

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036068.D
 Acq On : 7 Dec 2020 15:00
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Quant Time: Dec 07 15:45:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 15:45:27 2020
 QLast Update : Mon Dec 07 13:39:30 2020
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1322861	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2966843	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2618523	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2144980	10.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	8685m	0.090	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	19841m	0.078	ppbv	
35) Carbon Tetrachloride	7.04	117	16462m	0.106	ppbv	
38) Trichloroethene	7.85	130	10827m	0.119	ppbv	
52) Tetrachloroethene	11.25	164	9327m	0.119	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	21060m	0.105	ppbv	

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

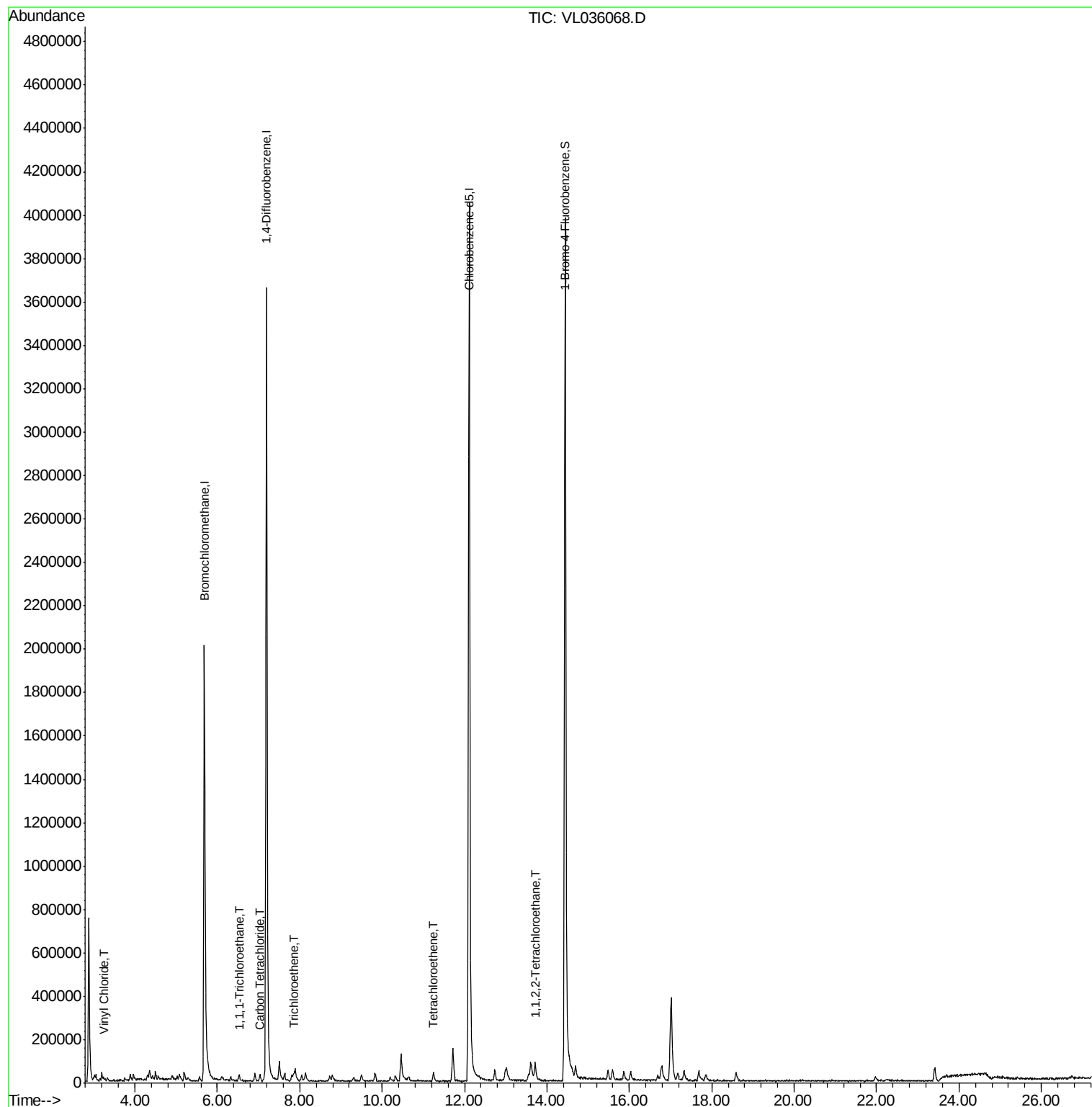
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120720\
Data File : VL036068.D
Acq On : 7 Dec 2020 15:00
Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

