

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037394.D
 Acq On : 11 Aug 2021 17:54
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Manual Integrations
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 8/12/2021 10:17:09 AM

Quant Time: Aug 12 03:29:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 2021
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1178226	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3660225	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3133169	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2252653	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds					Ovalue
15) Acetone	3.88	43	42705m	0.380	ppbv
32) 1,1,1-Trichloroethane	6.51	97	10118m	0.050	ppbv
35) Carbon Tetrachloride	7.01	117	9902m	0.049	ppbv
38) Trichloroethene	7.83	130	7125m	0.058	ppbv
52) Tetrachloroethene	11.21	164	6921m	0.058	ppbv

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

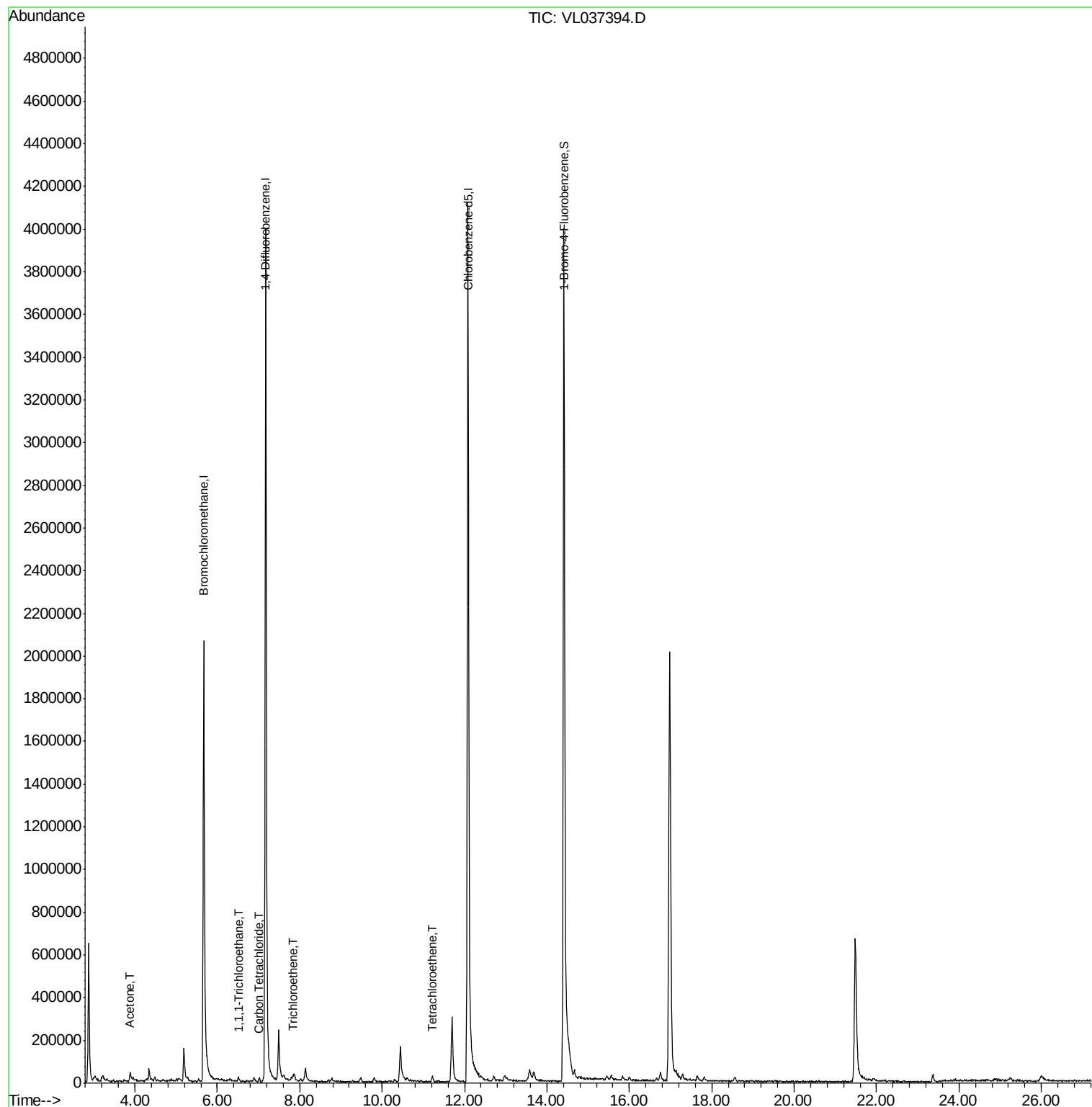
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081121\
Data File : VL037394.D
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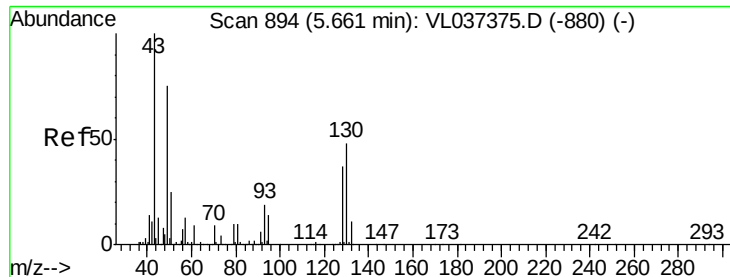
Instrument :
MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 11 09:01:07 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL037394.D

