

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035708.D
 Acq On : 23 Sep 2020 5:53
 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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 9/24/2020 1:35:19 PM

Quant Time: Sep 23 06:28:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 05:25:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1211357	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4500226	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4466457	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3406748	10.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	8758m	0.100	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	22581m	0.086	ppbv	
35) Carbon Tetrachloride	7.03	117	23367	0.103	ppbv	94
38) Trichloroethene	7.84	130	13857m	0.082	ppbv	
52) Tetrachloroethene	11.24	164	14203m	0.085	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	31555	0.103	ppbv	97

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

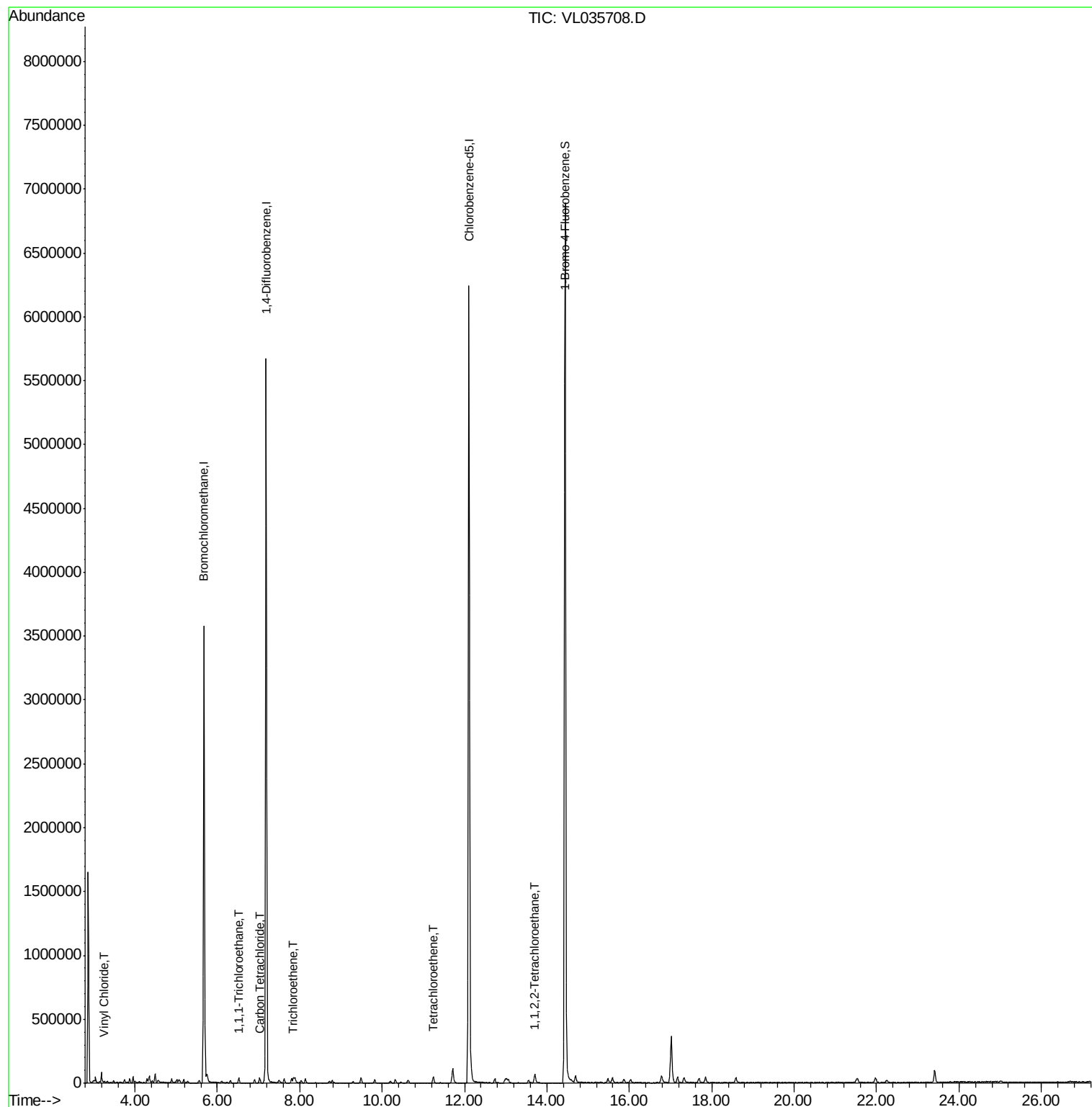
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092320\
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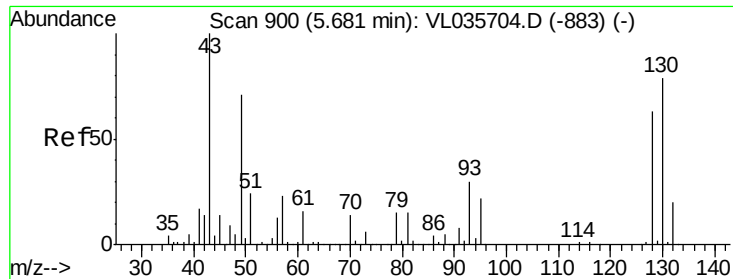
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
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QLast Update : Wed Sep 23 05:25:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL035708.D

