

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035058.D
 Acq On : 20 May 2020 00:12
 Operator : SY/AP
 Sample : L2683-06DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 20 04:48:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1101659	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2483728	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2427758	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2058385	10.47	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

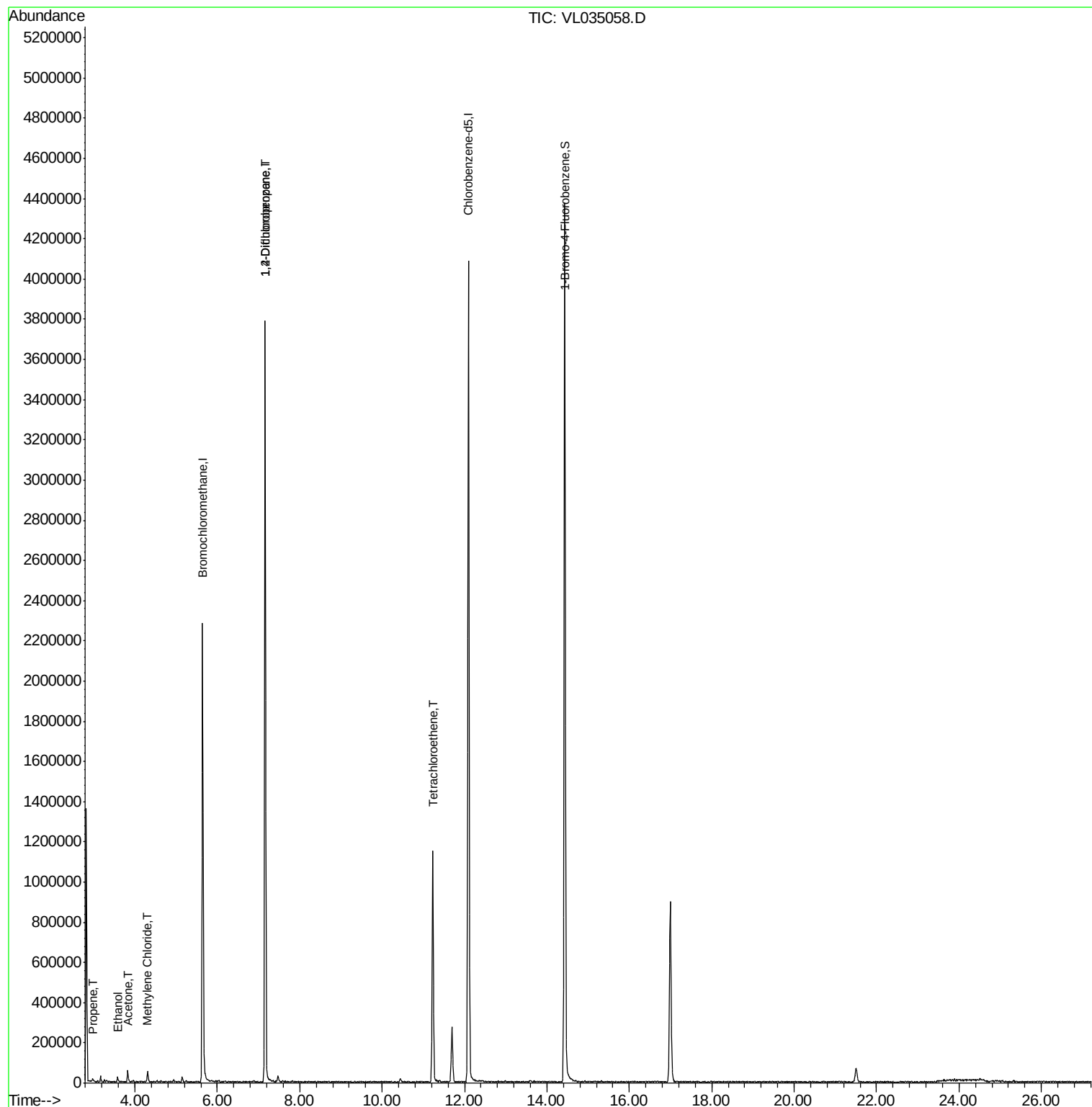
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	1733	0.032	ppbv #	16
13) Ethanol	3.56	45	5772	0.320	ppbv #	39
15) Acetone	3.83	43	45662	0.314	ppbv #	82
20) Methylene Chloride	4.31	84	15100	0.313	ppbv #	70
39) 1,2-Dichloropropane	7.16	63	704440	8.581	ppbv #	25
52) Tetrachloroethene	11.23	164	268361	3.686	ppbv	97

