

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081020\
 Data File : VL035376.D
 Acq On : 10 Aug 2020 16:19
 Operator : SY/AP
 Sample : QC080320 CAN 10439
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC080320 CAN 10439

Quant Time: Aug 11 04:16:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1087181	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2798110	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2745656	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2316168	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

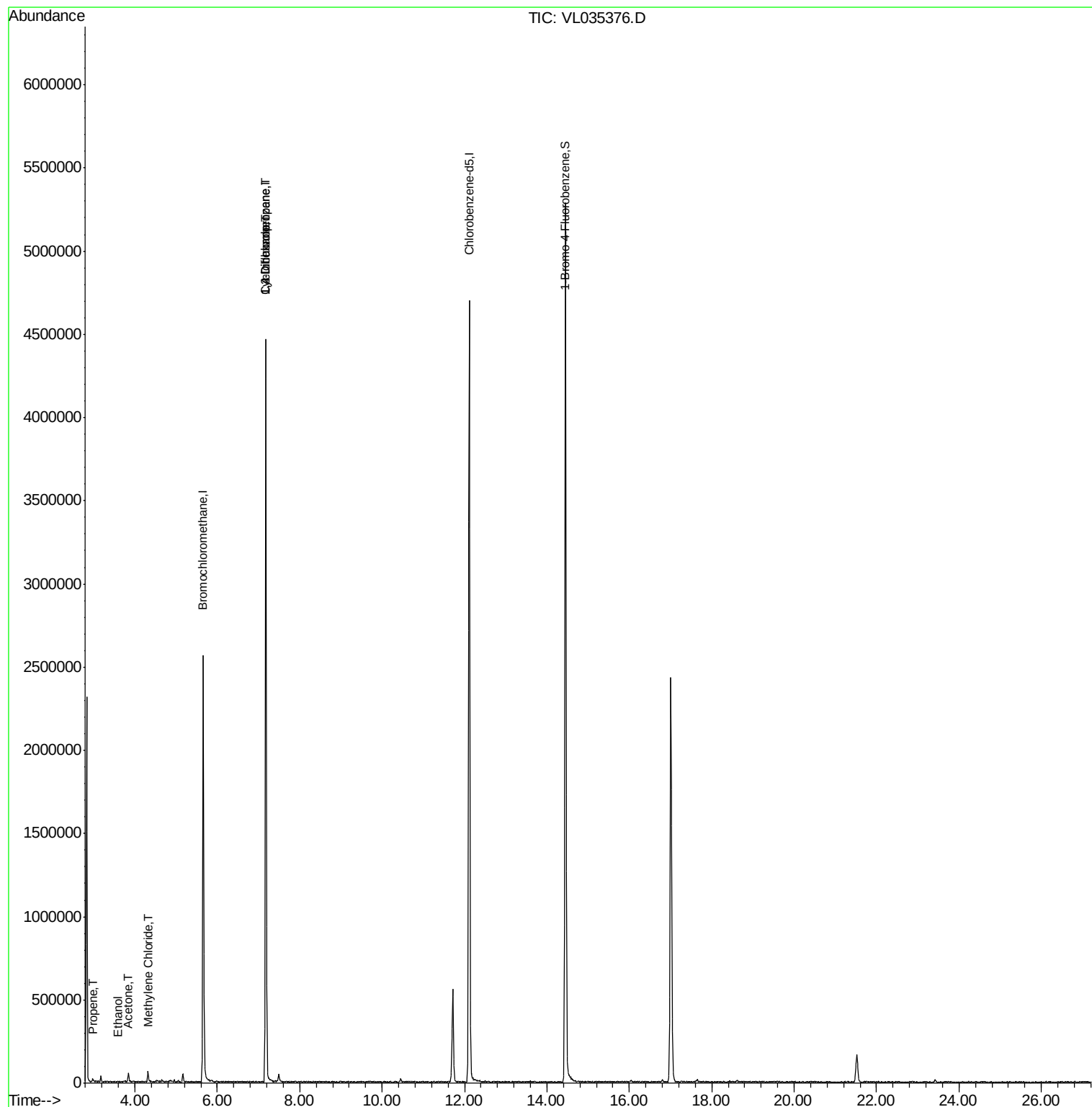
Target Compounds					Ovalue
9) Propene	2.97	41	1817	0.041 ppbv #	20
13) Ethanol	3.58	45	870	0.057 ppbv #	37
15) Acetone	3.83	43	19585	0.127 ppbv #	49
20) Methylene Chloride	4.32	84	11481	0.182 ppbv #	87
30) Cyclohexane	7.17	84	8562	0.111 ppbv #	3
39) 1,2-Dichloropropane	7.18	63	750032	9.806 ppbv #	23