Acq: 23 Sep 2020 5:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCO.1

Tot Ion: 49 Resp: 1211357

Ion Ratio Lower Upper

49 100

128 85.7 43.1 129.4

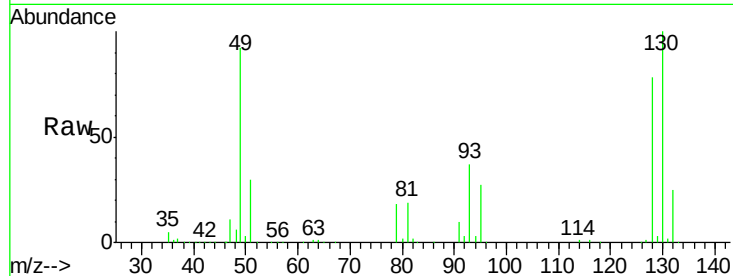
130 108.8 54.9 164.7

Manual Integrations

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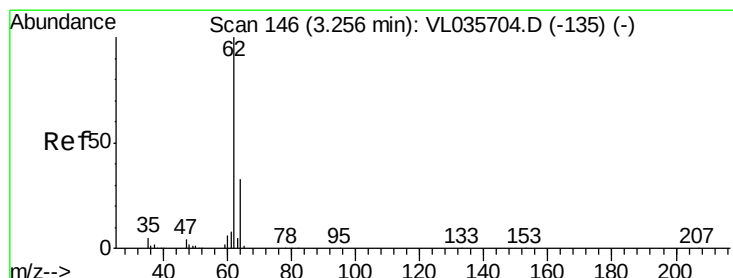
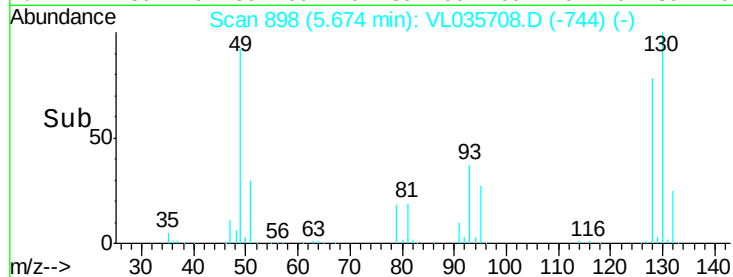
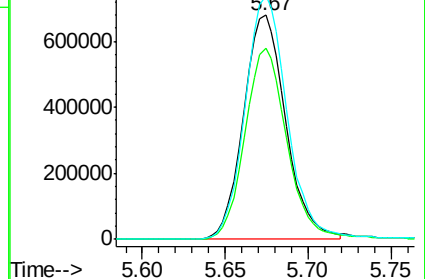
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.100 ppbv m

