

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037318.D
 Acq On : 4 Aug 2021 20:38
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

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Quant Time: Aug 04 22:46:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:46:02 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	1170699	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3849795	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3369024	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2270821	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	2912m	0.031	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	7615m	0.036	ppbv	
38) Trichloroethene	7.83	130	5264m	0.035	ppbv	
52) Tetrachloroethene	11.22	164	5908m	0.047	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	10122m	0.044	ppbv	

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

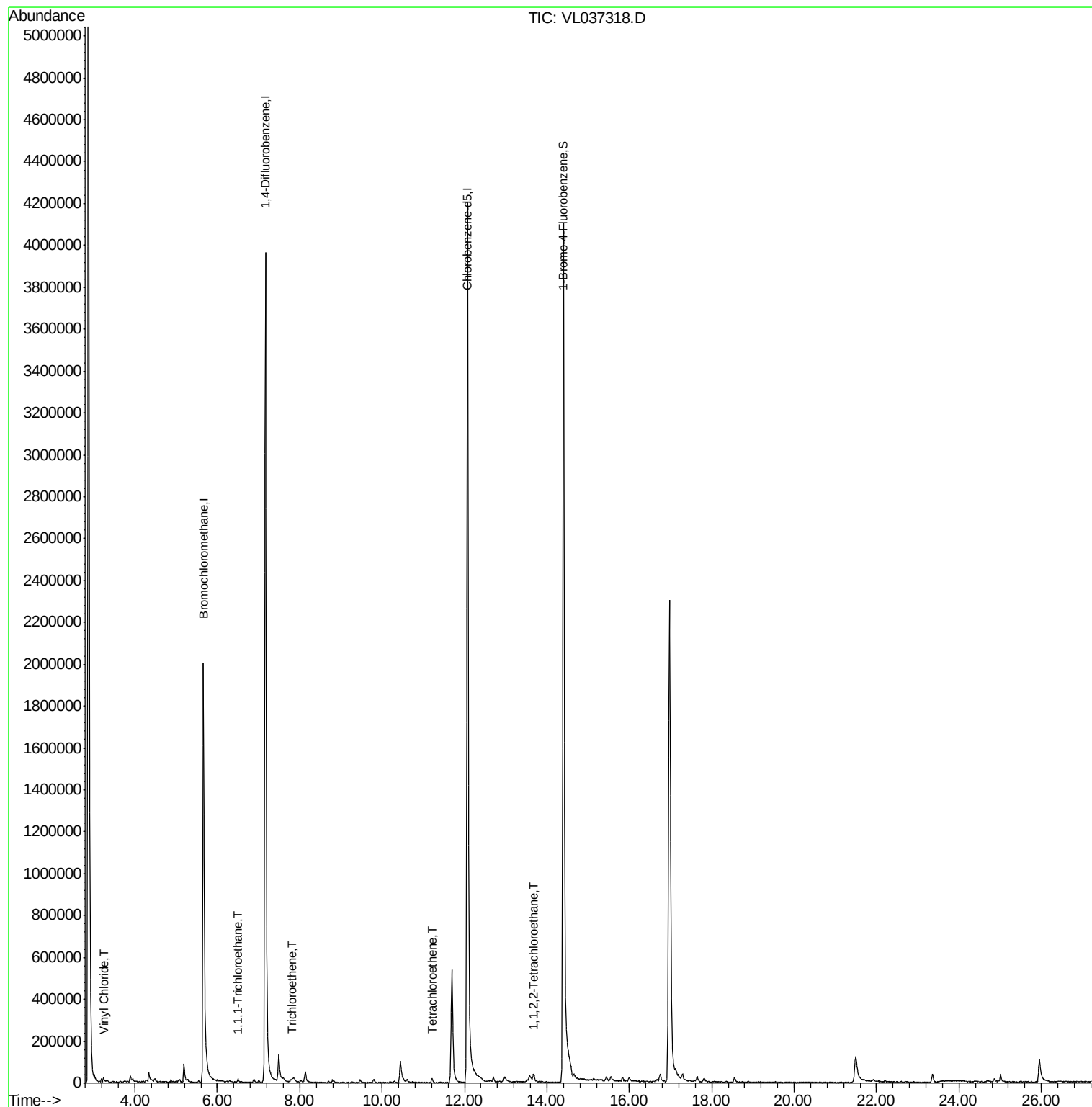
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080421\
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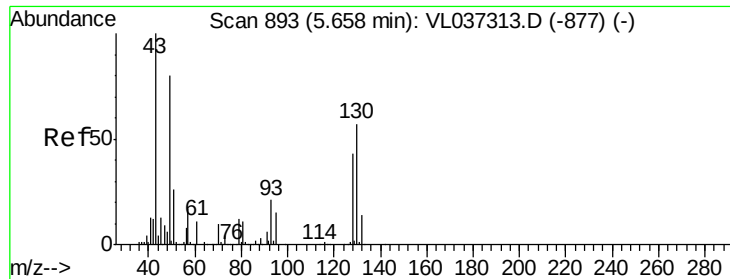
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
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QLast Update : Wed Aug 04 22:14:21 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037318.D