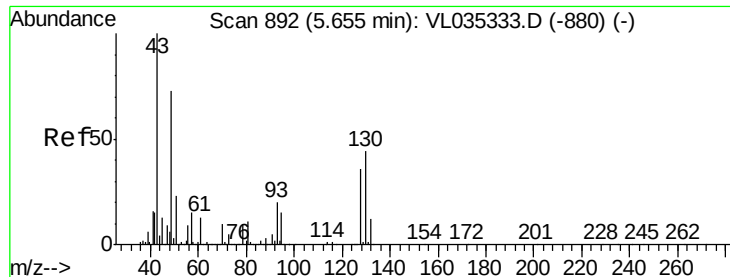
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035376.D

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Instrument :

MSVOA_L

ClientSampleId :

QC080320 CAN 10439

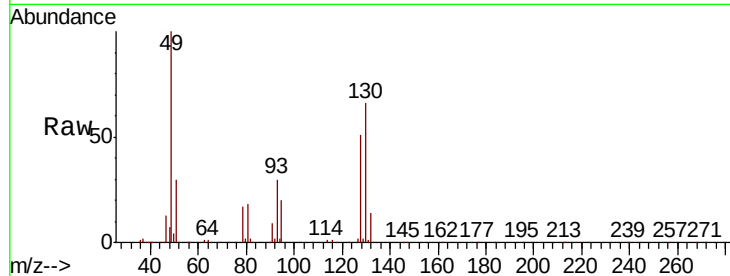
Tot Ion: 49 Resp: 1087181

Ion Ratio Lower Upper

49 100

128 52.4 25.4 76.0

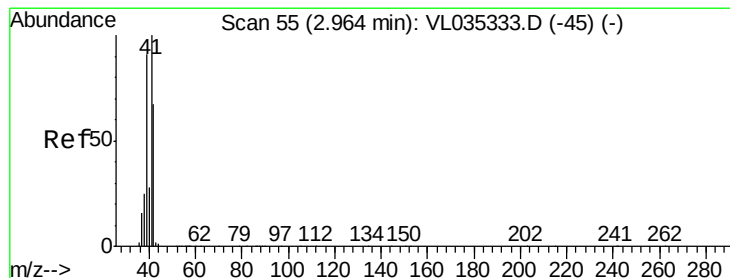
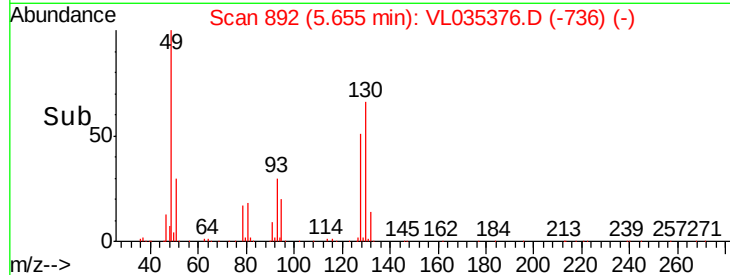
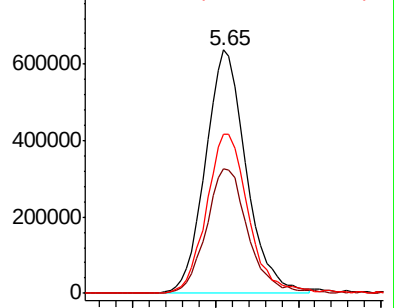
130 67.8 32.1 96.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.041 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL035376.D