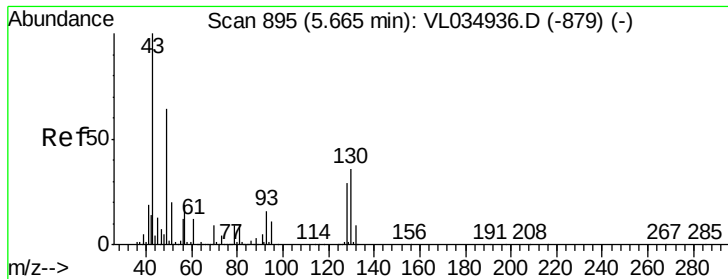
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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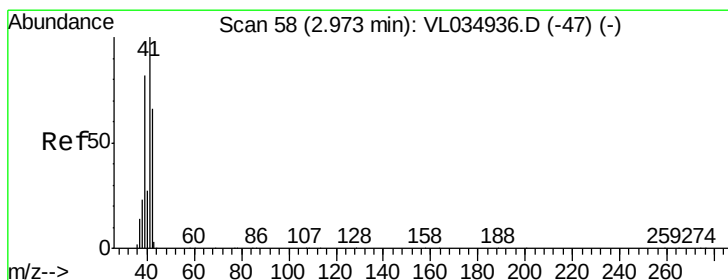
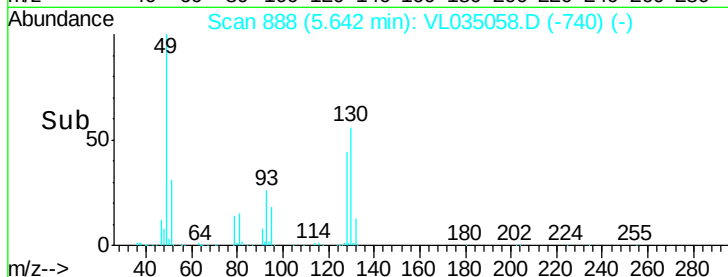
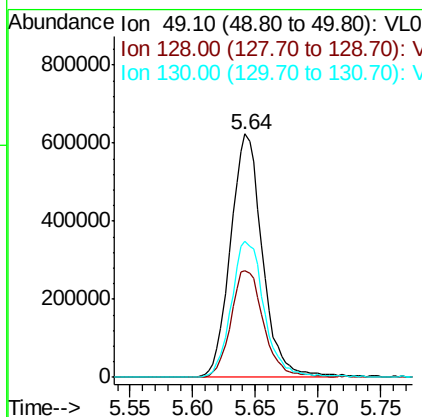
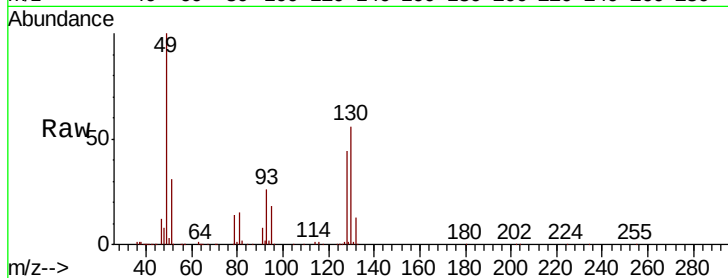




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: VL035058.D
 Acq: 20 May 2020 00:12

