

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035425.D
 Acq On : 17 Aug 2020 17:23
 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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 8/20/2020 11:05:46 AM

Quant Time: Aug 17 19:24:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 09:05:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1113287	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4904193	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4879738	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3486524	8.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	2363m	0.031	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	6305m	0.032	ppbv	
35) Carbon Tetrachloride	7.03	117	5419m	0.015	ppbv	
38) Trichloroethene	7.85	130	5802m	0.030	ppbv	
52) Tetrachloroethene	11.25	164	6308m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	9808m	0.019	ppbv	

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

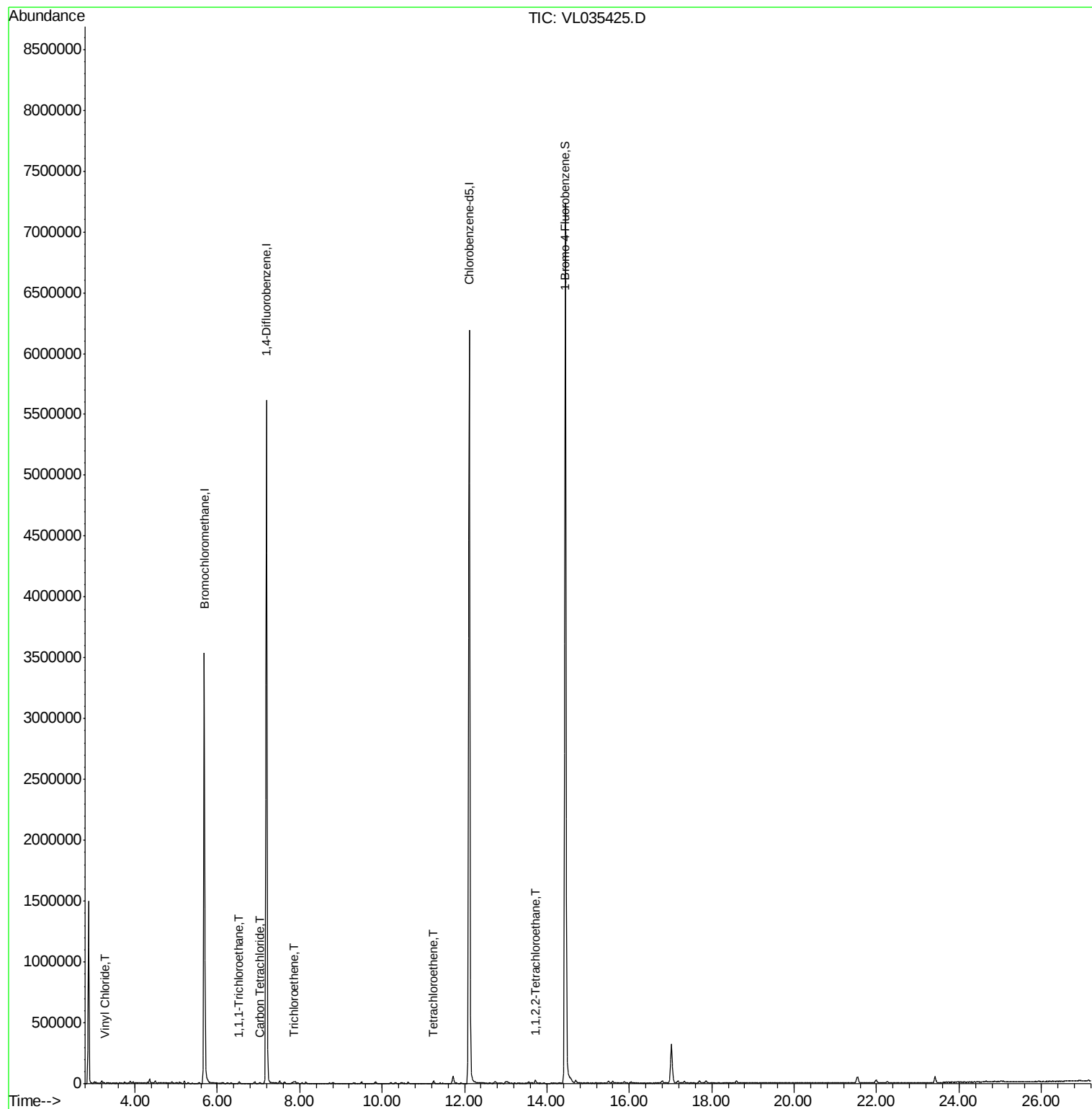
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081720\
Data File : VL035425.D
Acq On : 17 Aug 2020 17:23
Operator : SY/AP
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Quant Time: Aug 17 19:24:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 17 09:05:17 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035425.D