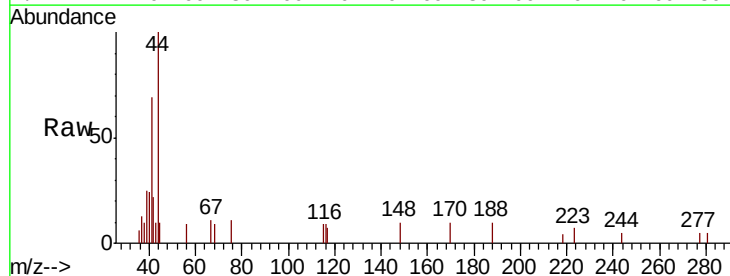
Acq: 10 Aug 2020 16:19

Tgt Ion: 41 Resp: 1817

Ion Ratio Lower Upper

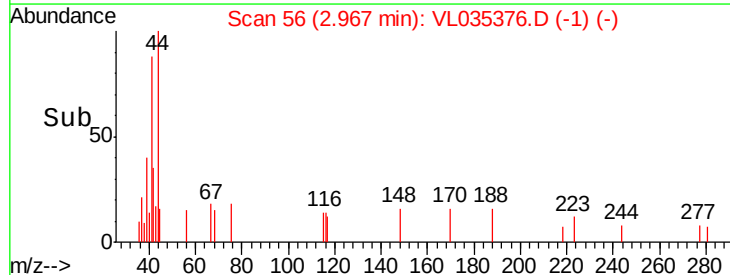
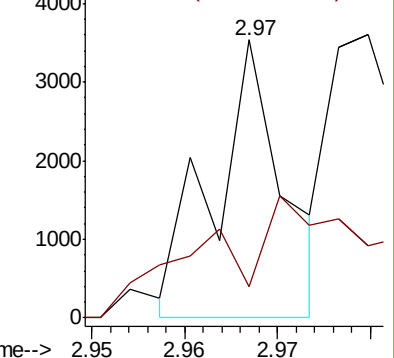
41 100

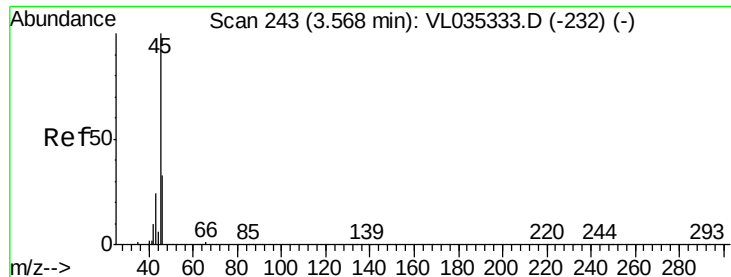
42 134.0 55.3 82.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

