

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037317.D
 Acq On : 4 Aug 2021 20:00
 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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 8/5/2021 1:40:01 PM

Quant Time: Aug 04 22:43:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 2021
 QLast Update : Wed Aug 04 22:14:21 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1217959	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3929222	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3258225	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2359603	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	8514	0.088	ppbv	# 84
32) 1,1,1-Trichloroethane	6.50	97	21175	0.096	ppbv	88
35) Carbon Tetrachloride	7.02	117	21981m	0.091	ppbv	
38) Trichloroethene	7.82	130	16524m	0.108	ppbv	
52) Tetrachloroethene	11.21	164	15581m	0.121	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	28025m	0.127	ppbv	

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

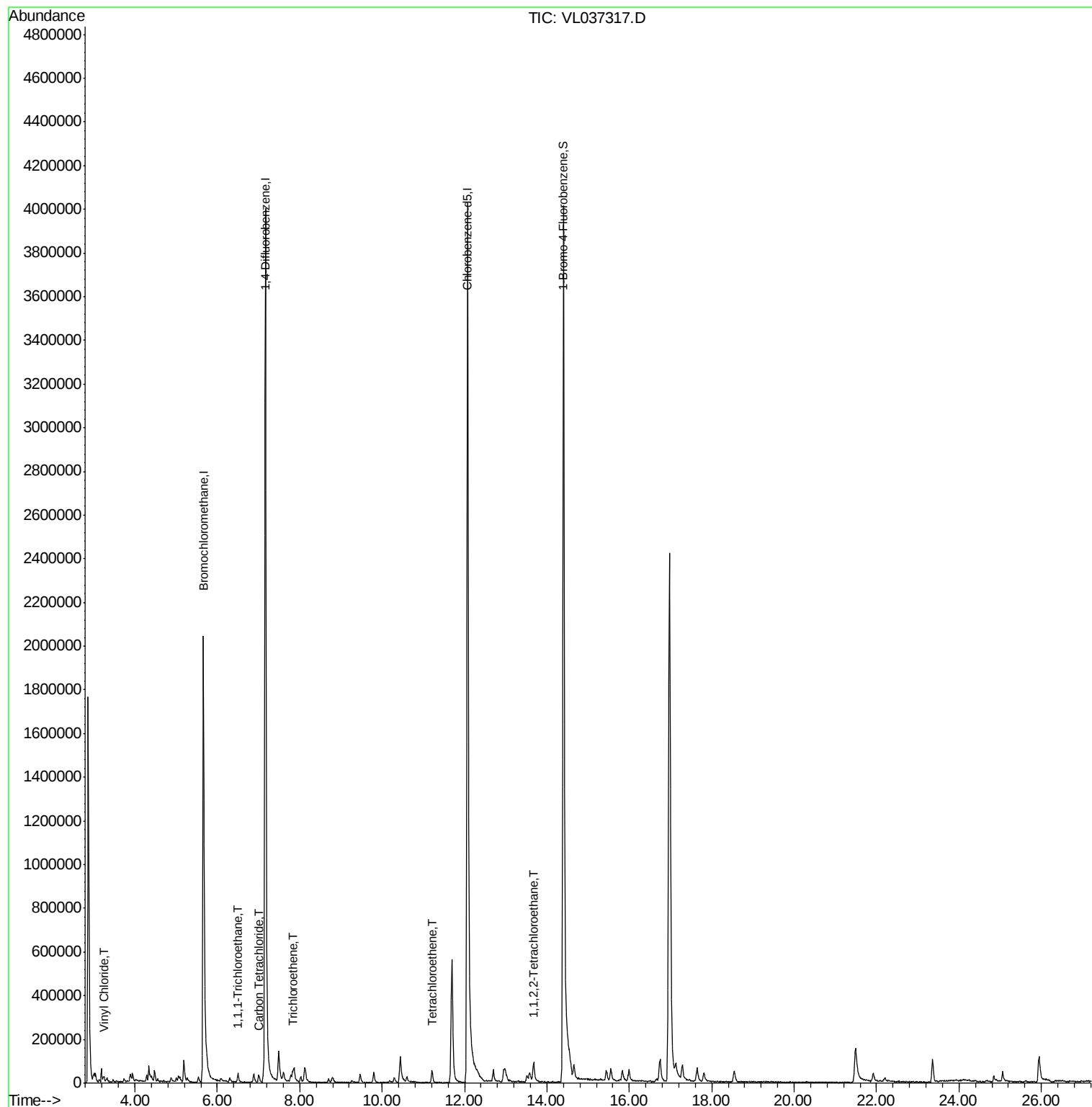
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080421\
Data File : VL037317.D
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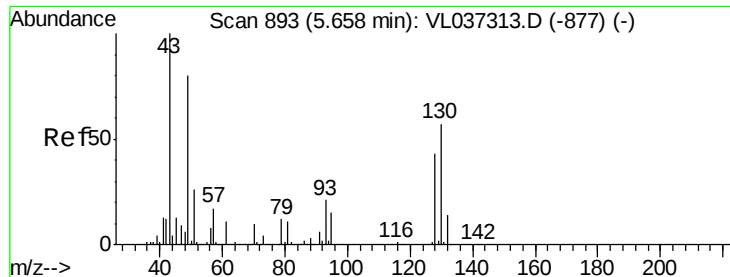
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