Acq: 4 Aug 2021 20:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1170699

Ion Ratio Lower Upper

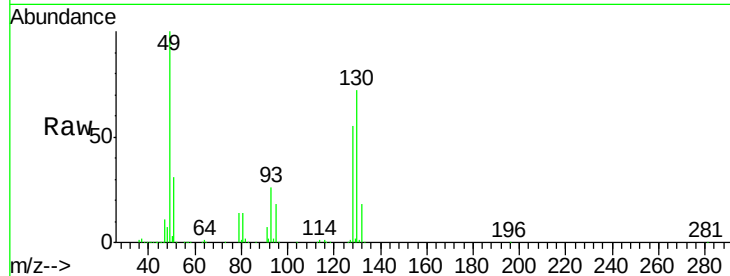
49 100

128 61.4 29.8 89.5

130 80.8 37.5 112.7

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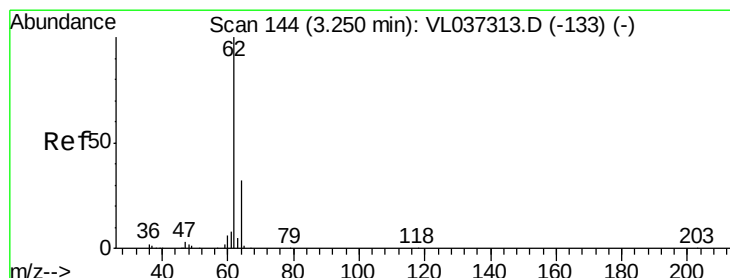
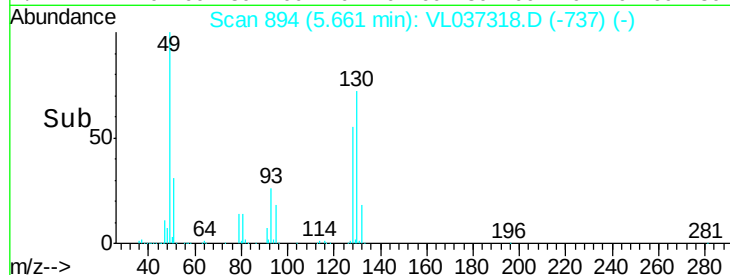
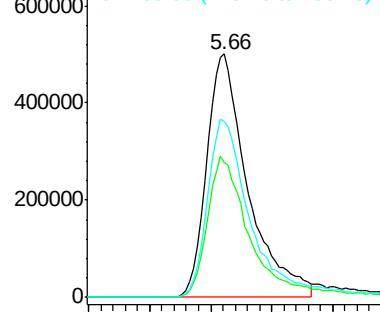
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.031 ppbv m

