

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035368.D
 Acq On : 7 Aug 2020 4:25
 Operator : SY/AP
 Sample : OC080320 CAN
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 07 06:31:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	1129886	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2874597	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2830351	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2330947	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

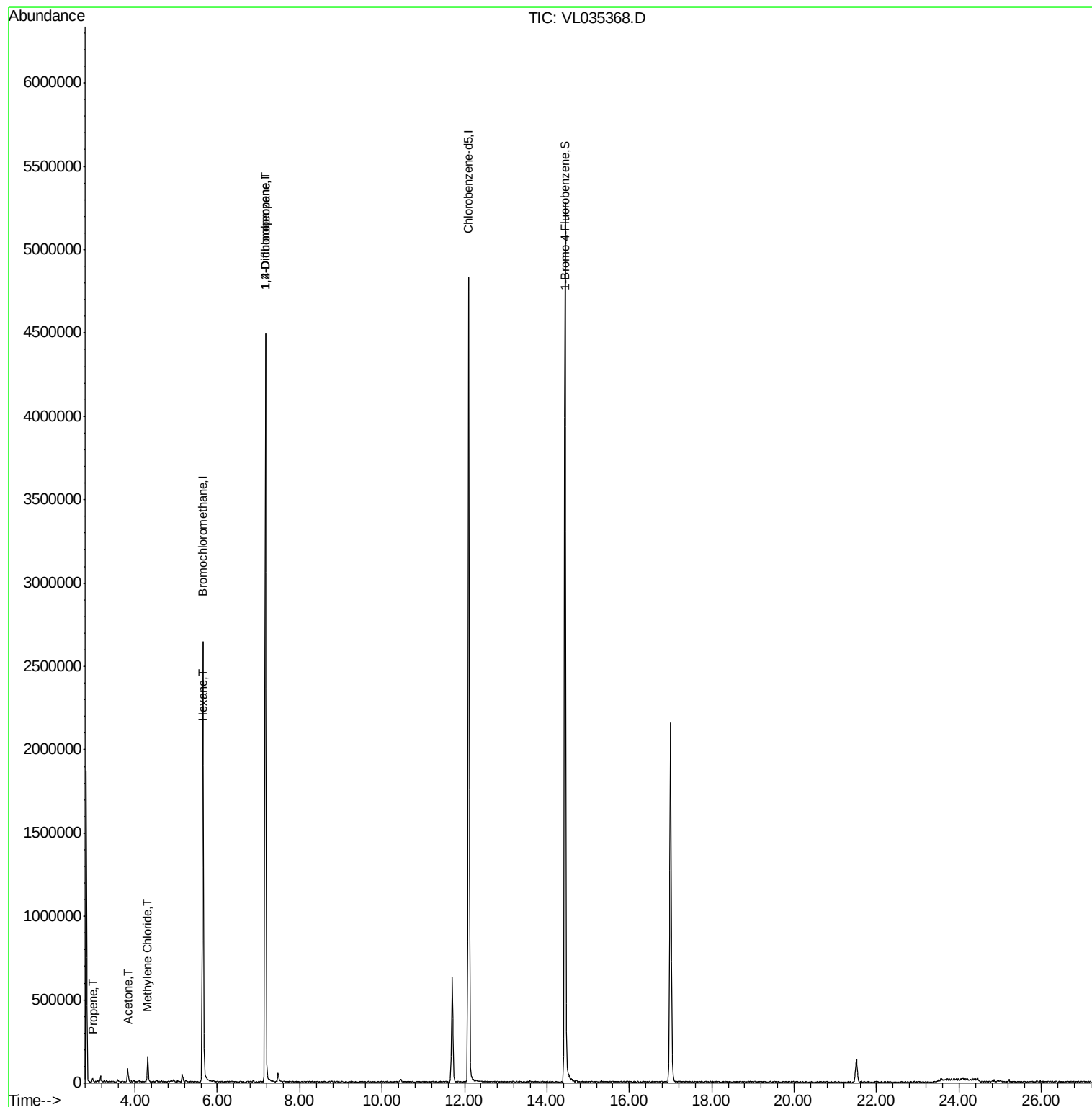
Target Compounds					Ovalue
9) Propene	2.98	41	4640	0.101	ppbv 98
15) Acetone	3.82	43	68093	0.424	ppbv # 73
20) Methylene Chloride	4.31	84	49973	0.764	ppbv # 84
26) Hexane	5.66	57	20184	0.191	ppbv # 41
39) 1,2-Dichloropropane	7.16	63	766871	9.759	ppbv # 24