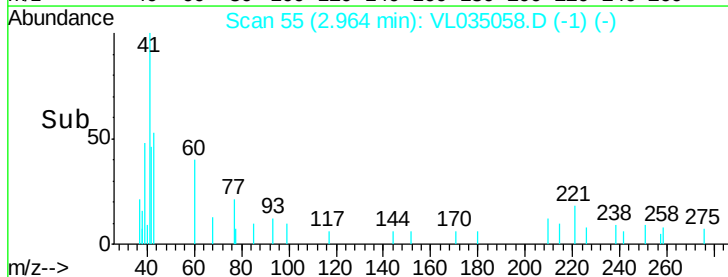
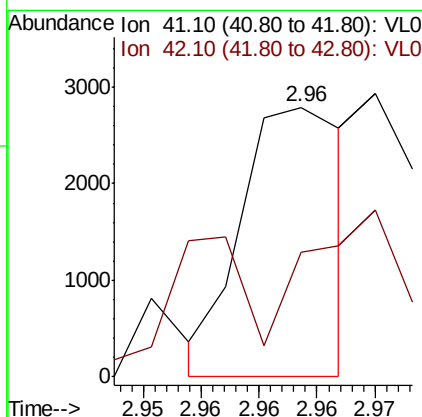
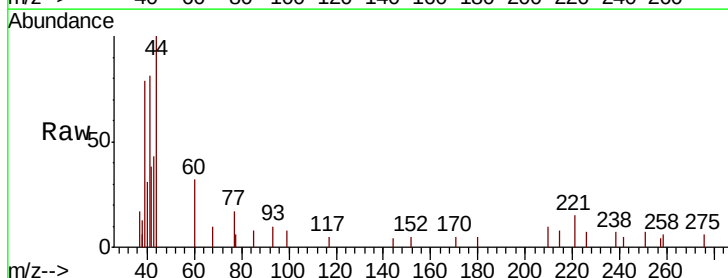
Instrument :
 MSVOA_L
 ClientSampleId :

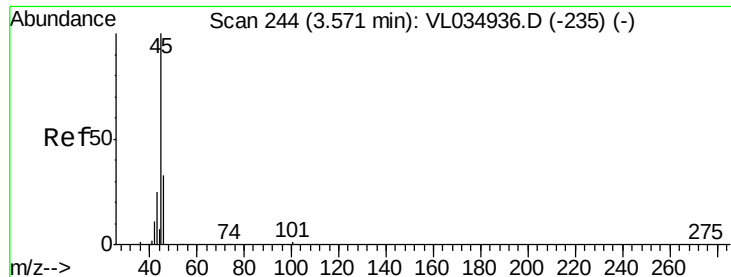
Tot Ion: 49 Resp: 1101659
 Ion Ratio Lower Upper
 49 100
 128 45.4 22.1 66.5
 130 58.3 29.1 87.3



#9
 Propene
 Concen: 0.032 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. -0.01 min
 Lab File: VL035058.D
 Acq: 20 May 2020 00:12