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Quant Time: Aug 04 22:43:11 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 04 22:14:21 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL037317.D

Acq: 4 Aug 2021 20:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1217959

Ion Ratio Lower Upper

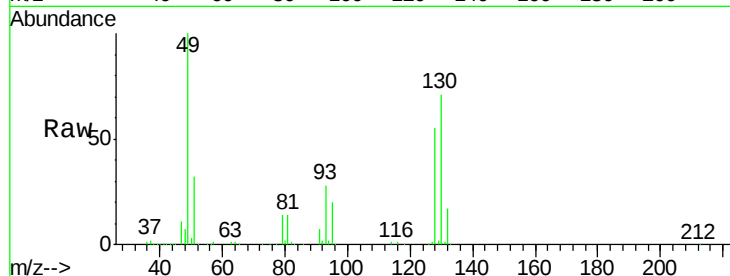
49 100

128 59.5 29.8 89.5

130 78.4 37.5 112.7

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

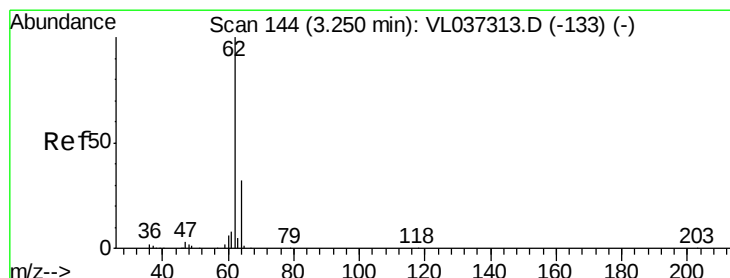
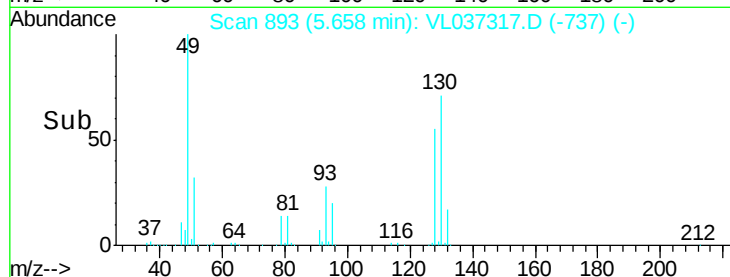
600000