Acq: 17 Aug 2020 17:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1113287

Ion Ratio Lower Upper

49 100

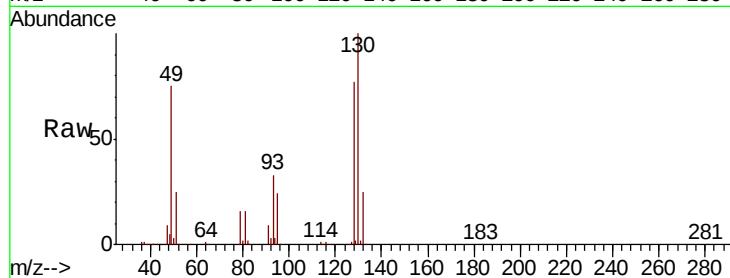
128 102.7 20.9 62.7#

130 132.7 26.7 80.1#

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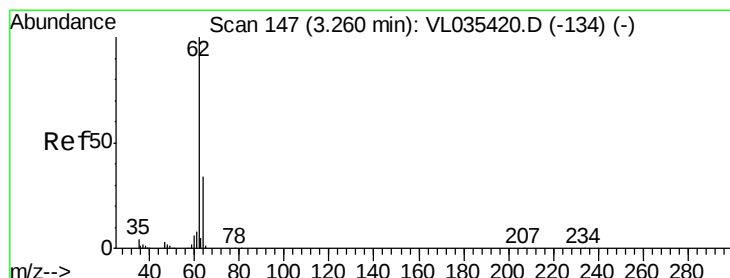
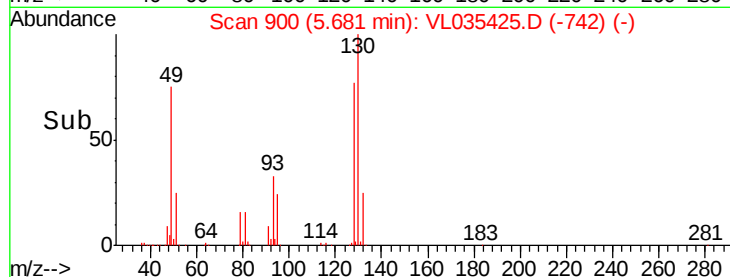
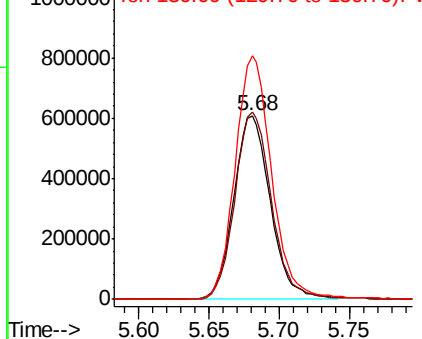
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.031 ppbv m