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037318.D

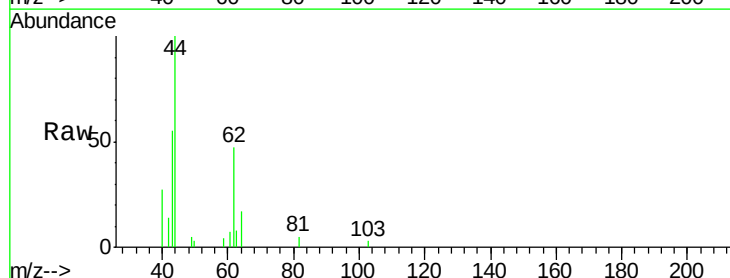
Acq: 4 Aug 2021 20:38

Tgt Ion: 62 Resp: 2912

Ion Ratio Lower Upper

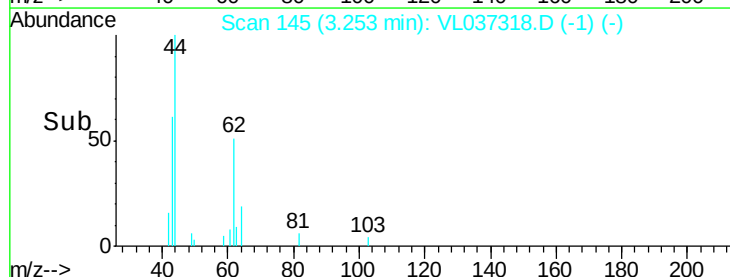
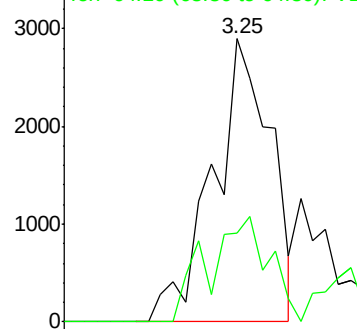
62 100

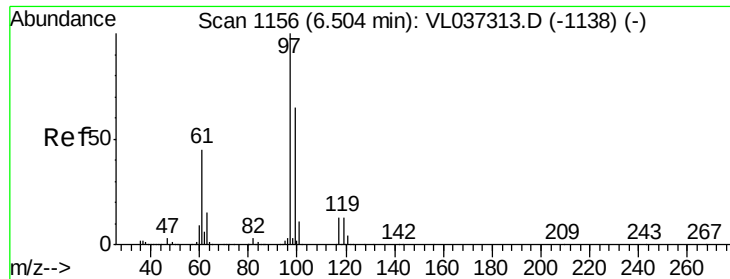
64 36.8 25.7 38.5



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: 0.036 ppbv m

RT: 6.50 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VL037318.D

Acq: 4 Aug 2021 20:38

Instrument :

MSVOA_L

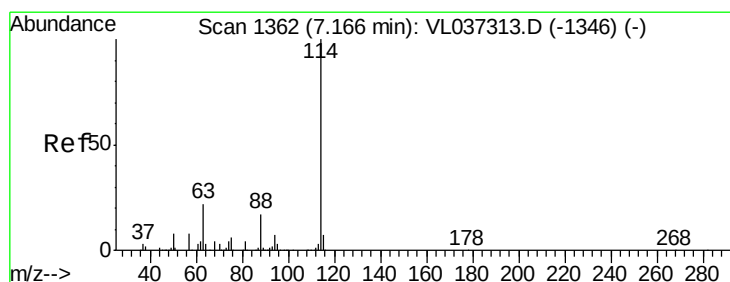
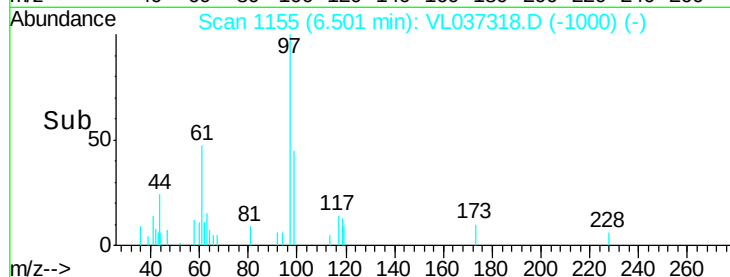
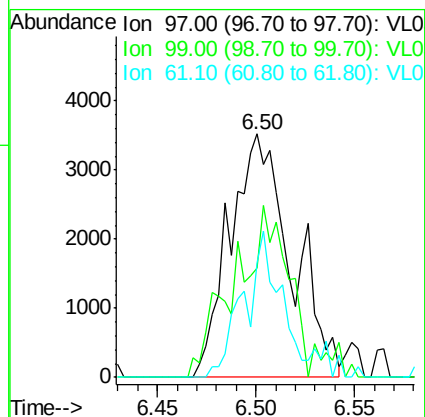
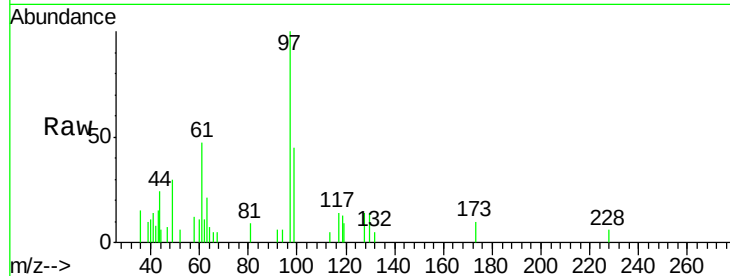
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	7615
Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.3	78.5
61	39.6	37.2	55.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

