

Data File : VL035673.D
Acq On : 18 Sep 2020 1:47
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Sep 18 02:36:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1045718	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4040396	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4050961	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2928670	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

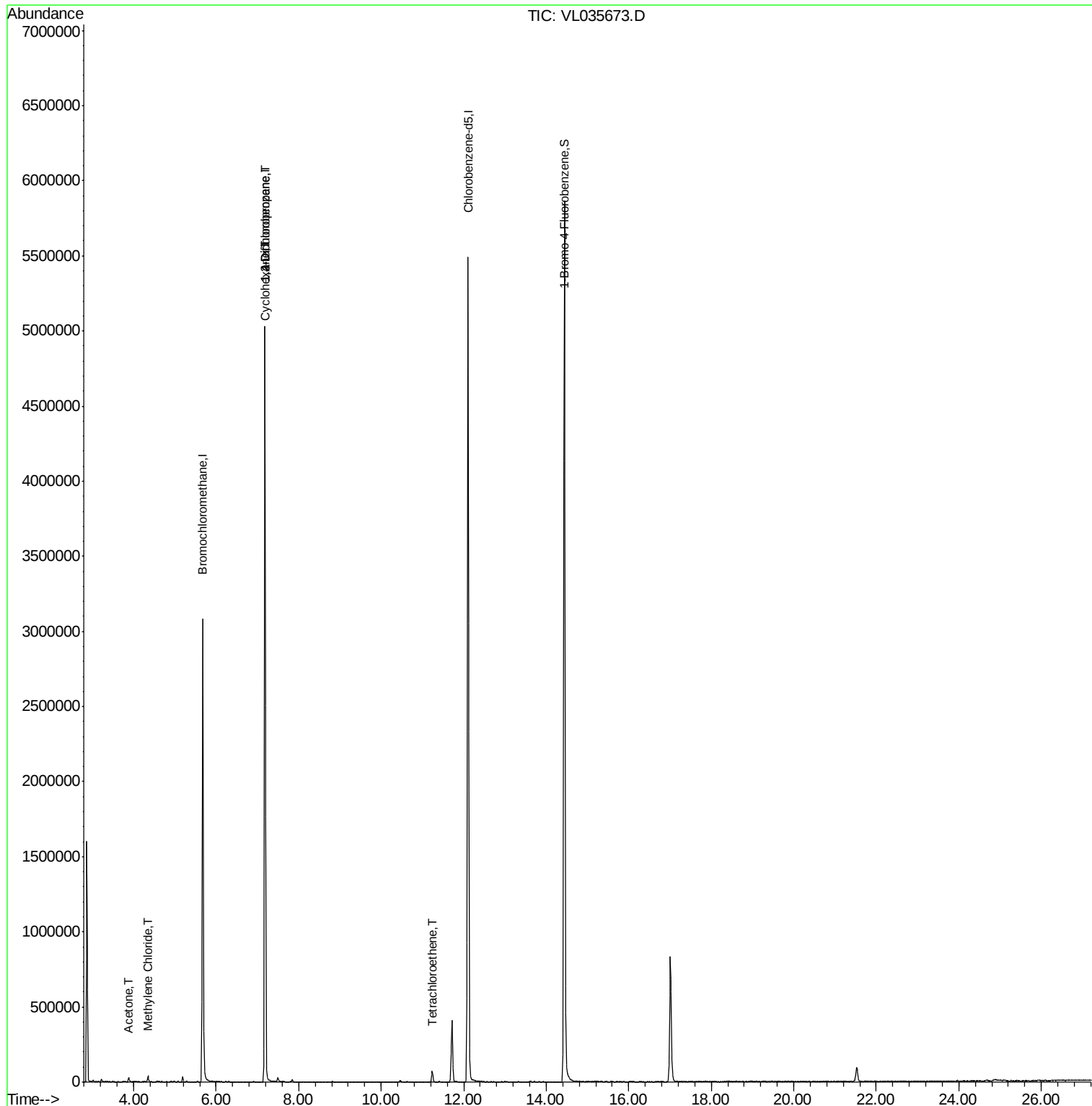
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.87	43	21259	0.184	ppbv #	43
20) Methylene Chloride	4.35	84	17512	0.204	ppbv	94
30) Cyclohexane	7.17	84	6207	0.050	ppbv #	9
39) 1,2-Dichloropropane	7.18	63	770993	8.726	ppbv #	32
52) Tetrachloroethene	11.25	164	14660	0.096	ppbv	96

