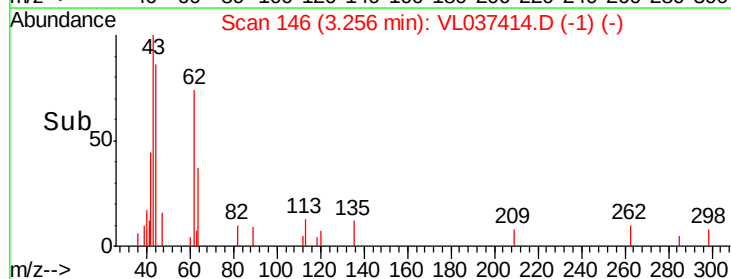
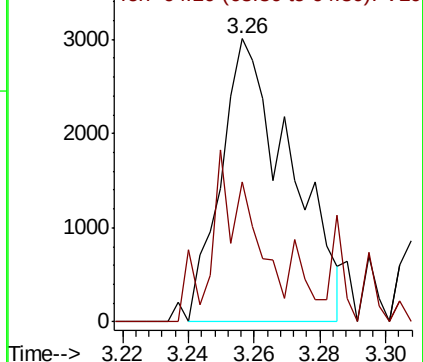
62 100

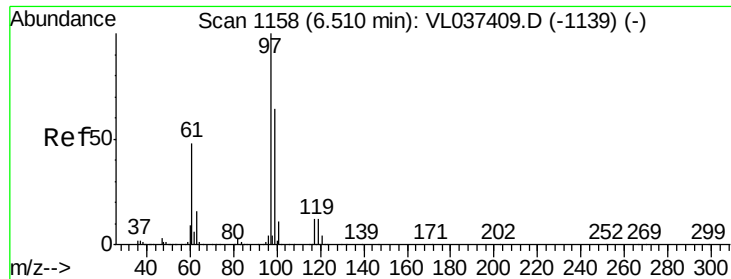
64 49.5 25.0 37.6#



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: 0.040 ppbv m

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

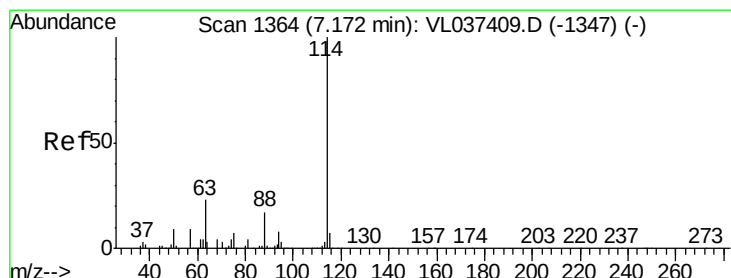
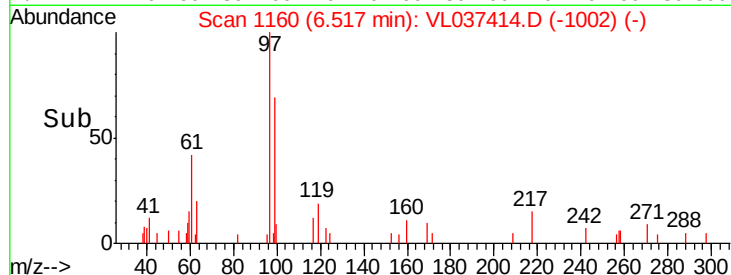
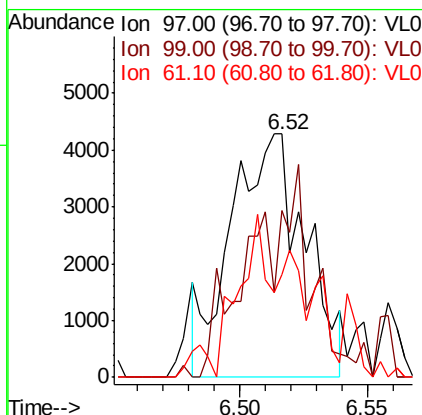
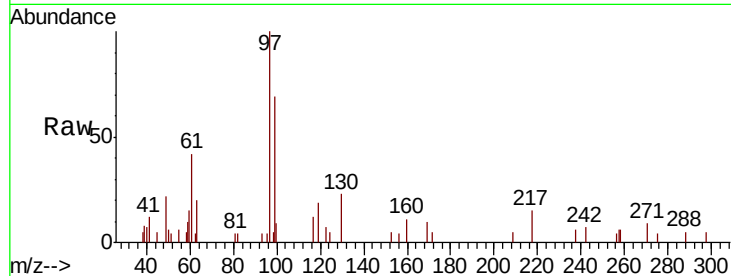
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	8609
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

