

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035697.D
 Acq On : 21 Sep 2020 22:10
 Operator : SY/AP
 Sample : L3983-05DL2 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11ADL2

Quant Time: Sep 22 01:30:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	5.64	49	986923	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3712479	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	3755757	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2736069	10.26	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

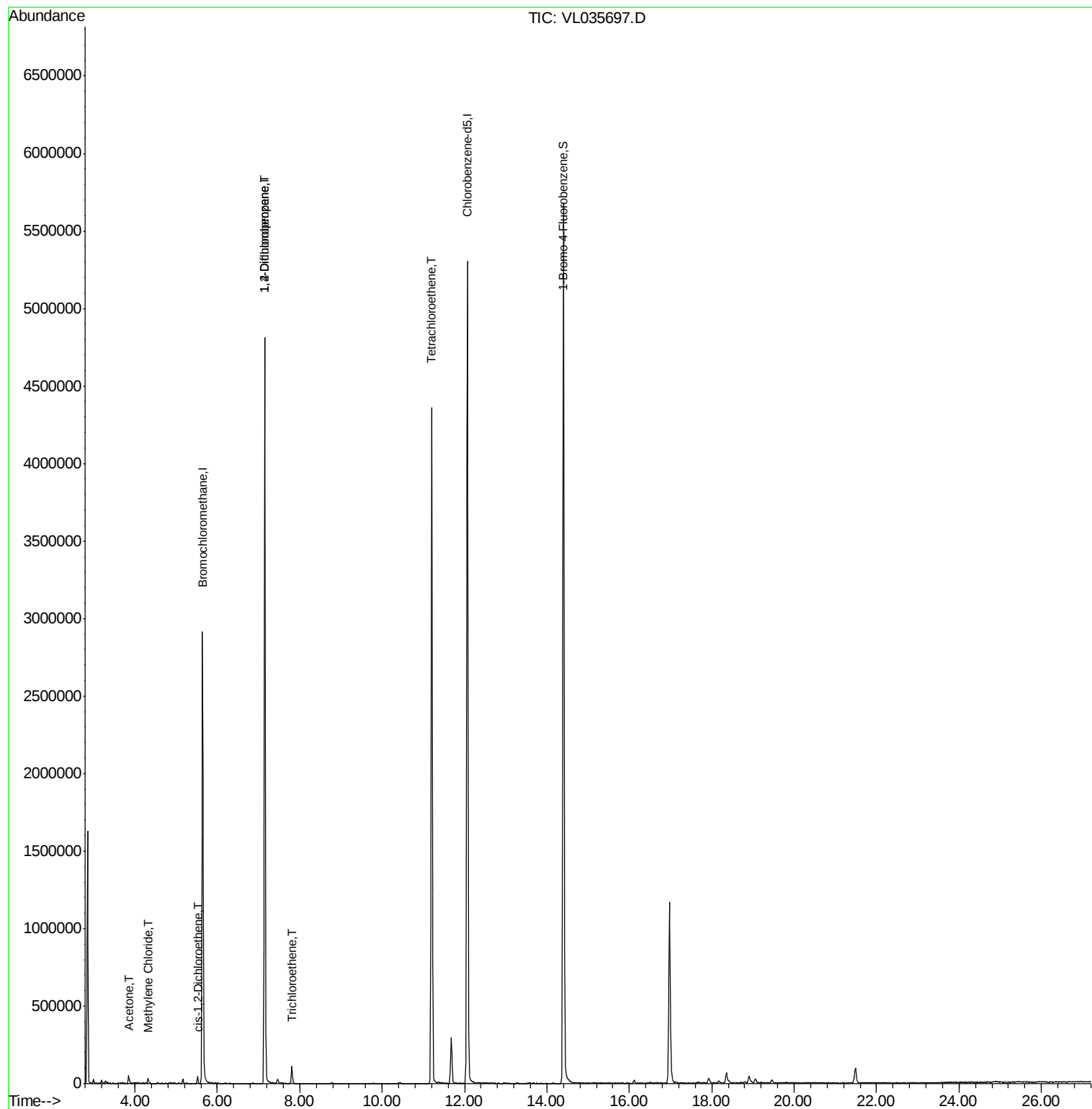
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	41675	0.383	ppbv #	70
20) Methylene Chloride	4.32	84	14930	0.184	ppbv	91
31) cis-1,2-Dichloroethene	5.52	61	20346	0.182	ppbv	89
38) Trichloroethene	7.81	130	18629	0.133	ppbv	90
39) 1,2-Dichloropropane	7.15	63	713559	8.790	ppbv #	32
52) Tetrachloroethene	11.20	164	1165843	8.304	ppbv	98