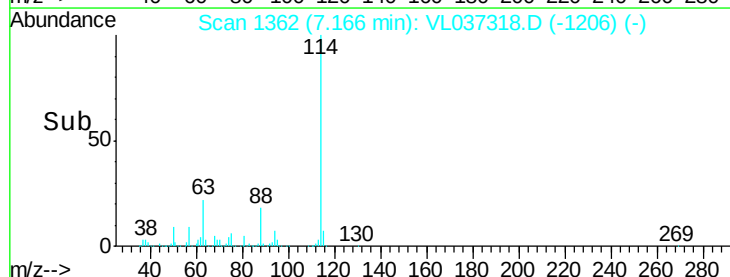
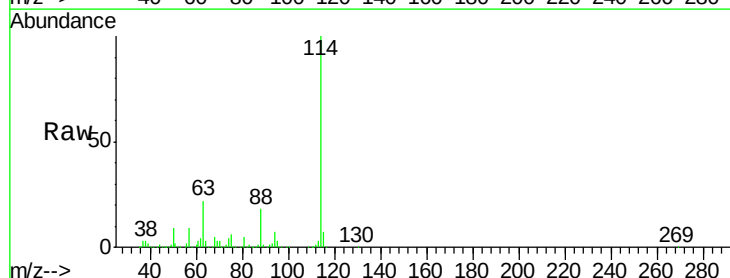
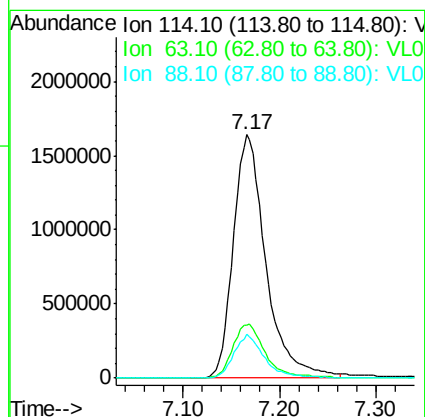
RT: 7.17 min Scan# 1362

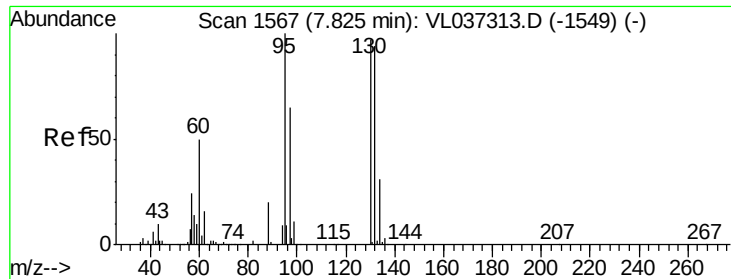
Delta R.T. 0.00 min

Lab File: VL037318.D

Acq: 4 Aug 2021 20:38

Tgt Ion:	114	Resp:	3849795
Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.1	27.1
88	17.1	13.8	20.8





