

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036954.D
 Acq On : 18 May 2021 4:29
 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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 5/20/2021 5:54:20 PM

Quant Time: May 18 07:25:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18
 QLast Update : Tue May 18 07:06:50 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1286078	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3750952	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3585780	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2677320	9.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds					Ovalue
5) Vinyl Chloride	3.24	62	9689m	0.108	ppbv
32) 1,1,1-Trichloroethane	6.48	97	26074m	0.106	ppbv
35) Carbon Tetrachloride	6.99	117	24321m	0.083	ppbv
38) Trichloroethene	7.80	130	14815m	0.120	ppbv
52) Tetrachloroethene	11.20	164	15606m	0.141	ppbv
63) 1,1,2,2-Tetrachloroethane	13.65	83	29182m	0.080	ppbv

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

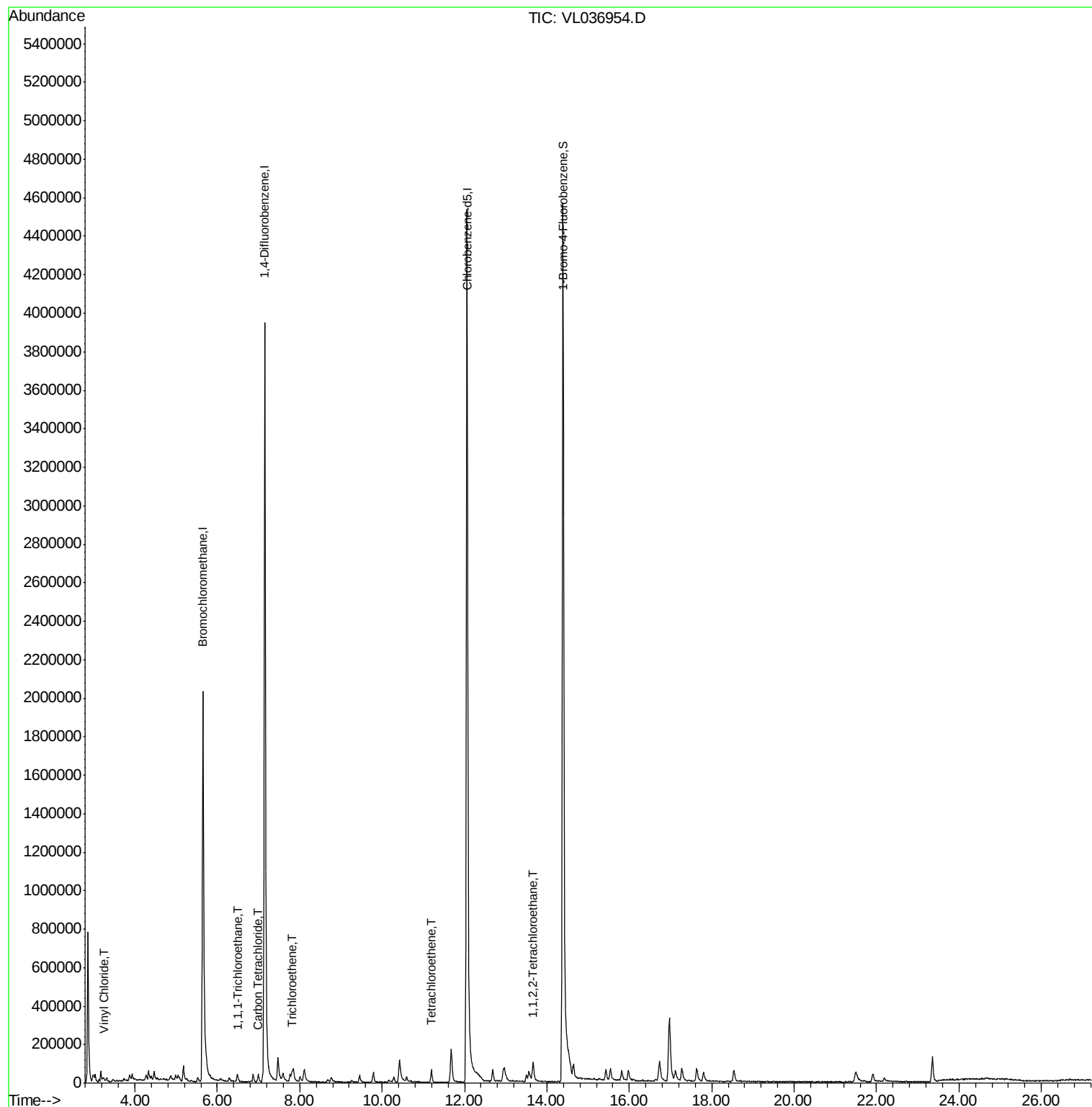
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
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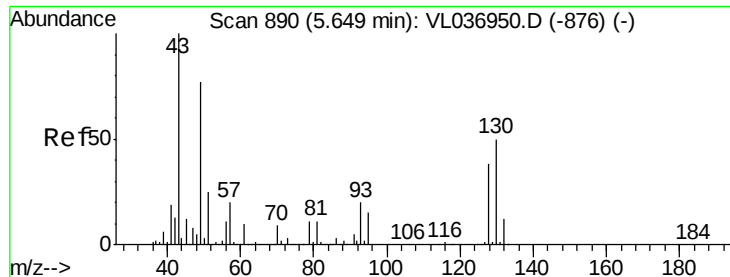
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
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QLast Update : Tue May 18 07:06:50 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL036954.D