Tgt Ion: 41 Resp: 1733
 Ion Ratio Lower Upper
 41 100
 42 0.0 54.5 81.7#

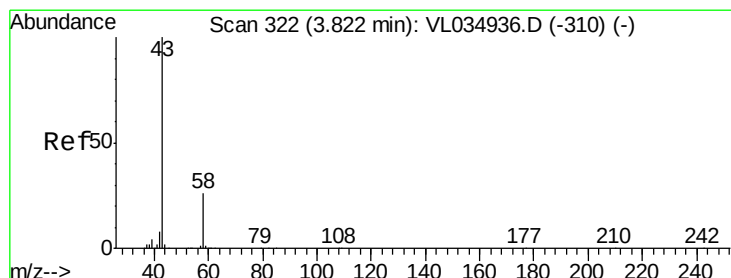
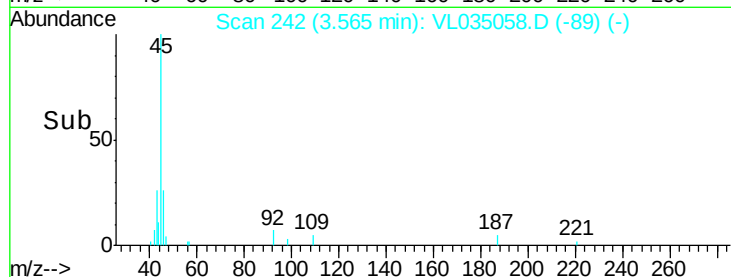
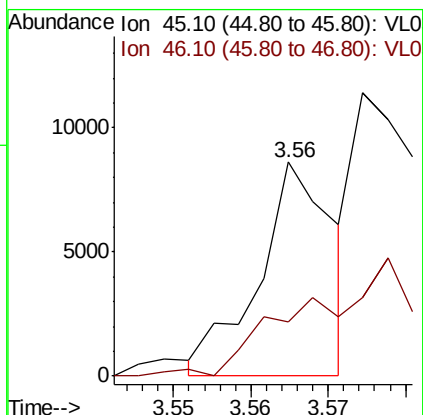
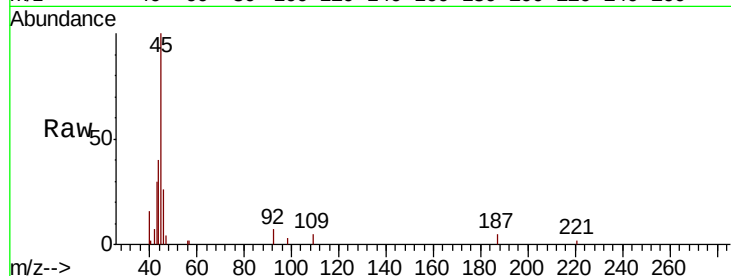




#13
Ethanol
Concen: 0.320 ppbv
RT: 3.56 min Scan# 242
Delta R.T. -0.01 min
Lab File: VL035058.D
Acq: 20 May 2020 00:12

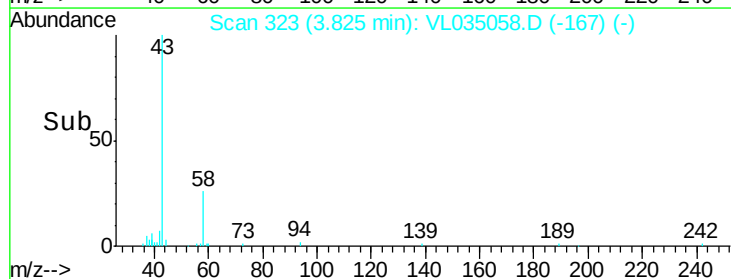
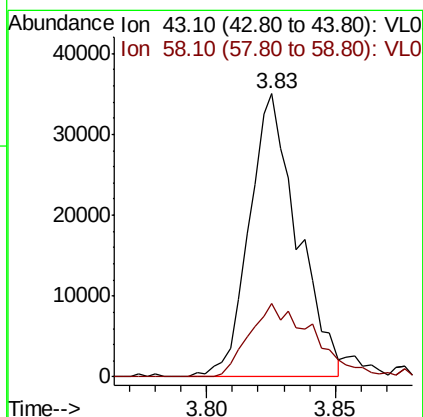
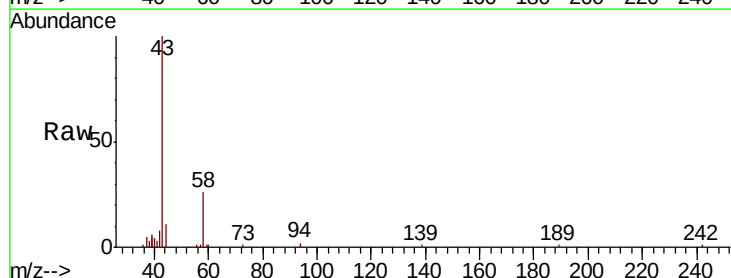
Instrument :
MSVOA_L
ClientSampleId :