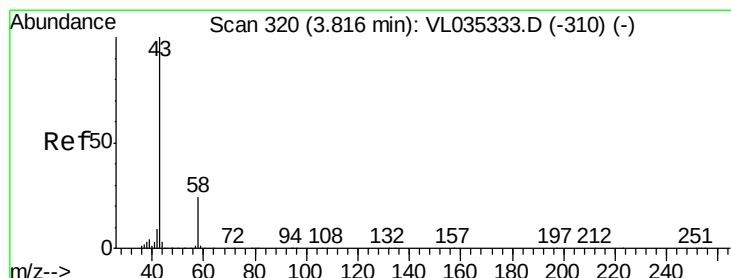
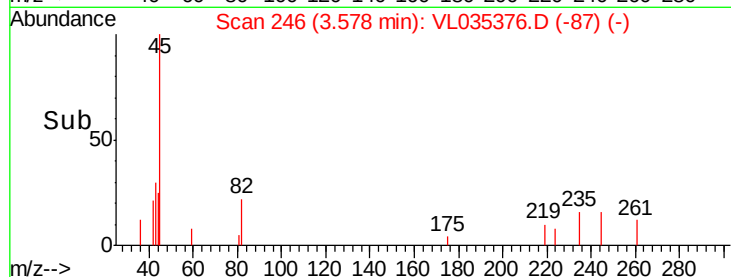
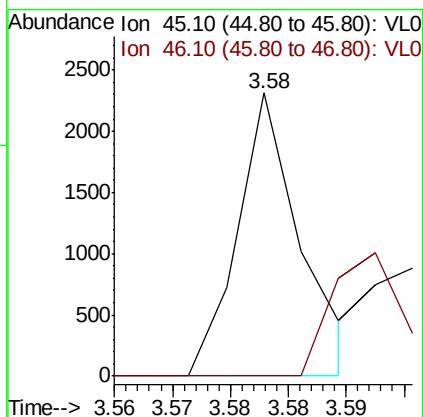
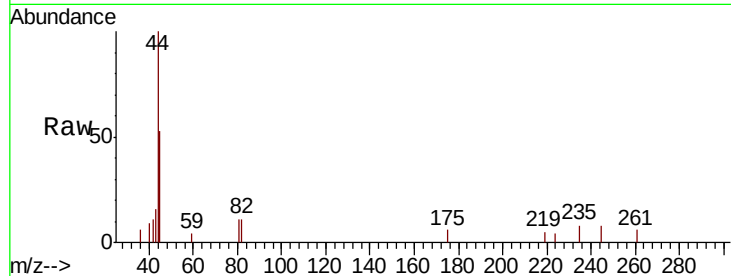




#13
Ethanol
Concen: 0.057 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL035376.D
Acq: 10 Aug 2020 16:19

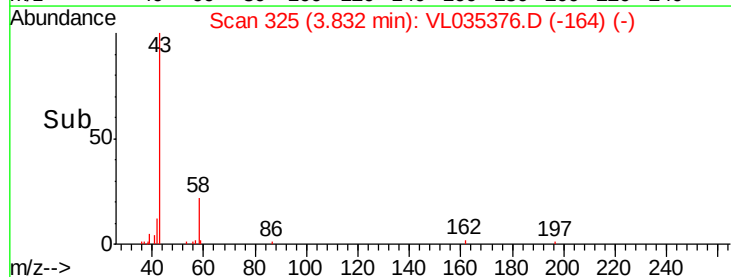
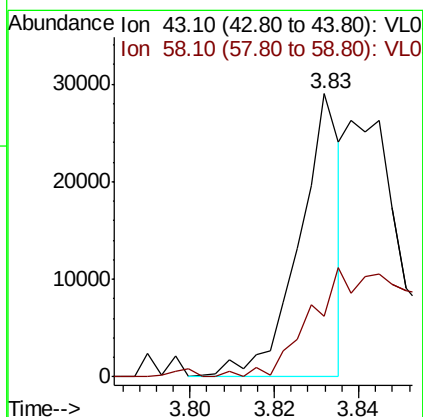
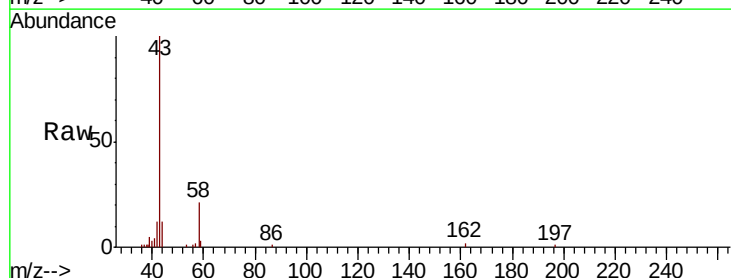
Instrument :
MSVOA_L
ClientSampleId :
QC080320 CAN 10439