Acq: 18 May 2021 4:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1286078

Ion Ratio Lower Upper

49 100

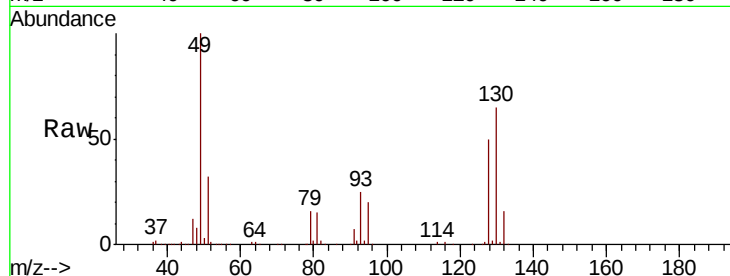
128 53.7 26.9 80.7

130 68.9 33.8 101.4

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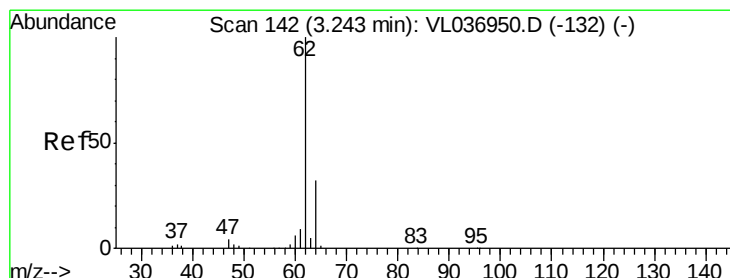
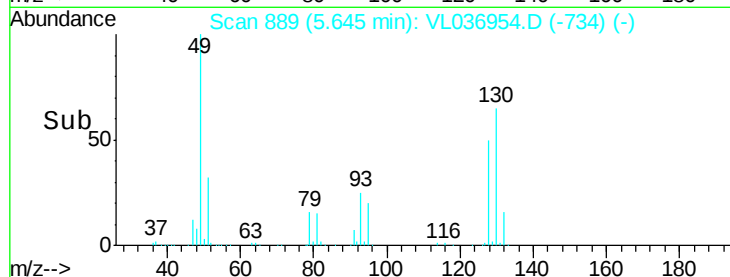
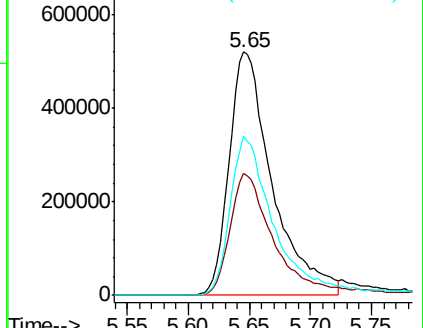
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.108 ppbv m