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL035425.D

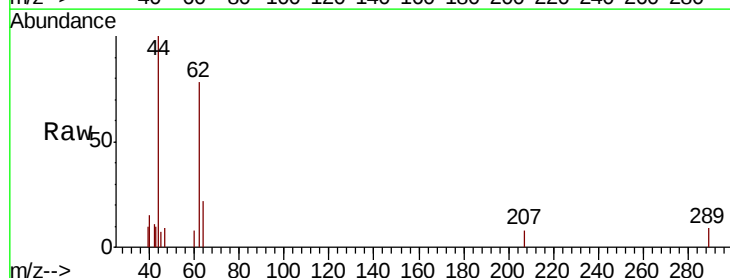
Acq: 17 Aug 2020 17:23

Tgt Ion: 62 Resp: 2363

Ion Ratio Lower Upper

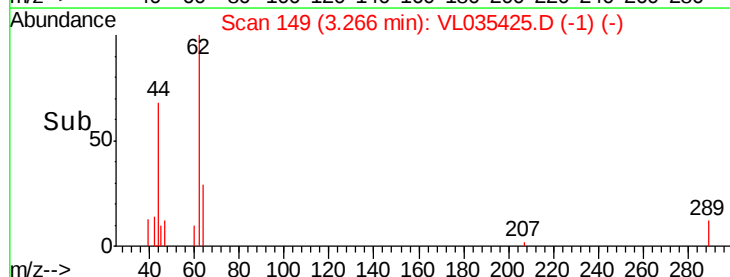
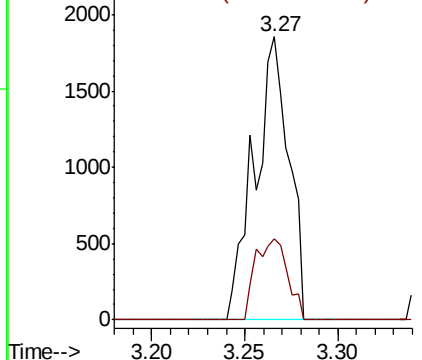
62 100

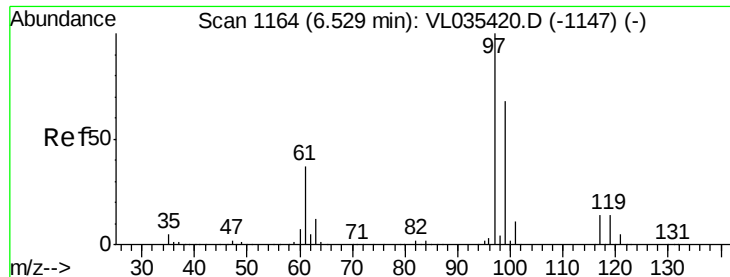
64 28.6 25.0 37.4



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: 0.032 ppbv m

RT: 6.53 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VL035425.D

Acq: 17 Aug 2020 17:23

Instrument :

MSVOA_L

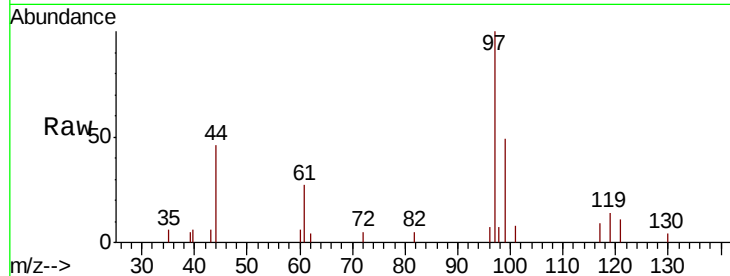
ClientSampleId :

VSTDIC0.03

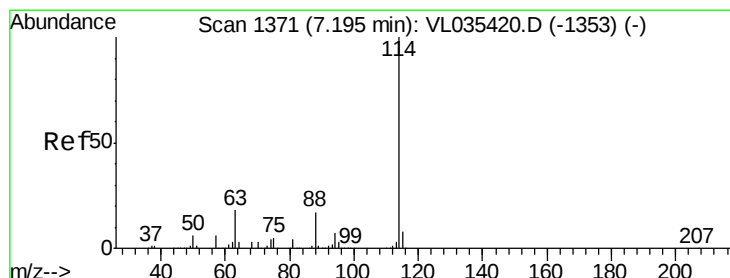
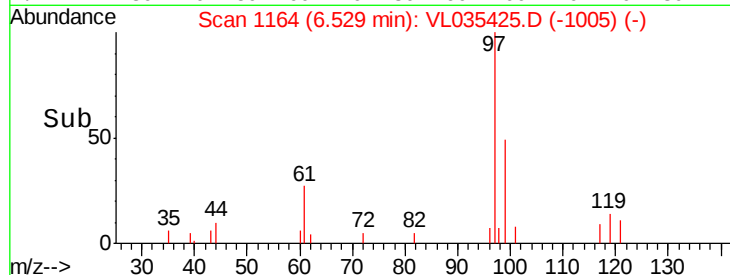
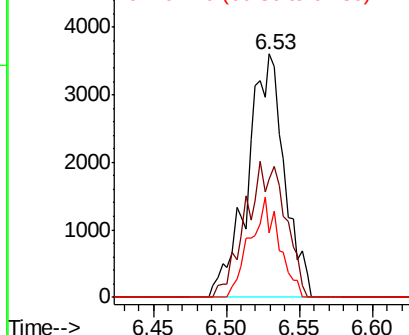
Tot Ion:	97	Resp:	6305
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.4	77.0#
61	32.5	41.0	61.6#

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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