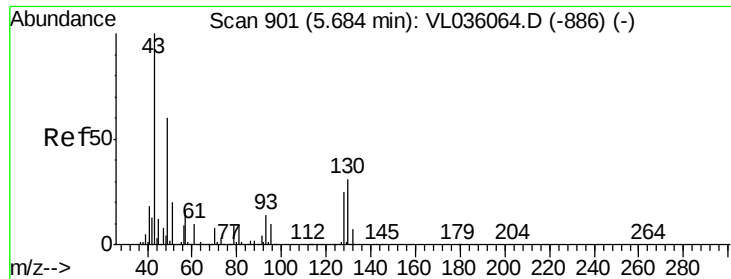
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Manual Integrations
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Quant Time: Dec 07 15:45:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 13:39:30 2020
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036068.D

Acq: 7 Dec 2020 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1322861

Ion Ratio Lower Upper

49 100

128 40.7 21.1 63.1

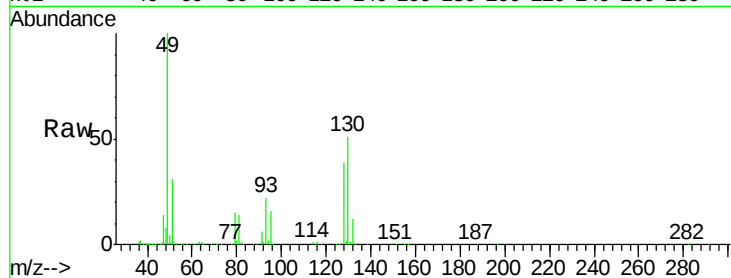
130 52.3 27.1 81.3

Manual Integrations

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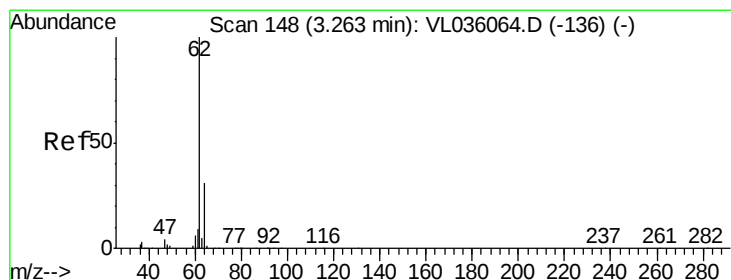
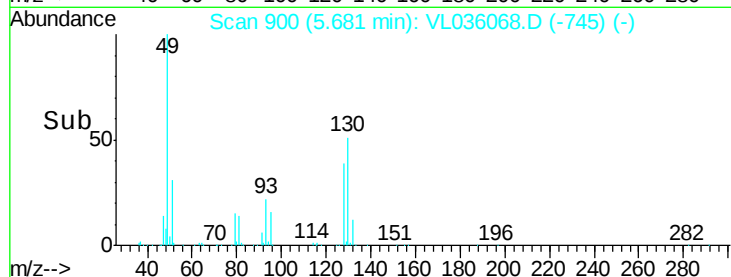
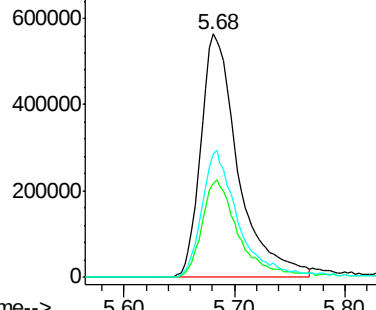
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.090 ppbv m