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL036954.D

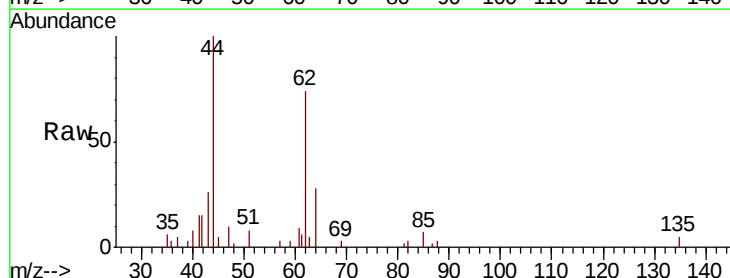
Acq: 18 May 2021 4:29

Tgt Ion: 62 Resp: 9689

Ion Ratio Lower Upper

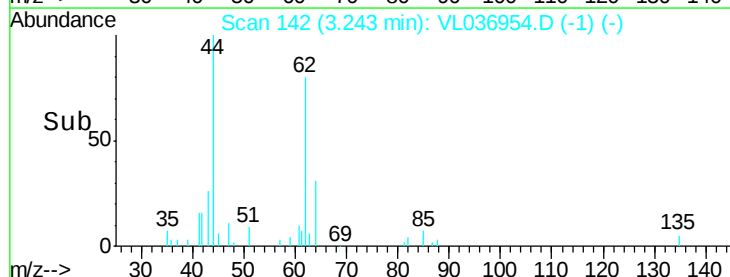
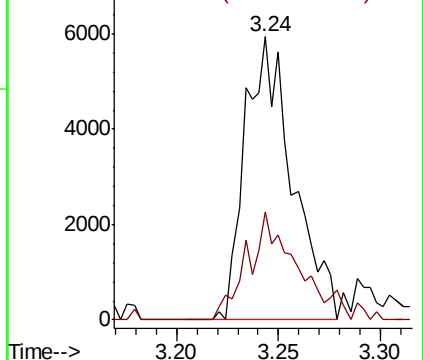
62 100

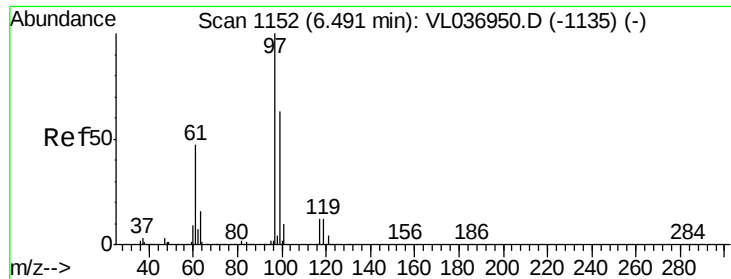
64 38.2 25.9 38.9



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: 0.106 ppbv m

RT: 6.48 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VL036954.D

Acq: 18 May 2021 4:29

Instrument :