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035697.D

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Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

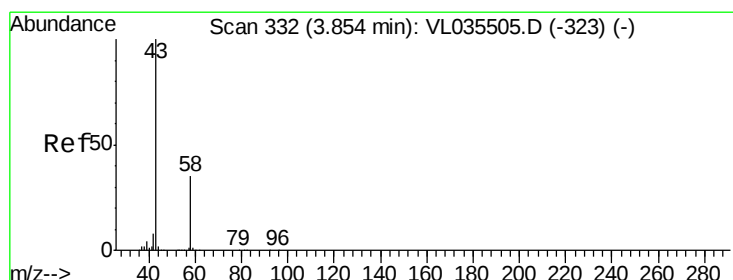
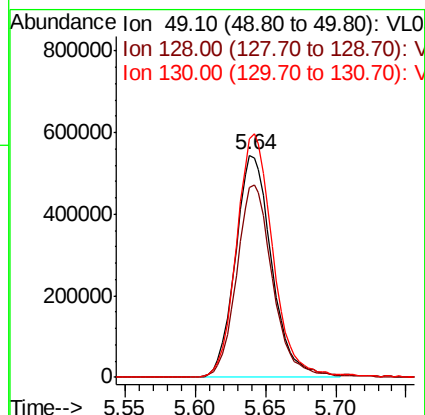
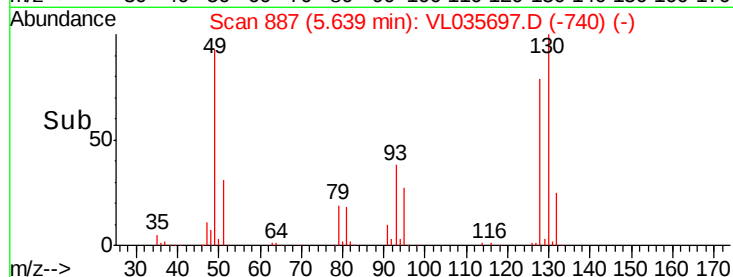
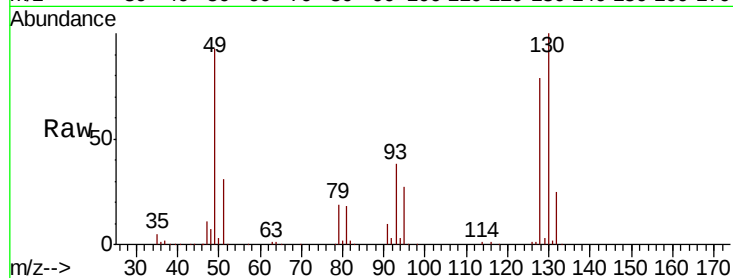
Tot Ion: 49 Resp: 986923