#38

Trichloroethene

Concen: 0.035 ppbv m

RT: 7.83 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VL037318.D

Acq: 4 Aug 2021 20:38

Instrument :

MSVOA_L

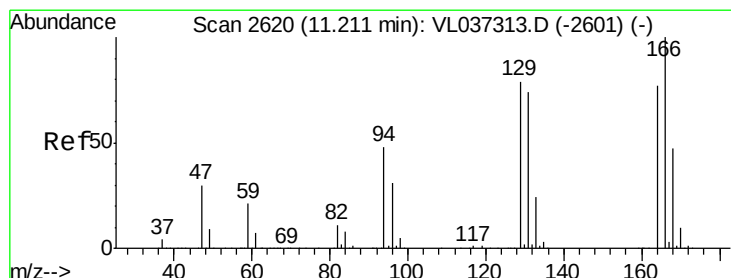
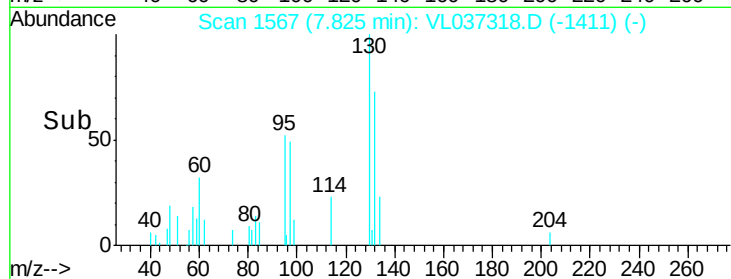
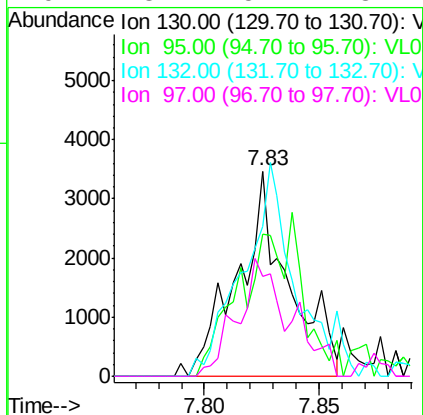
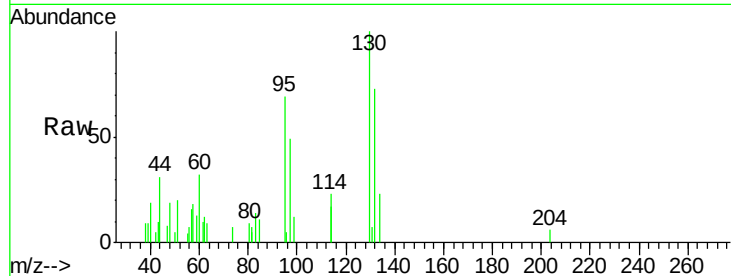
ClientSampleId :

VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
130	100		
95	69.5	82.8	124.2#
132	72.6	78.2	117.4#
97	48.7	54.2	81.2#