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035708.D

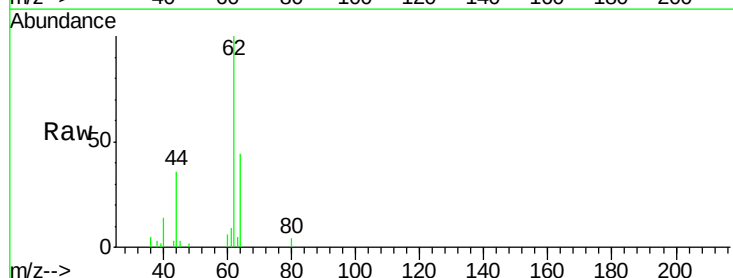
Acq: 23 Sep 2020 5:53

Tgt Ion: 62 Resp: 8758

Ion Ratio Lower Upper

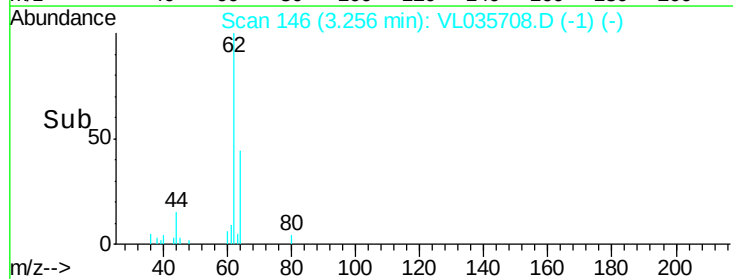
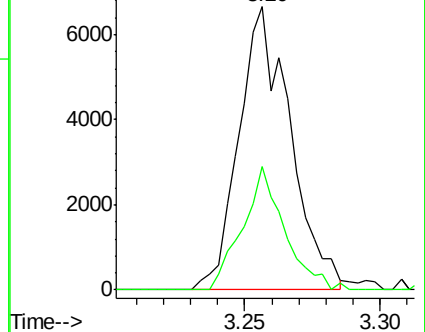
62 100

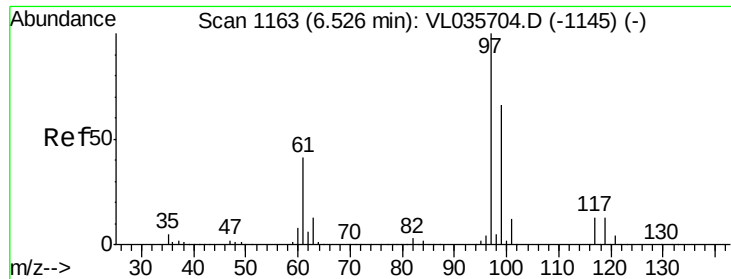
64 43.8 26.8 40.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