Ion Ratio Lower Upper

49 100

128 86.3 50.0 150.1

130 110.4 64.4 193.2



#15

Acetone

Concen: 0.383 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035697.D

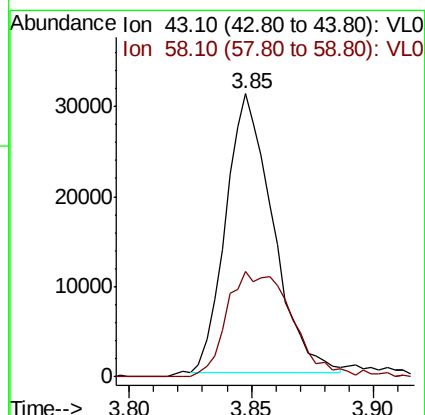
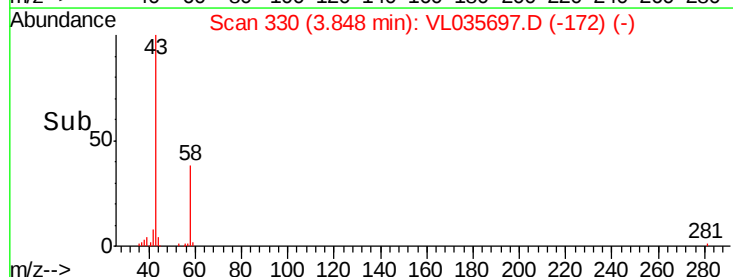
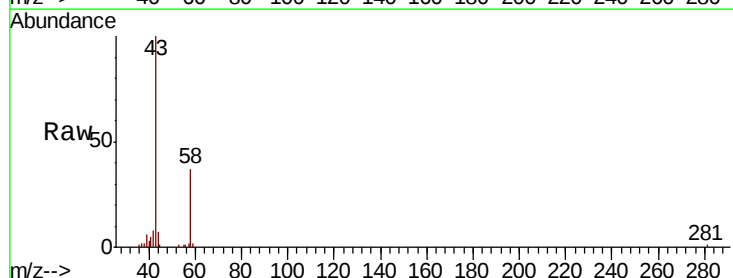
Acq: 21 Sep 2020 22:10

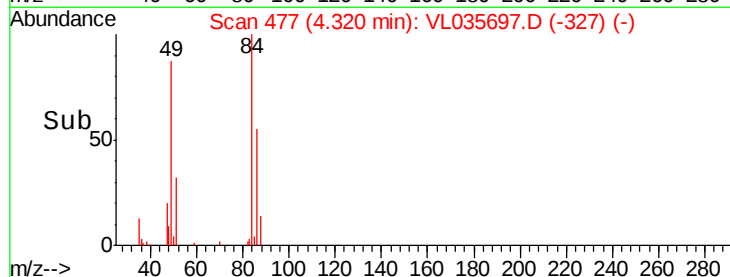
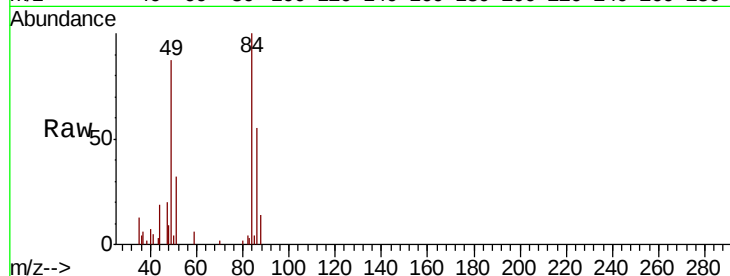
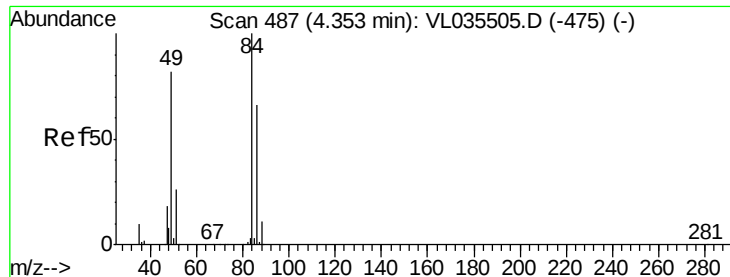
Tgt Ion: 43 Resp: 41675