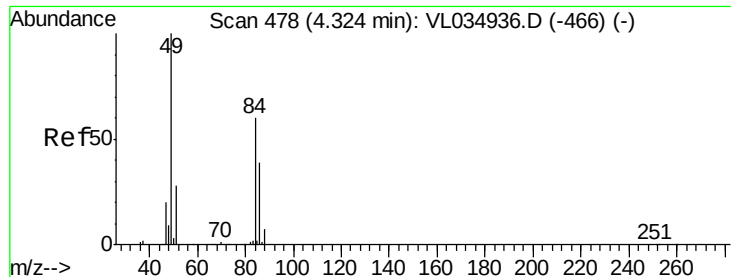
Tot Ion: 45 Resp: 5772
Ion Ratio Lower Upper
45 100
46 0.0 14.3 57.3#



#15
Acetone
Concen: 0.314 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: VL035058.D
Acq: 20 May 2020 00:12

Tgt Ion: 43 Resp: 45662
Ion Ratio Lower Upper
43 100
58 36.2 21.7 32.5#

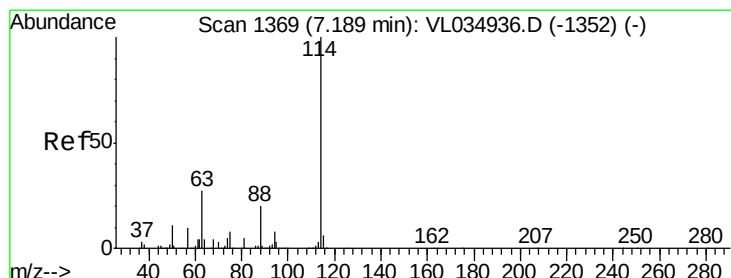
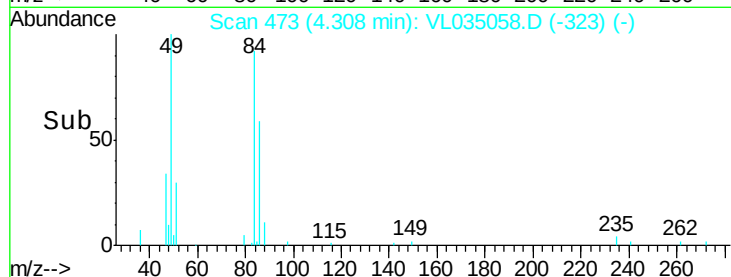
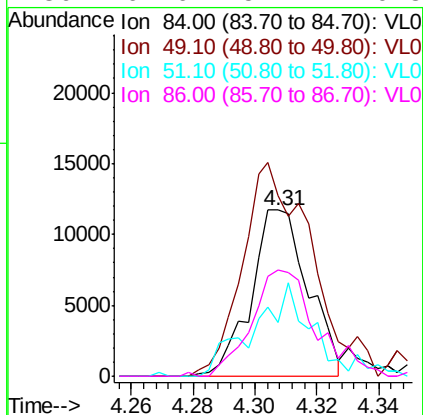
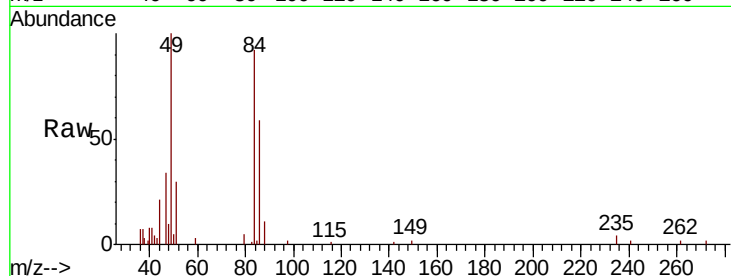




#20
Methylene Chloride
Concen: 0.313 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035058.D
Acq: 20 May 2020 00:12