400000

200000

0

Time-->



#5

Vinyl Chloride

Concen: 0.088 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037317.D

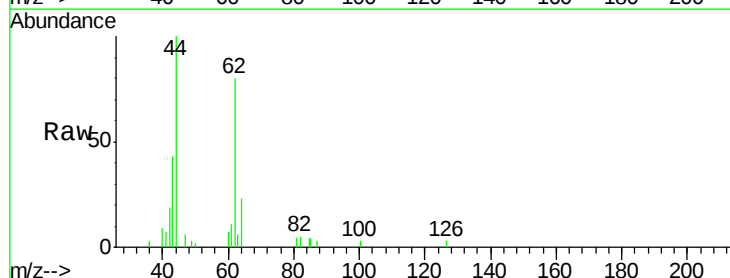
Acq: 4 Aug 2021 20:00

Tgt Ion: 62 Resp: 8514

Ion Ratio Lower Upper

62 100

64 23.2 25.7 38.5#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

8000

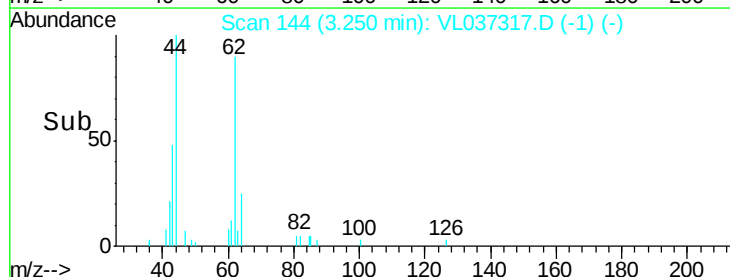
6000

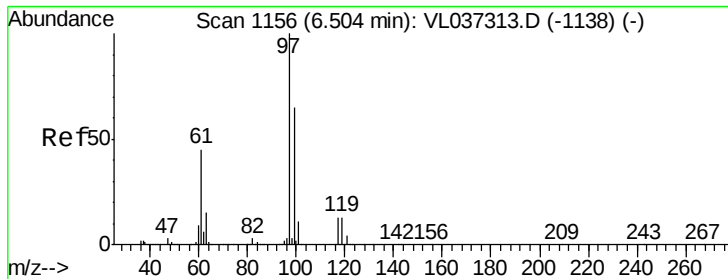
4000

2000

0

Time-->





#32

1,1,1-Trichloroethane

Concen: 0.096 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VL037317.D

Acq: 4 Aug 2021 20:00

Instrument :

MSVOA_L

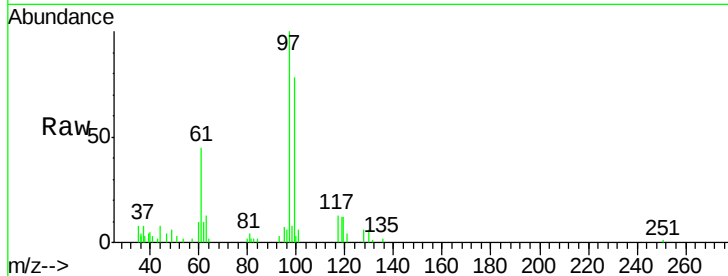
ClientSampleId :

VSTDIC0.1

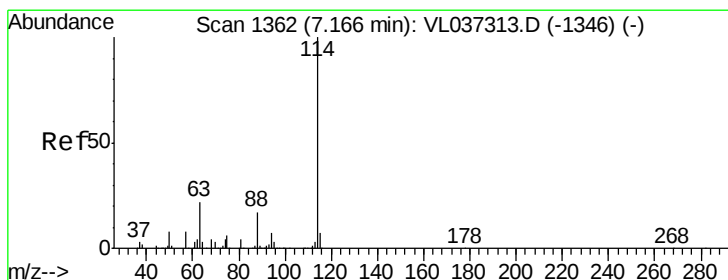
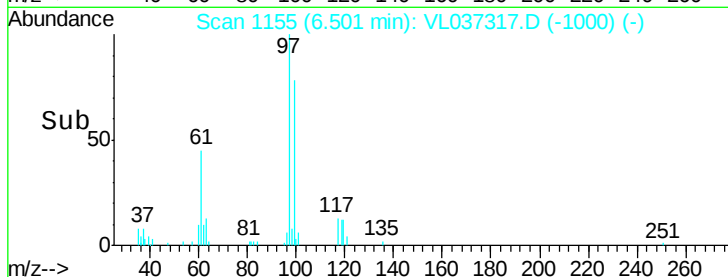
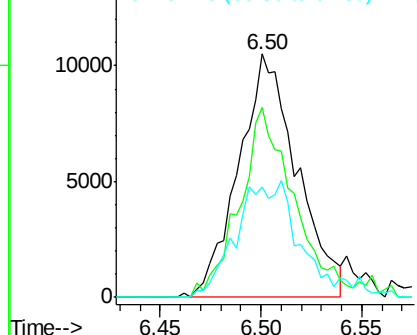
Tot Ion:	97	Resp:	21175
Ion Ratio	Lower	Upper	
97	100		
99	75.7	52.3	78.5
61	53.8	37.2	55.8