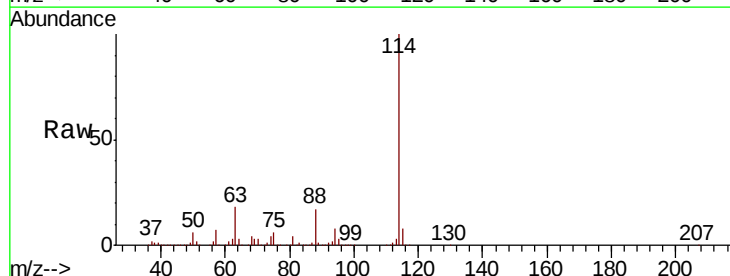
RT: 7.19 min Scan# 1370

Delta R.T. 0.00 min

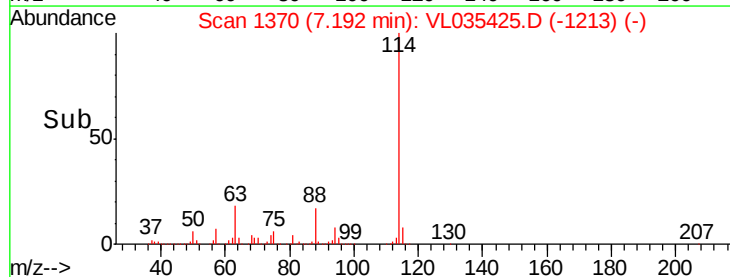
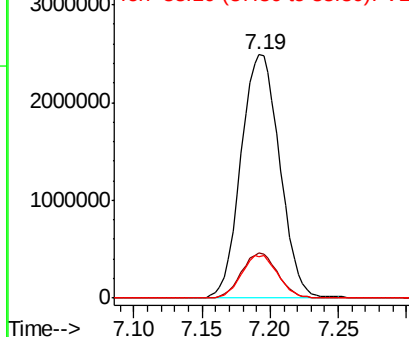
Lab File: VL035425.D

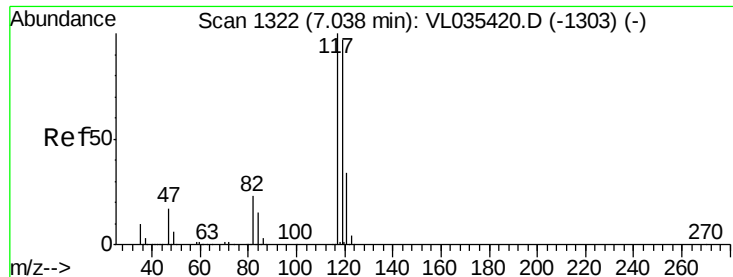
Acq: 17 Aug 2020 17:23

Tgt Ion:	114	Resp:	4904193
Ion Ratio	Lower	Upper	
114	100		
63	17.5	23.1	34.7#
88	16.5	15.9	23.9



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





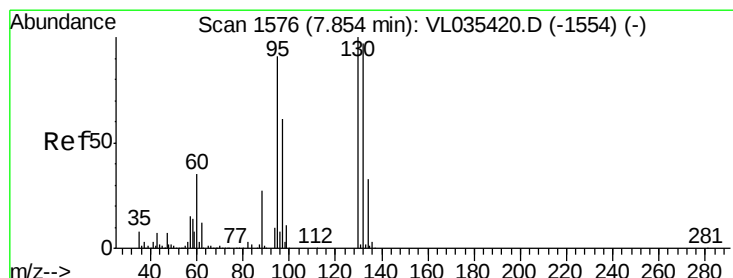
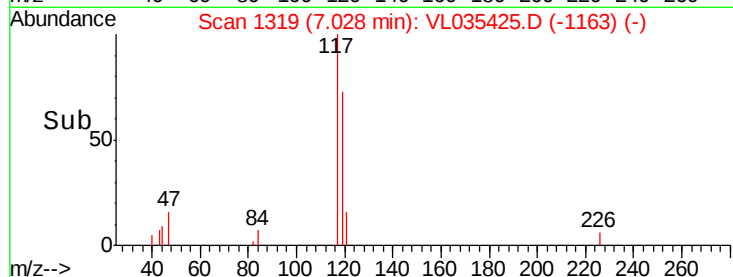
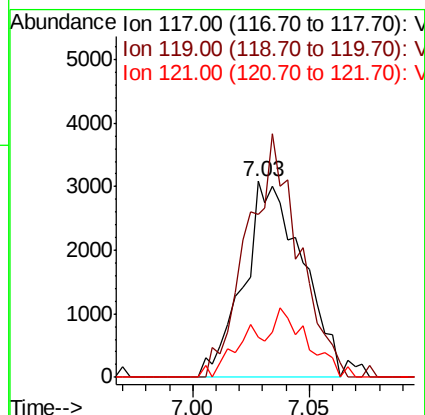
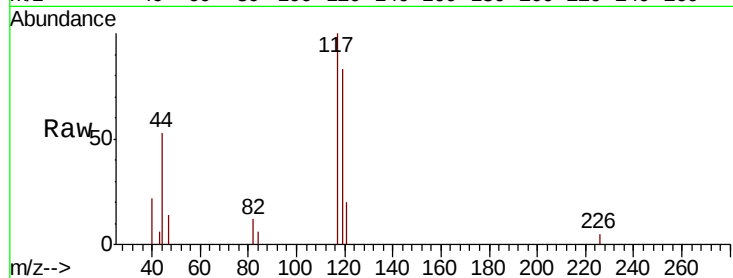
#35
Carbon Tetrachloride
Concen: 0.015 ppbv m
RT: 7.03 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VL035425.D
Acq: 17 Aug 2020 17:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	83.0	76.1	114.1
121	20.4	25.5	38.3#