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL036068.D

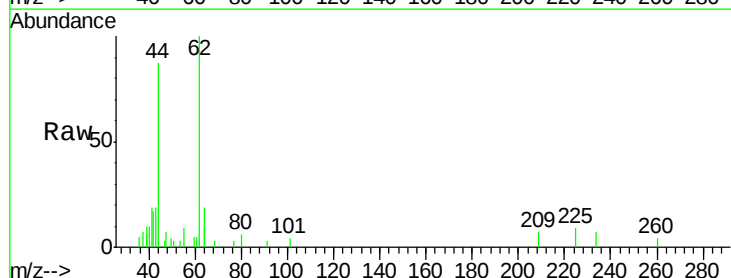
Acq: 7 Dec 2020 15:00

Tgt Ion: 62 Resp: 8685

Ion Ratio Lower Upper

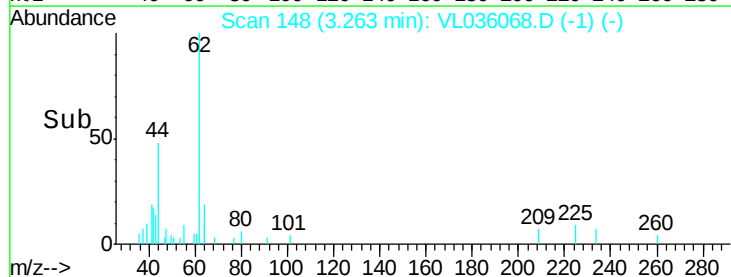
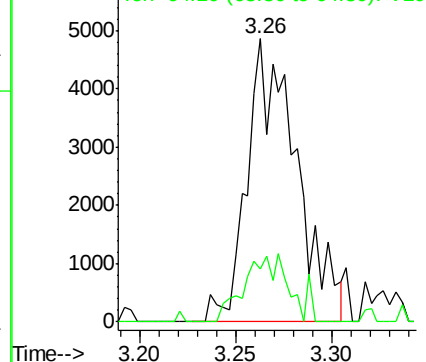
62 100

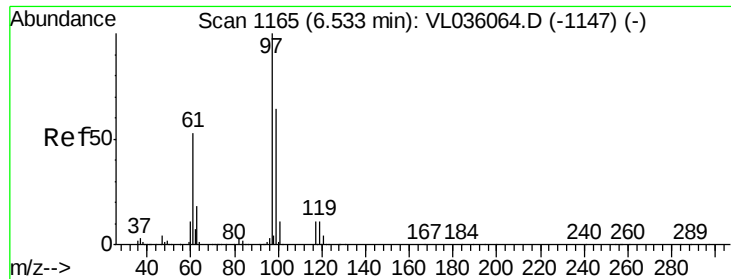
64 18.8 24.5 36.7#



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: 0.078 ppbv m

RT: 6.53 min Scan# 1163

Delta R.T. -0.01 min

Lab File: VL036068.D

Acq: 7 Dec 2020 15:00

Instrument :

MSVOA_L

ClientSampleId :