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

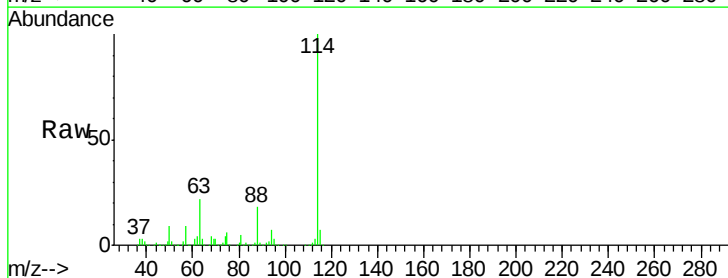
RT: 7.17 min Scan# 1362

Delta R.T. 0.00 min

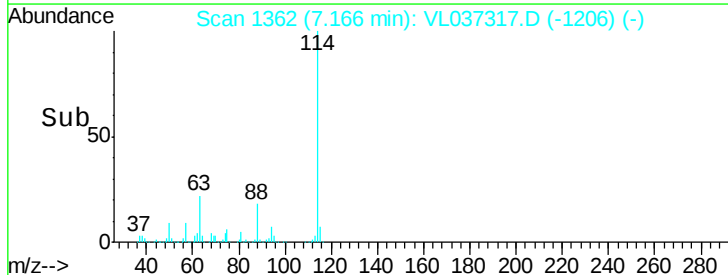
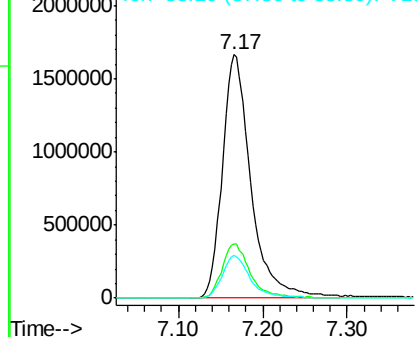
Lab File: VL037317.D

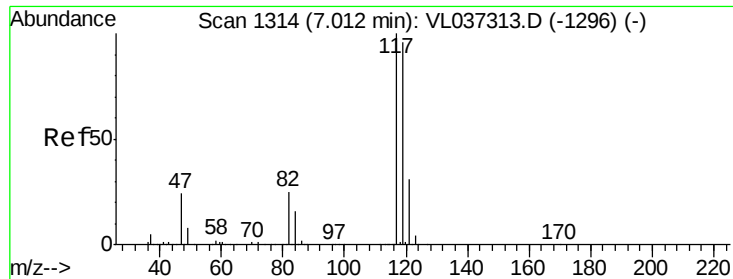
Acq: 4 Aug 2021 20:00

Tgt Ion:	114	Resp:	3929222
Ion Ratio	Lower	Upper	
114	100		
63	22.6	18.1	27.1
88	17.3	13.8	20.8



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





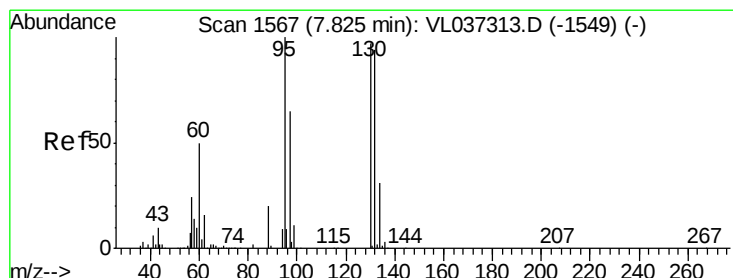
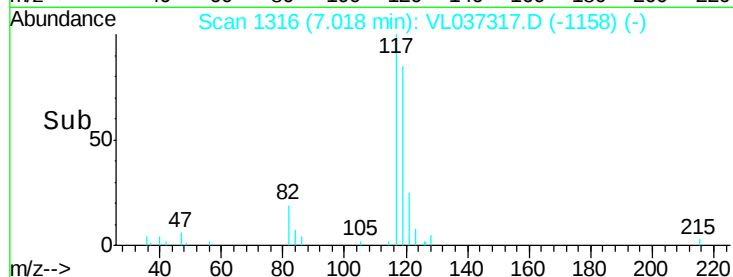
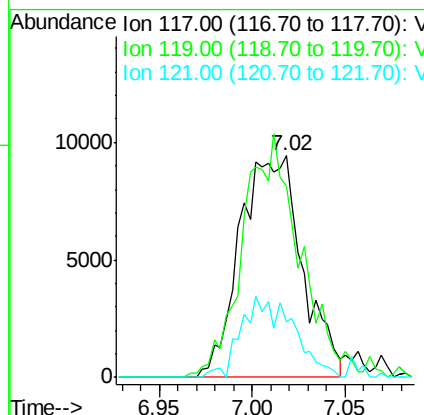
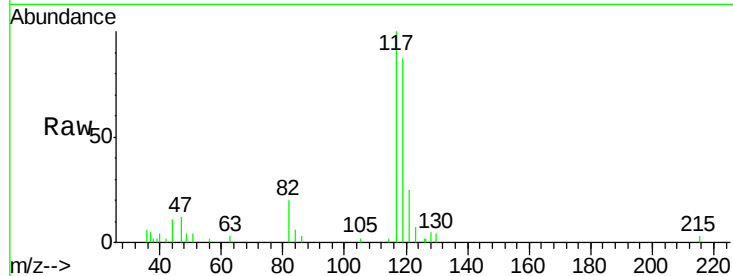
#35
Carbon Tetrachloride
Concen: 0.091 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VL037317.D
Acq: 4 Aug 2021 20:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
117	100		
119	86.5	76.6	114.8
121	25.2	24.9	37.3