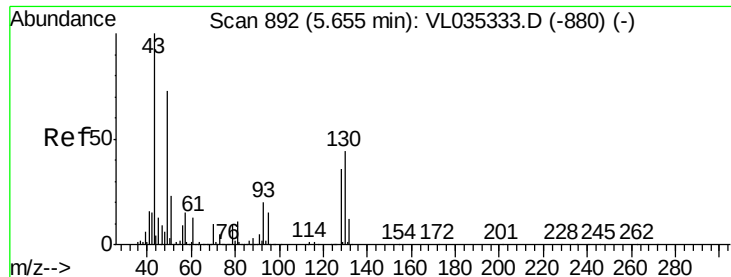
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL035368.D

Acq: 7 Aug 2020 4:25

Instrument :

MSVOA_L

ClientSampleId :

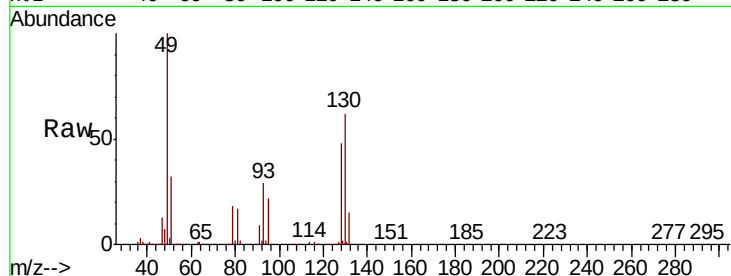
Tot Ion: 49 Resp: 1129886

Ion Ratio Lower Upper

49 100

128 50.9 25.4 76.0

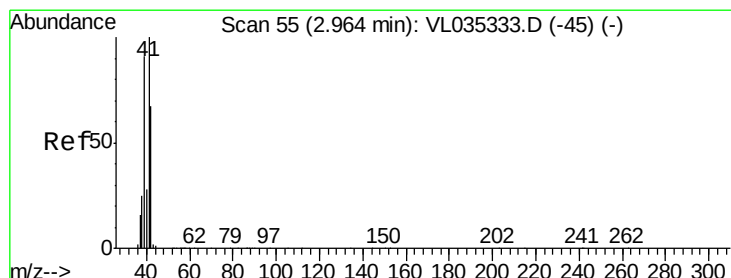
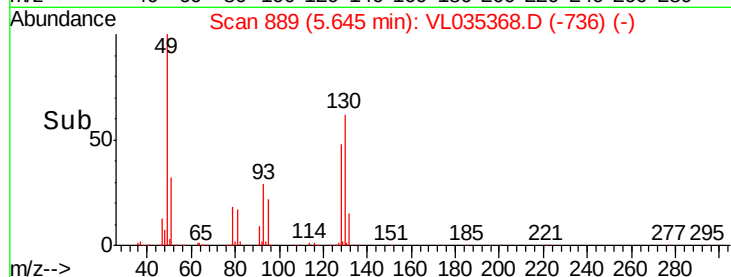
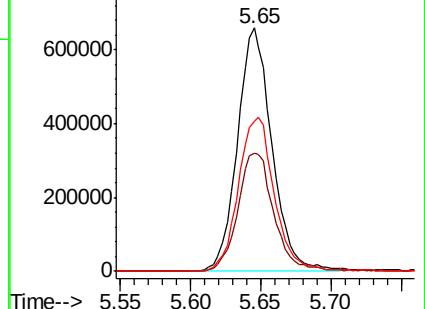
130 66.8 32.1 96.3