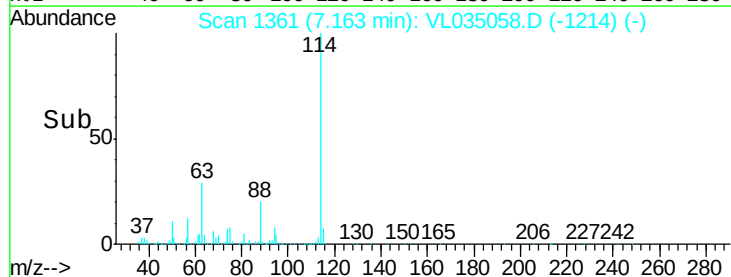
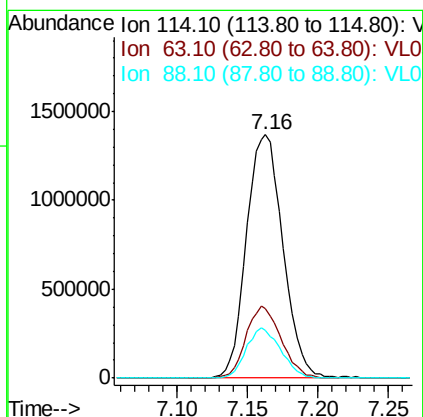
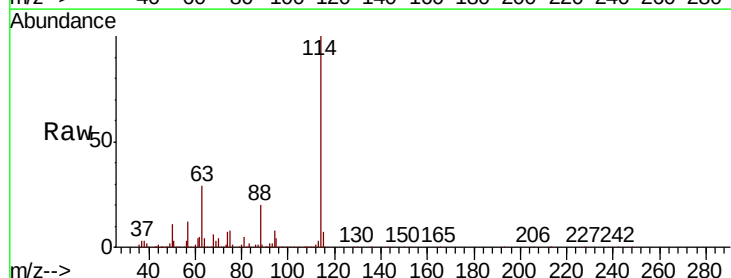
Instrument :
MSVOA_L
ClientSampleId :

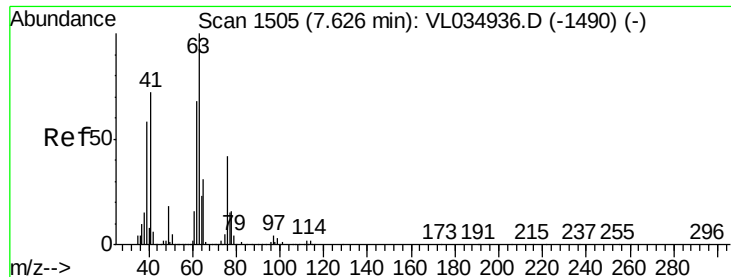
Tot Ion: 84 Resp: 15100
Ion Ratio Lower Upper
84 100
49 108.2 132.5 198.7#
51 32.1 38.4 57.6#
86 61.6 51.2 76.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.03 min
Lab File: VL035058.D
Acq: 20 May 2020 00:12

Tgt Ion: 114 Resp: 2483728
Ion Ratio Lower Upper
114 100
63 28.4 22.2 33.4
88 19.7 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.581 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.47 min

Lab File: VL035058.D

Acq: 20 May 2020 00:12

Instrument :

MSVOA_L

ClientSampleId :