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#52

Tetrachloroethene

Concen: 0.047 ppbv m

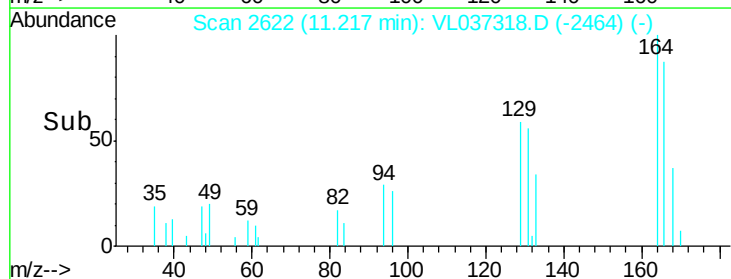
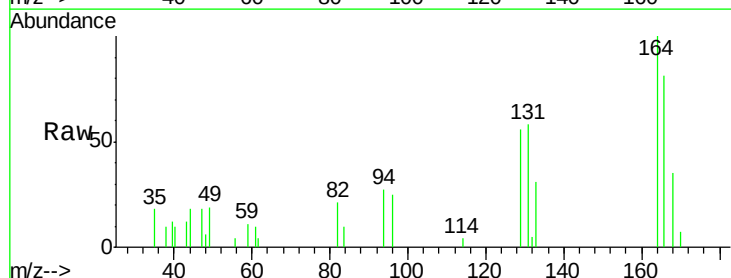
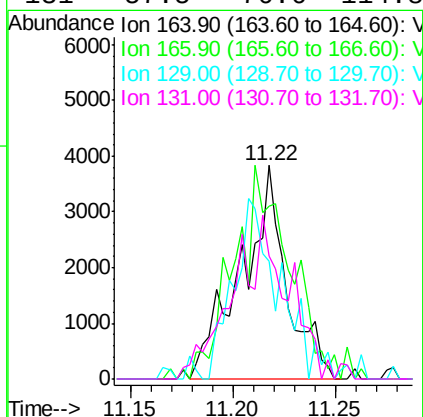
RT: 11.22 min Scan# 2622

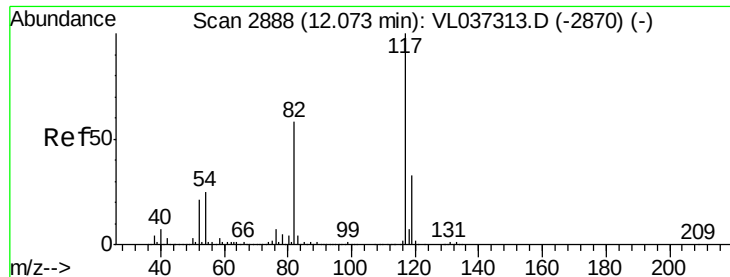
Delta R.T. 0.01 min

Lab File: VL037318.D

Acq: 4 Aug 2021 20:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	81.2	103.4	155.2#
129	55.5	82.2	123.2#
131	57.5	76.6	114.8#





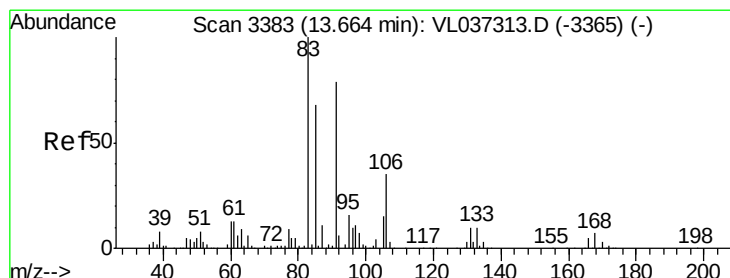
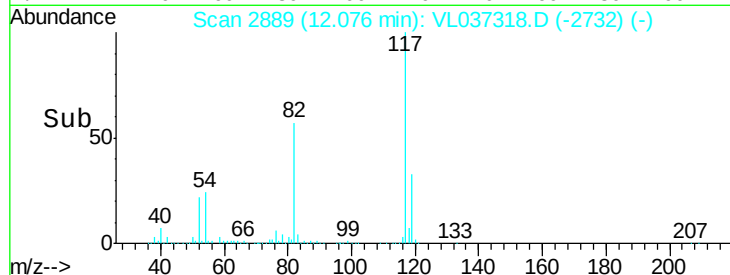
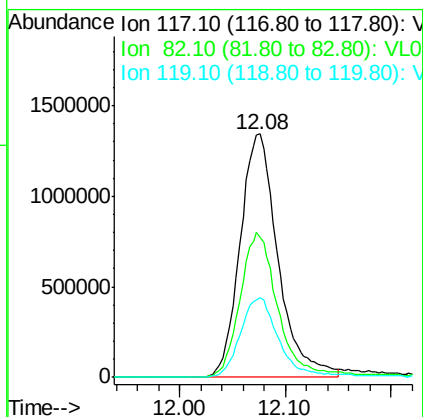
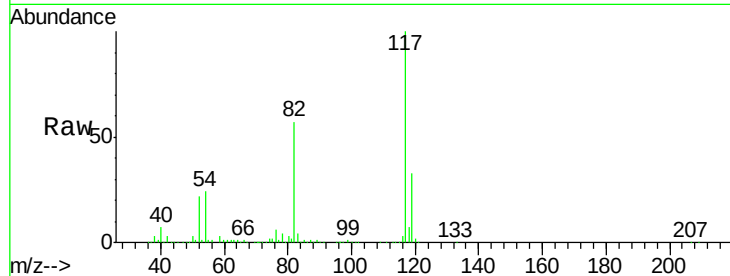
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL037318.D
Acq: 4 Aug 2021 20:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.1	50.3	75.5
119	34.6	48.2	72.2#