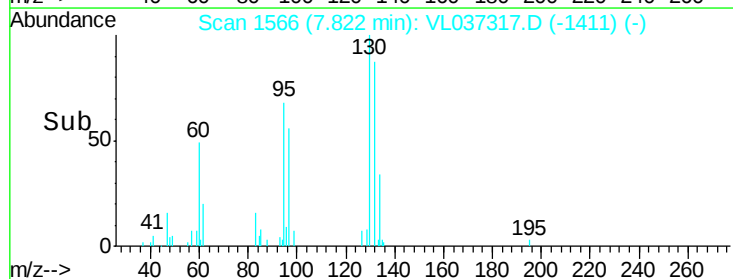
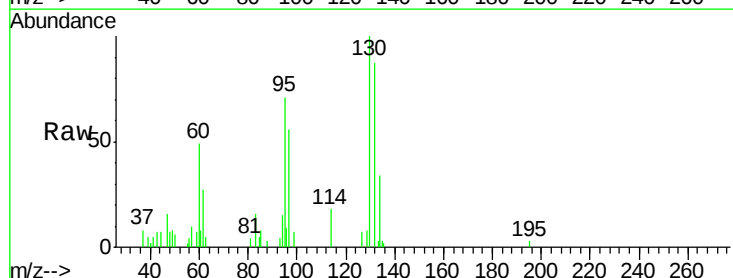
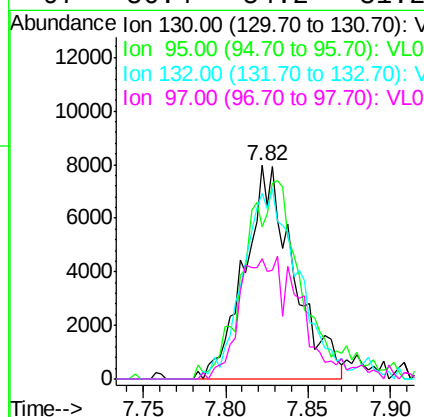
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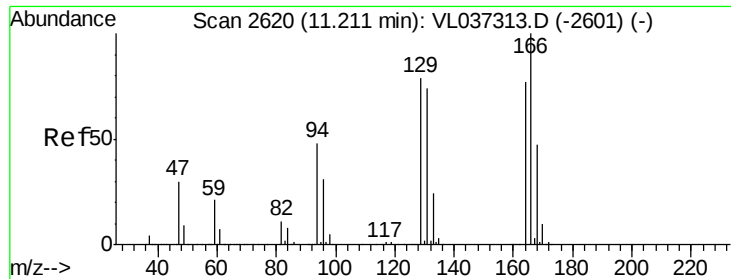
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#38
Trichloroethene
Concen: 0.108 ppbv m
RT: 7.82 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VL037317.D
Acq: 4 Aug 2021 20:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	71.4	82.8	124.2#
132	86.8	78.2	117.4
97	56.4	54.2	81.2





