

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037168.D
 Acq On : 16 Jun 2021 11:56
 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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 6/17/2021 5:37:22 PM

Quant Time: Jun 16 12:29:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 12:29:44 2021
 QLast Update : Wed Jun 16 11:33:05 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1462169	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4404740	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3952533	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3027667	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	10154m	0.112	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	28800	0.114	ppbv	96
35) Carbon Tetrachloride	7.02	117	25970	0.096	ppbv	96
38) Trichloroethene	7.84	130	18360m	0.122	ppbv	
52) Tetrachloroethene	11.23	164	17063m	0.118	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	30623m	0.108	ppbv	

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

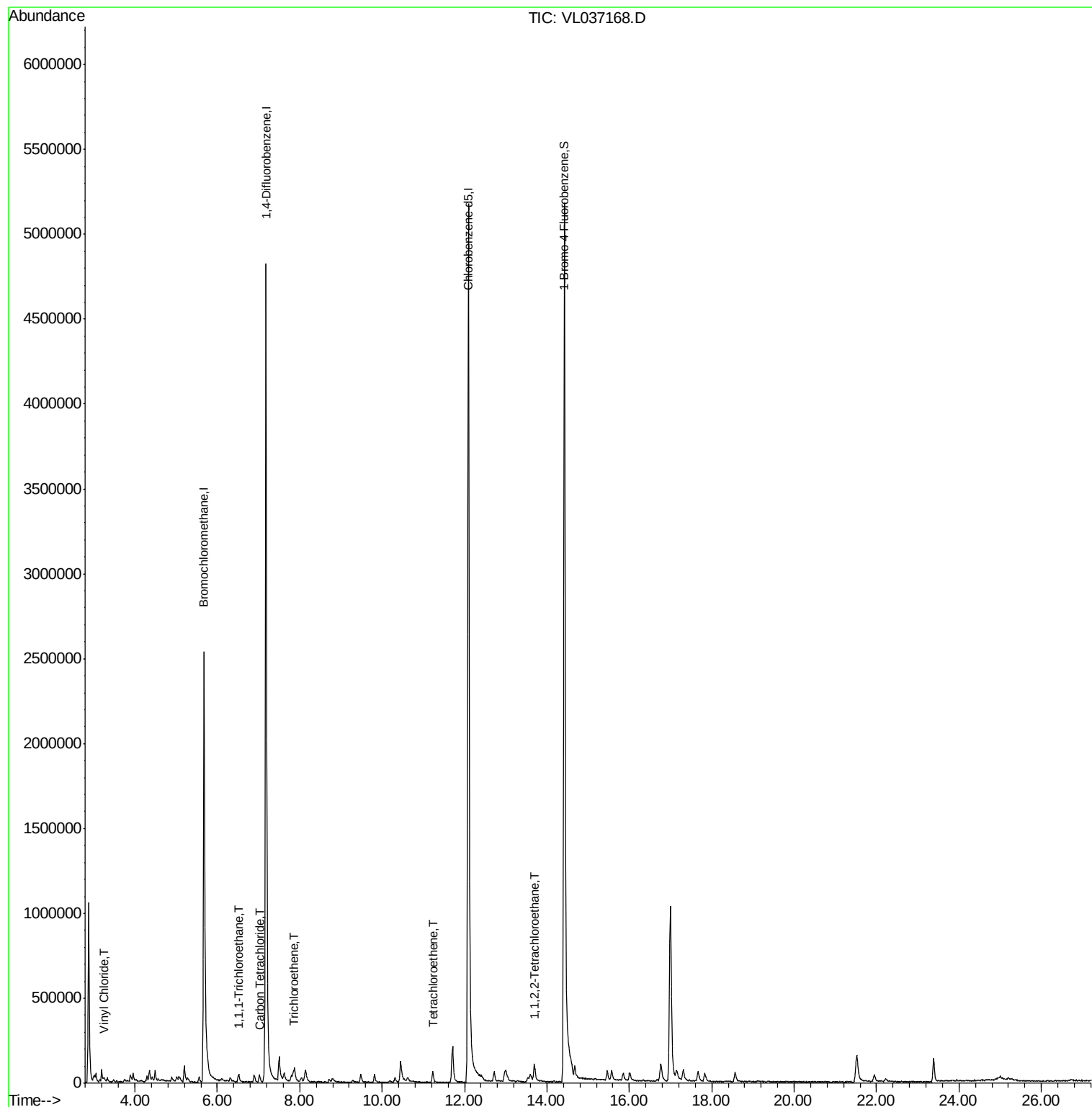
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061621\
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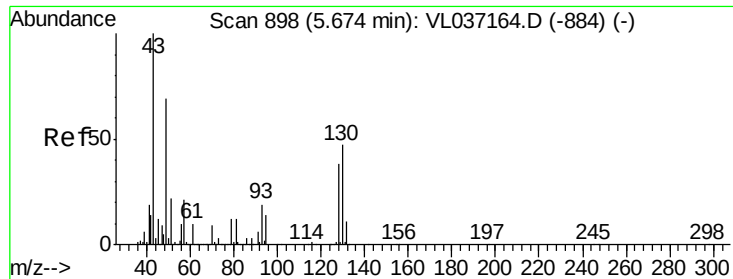
Instrument :
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ClientSampleId :
VSTDIC0.1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
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QLast Update : Wed Jun 16 11:33:05 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL037168.D