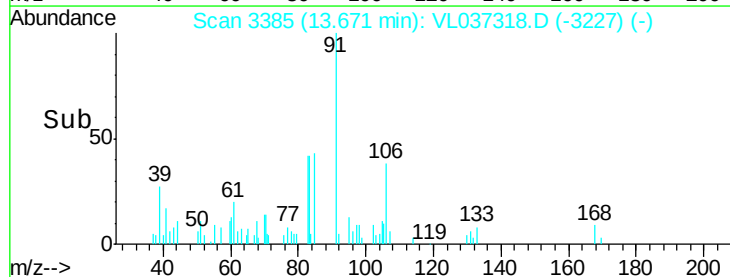
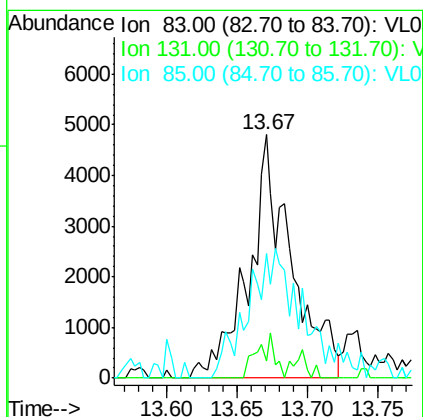
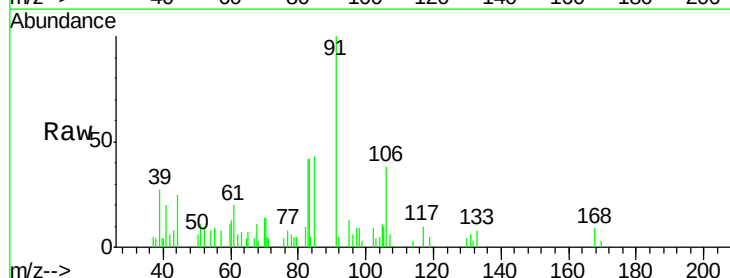
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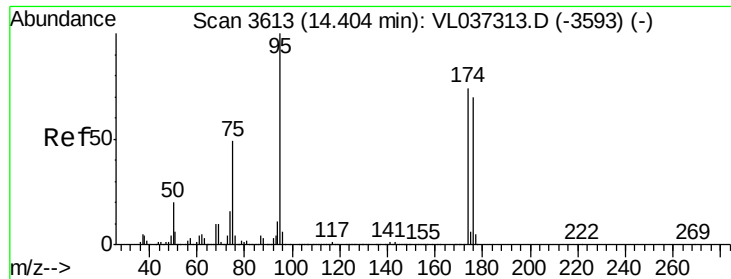
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#63
1,1,2,2-Tetrachloroethane
Concen: 0.044 ppbv m
RT: 13.67 min Scan# 3385
Delta R.T. 0.01 min
Lab File: VL037318.D
Acq: 4 Aug 2021 20:38

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.4
85	72.0	33.5	100.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.661 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.00 min

Lab File: VL037318.D

Acq: 4 Aug 2021 20:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 95 Resp: 2270821

Ion Ratio Lower Upper

95 100

174 82.3 66.9 100.3

175 5.6 5.1 7.7

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