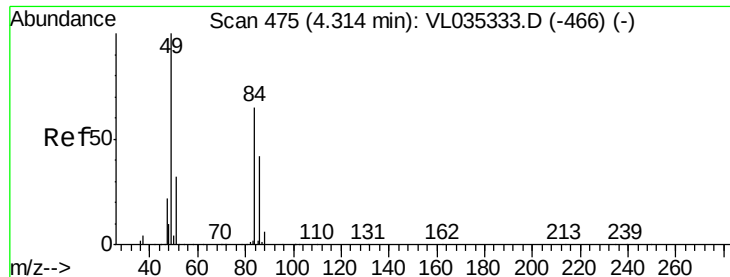
Tot Ion: 45 Resp: 870
Ion Ratio Lower Upper
45 100
46 0.0 15.2 61.0#



#15
Acetone
Concen: 0.127 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.02 min
Lab File: VL035376.D
Acq: 10 Aug 2020 16:19

Tgt Ion: 43 Resp: 19585
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.4#

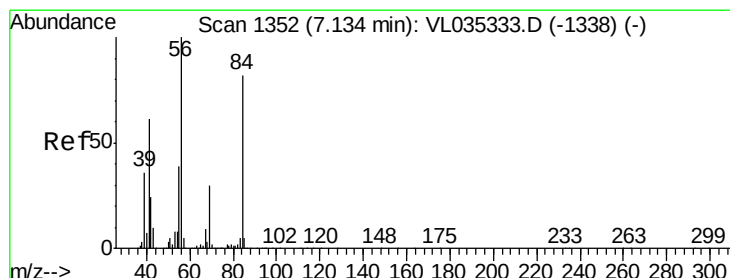
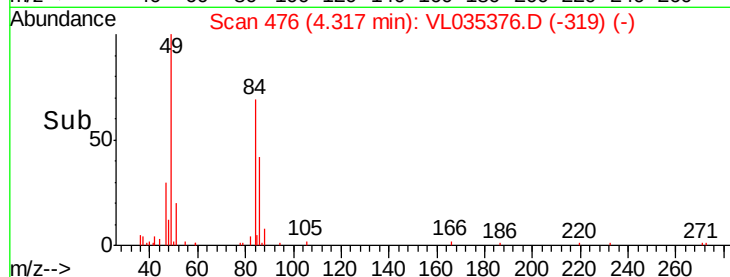
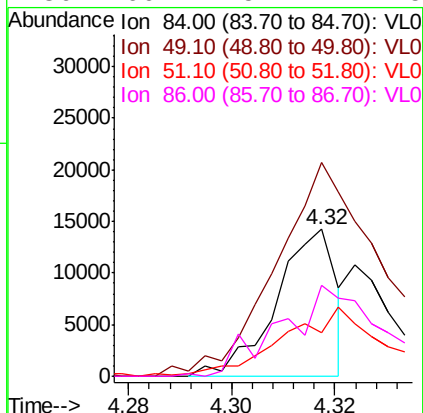
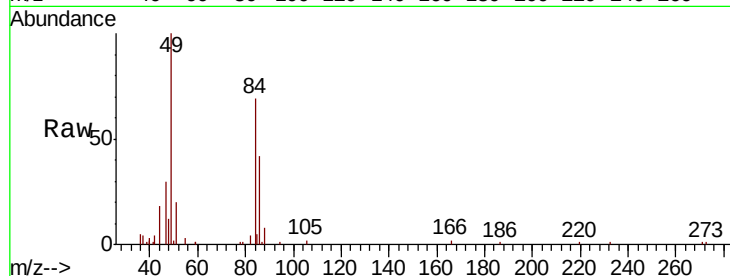




#20
Methvlene Chloride
Concen: 0.182 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035376.D
Acq: 10 Aug 2020 16:19