Acq: 16 Jun 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1462169

Ion Ratio Lower Upper

49 100

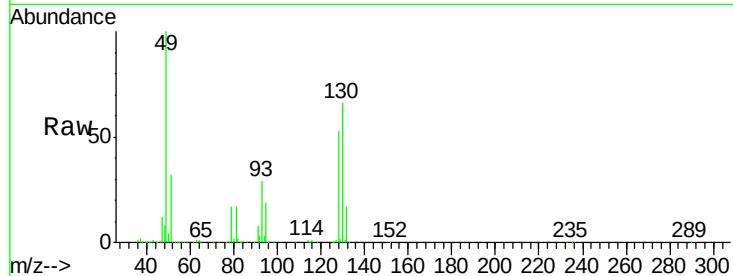
128 57.1 29.3 88.0

130 76.5 35.9 107.8

Manual Integrations
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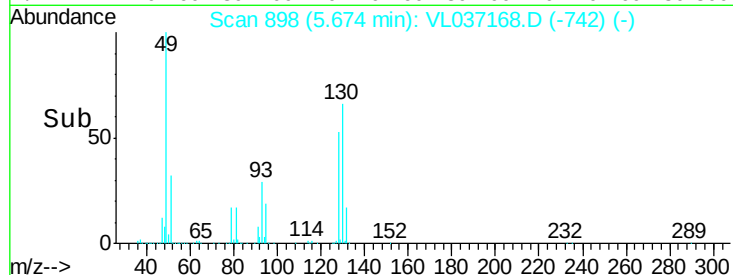
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

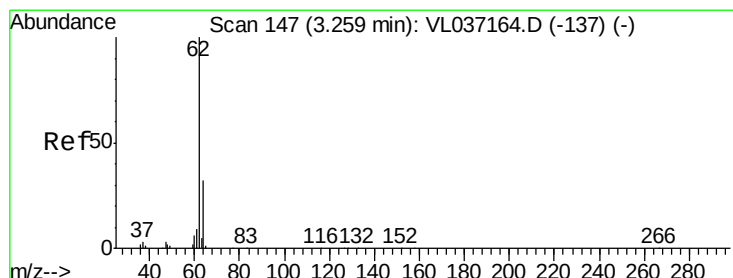
Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