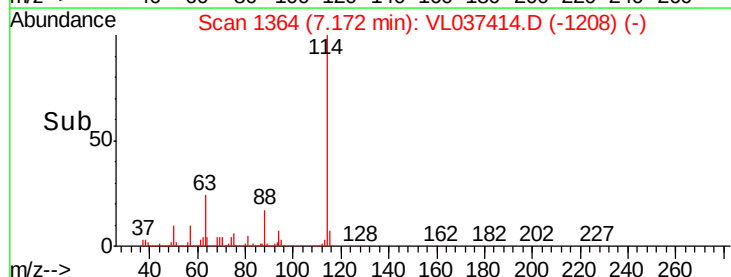
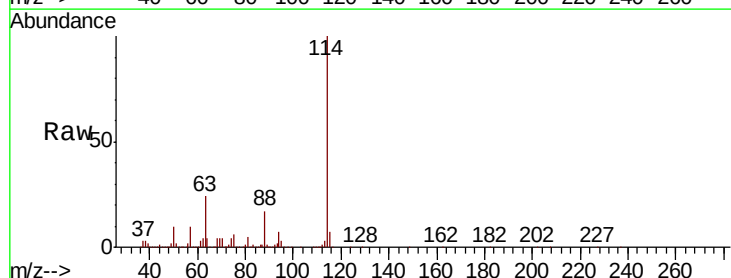
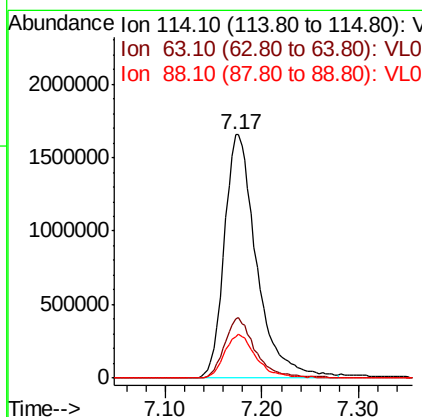
RT: 7.17 min Scan# 1364

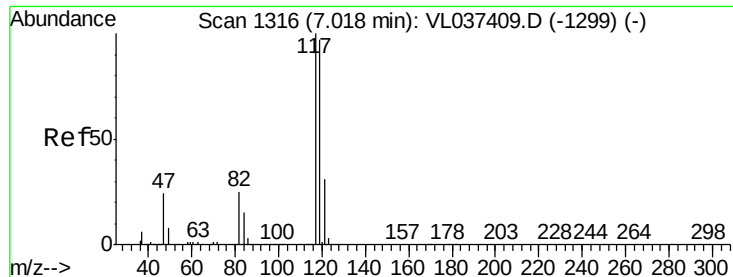
Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Tgt Ion:	114	Resp:	3845085
Ion Ratio	Lower	Upper	
114	100		
63	24.1	19.4	29.2
88	18.2	14.2	21.4