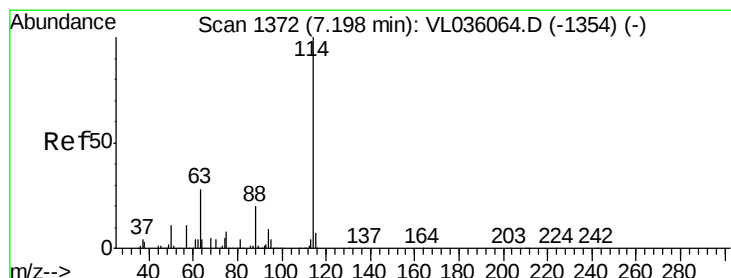
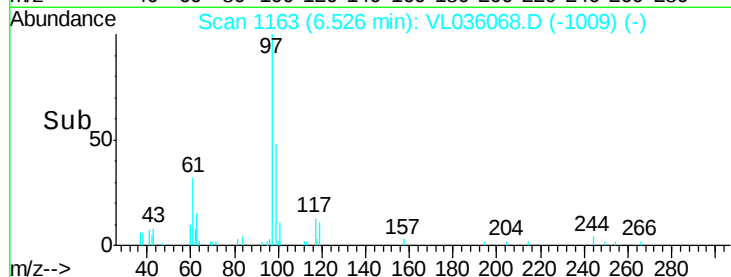
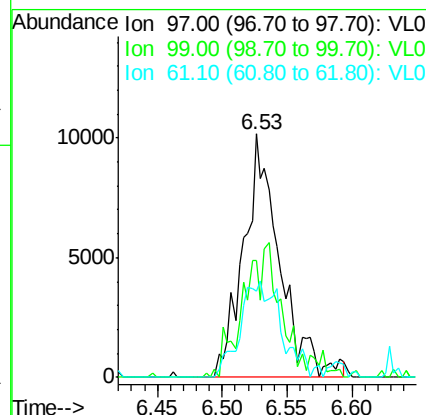
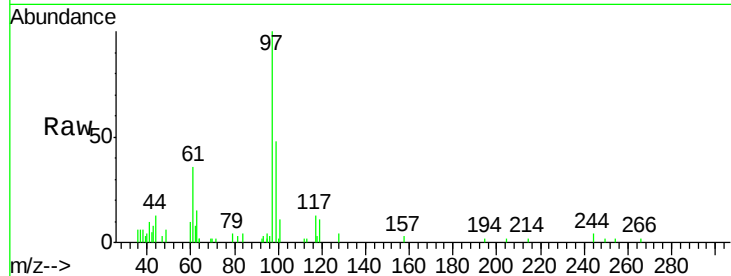
VSTDIC0.1

Tot Ion:	97	Resp:	19841
Ion	Ratio	Lower	Upper
97	100		
99	60.5	52.4	78.6
61	45.4	43.4	65.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

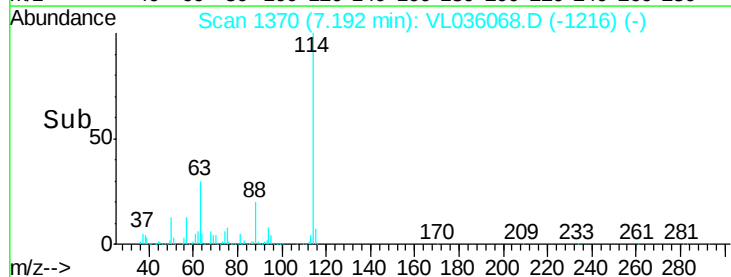
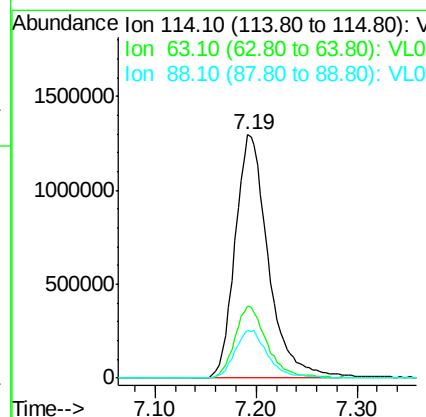
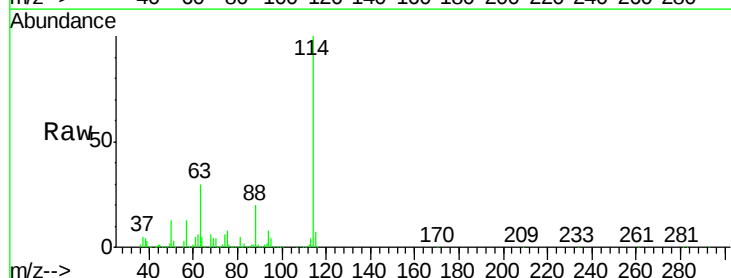
RT: 7.19 min Scan# 1370