Time-->



#5

Vinyl Chloride

Concen: 0.112 ppbv m

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL037168.D

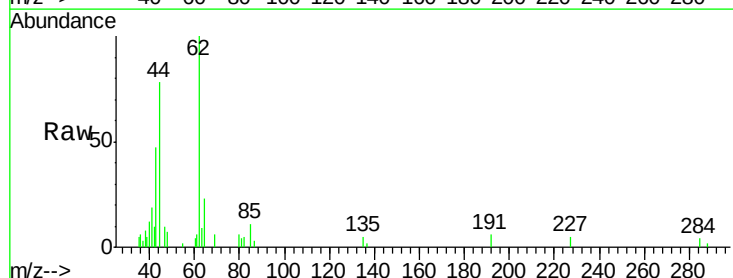
Acq: 16 Jun 2021 11:56

Tgt Ion: 62 Resp: 10154

Ion Ratio Lower Upper

62 100

64 23.1 25.6 38.4#

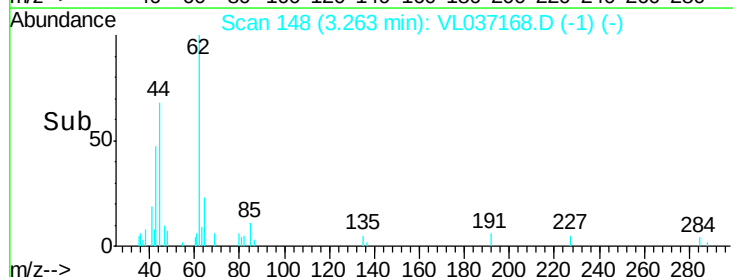


Abundance Ion 62.10 (61.80 to 62.80): VL0

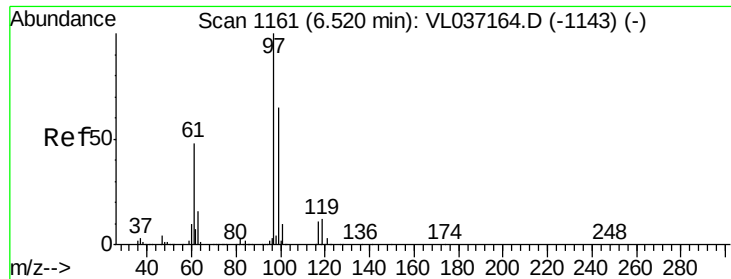
Ion 64.10 (63.80 to 64.80): VL0

3.26

Time-->



Time-->



#32

1,1,1-Trichloroethane

Concen: 0.114 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VL037168.D

Acq: 16 Jun 2021 11:56

Instrument :

MSVOA_L

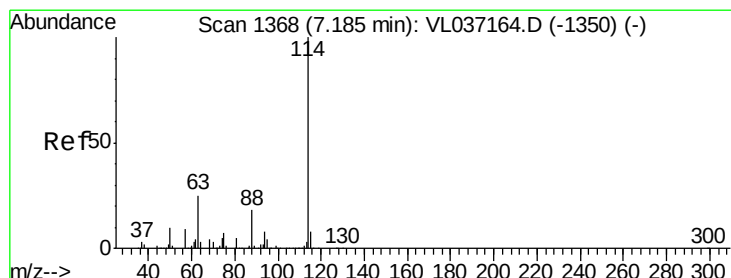
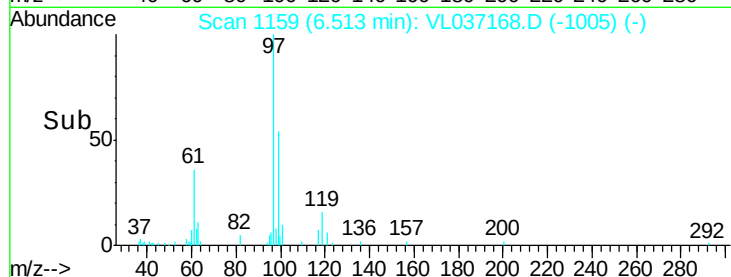
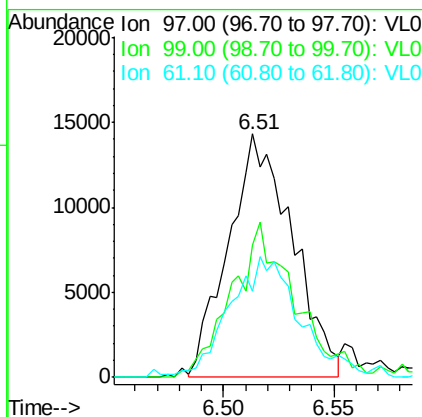
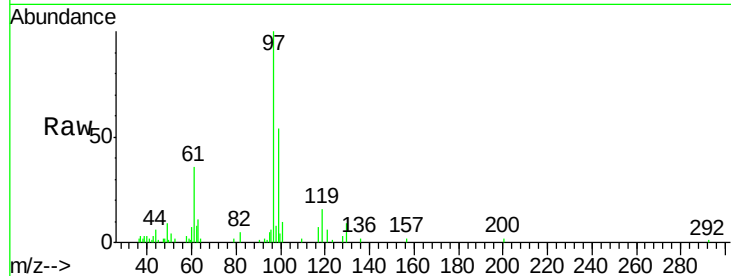
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	28800
Ion Ratio	Lower	Upper	
97	100		
99	65.2	52.2	78.4
61	55.2	38.8	58.2