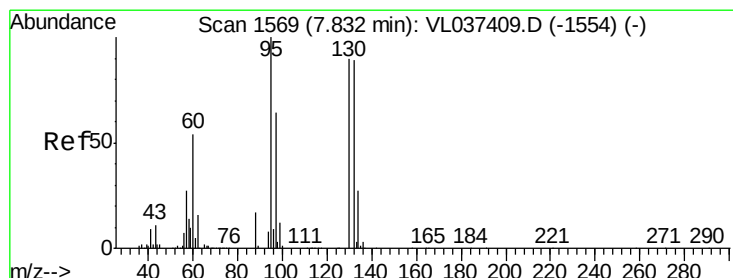
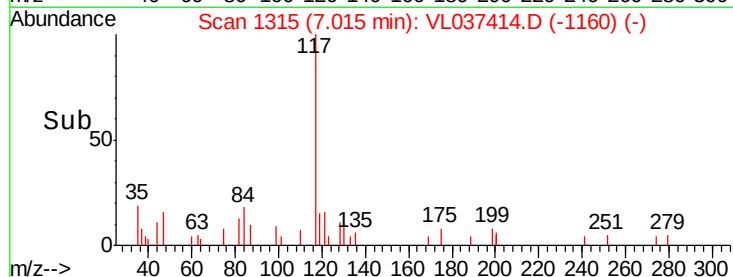
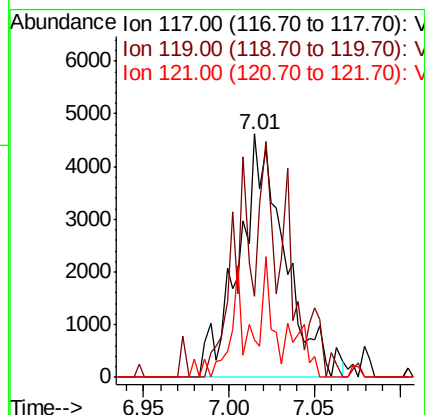
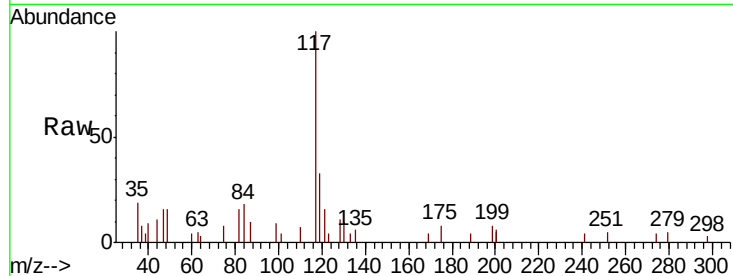
#35
Carbon Tetrachloride
Concen: 0.041 ppbv m
RT: 7.01 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	33.4	77.5	116.3#
121	15.6	24.7	37.1#

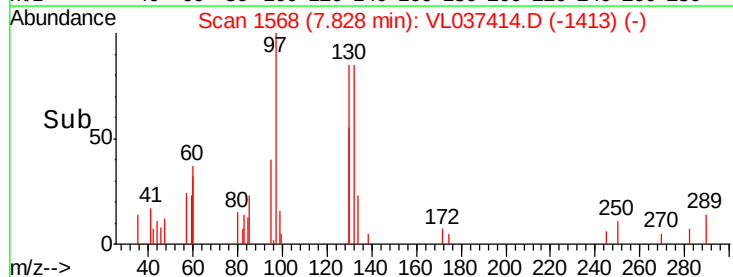
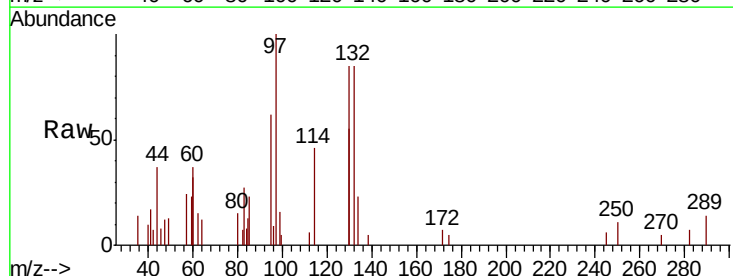
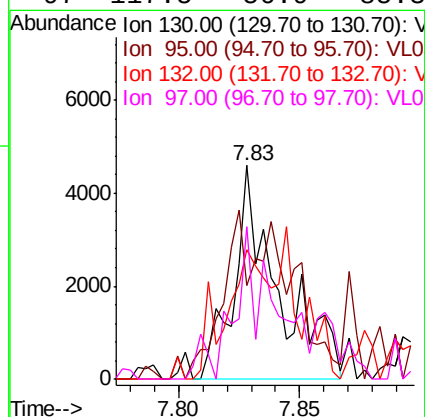
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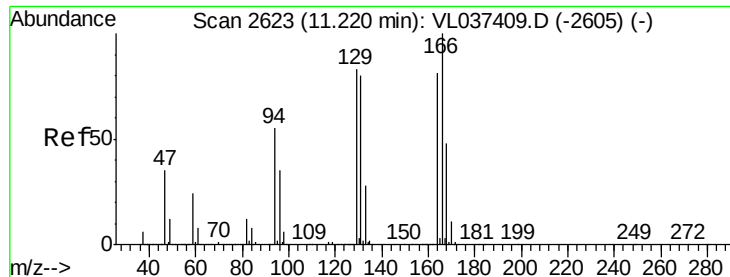
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#38
Trichloroethene
Concen: 0.045 ppbv m
RT: 7.83 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	72.5	88.6	132.8#
132	99.6	79.2	118.8
97	117.5	56.9	85.3#