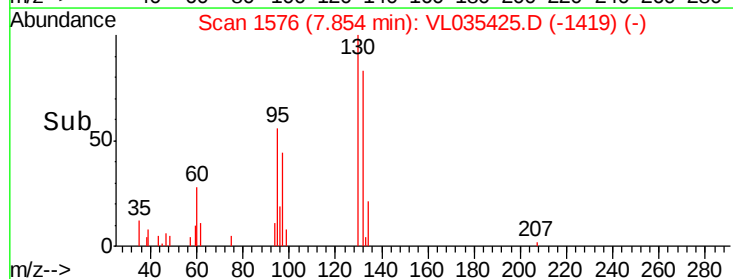
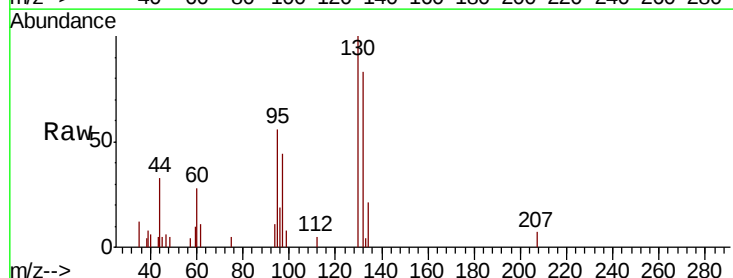
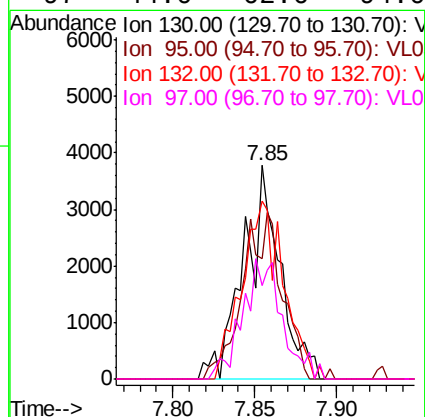
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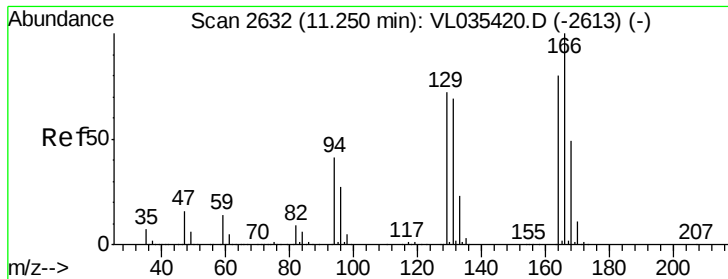
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#38
Trichloroethene
Concen: 0.030 ppbv m
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL035425.D
Acq: 17 Aug 2020 17:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	56.2	95.8	143.8#
132	83.3	74.3	111.5
97	44.0	62.6	94.0#