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

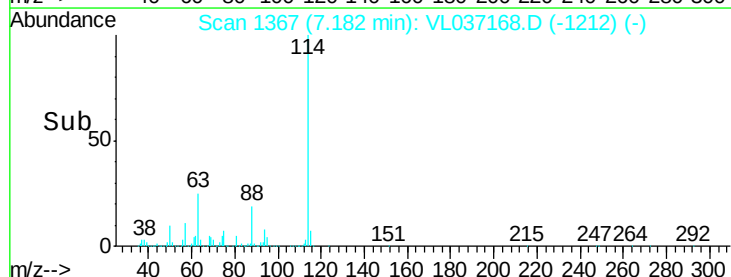
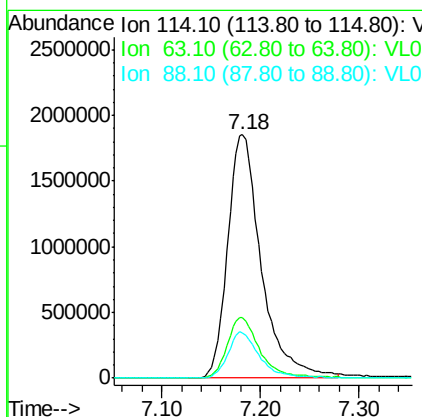
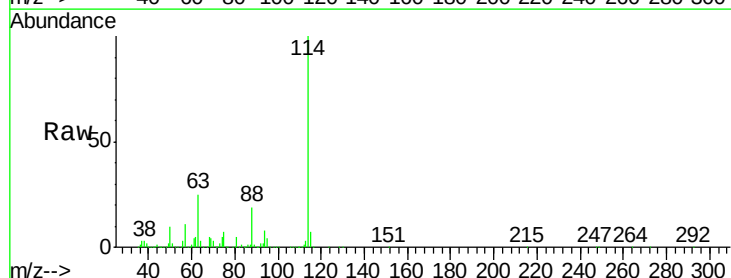
RT: 7.18 min Scan# 1367

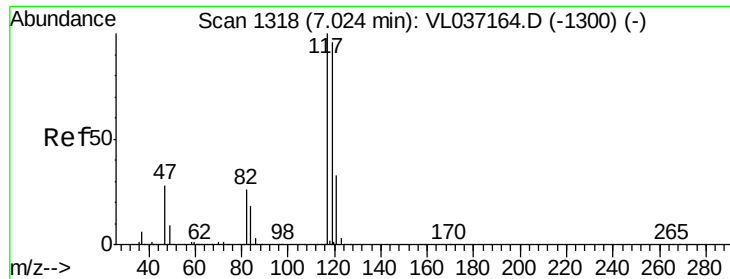
Delta R.T. -0.00 min

Lab File: VL037168.D

Acq: 16 Jun 2021 11:56

Tgt Ion:	114	Resp:	4404740
Ion Ratio	Lower	Upper	
114	100		
63	24.8	19.6	29.4
88	18.1	14.2	21.2





#35

Carbon Tetrachloride

Concen: 0.096 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL037168.D

Acq: 16 Jun 2021 11:56

Instrument :