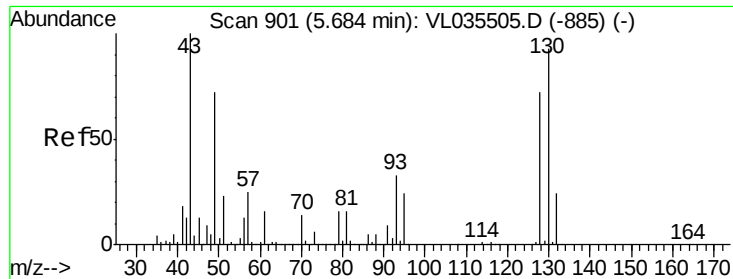
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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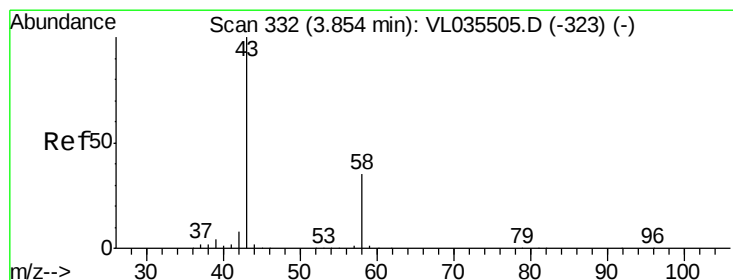
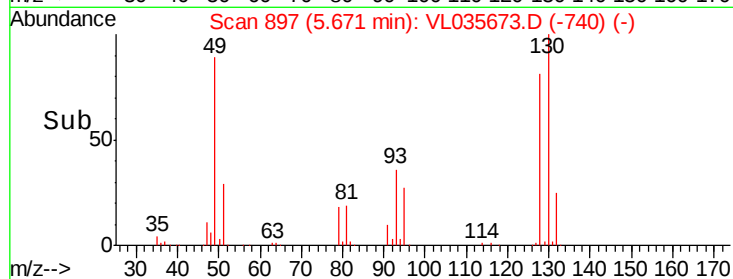
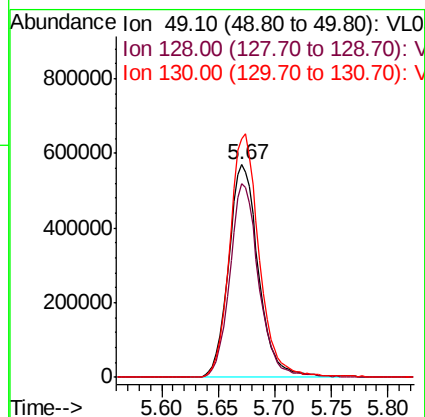
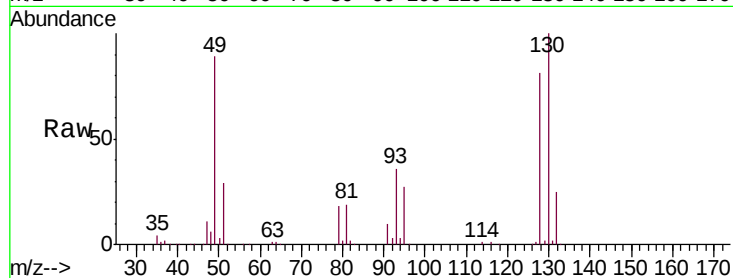




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035673.D
Acq: 18 Sep 2020 1:47