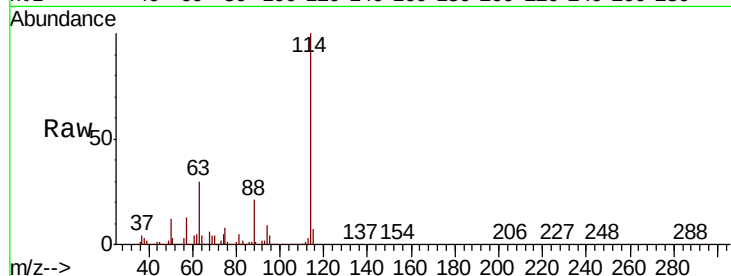
Tot Ion: 63 Resp: 704440

Ion Ratio Lower Upper

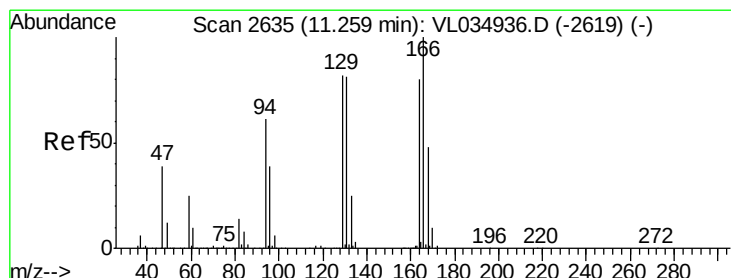
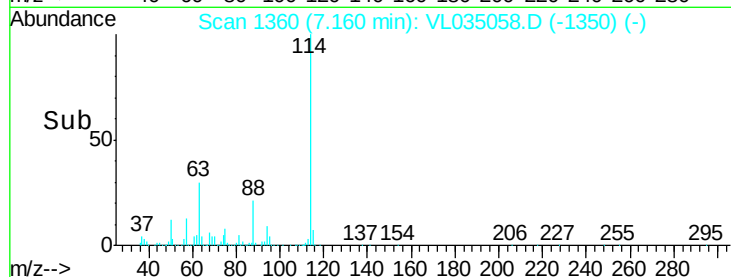
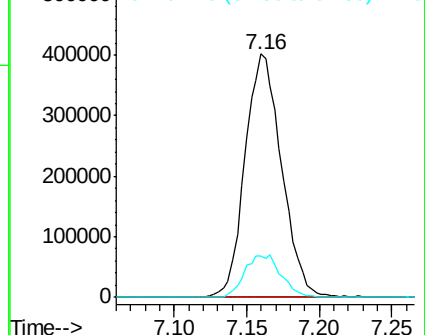
63 100

41 0.0 57.8 86.8#

62 16.9 54.2 81.2#



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: 3.686 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.03 min

Lab File: VL035058.D

Acq: 20 May 2020 00:12

Tgt Ion: 164 Resp: 268361

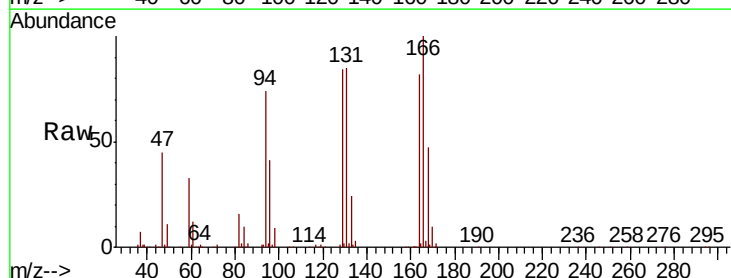
Ion Ratio Lower Upper

164 100

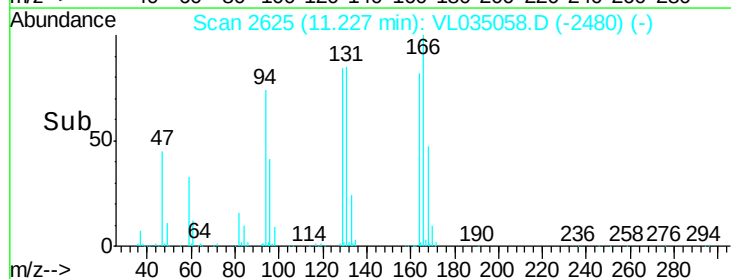
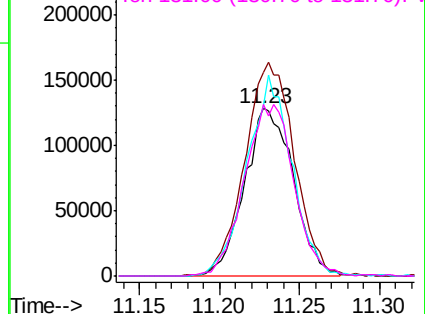
166 120.6 100.7 151.1