Acq: 11 Aug 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 49 Resp: 1178226

Ion Ratio Lower Upper

49 100

128 57.0 28.1 84.4

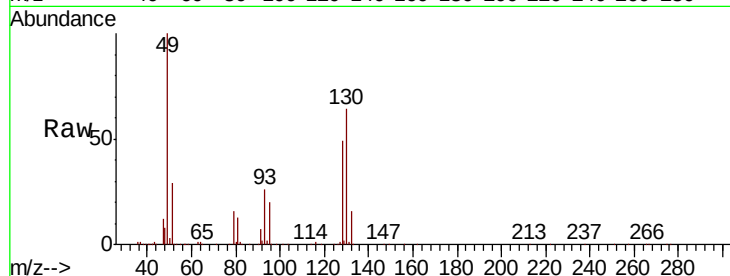
130 72.3 34.3 102.8

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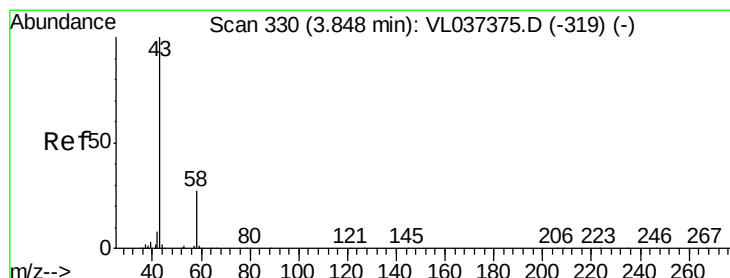
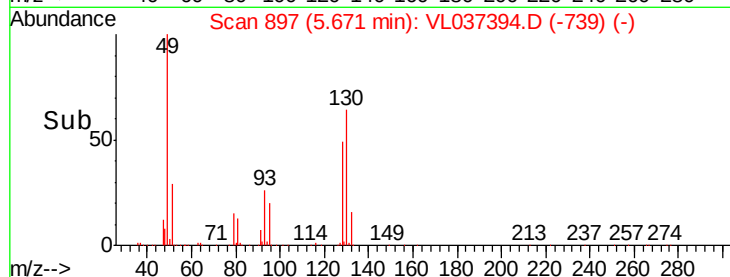
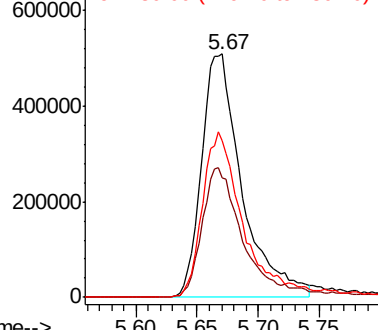
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.380 ppbv m