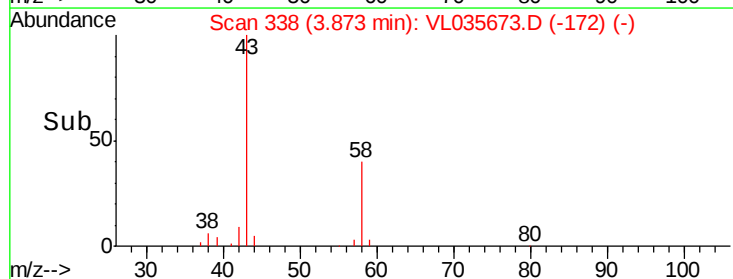
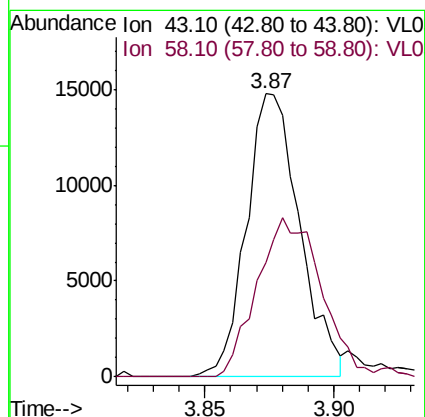
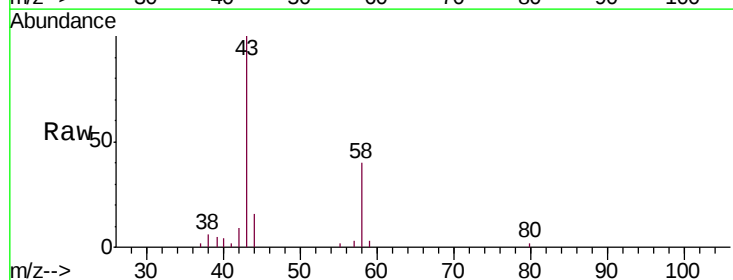
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

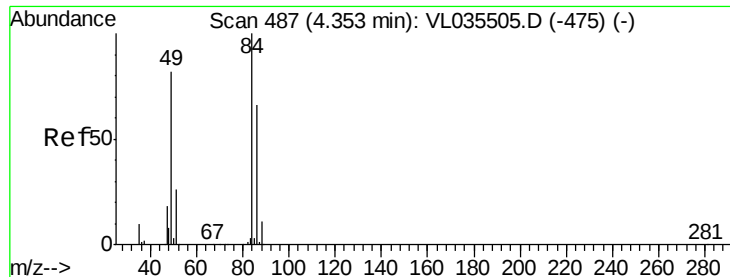
Tgt Ion: 49 Resp: 1045718
Ion Ratio Lower Upper
49 100
128 89.1 50.0 150.1
130 114.1 64.4 193.2



#15
Acetone
Concen: 0.184 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL035673.D
Acq: 18 Sep 2020 1:47

Tgt Ion: 43 Resp: 21259
Ion Ratio Lower Upper
43 100
58 68.6 28.4 42.6#





#20

Methylene Chloride

Concen: 0.204 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL035673.D

Acq: 18 Sep 2020 1:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 17512

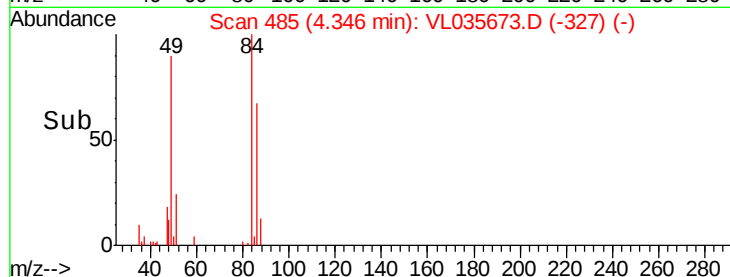
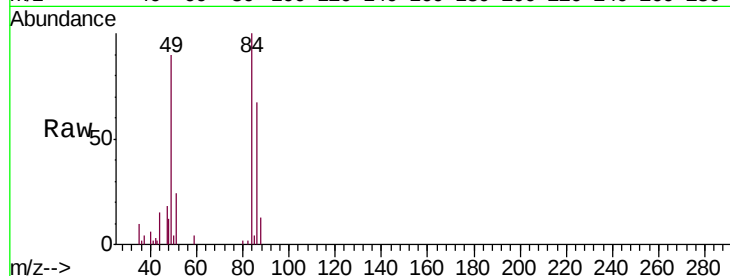
Ion Ratio Lower Upper