Ion Ratio Lower Upper

43 100

58 52.7 28.4 42.6#

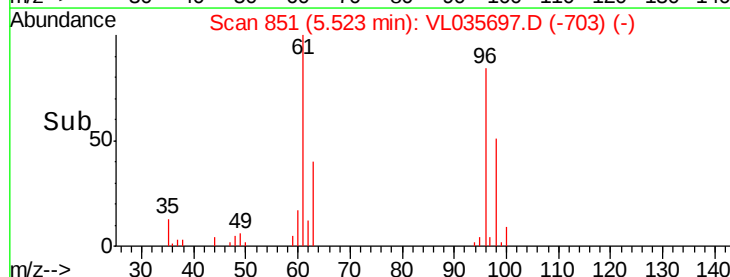
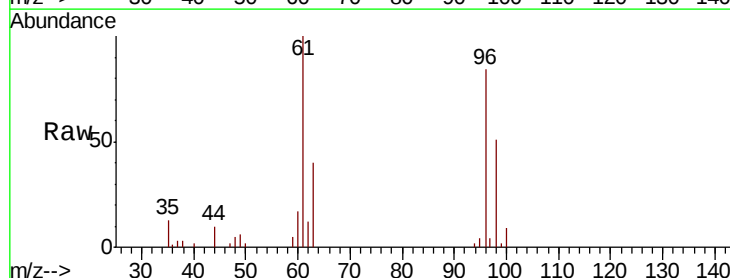
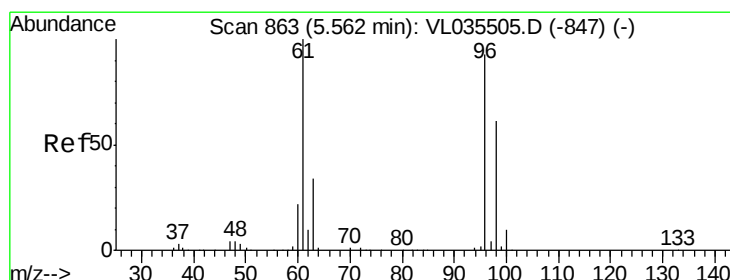
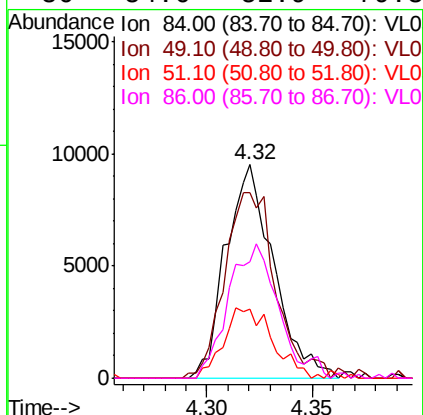




#20
Methylene Chloride
Concen: 0.184 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL035697.D
Acq: 21 Sep 2020 22:10

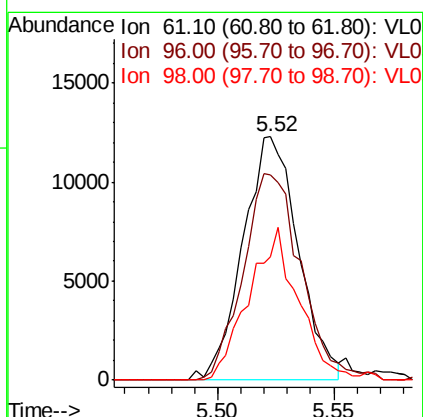
Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