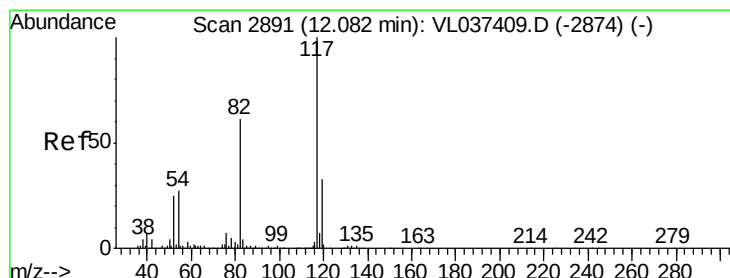
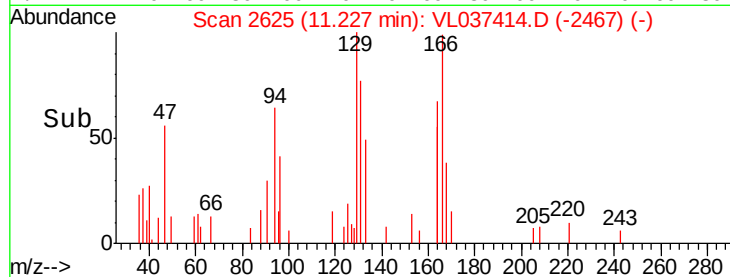
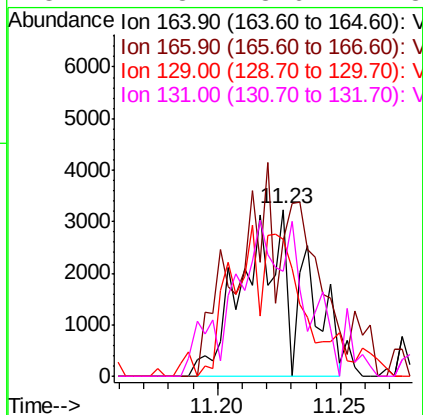
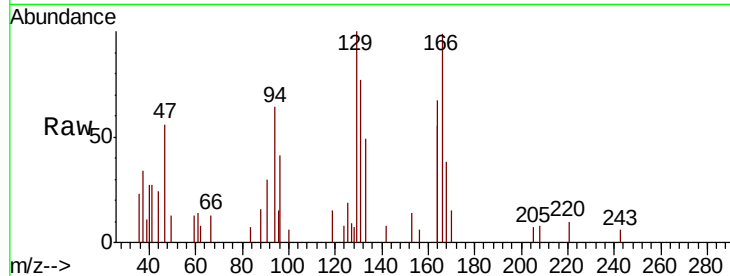
#52
Tetrachloroethene
Concen: 0.043 ppbv m
RT: 11.23 min Scan# 2625
Delta R.T. 0.01 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	147.6	98.6	147.8
129	149.0	82.0	123.0
131	114.8	78.6	117.8