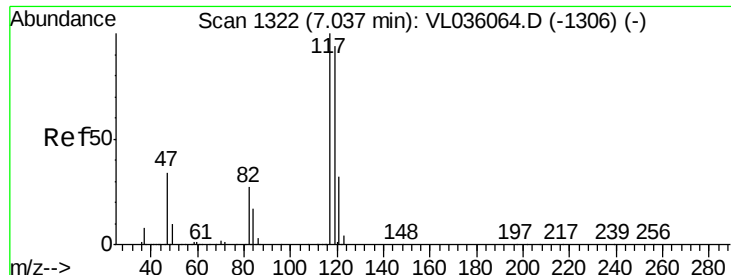
Delta R.T. -0.01 min

Lab File: VL036068.D

Acq: 7 Dec 2020 15:00

Tgt Ion:	114	Resp:	2966843
Ion	Ratio	Lower	Upper
114	100		
63	29.4	23.6	35.4
88	19.7	15.8	23.6





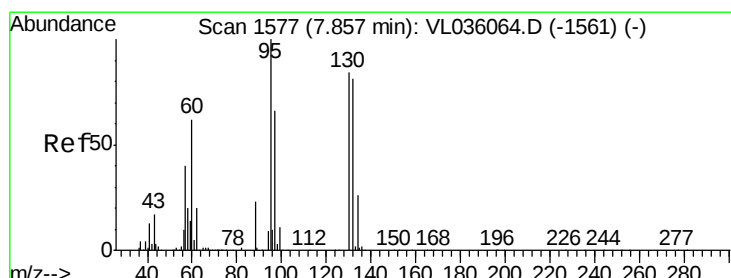
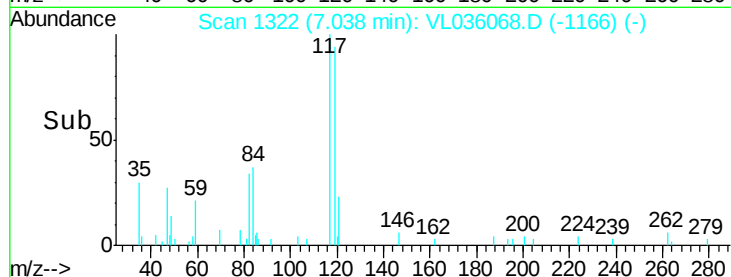
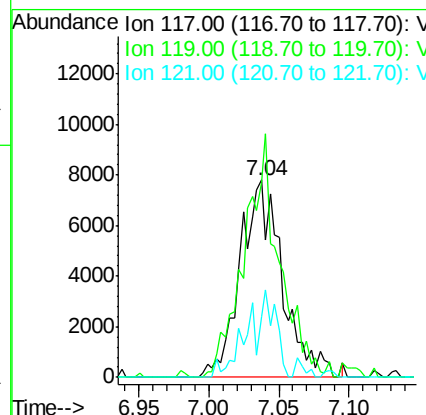
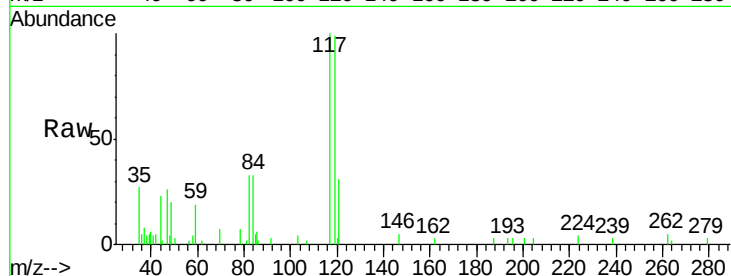
#35
Carbon Tetrachloride
Concen: 0.106 ppbv m
RT: 7.04 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VL036068.D
Acq: 7 Dec 2020 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.1	75.1	112.7
121	30.8	25.6	38.4