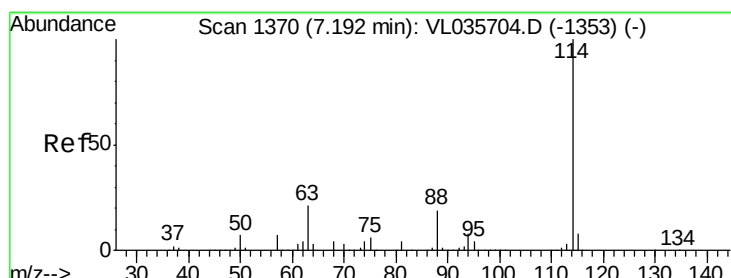
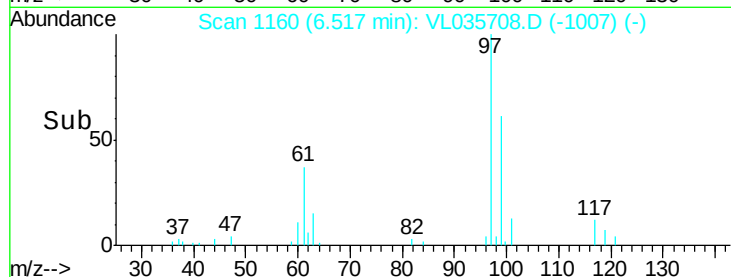
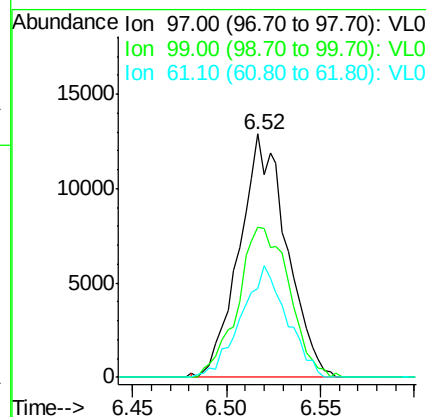
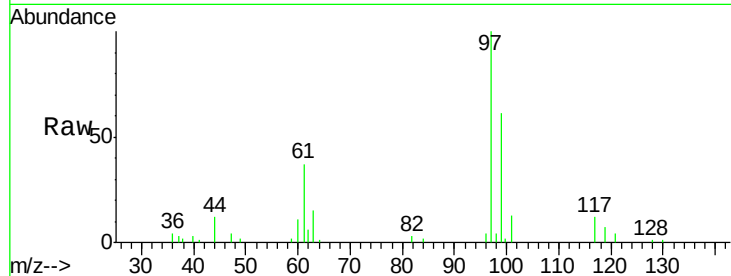
#32
 1,1,1-Trichloroethane
 Concen: 0.086 ppbv m
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VL035708.D
 Acq: 23 Sep 2020 5:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.7	79.1#
61	44.1	32.7	49.1

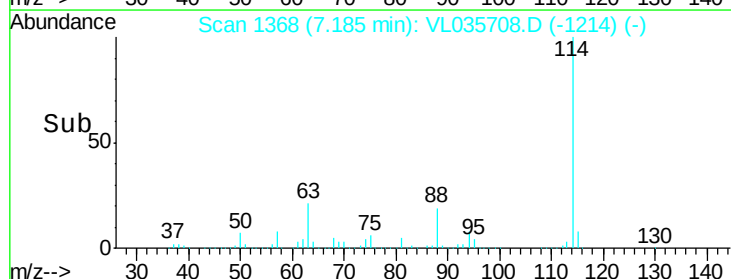
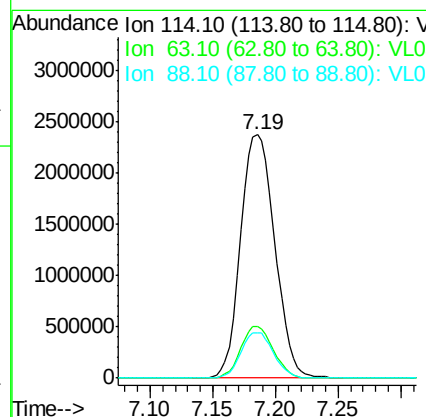
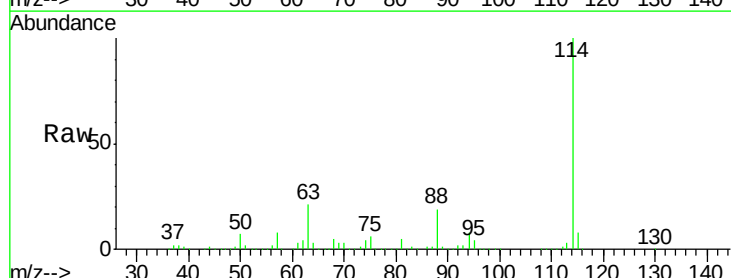
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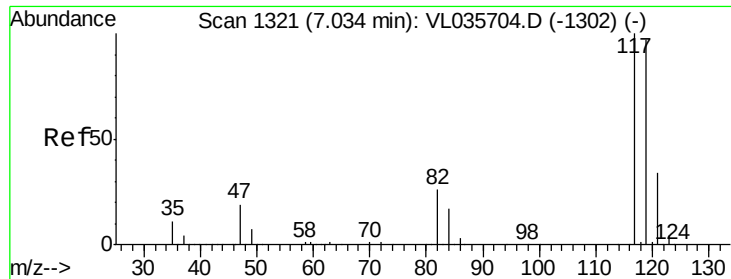
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VL035708.D
 Acq: 23 Sep 2020 5:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.1	24.1
88	17.8	14.1	21.1