MSVOA_L

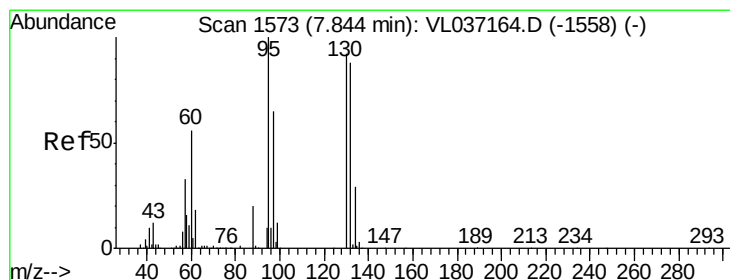
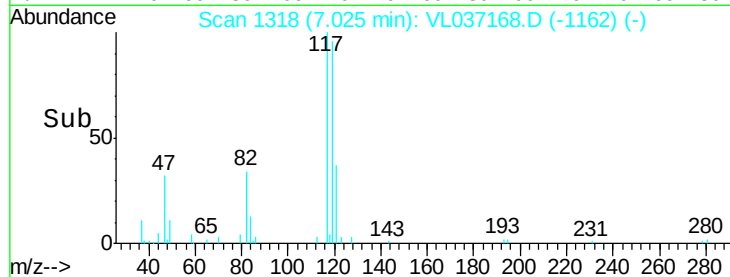
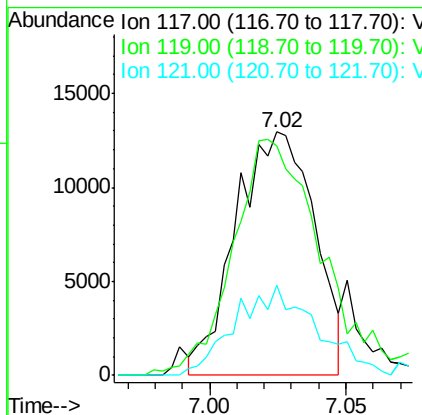
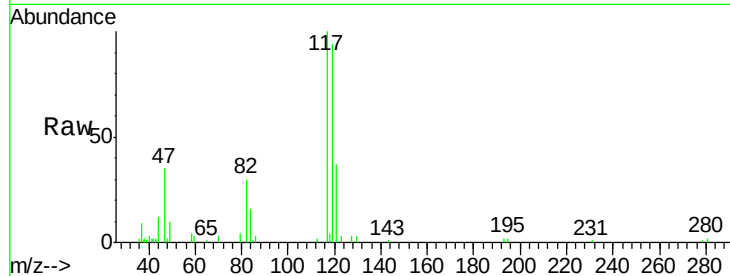
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	25970
Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.6	114.8
121	37.2	26.4	39.6

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#38

Trichloroethene

Concen: 0.122 ppbv m

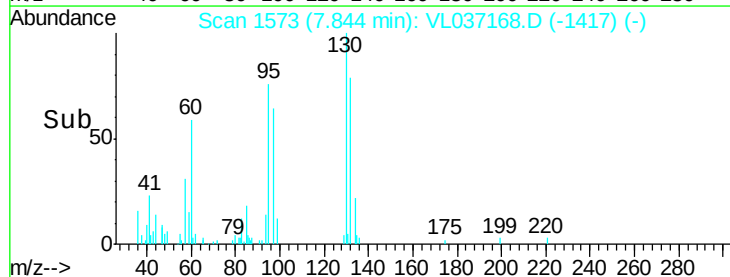
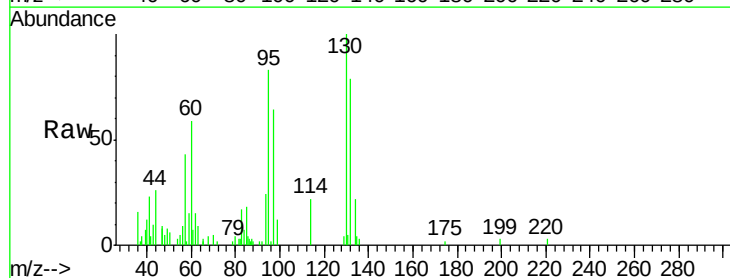
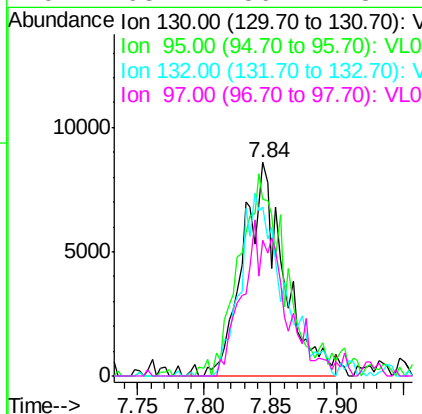
RT: 7.84 min Scan# 1573

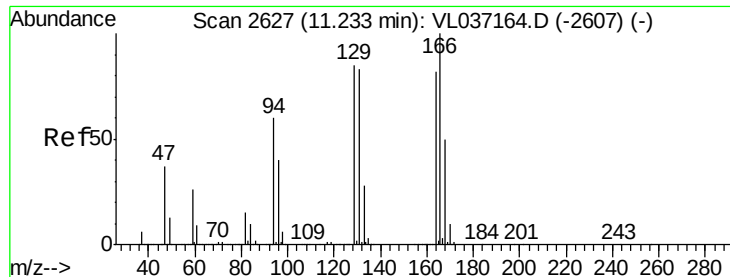
Delta R.T. 0.00 min

Lab File: VL037168.D

Acq: 16 Jun 2021 11:56

Tgt Ion:	130	Resp:	18360
Ion	Ratio	Lower	Upper
130	100		
95	82.8	86.6	129.8#
132	79.0	76.6	114.8
97	63.7	56.1	84.1