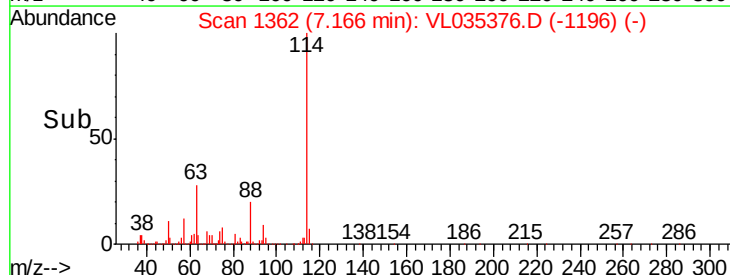
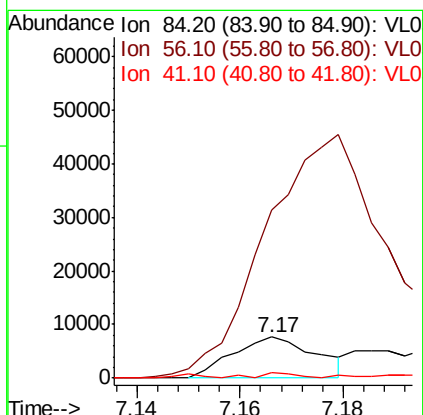
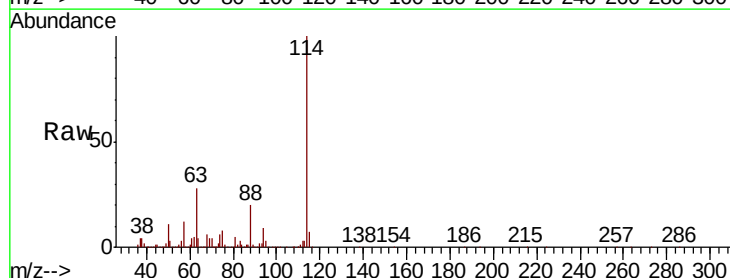
Instrument :
MSVOA_L
ClientSampleId :
QC080320 CAN 10439

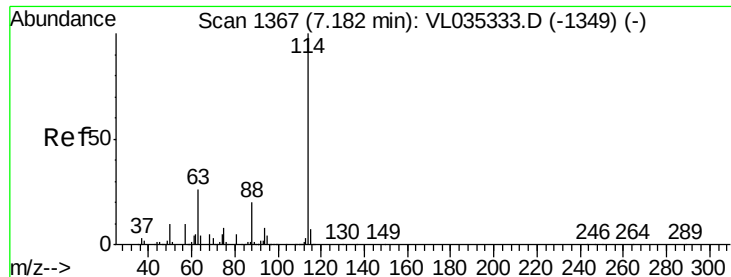
Tot Ion: 84 Resp: 11481
Ion Ratio Lower Upper
84 100
49 142.1 122.8 184.2
51 27.2 40.1 60.1#
86 60.4 51.7 77.5



#30
Cyclohexane
Concen: 0.111 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.03 min
Lab File: VL035376.D
Acq: 10 Aug 2020 16:19

Tgt Ion: 84 Resp: 8562
Ion Ratio Lower Upper
84 100
56 0.0 104.7 157.1#
41 16.0 64.2 96.2#