MSVOA_L

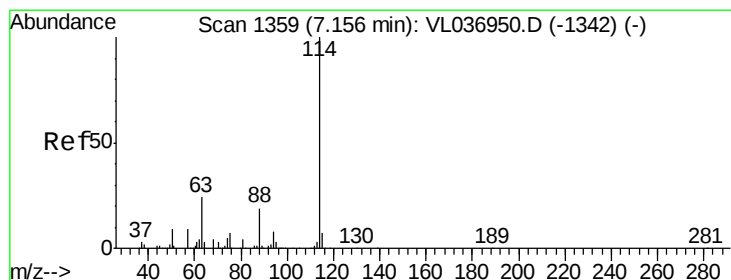
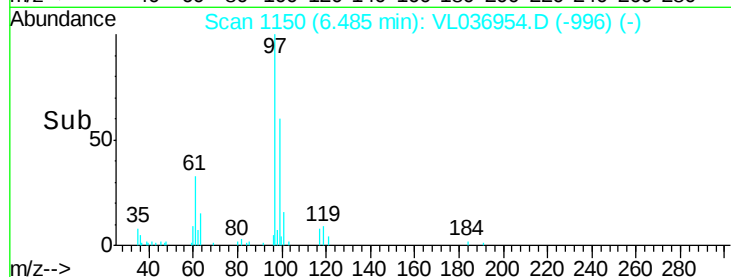
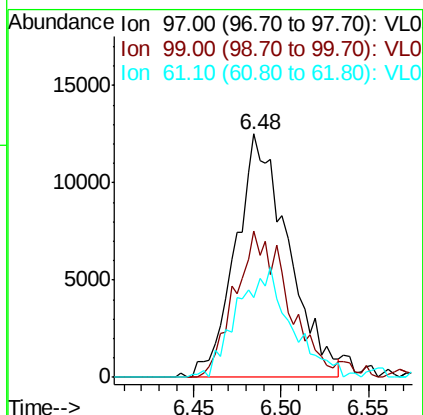
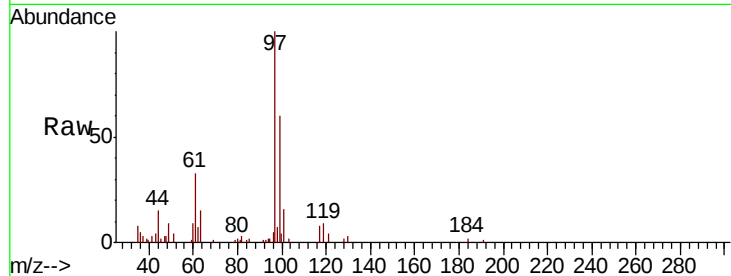
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	26074
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.9	77.9
61	0.0	37.6	56.4#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

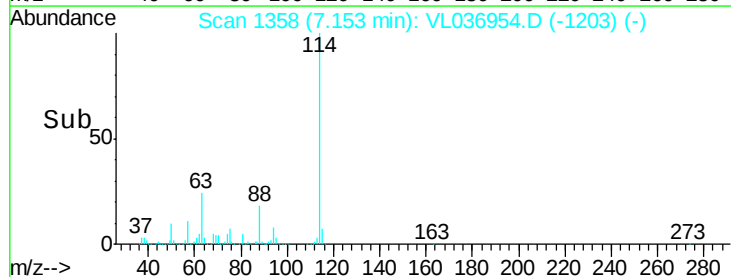
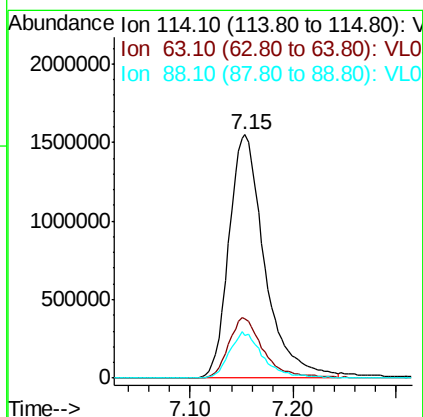
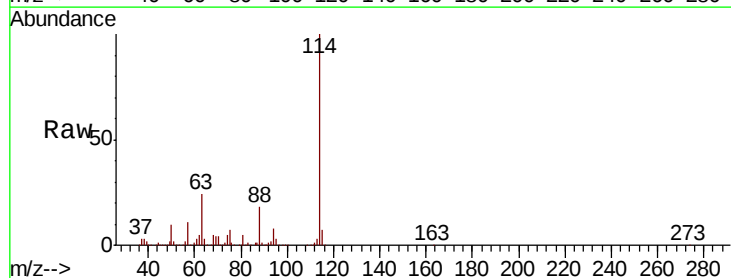
RT: 7.15 min Scan# 1358