84 100

49 90.4 65.4 98.0

51 24.4 21.5 32.3

86 67.2 52.9 79.3

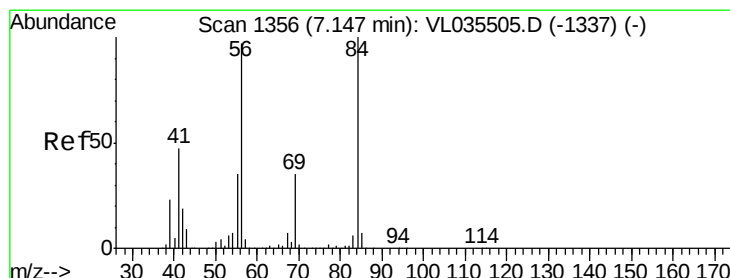
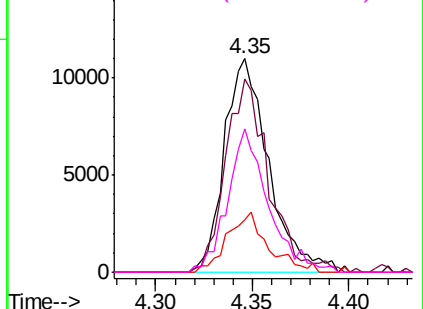


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#30

Cyclohexane

Concen: 0.050 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.04 min

Lab File: VL035673.D

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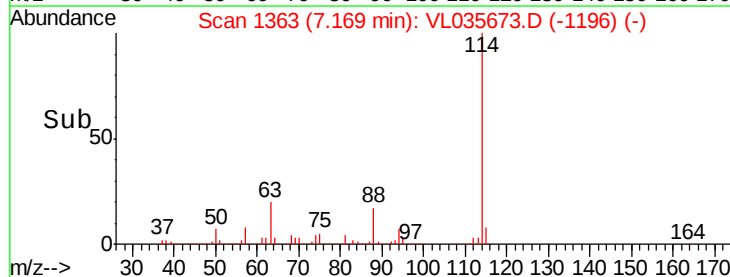
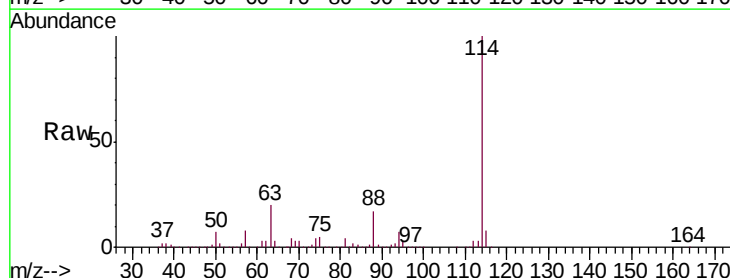
Tgt Ion: 84 Resp: 6207