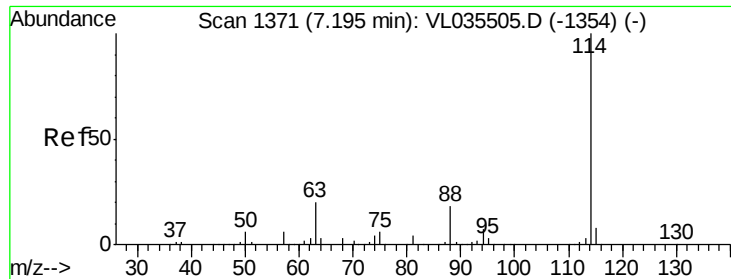
Tot Ion:	84	Resp:	14930
Ion	Ratio	Lower	Upper
84	100		
49	84.9	65.4	98.0
51	32.1	21.5	32.3
86	54.6	52.9	79.3



#31
cis-1,2-Dichloroethene
Concen: 0.182 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.02 min
Lab File: VL035697.D
Acq: 21 Sep 2020 22:10

Tgt Ion:	61	Resp:	20346
Ion	Ratio	Lower	Upper
61	100		
96	84.4	74.4	111.6
98	50.7	49.2	73.8

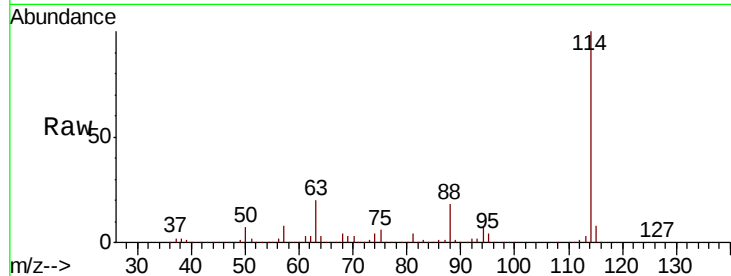




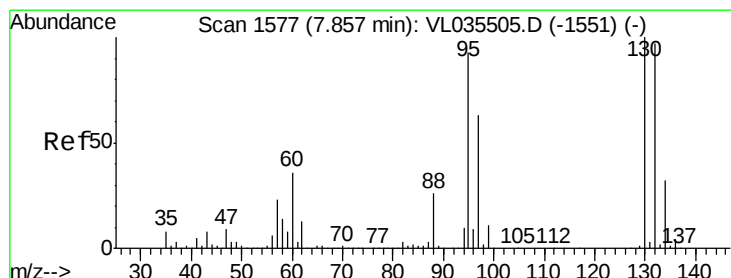
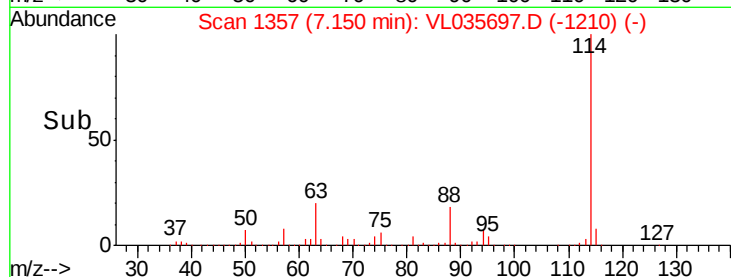
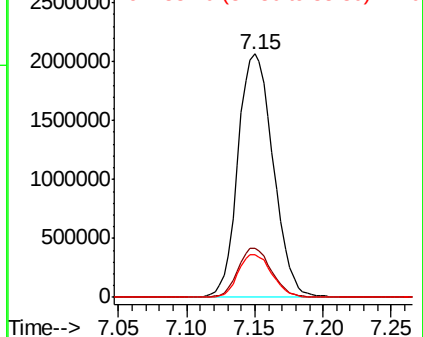
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL035697.D
 Acq: 21 Sep 2020 22:10

Instrument :
 MSVOA_L
 ClientSampled :
 SV-11ADL2

Tot Ion:114 Resp: 3712479
 Ion Ratio Lower Upper
 114 100
 63 19.3 14.7 22.1
 88 17.1 13.4 20.2