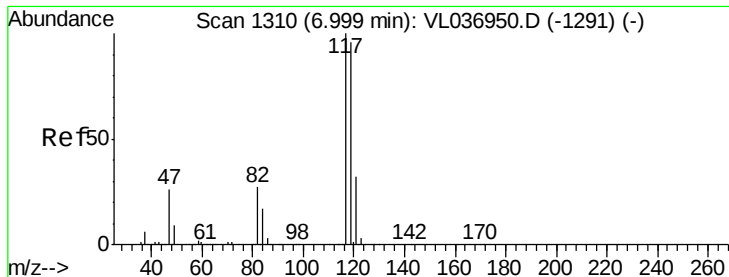
Delta R.T. -0.00 min

Lab File: VL036954.D

Acq: 18 May 2021 4:29

Tgt Ion:	114	Resp:	3750952
Ion Ratio	Lower	Upper	
114	100		
63	24.6	19.6	29.4
88	18.2	14.6	21.8





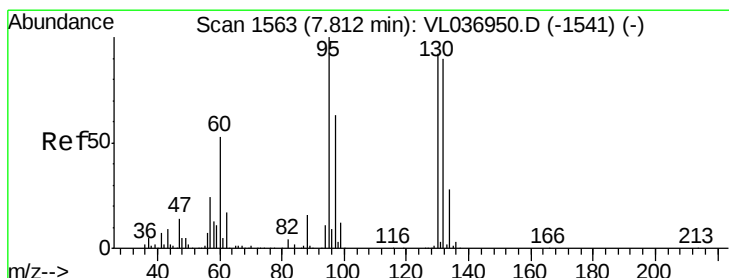
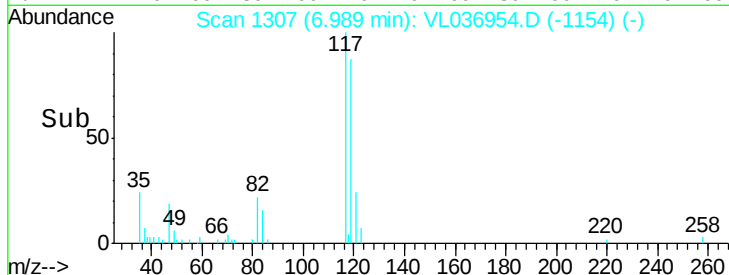
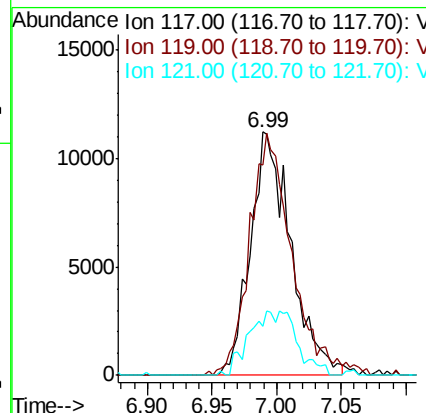
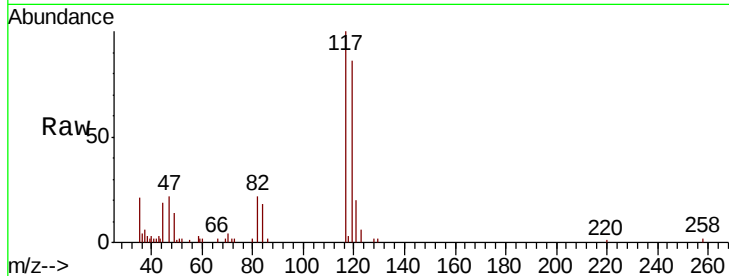
#35
Carbon Tetrachloride
Concen: 0.083 ppbv m
RT: 6.99 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VL036954.D
Acq: 18 May 2021 4:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
117	100		
119	86.4	76.6	114.8
121	20.3	25.8	38.6