#52

Tetrachloroethene

Concen: 0.036 ppbv m

RT: 11.25 min Scan# 2633

Delta R.T. 0.01 min

Lab File: VL035425.D

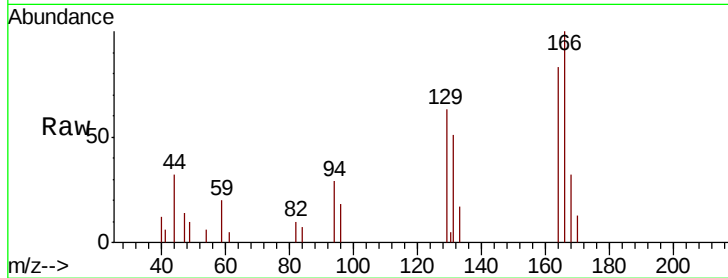
Acq: 17 Aug 2020 17:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03



Tot Ion:164 Resp: 6308

Ion Ratio Lower Upper

164 100

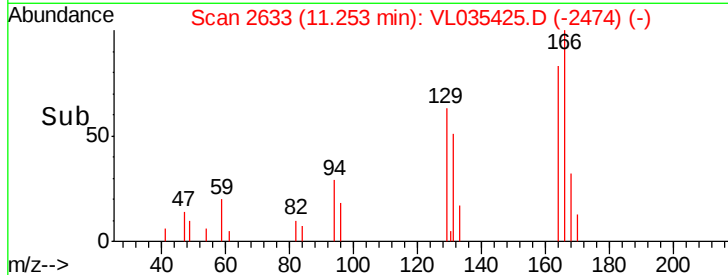
166 120.2 103.4 155.0

129 75.8 90.2 135.4#

131 61.5 91.7 137.5#

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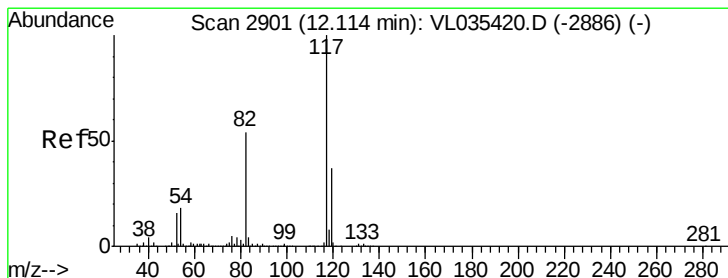
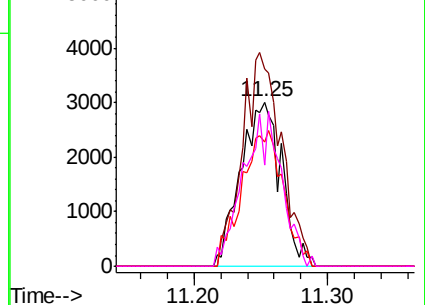


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.11 min Scan# 2901

Delta R.T. 0.01 min

Lab File: VL035425.D

Acq: 17 Aug 2020 17:23

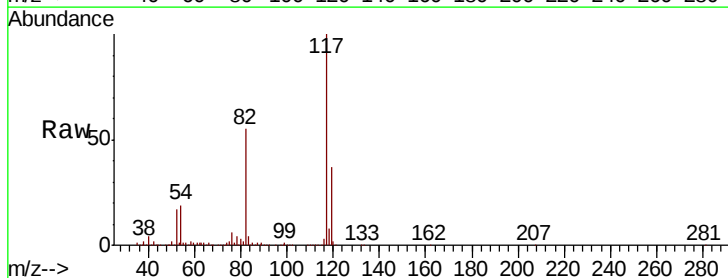
Tgt Ion:117 Resp: 4879738

Ion Ratio Lower Upper

117 100

82 53.4 57.4 86.0#

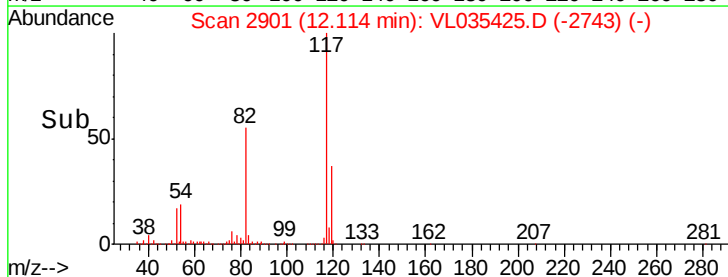
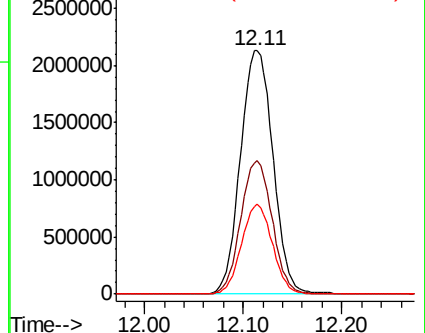
119 35.2 28.4 42.6