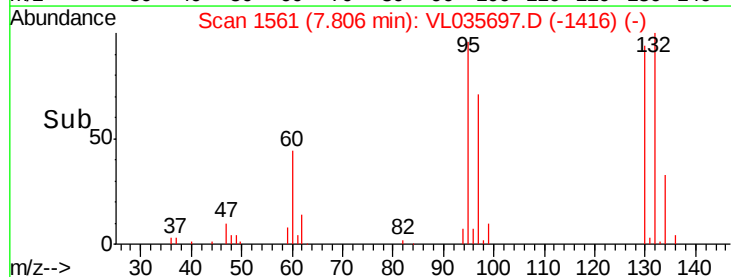
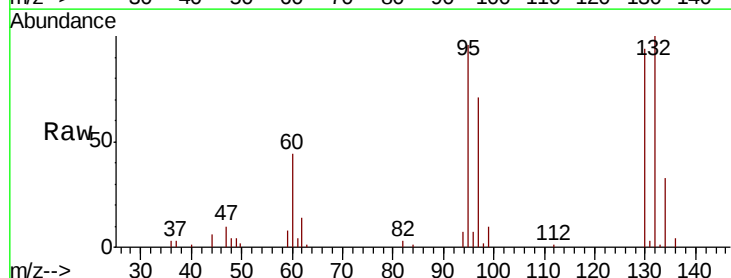
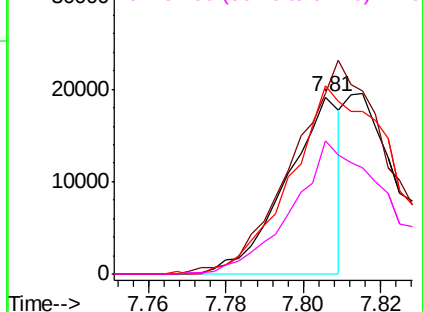
Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

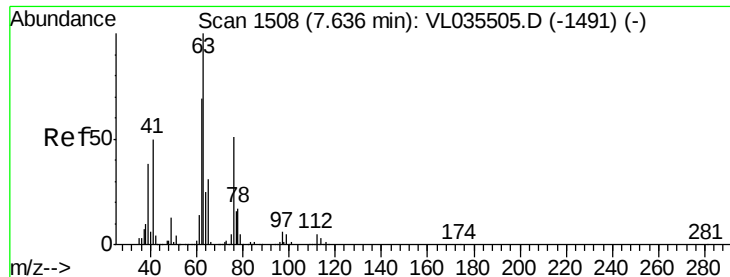


#38
 Trichloroethene
 Concen: 0.133 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.03 min
 Lab File: VL035697.D
 Acq: 21 Sep 2020 22:10

Tgt Ion:130 Resp: 18629
 Ion Ratio Lower Upper
 130 100
 95 100.9 74.6 112.0
 132 106.1 77.6 116.4
 97 74.0 50.6 76.0

Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 8.790 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.46 min

Lab File: VL035697.D

Acq: 21 Sep 2020 22:10

Instrument :

MSVOA_L

ClientSampled :