Ion Ratio Lower Upper

84 100

56 0.0 80.1 120.1#

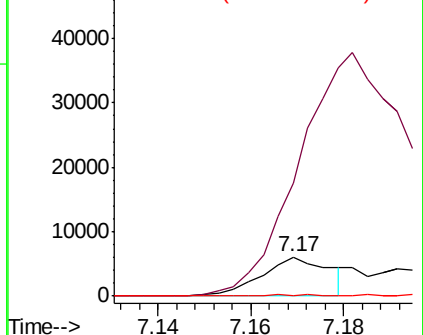
41 0.0 38.1 57.1#

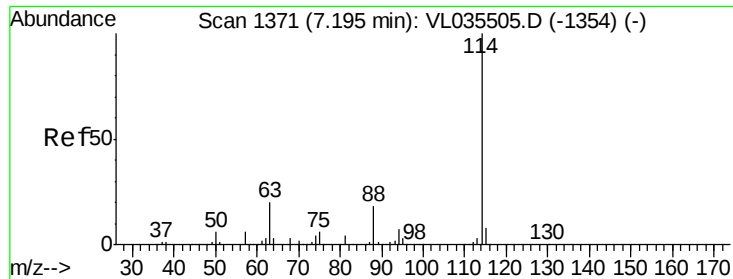


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



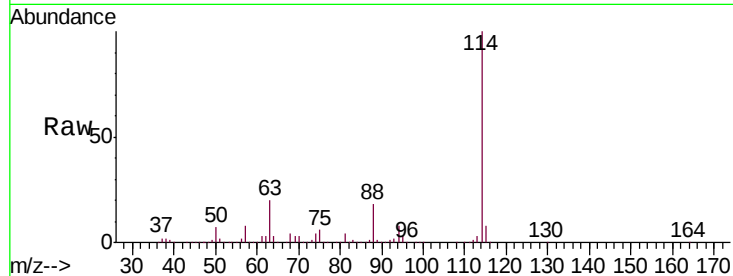


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035673.D
 Acq: 18 Sep 2020 1:47

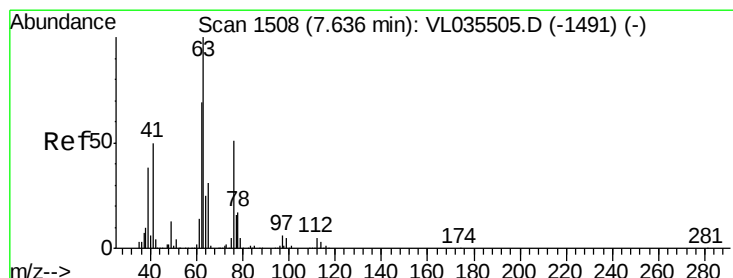
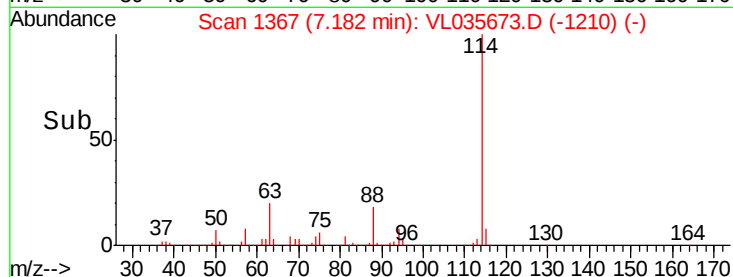
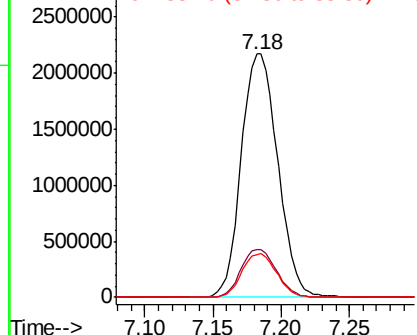
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Tgt Ion: 114 Resp: 4040396

Ion	Ratio	Lower	Upper
114	100		
63	19.2	14.7	22.1
88	17.2	13.4	20.2



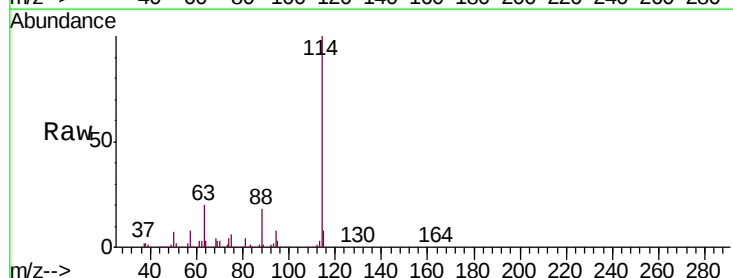
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