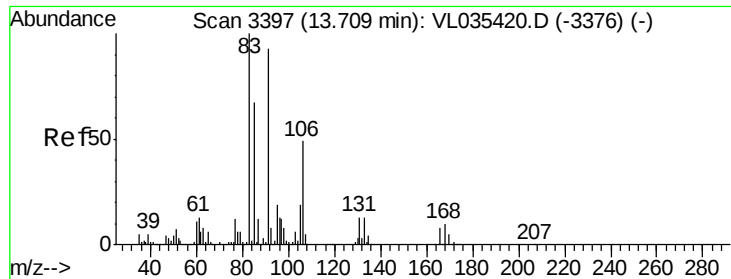


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





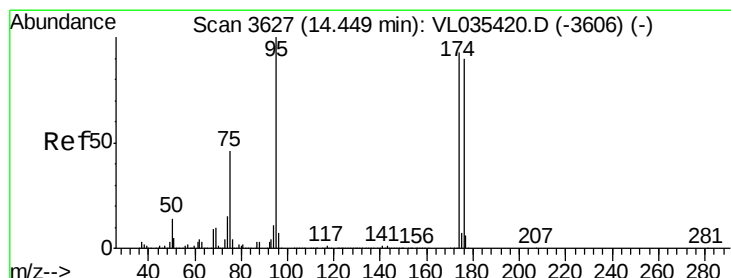
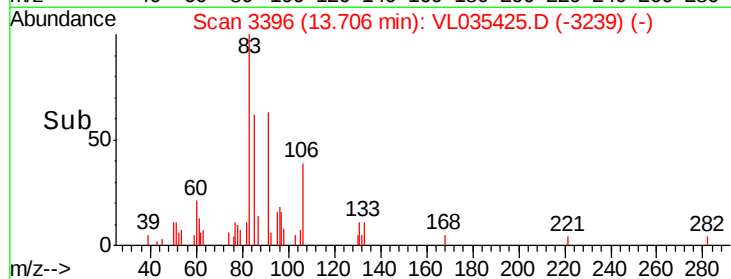
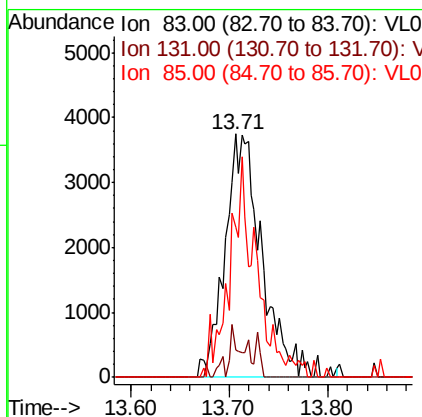
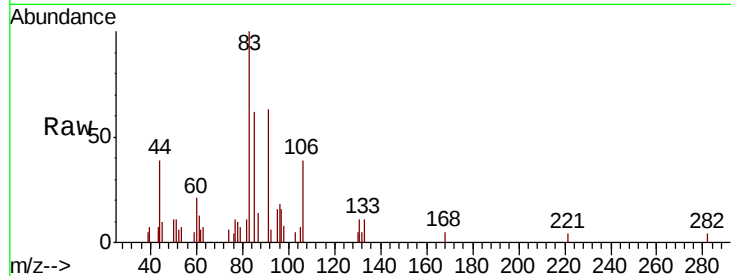
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.019 ppbv m
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL035425.D
 Acq: 17 Aug 2020 17:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	83	Resp	9808
Ion Ratio	100	Lower	Upper
83	100		
131	0.0	4.5	13.4#
85	66.3	32.7	98.1

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.437 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.01 min
 Lab File: VL035425.D
 Acq: 17 Aug 2020 17:23

Tgt Ion	95	Resp	3486524
Ion Ratio	100	Lower	Upper
95	100		
174	97.5	44.0	66.0#
175	7.2	3.2	4.8#