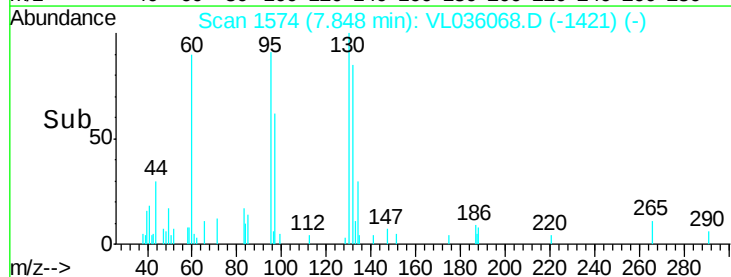
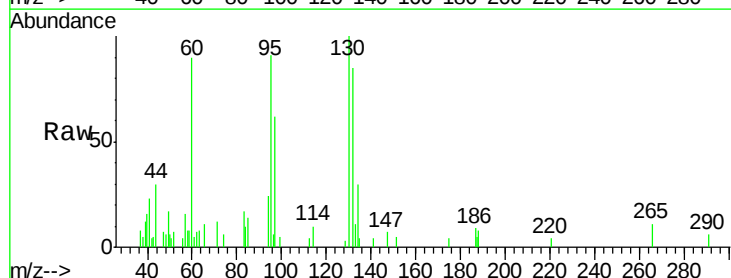
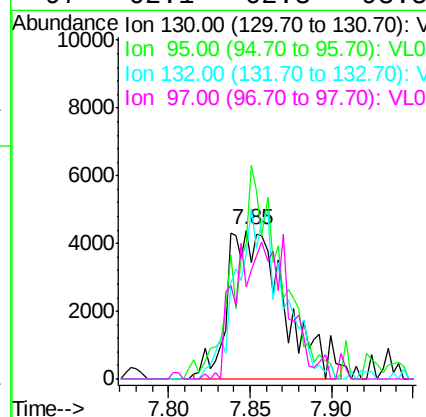
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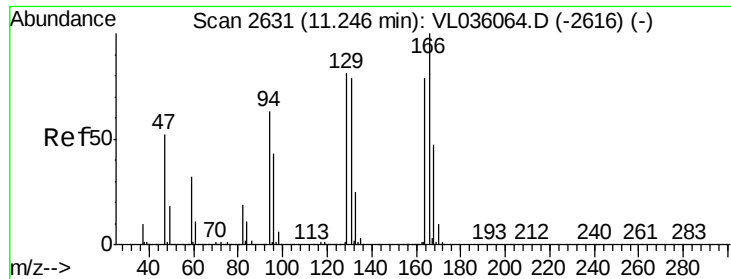
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#38
Trichloroethene
Concen: 0.119 ppbv m
RT: 7.85 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL036068.D
Acq: 7 Dec 2020 15:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	95.2	142.8#
132	84.7	76.9	115.3
97	62.1	62.3	93.5#