SV-11ADL2

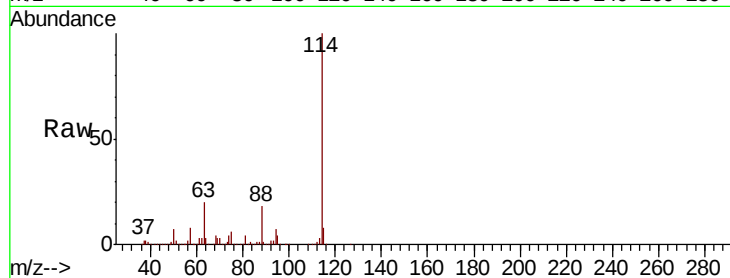
Tot Ion: 63 Resp: 713559

Ion Ratio Lower Upper

63 100

41 0.1 40.0 60.0#

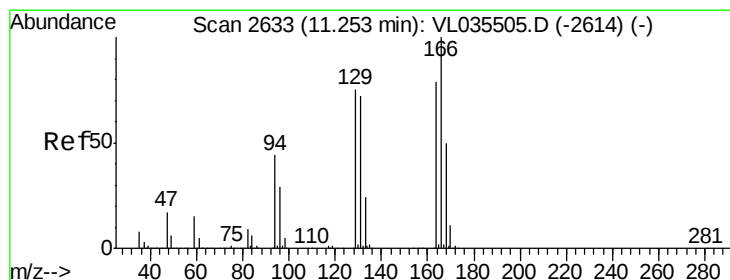
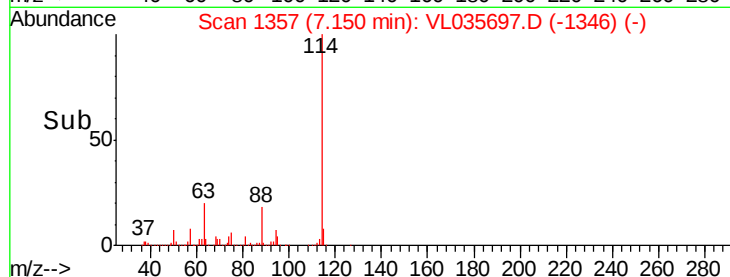
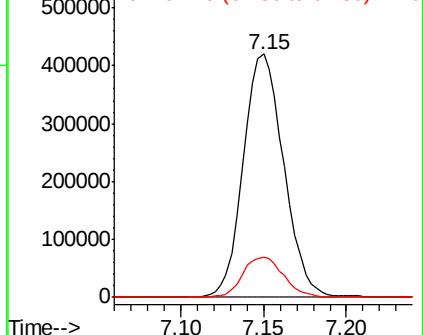
62 16.5 55.4 83.0#



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: 8.304 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. -0.03 min

Lab File: VL035697.D

Acq: 21 Sep 2020 22:10

Tgt Ion:164 Resp: 1165843

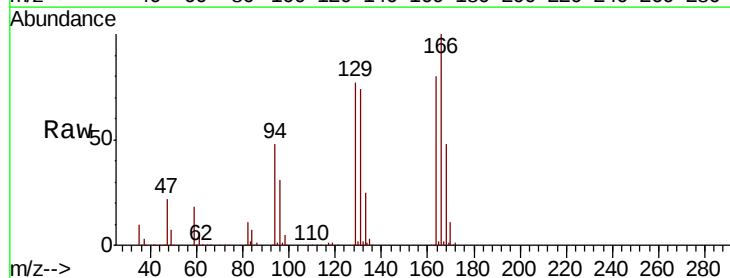
Ion Ratio Lower Upper

164 100

166 125.6 100.9 151.3

129 97.3 75.3 112.9

131 93.3 73.0 109.4

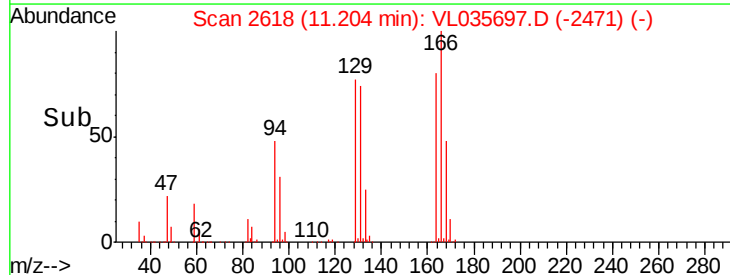
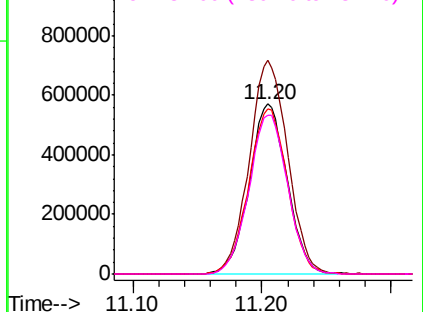