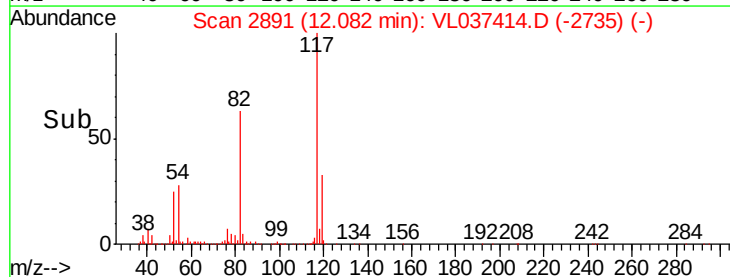
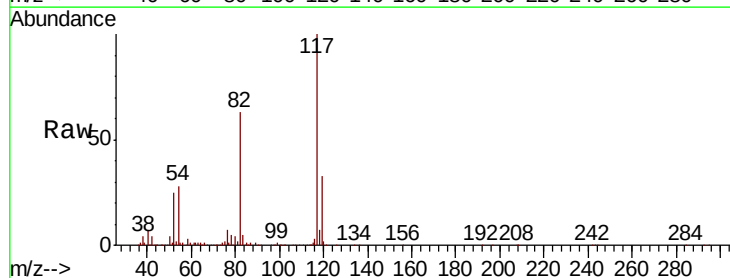
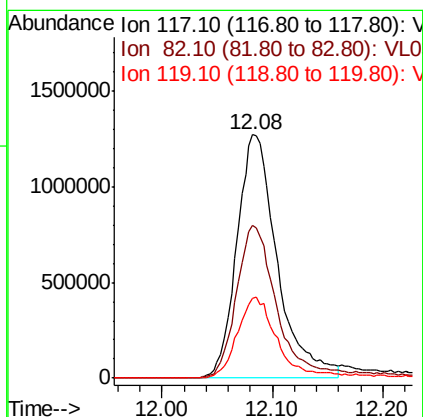
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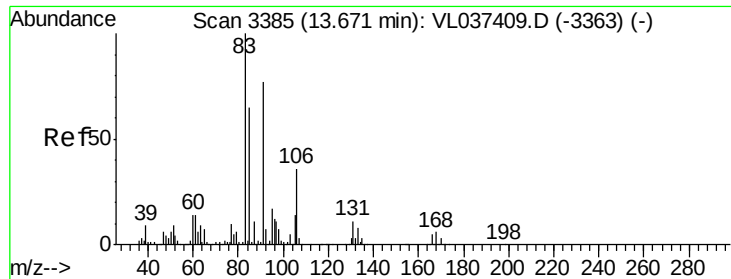
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.9	53.1	79.7
119	35.0	28.0	42.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.034 ppbv m

RT: 13.67 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

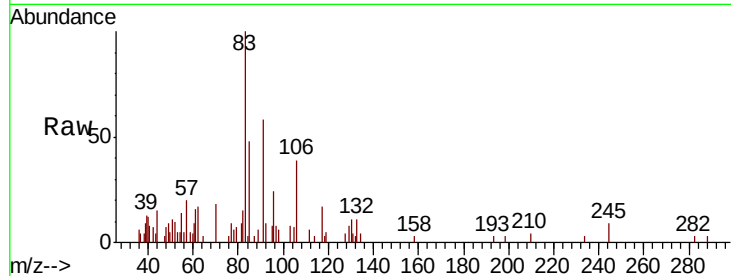
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VSTDIC0.03

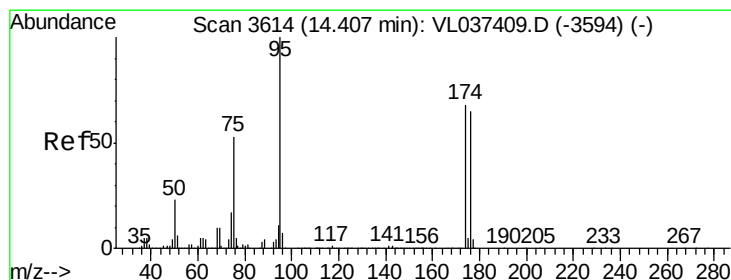
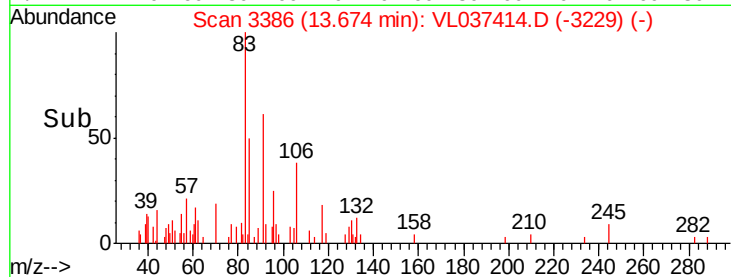
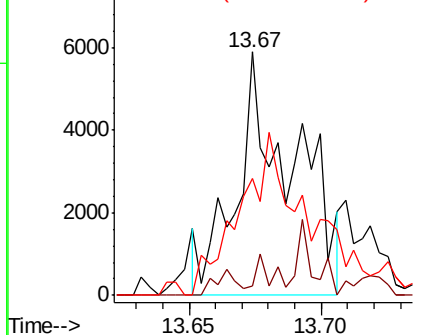
Tot Ion:	83	Resp:	8832
Ion Ratio	Lower	Upper	
83	100		
131	0.0	5.1	15.4#
85	0.0	33.4	100.2#

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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: 9.437 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Tgt Ion:	95	Resp:	2276205
Ion Ratio	Lower	Upper	
95	100		
174	78.6	59.6	89.4
175	6.2	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