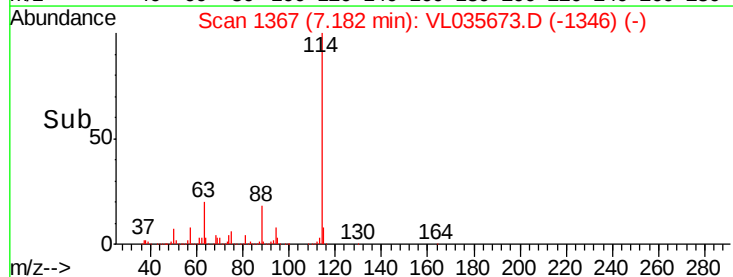
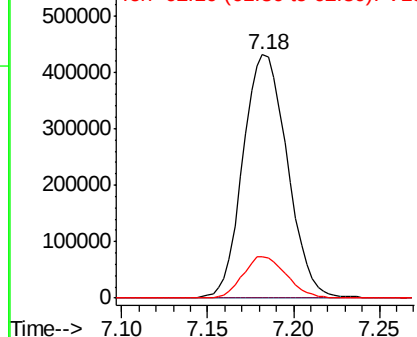
#39
 1,2-Dichloropropane
 Concen: 8.726 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.43 min
 Lab File: VL035673.D
 Acq: 18 Sep 2020 1:47

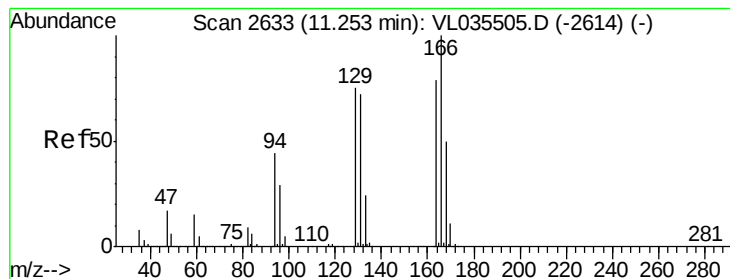
Tgt Ion: 63 Resp: 770993

Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	17.1	55.4	83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.096 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.02 min

Lab File: VL035673.D

Acq: 18 Sep 2020 1:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion:164 Resp: 14660

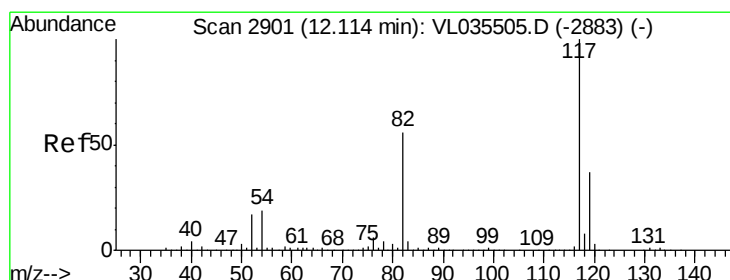
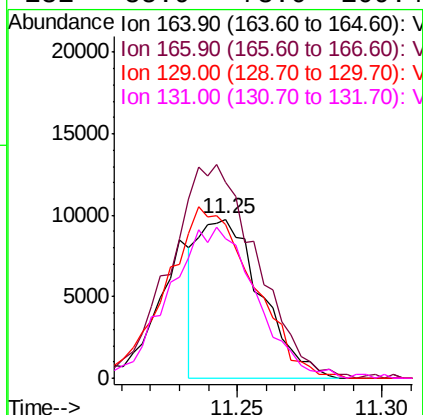
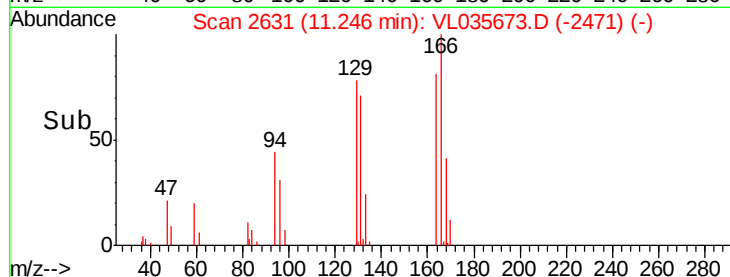
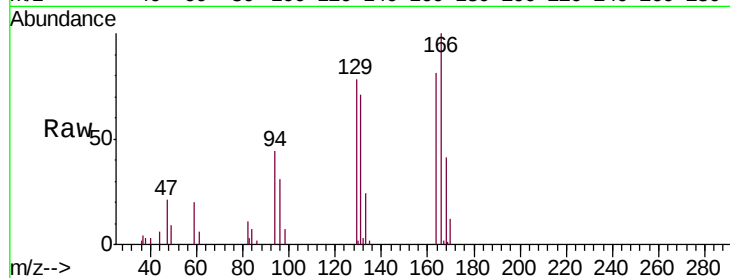
Ion Ratio Lower Upper