#52

Tetrachloroethene

Concen: 0.118 ppbv m

RT: 11.23 min Scan# 2627

Delta R.T. 0.00 min

Lab File: VL037168.D

Acq: 16 Jun 2021 11:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 17063

Ion Ratio Lower Upper

164 100

166 130.3 97.6 146.4

129 109.7 82.9 124.3

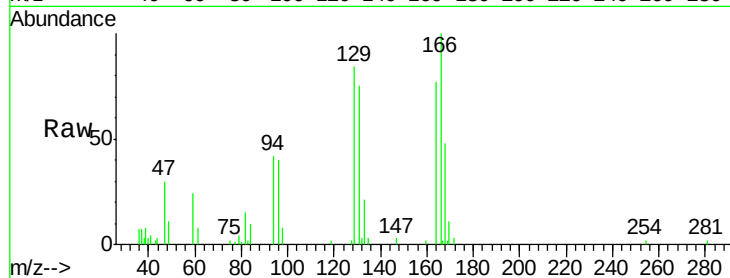
131 97.7 80.6 120.8

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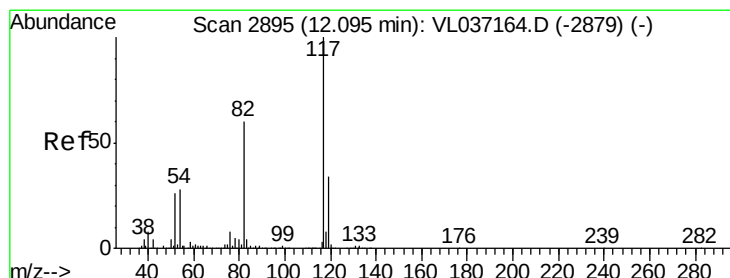
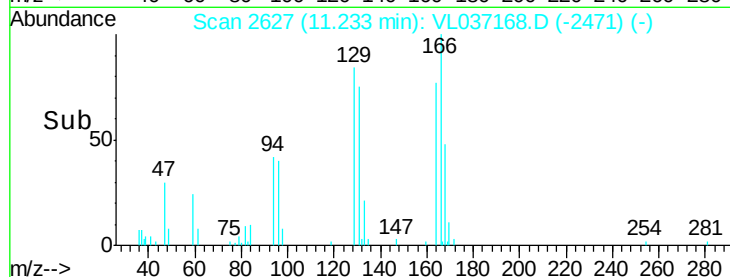
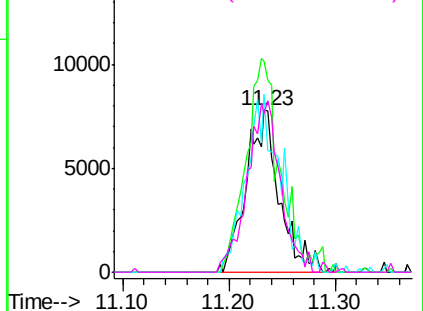