#35

Carbon Tetrachloride

Concen: 0.103 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VL035708.D

Acq: 23 Sep 2020 5:53

Instrument :

MSVOA_L

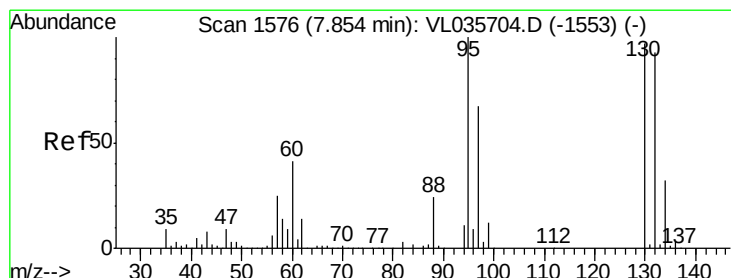
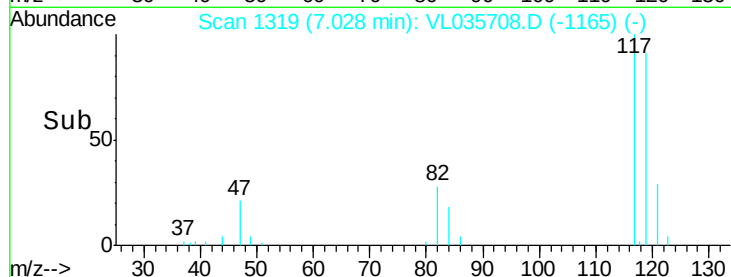
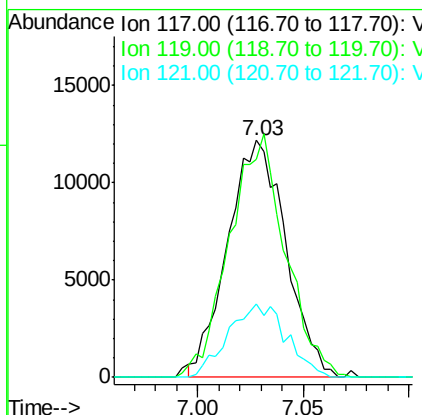
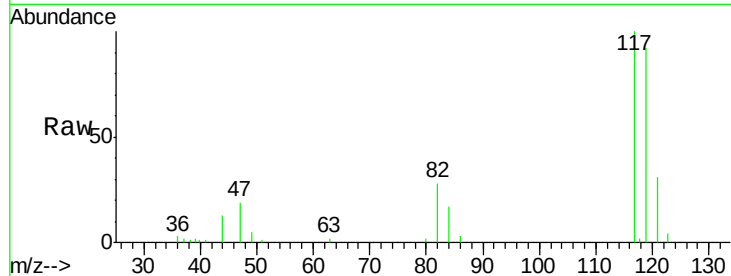
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	23367
Ion Ratio	Lower	Upper	
117	100		
119	90.8	77.7	116.5
121	31.2	26.9	40.3