164 100

166 121.0 100.9 151.3

129 93.9 75.3 112.9

131 85.9 73.0 109.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL035673.D

Acq: 18 Sep 2020 1:47

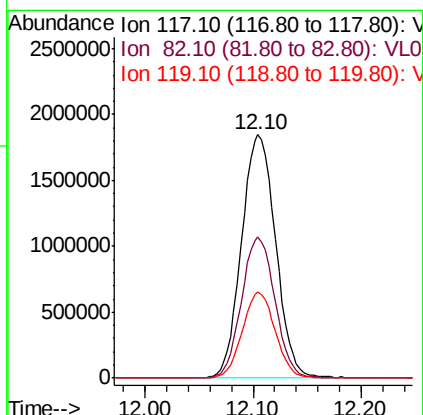
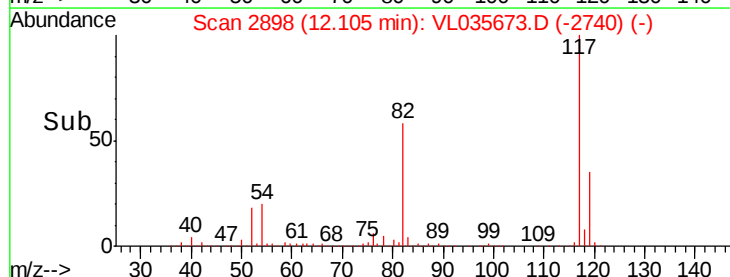
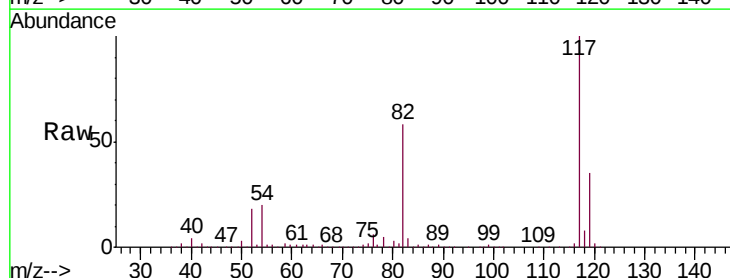
Tgt Ion:117 Resp: 4050961

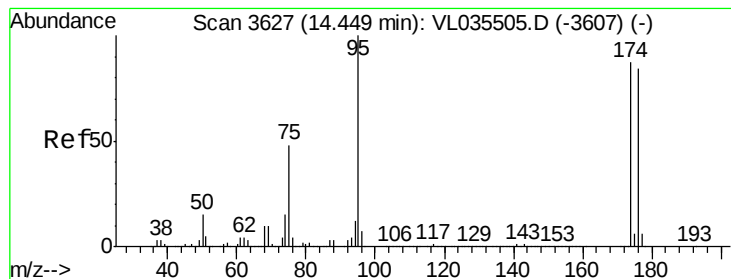
Ion Ratio Lower Upper

117 100

82 57.2 41.6 62.4

119 34.2 29.3 43.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.180 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.01 min

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Acq: 18 Sep 2020 1:47

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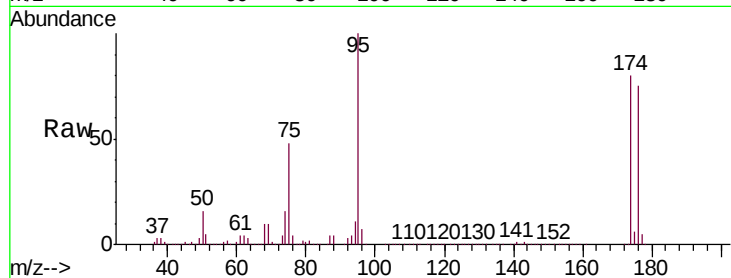
Tgt Ion: 95 Resp: 2928670

Ion Ratio Lower Upper

95 100

174 79.1 69.6 104.4

175 5.7 5.1 7.7



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