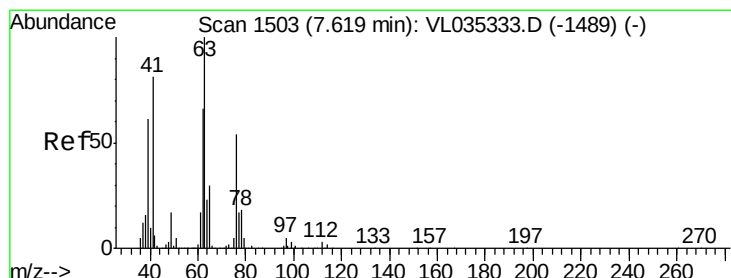
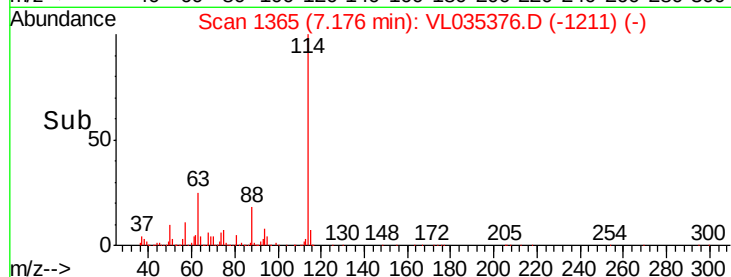
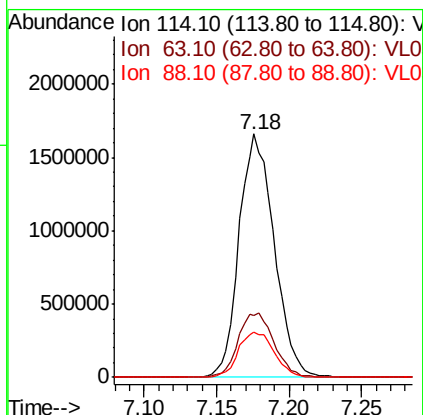
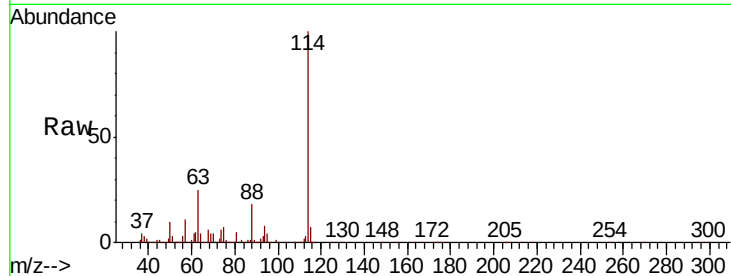




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL035376.D
 Acq: 10 Aug 2020 16:19

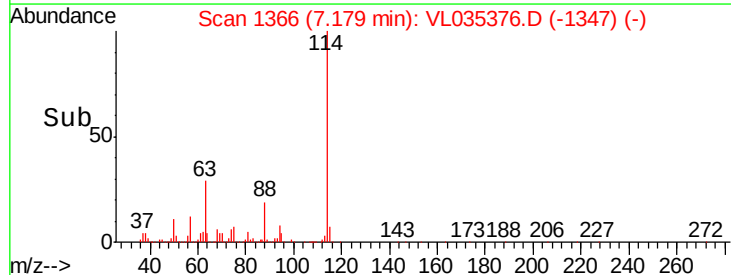
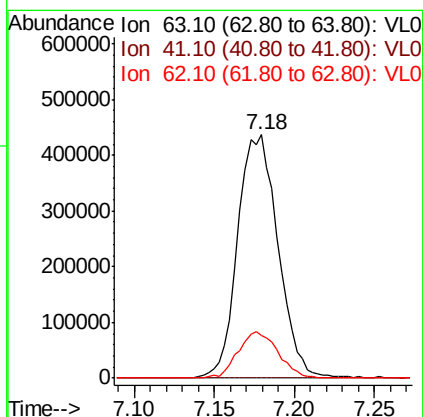
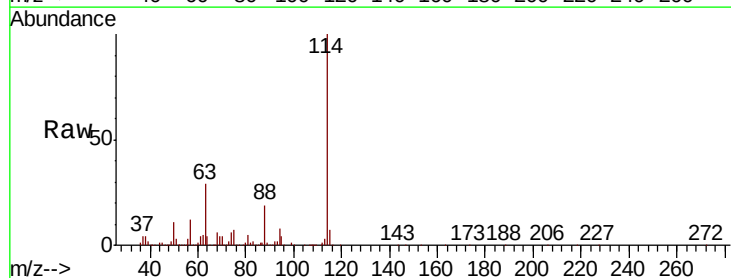
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 QC080320 CAN 10439