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#38

Trichloroethene

Concen: 0.082 ppbv m

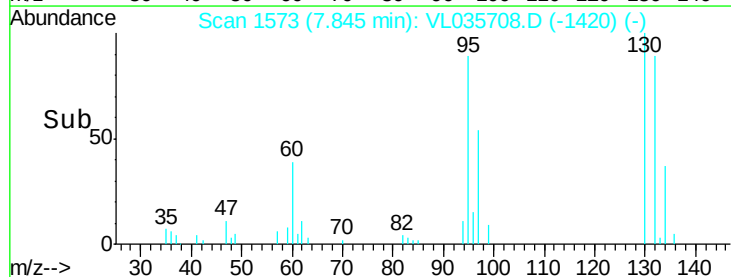
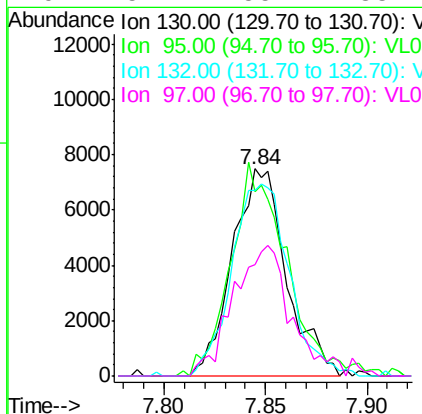
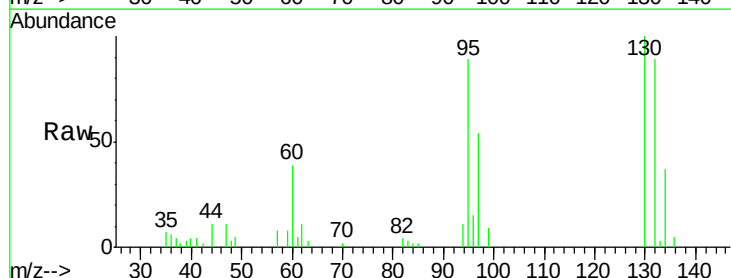
RT: 7.84 min Scan# 1573

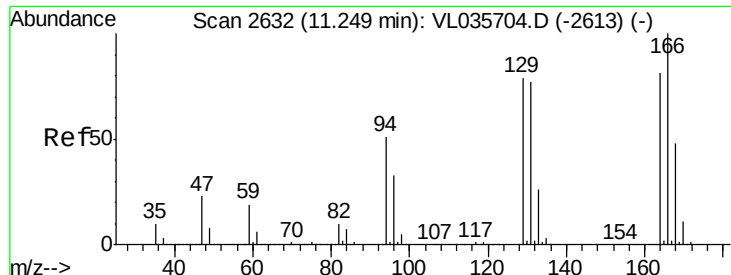
Delta R.T. -0.01 min

Lab File: VL035708.D

Acq: 23 Sep 2020 5:53

Tgt Ion:	130	Resp:	13857
Ion Ratio	Lower	Upper	
130	100		
95	88.9	82.4	123.6
132	89.5	76.8	115.2
97	54.1	55.4	83.2#