RT: 3.88 min Scan# 339

Delta R.T. 0.03 min

Lab File: VL037394.D

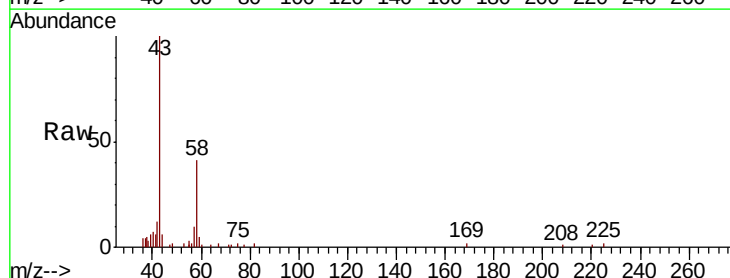
Acq: 11 Aug 2021 17:54

Tgt Ion: 43 Resp: 42705

Ion Ratio Lower Upper

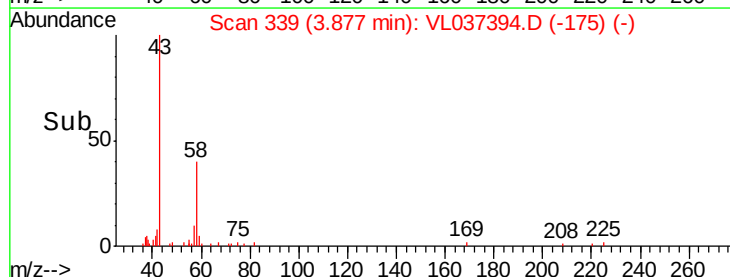
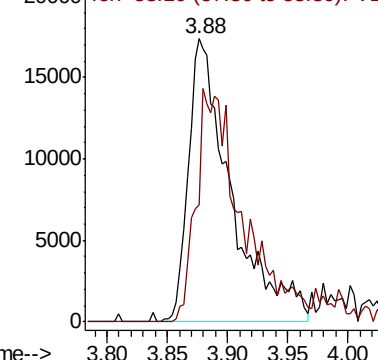
43 100

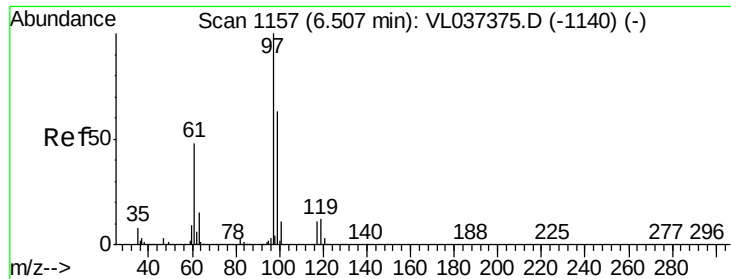
58 94.9 24.6 37.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.050 ppbv m

RT: 6.51 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VL037394.D

Acq: 11 Aug 2021 17:54

Instrument :

MSVOA_L

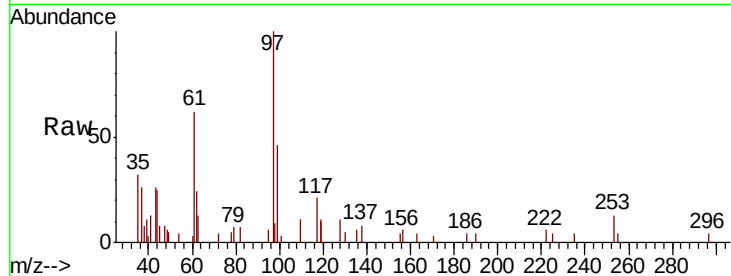
ClientSampled :