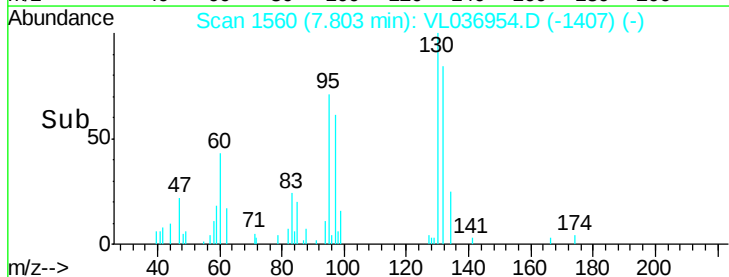
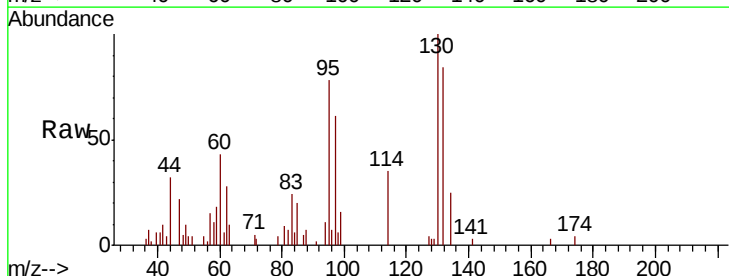
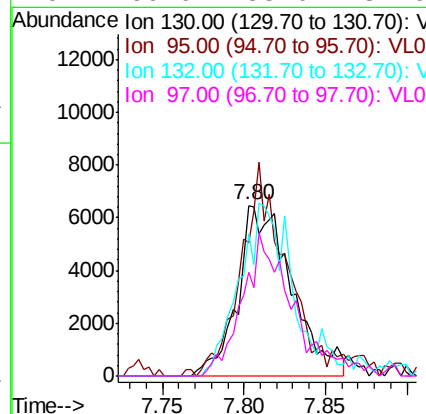
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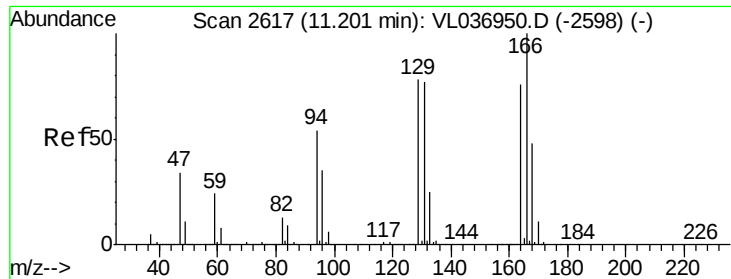
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#38
Trichloroethene
Concen: 0.120 ppbv m
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL036954.D
Acq: 18 May 2021 4:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	78.0	86.9	130.3
132	83.7	78.4	117.6
97	60.9	55.0	82.6





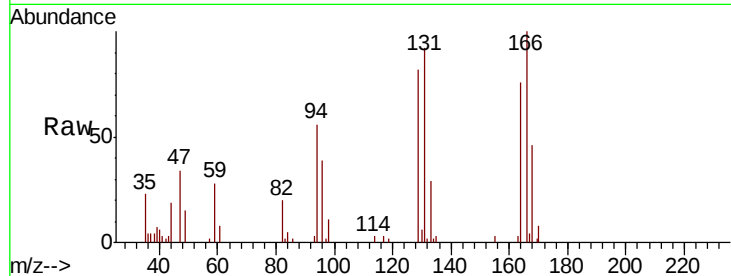
#52
Tetrachloroethene
Concen: 0.141 ppbv m
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL036954.D
Acq: 18 May 2021 4:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