#52

Tetrachloroethene

Concen: 0.121 ppbv m

RT: 11.21 min Scan# 2621

Delta R.T. 0.00 min

Lab File: VL037317.D

Acq: 4 Aug 2021 20:00

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.1

Tot Ion:164 Resp: 15581

Ion Ratio Lower Upper

164 100

166 127.3 103.4 155.2

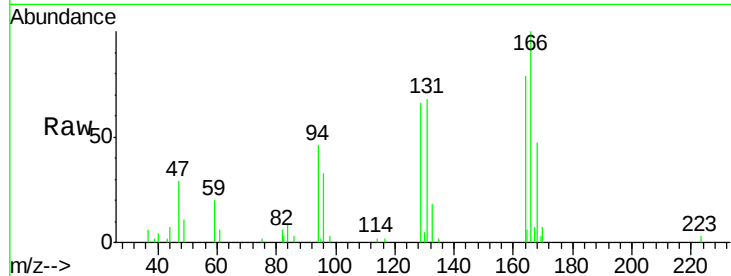
129 83.7 82.2 123.2

131 86.3 76.6 114.8

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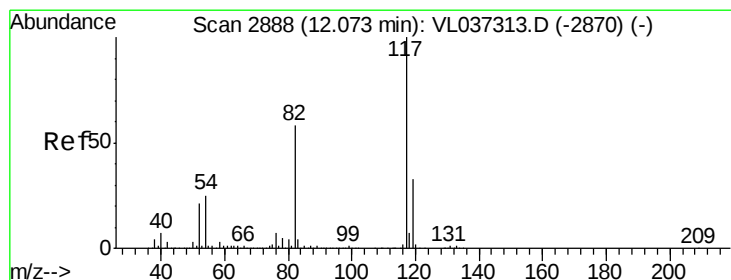
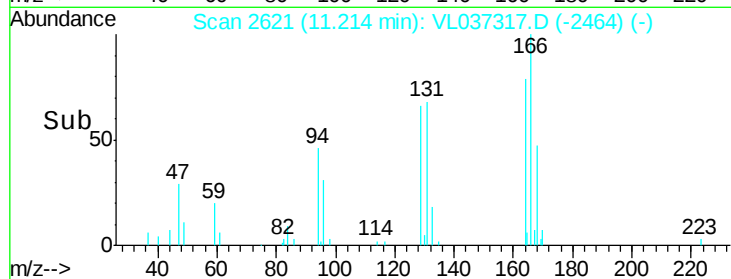
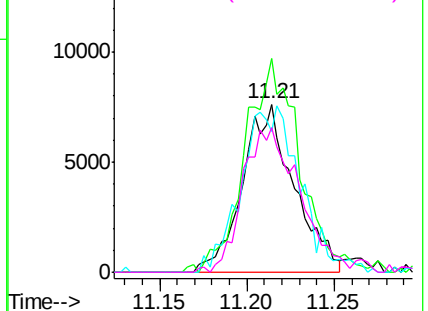


Abundance Ion 163.90 (163.60 to 164.60): V

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# 2888

Delta R.T. 0.00 min

Lab File: VL037317.D

Acq: 4 Aug 2021 20:00

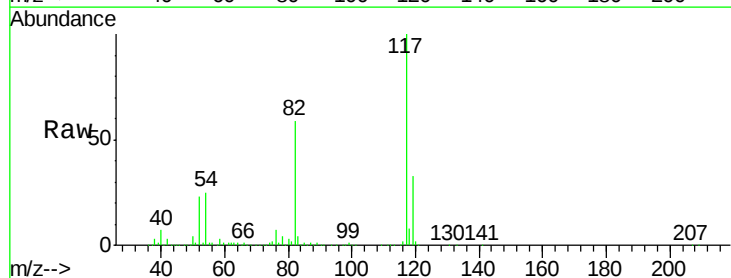
Tgt Ion:117 Resp: 3258225

Ion Ratio Lower Upper

117 100

82 64.8 50.3 75.5

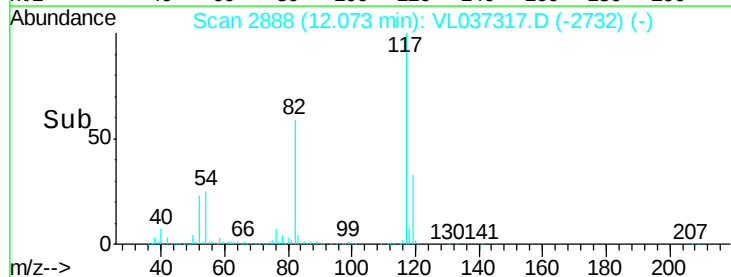
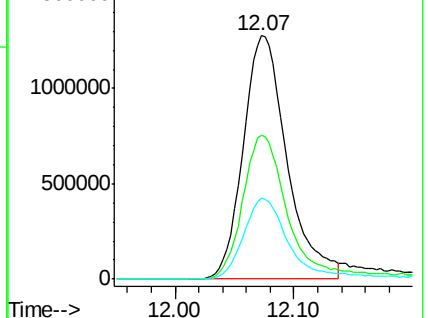
119 37.0 48.2 72.2#