VIBLK

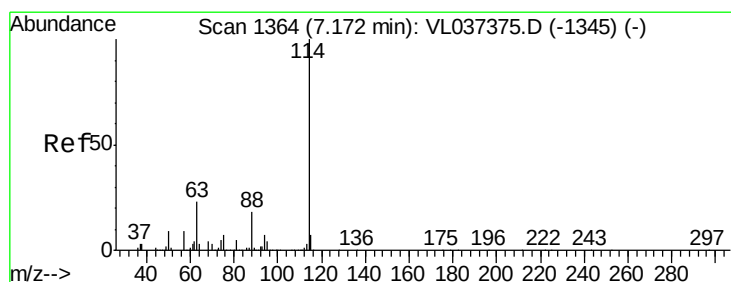
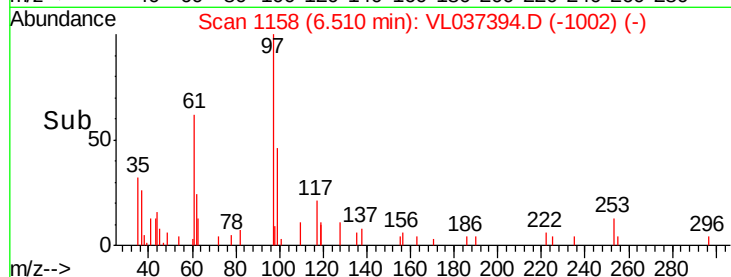
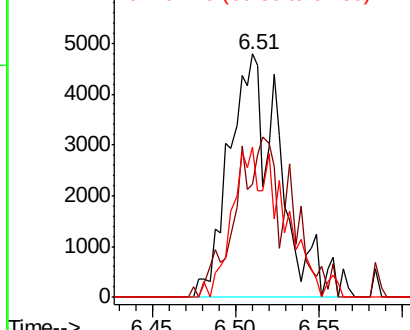
Tot Ion:	97	Resp:	10118
Ion Ratio	Lower	Upper	
97	100		
99	69.7	52.7	79.1
61	0.0	39.9	59.9#

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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

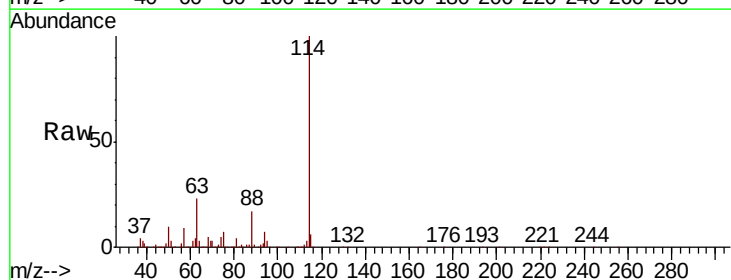
RT: 7.18 min Scan# 1365

Delta R.T. 0.00 min

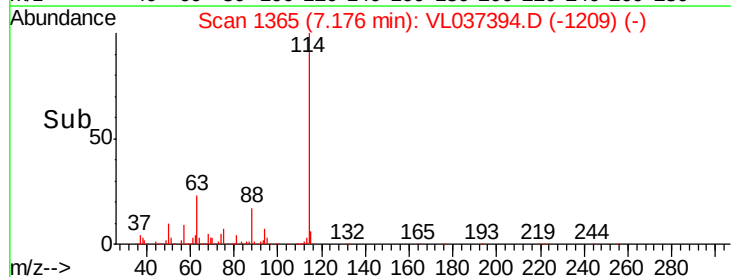
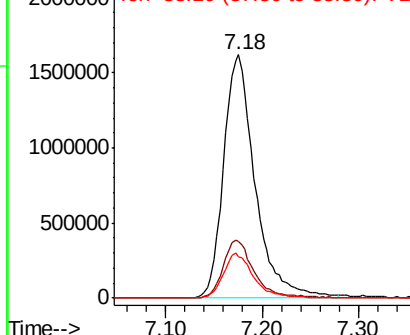
Lab File: VL037394.D

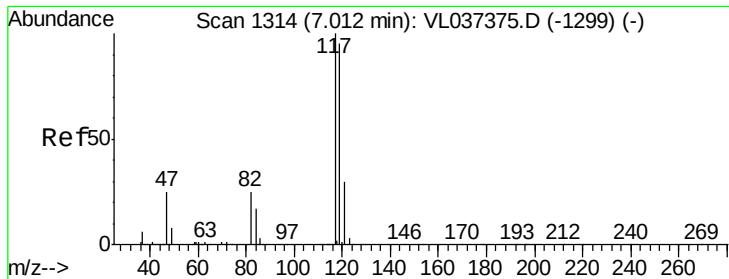
Acq: 11 Aug 2021 17:54

Tgt Ion:	114	Resp:	3660225
Ion Ratio	Lower	Upper	
114	100		
63	23.8	19.5	29.3
88	18.0	14.3	21.5