#52

Tetrachloroethene

Concen: 0.119 ppbv m

RT: 11.25 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL036068.D

Acq: 7 Dec 2020 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 9327

Ion Ratio Lower Upper

164 100

166 50.0 101.9 152.9#

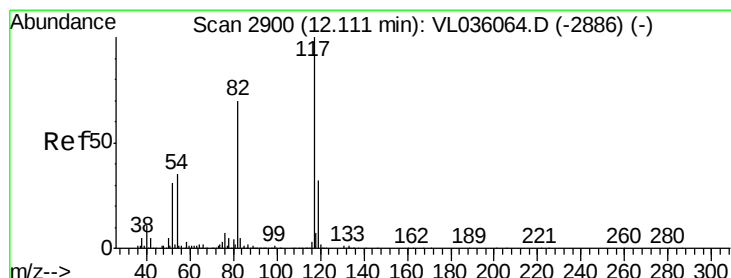
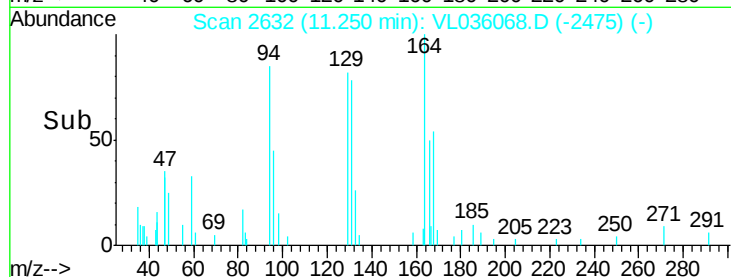
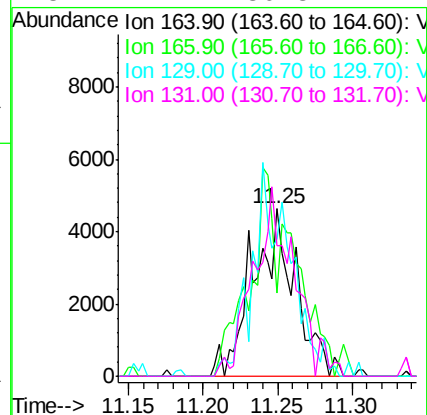
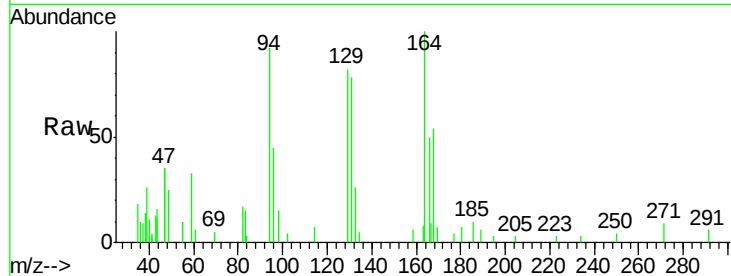
129 82.0 82.1 123.1#

131 77.7 80.8 121.2#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL036068.D

Acq: 7 Dec 2020 15:00

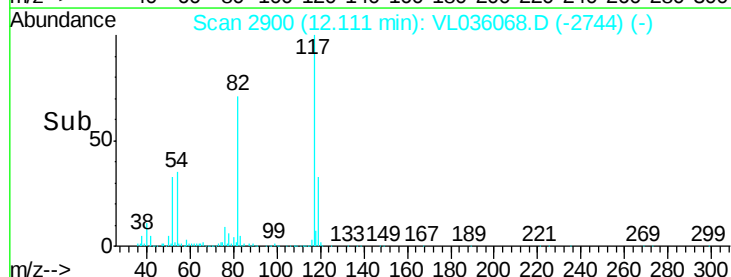
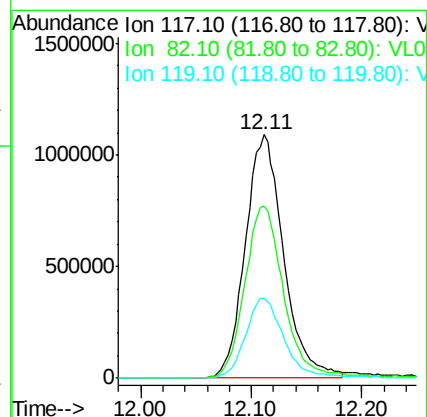
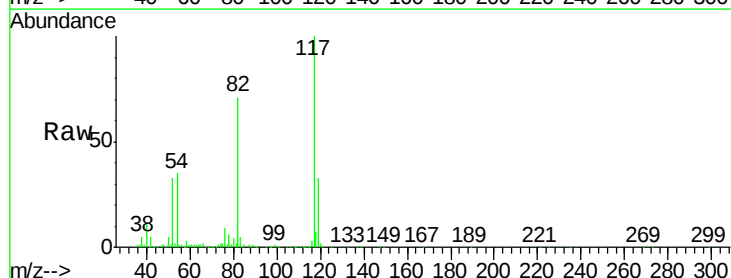
Tgt Ion:117 Resp: 2618523