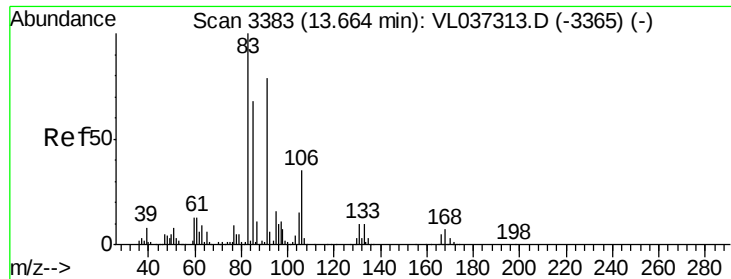


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





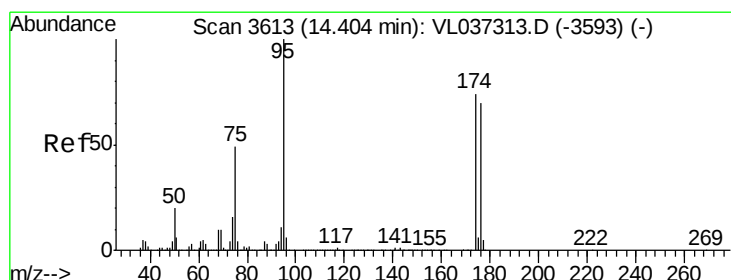
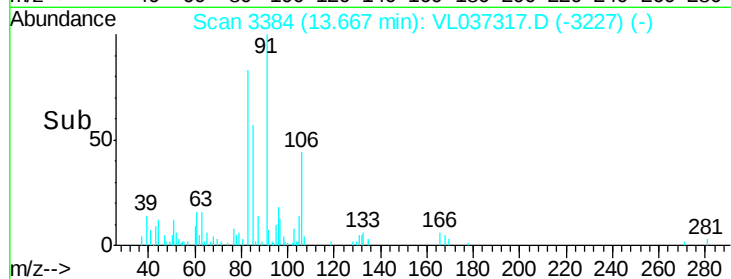
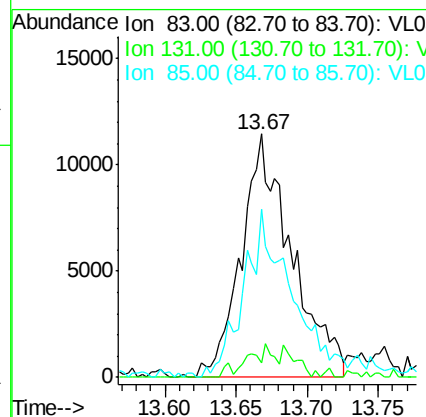
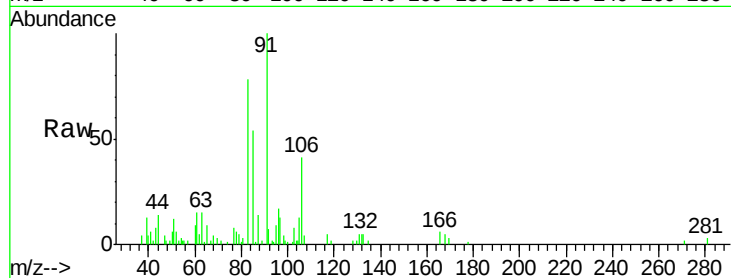
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.127 ppbv m
 RT: 13.67 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VL037317.D
 Acq: 4 Aug 2021 20:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	83	Resp	28025
Ion Ratio	100	Lower	Upper
83	100		
131	11.6	5.1	15.4
85	73.1	33.5	100.4

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.380 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.00 min
 Lab File: VL037317.D
 Acq: 4 Aug 2021 20:00

Tgt Ion	95	Resp	2359603
Ion Ratio	100	Lower	Upper
95	100		
174	80.2	66.9	100.3
175	5.7	5.1	7.7