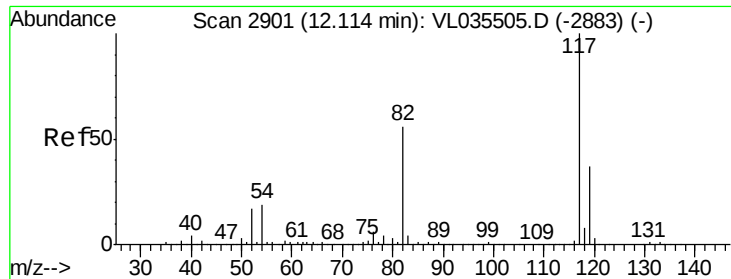
Abundance Ion 163.90 (163.60 to 164.60): V

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

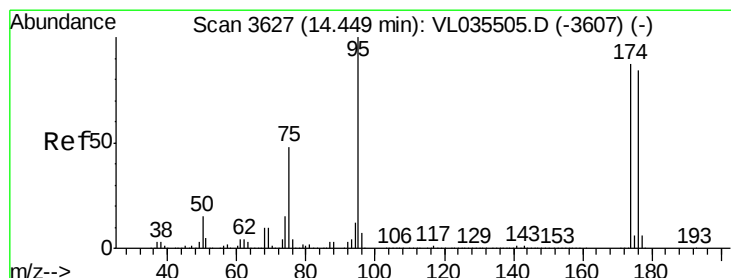
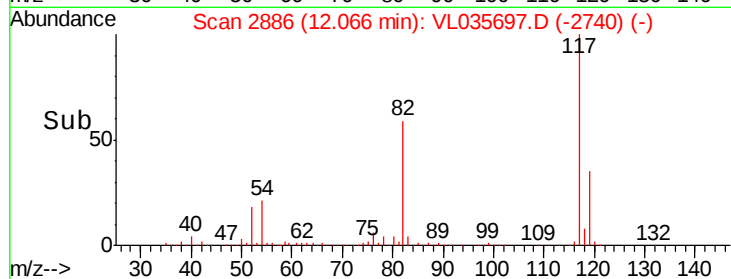
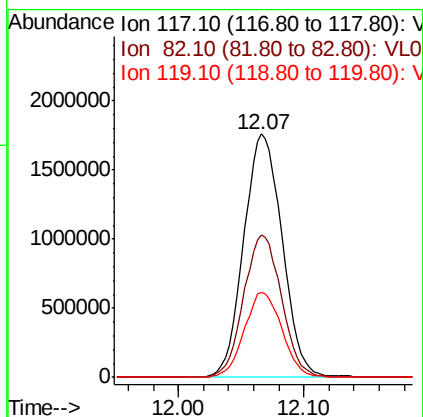
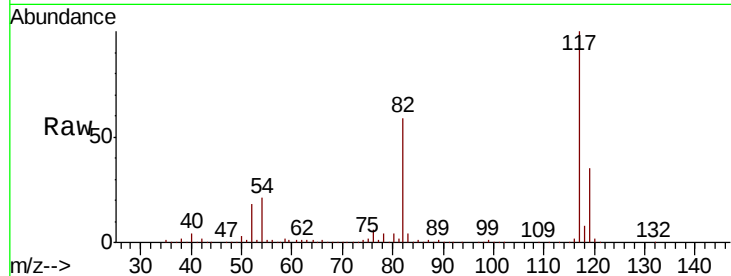




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL035697.D
Acq: 21 Sep 2020 22:10

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

Tot Ion:117 Resp: 3755757
Ion Ratio Lower Upper
117 100
82 58.1 41.6 62.4
119 34.4 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.258 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.03 min
Lab File: VL035697.D
Acq: 21 Sep 2020 22:10

Tgt Ion: 95 Resp: 2736069
Ion Ratio Lower Upper
95 100
174 77.7 69.6 104.4
175 5.6 5.1 7.7