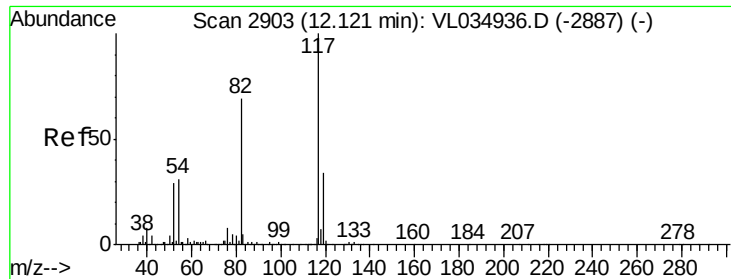
129 102.0 83.0 124.4

131 102.1 81.0 121.4



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

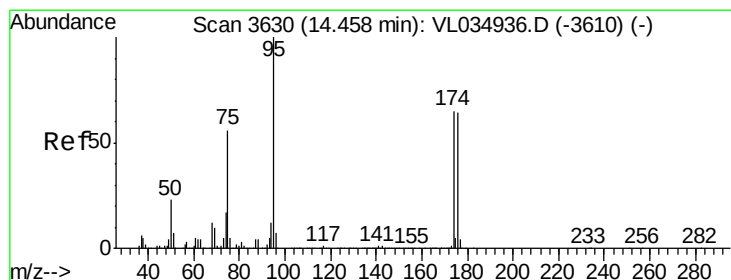
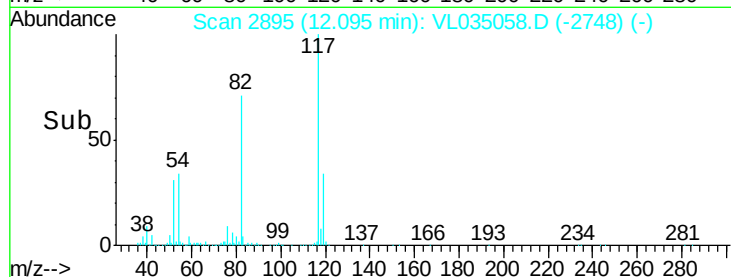
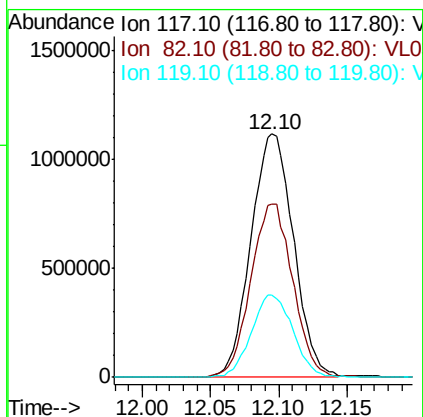
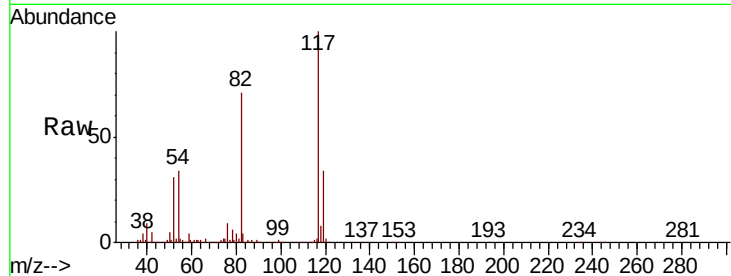




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035058.D
Acq: 20 May 2020 00:12

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 2427758
Ion Ratio Lower Upper
117 100
82 70.5 53.1 79.7
119 33.1 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.475 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.03 min
Lab File: VL035058.D
Acq: 20 May 2020 00:12

Tgt Ion: 95 Resp: 2058385
Ion Ratio Lower Upper
95 100
174 63.6 51.5 77.3
175 4.7 3.8 5.8