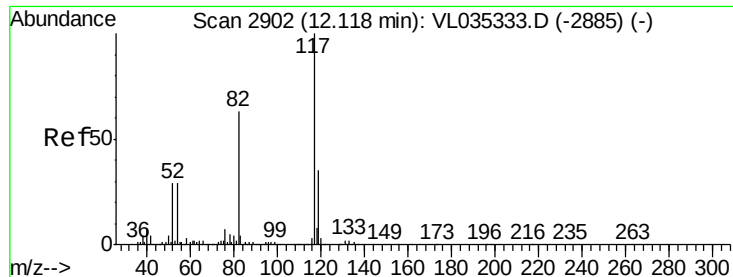
Tot Ion:114 Resp: 2798110
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.3 31.9
 88 19.0 15.3 22.9



#39
 1,2-Dichloropropane
 Concen: 9.806 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL035376.D
 Acq: 10 Aug 2020 16:19

Tgt Ion: 63 Resp: 750032
 Ion Ratio Lower Upper
 63 100
 41 0.1 64.4 96.6#
 62 17.6 52.6 78.8#

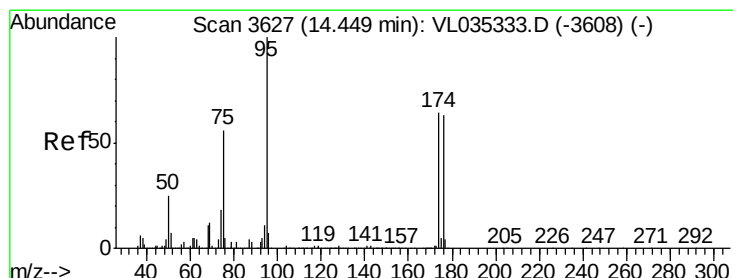
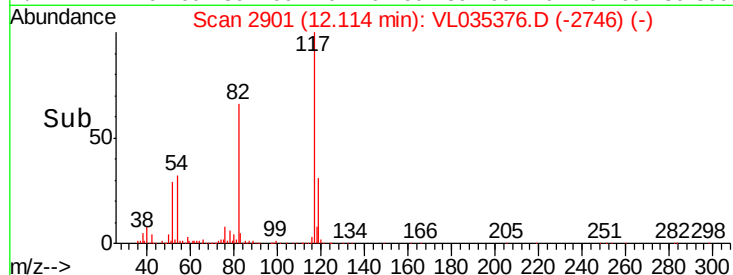
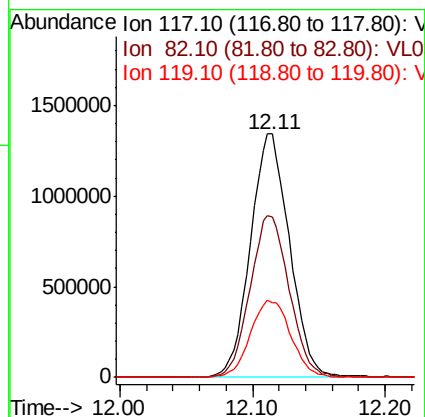
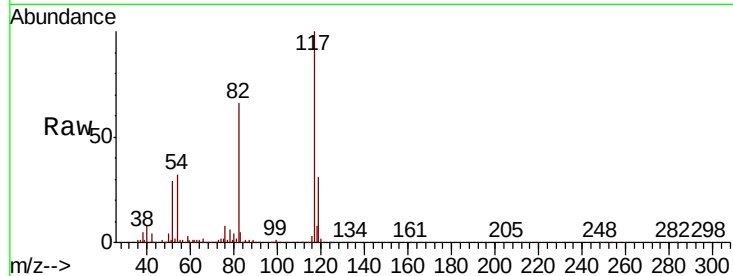




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL035376.D
Acq: 10 Aug 2020 16:19

Instrument :
MSVOA_L
ClientSampleId :
QC080320 CAN 10439

Tot Ion:117 Resp: 2745656
Ion Ratio Lower Upper
117 100
82 67.2 51.0 76.4
119 32.9 24.7 37.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.116 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. 0.00 min
Lab File: VL035376.D
Acq: 10 Aug 2020 16:19

Tgt Ion: 95 Resp: 2316168
Ion Ratio Lower Upper
95 100
174 66.4 53.5 80.3
175 4.8 4.2 6.2