#52

Tetrachloroethene

Concen: 0.085 ppbv m

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL035708.D

Acq: 23 Sep 2020 5:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 14203

Ion Ratio Lower Upper

164 100

166 97.3 98.7 148.1#

129 83.4 78.4 117.6

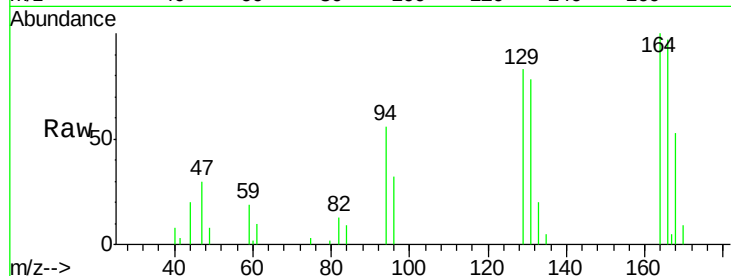
131 78.0 76.2 114.2

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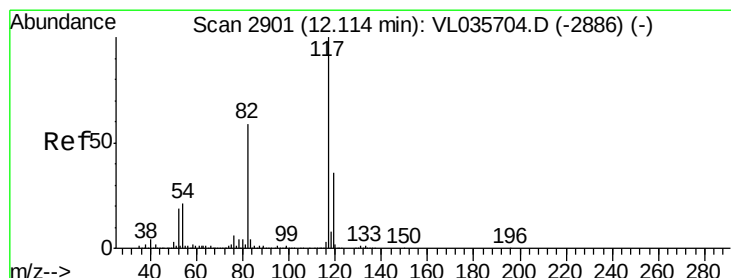
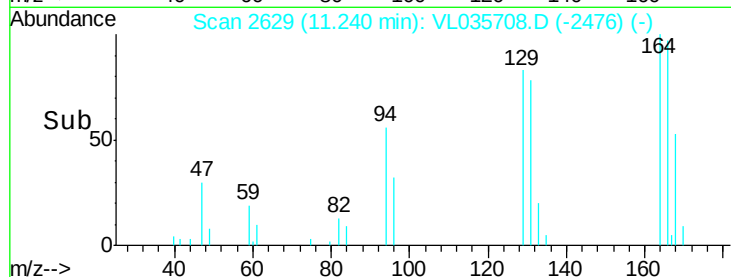
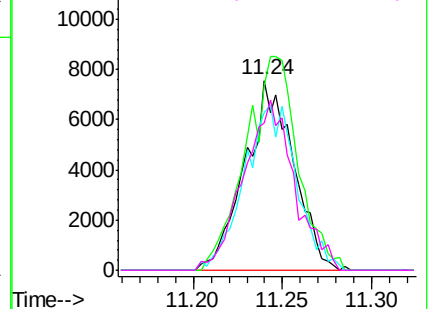


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.11 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL035708.D

Acq: 23 Sep 2020 5:53

Tgt Ion:117 Resp: 4466457

Ion Ratio Lower Upper

117 100

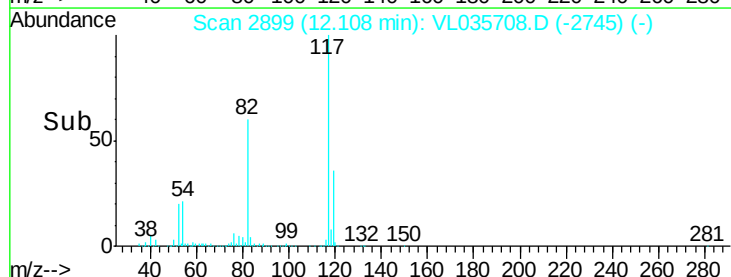
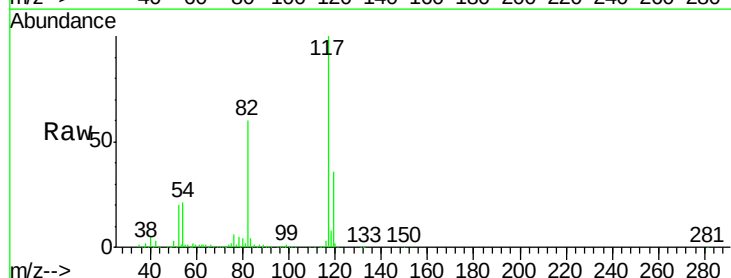
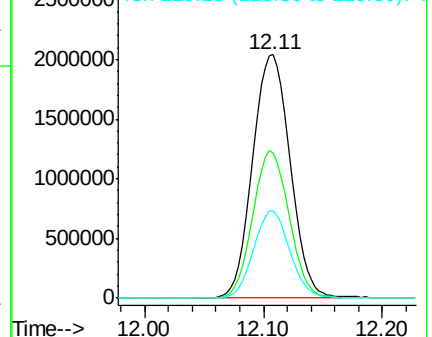
82 58.8 46.1 69.1

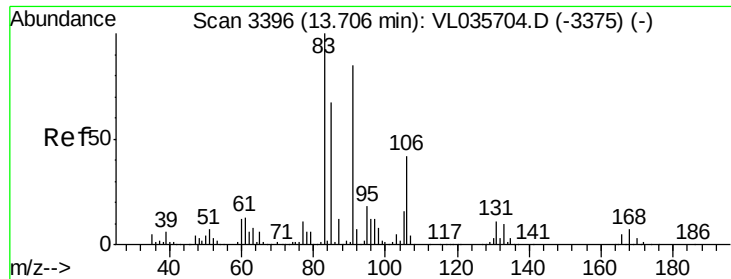
119 35.0 28.0 42.0

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: 0.103 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL035708.D