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: 0.049 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL037394.D

Acq: 11 Aug 2021 17:54

Instrument :

MSVOA_L

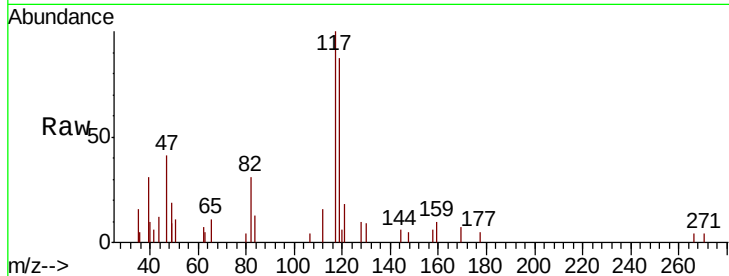
ClientSampled :

VIBLK

Tot Ion:	117	Resp:	9902
Ion Ratio	Lower	Upper	
117	100		
119	87.1	76.1	114.1
121	17.7	24.4	36.6#

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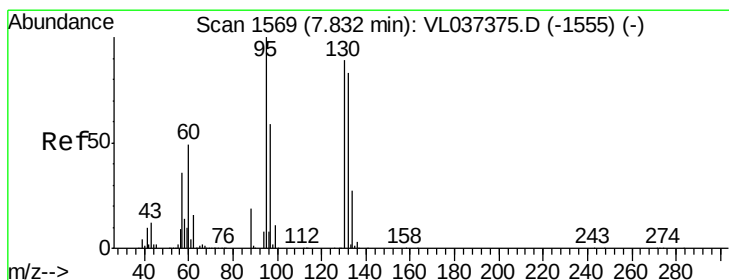
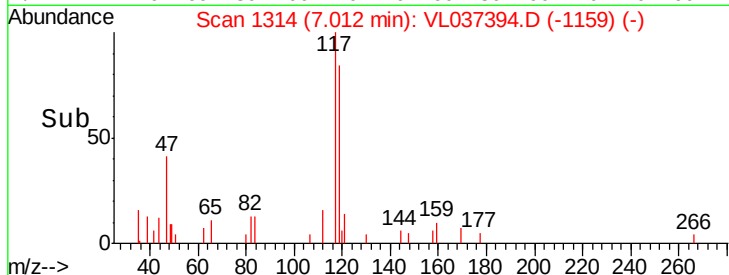
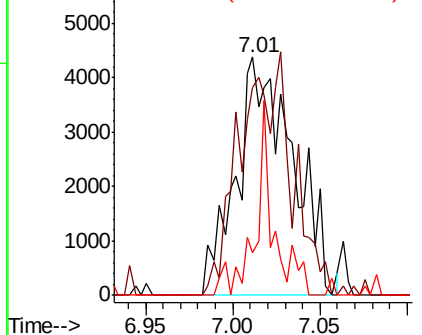


Abundance

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: 0.058 ppbv m

RT: 7.83 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VL037394.D

Acq: 11 Aug 2021 17:54

Tgt Ion:	130	Resp:	7125
Ion Ratio	Lower	Upper	
130	100		
95	89.4	89.5	134.3#
132	97.7	74.2	111.4
97	57.0	52.9	79.3