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL037168.D

Acq: 16 Jun 2021 11:56

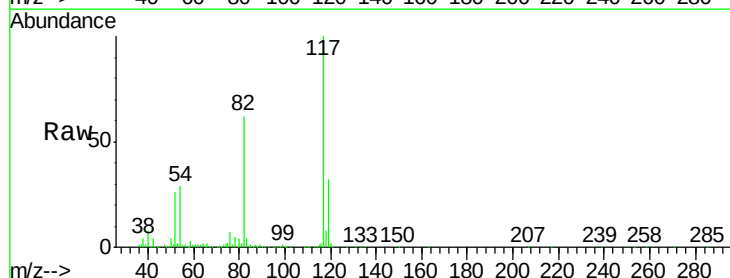
Tgt Ion:117 Resp: 3952533

Ion Ratio Lower Upper

117 100

82 64.9 51.7 77.5

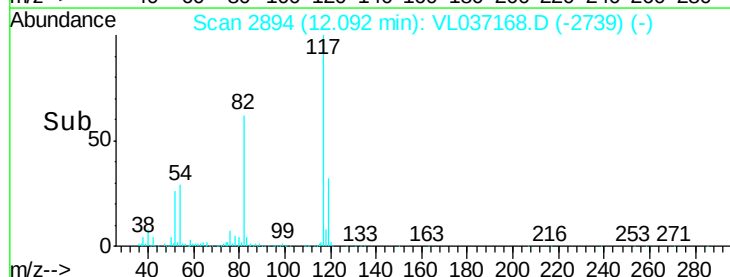
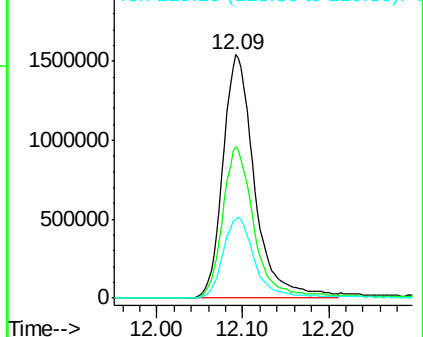
119 33.9 47.6 71.4#

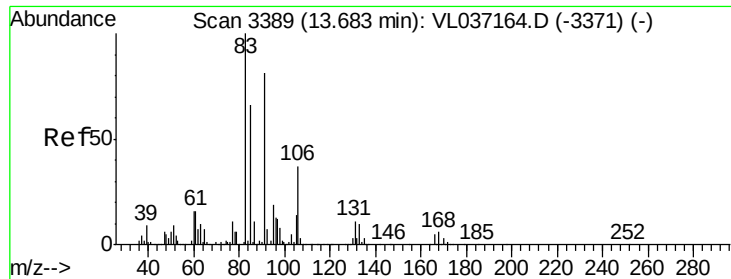


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





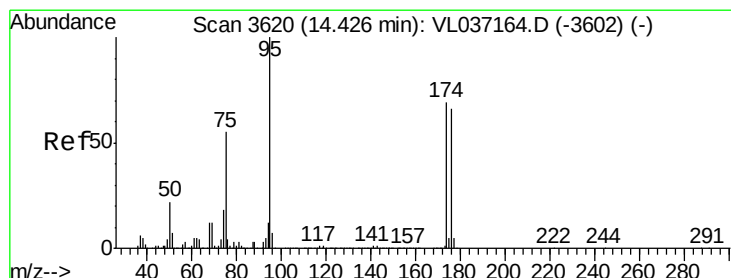
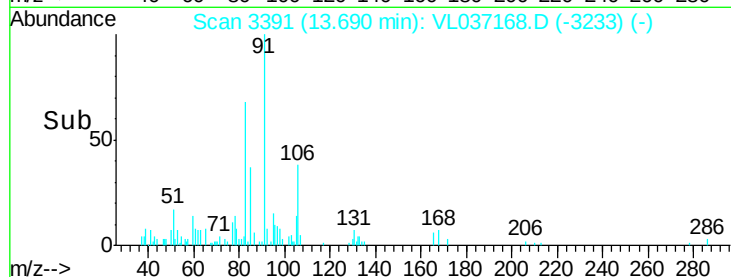
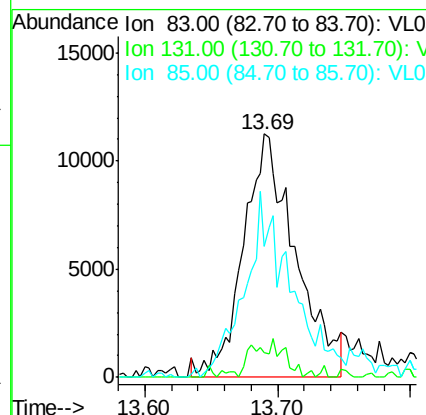
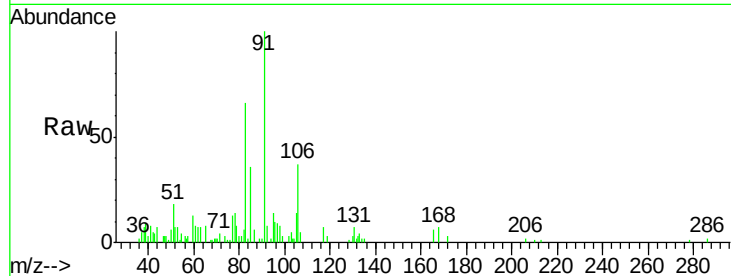
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.108 ppbv m
 RT: 13.69 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: VL037168.D
 Acq: 16 Jun 2021 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.4	16.2#
85	74.4	33.1	99.2

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.400 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL037168.D
 Acq: 16 Jun 2021 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.1	57.0	85.4
175	5.1	4.4	6.6