Acq: 23 Sep 2020 5:53

Instrument :

MSVOA_L

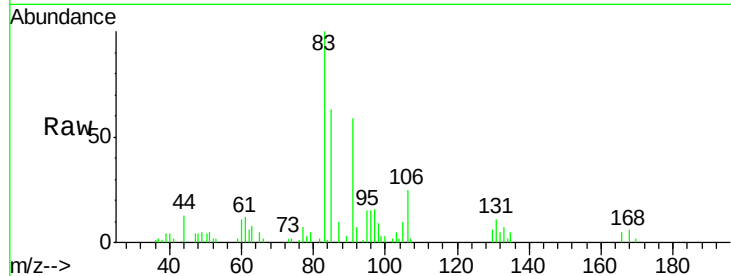
ClientSampleId :

VSTDIC0.1

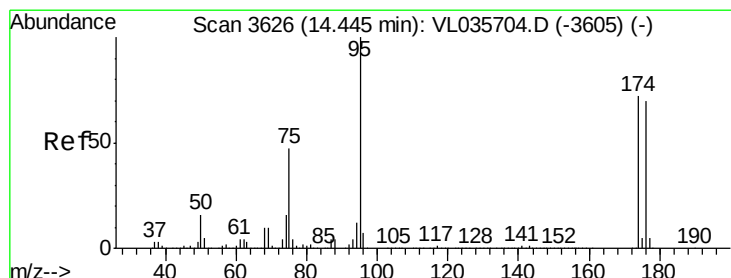
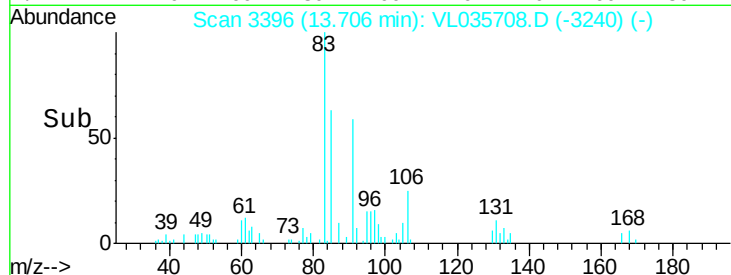
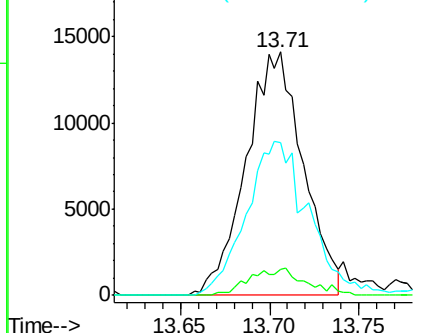
Tot Ion:	83	Resp:	31555
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	16.1
85	69.6	33.4	100.2

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.615 ppbv

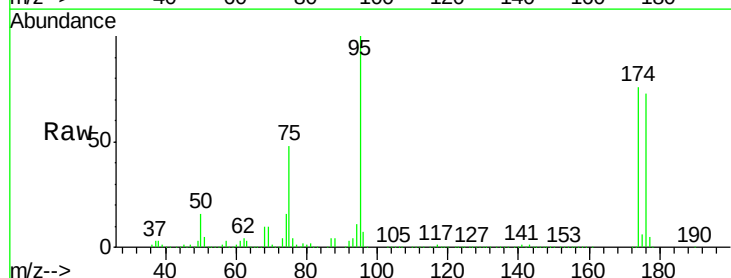
RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035708.D

Acq: 23 Sep 2020 5:53

Tgt Ion:	95	Resp:	3406748
Ion Ratio	Lower	Upper	
95	100		
174	76.5	59.6	89.4
175	5.5	4.2	6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