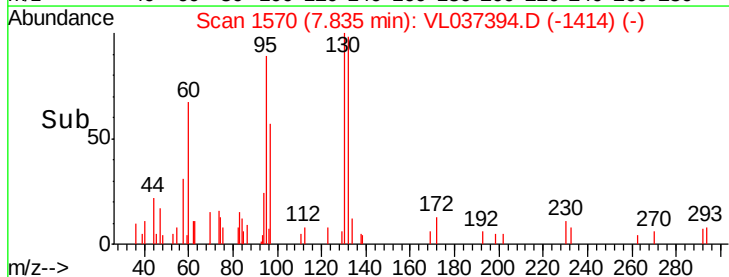
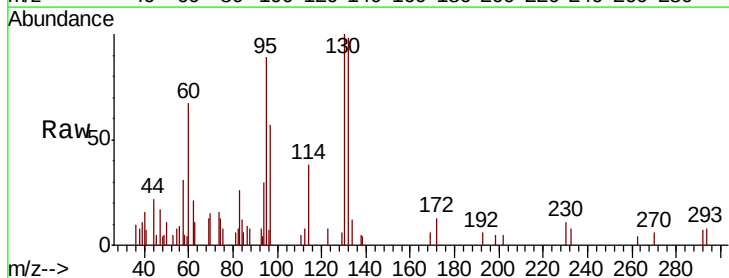
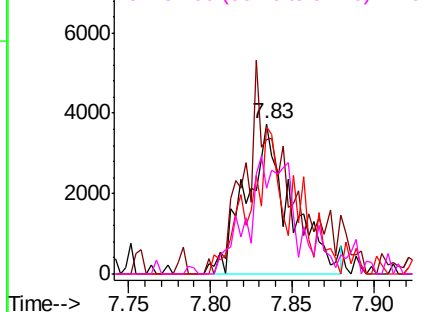
Abundance

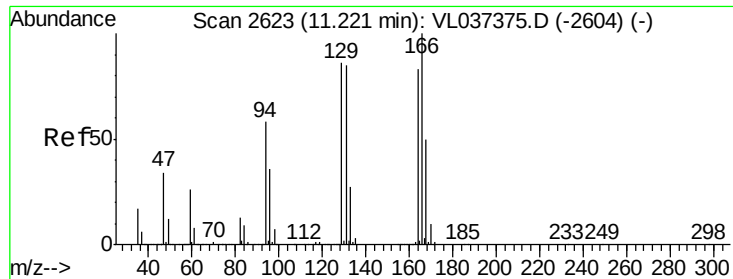
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): V





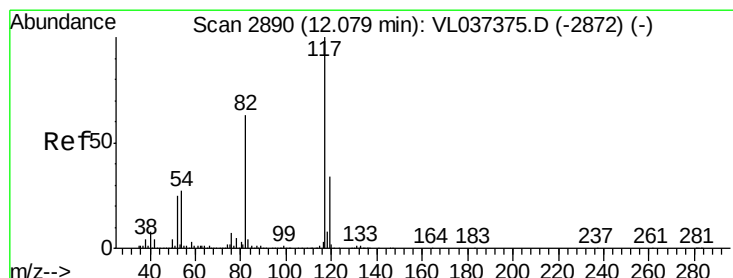
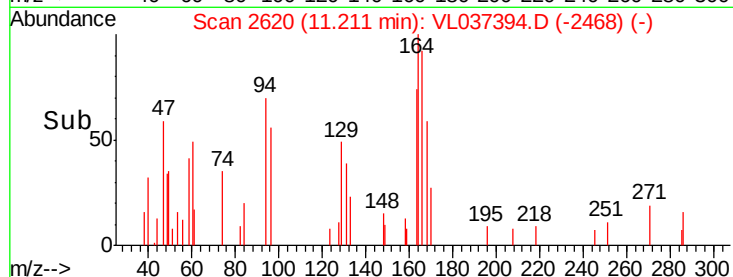
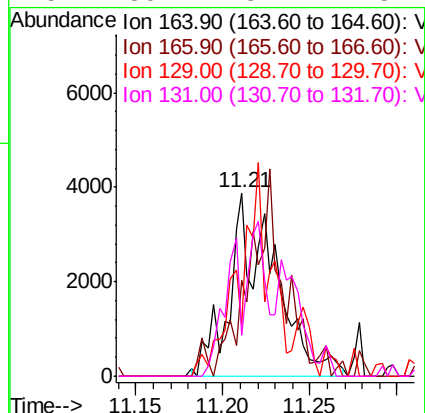
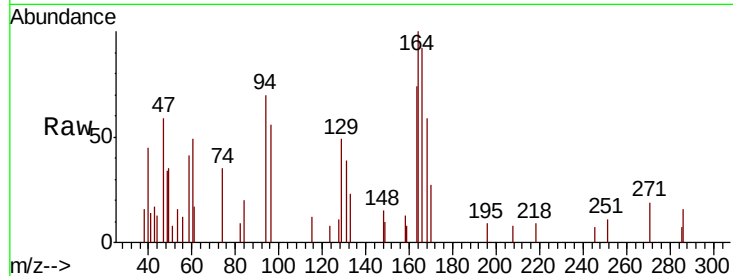
#52
Tetrachloroethene
Concen: 0.058 ppbv m
RT: 11.21 min Scan# 2620
Delta R.T. -0.01 min
Lab File: VL037394.D
Acq: 11 Aug 2021 17:54