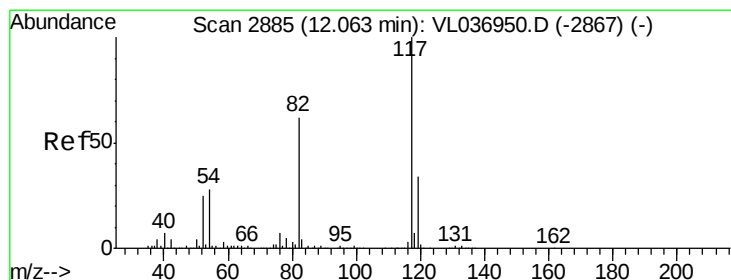
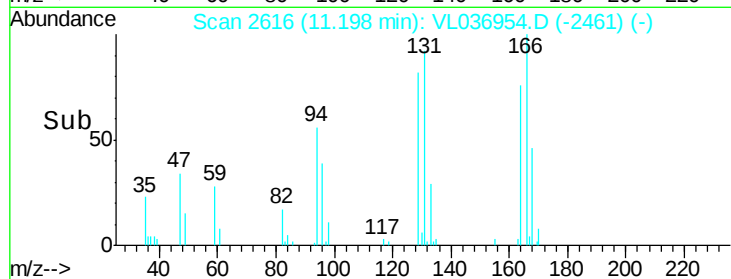
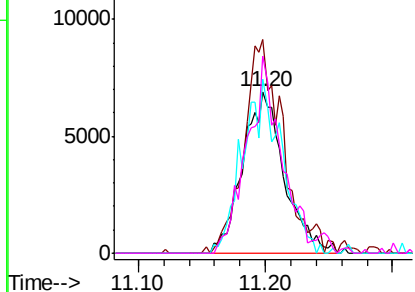
Tot Ion	Ratio	Lower	Upper
164	100		
166	132.2	105.5	158.3
129	107.9	81.8	122.8
131	121.9	81.2	121.8#

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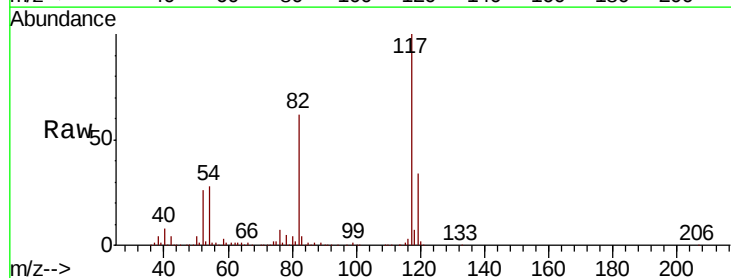


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

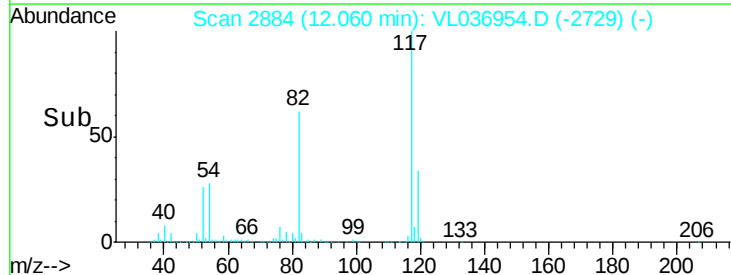
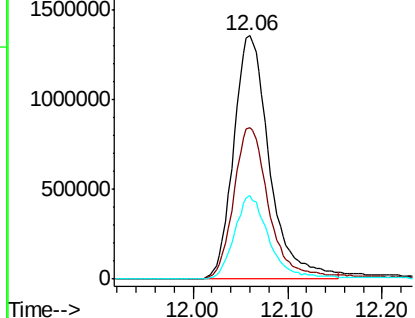