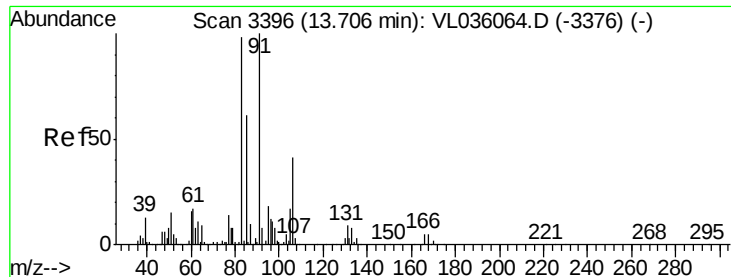
Ion Ratio Lower Upper

117 100

82 73.4 0.0 0.0#

119 33.1 0.0 0.0#





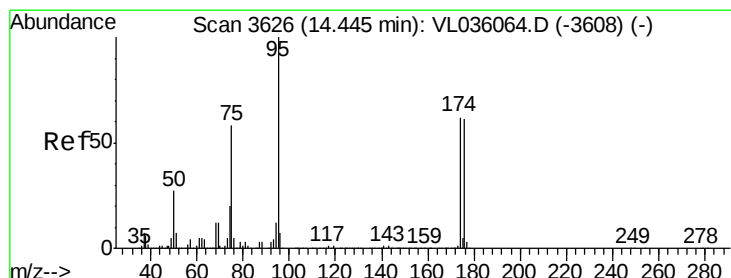
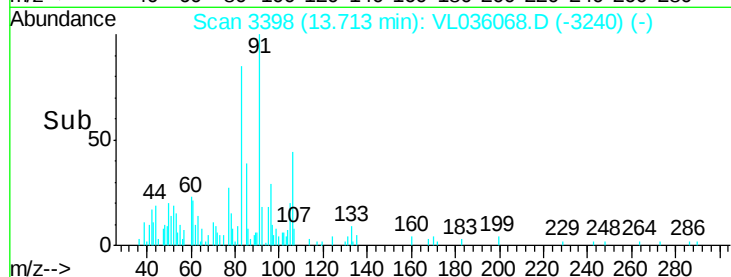
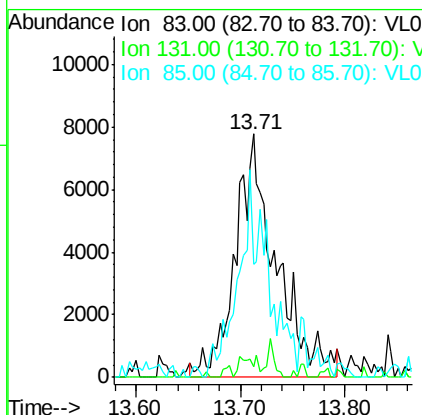
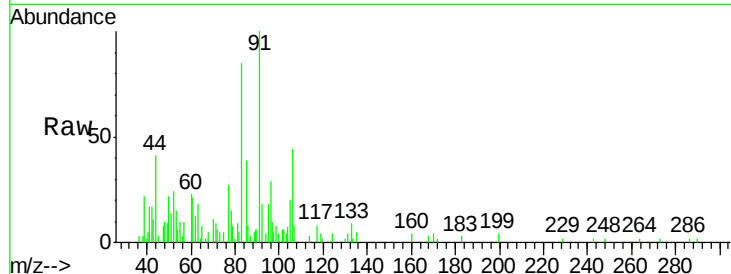
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.105 ppbv m
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VL036068.D
 Acq: 7 Dec 2020 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	83	Resp	21060
Ion Ratio	100	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	0.0	32.5	97.5#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.721 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL036068.D
 Acq: 7 Dec 2020 15:00

Tgt Ion	95	Resp	2144980
Ion Ratio	100	Lower	Upper
95	100		
174	63.8	50.7	76.1
175	4.8	4.0	6.0