Instrument :
MSVOA_L
ClientSampled :
VIBLK

Tot Ion	Ratio	Lower	Upper
164	100		
166	91.6	96.5	144.7#
129	48.7	83.2	124.8#
131	39.4	82.2	123.2#

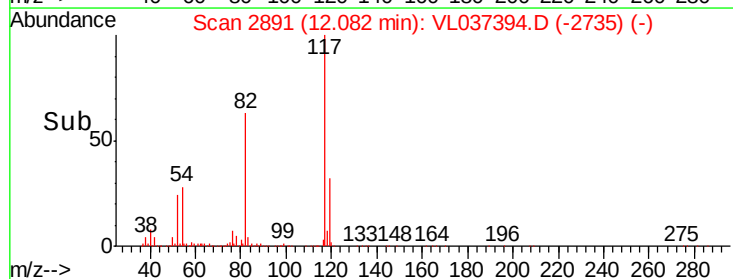
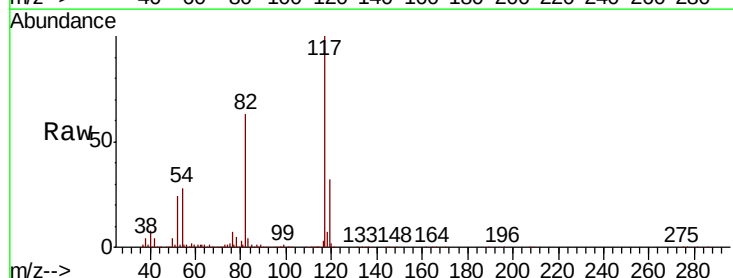
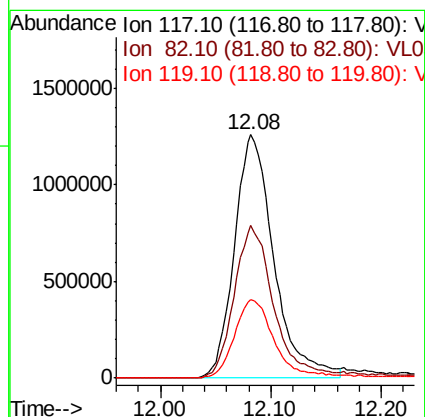
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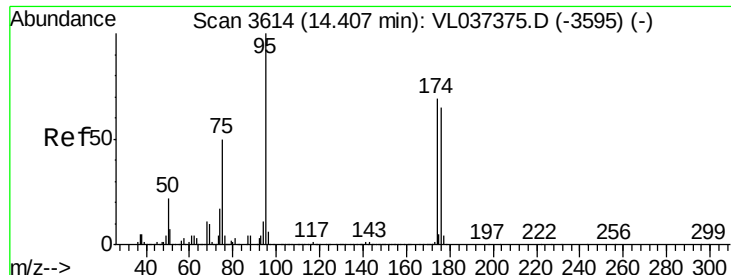
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL037394.D
Acq: 11 Aug 2021 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.2	52.6	78.8
119	33.4	46.7	70.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.641 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.01 min

Lab File: VL037394.D

Acq: 11 Aug 2021 17:54

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 95 Resp: 2252653

Ion Ratio Lower Upper

95 100

174 75.0 58.3 87.5

175 5.5 4.3 6.5

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