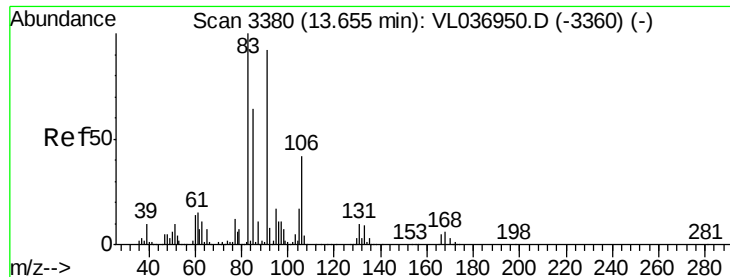
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036954.D
Acq: 18 May 2021 4:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.8	52.6	79.0
119	34.1	46.6	70.0#



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V





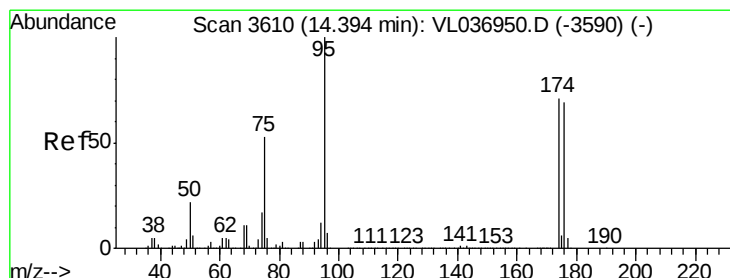
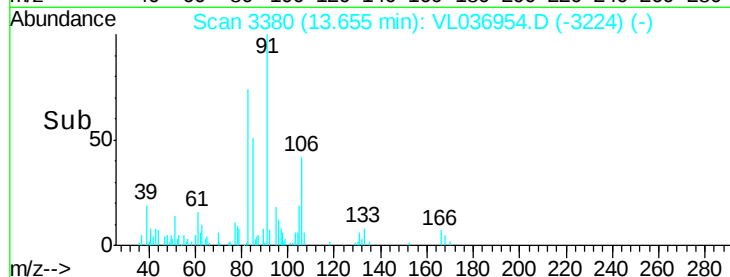
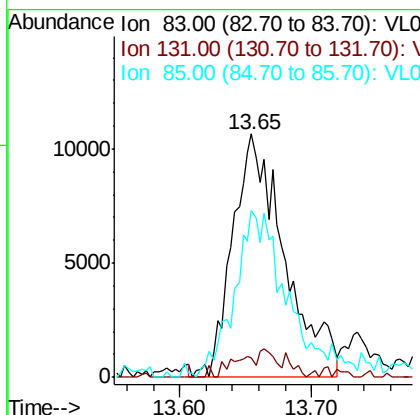
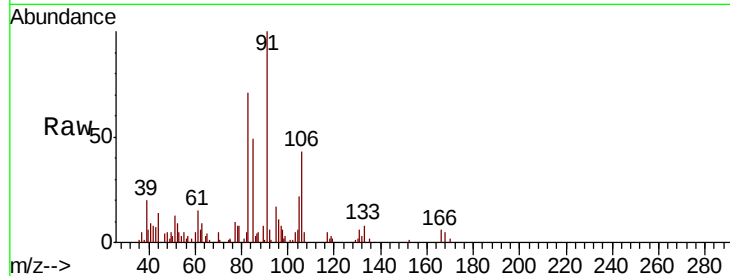
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.080 ppbv m
 RT: 13.65 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VL036954.D
 Acq: 18 May 2021 4:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	73.4	32.9	98.6

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.575 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL036954.D
 Acq: 18 May 2021 4:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	58.4	87.6
175	5.8	4.4	6.6