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: 0.101 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL035368.D

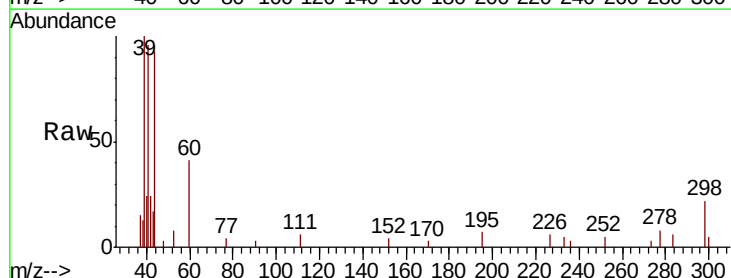
Acq: 7 Aug 2020 4:25

Tgt Ion: 41 Resp: 4640

Ion Ratio Lower Upper

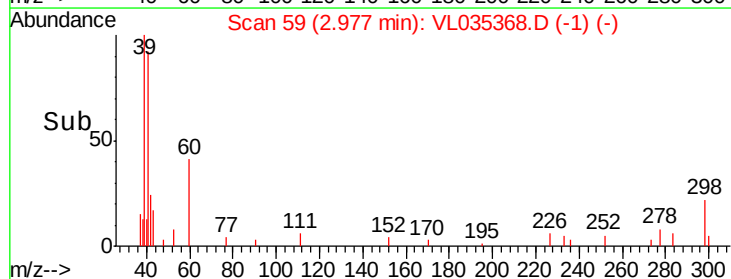
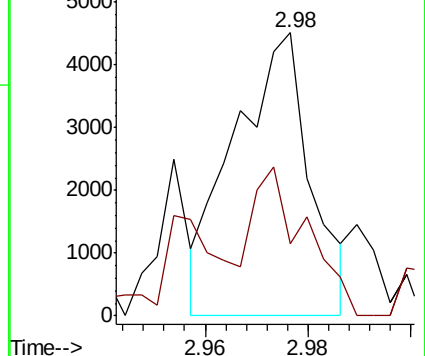
41 100

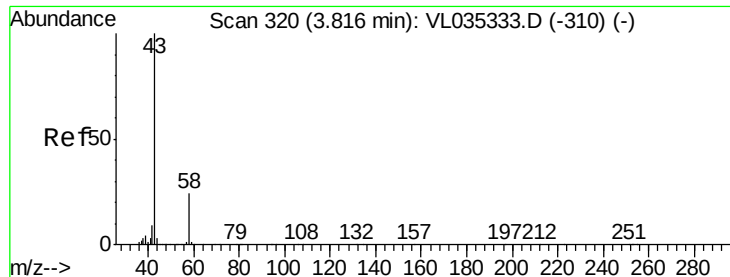
42 67.2 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.424 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.01 min

Lab File: VL035368.D

Acq: 7 Aug 2020 4:25

Instrument :

MSVOA_L

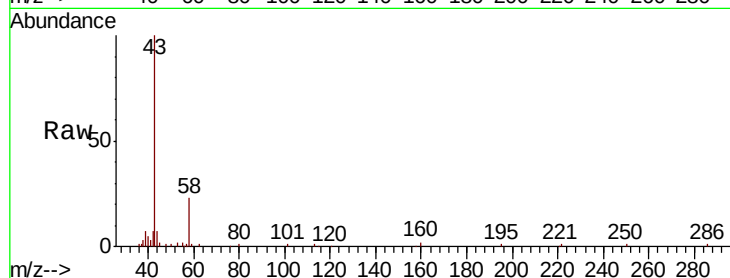
ClientSampled :

Tot Ion: 43 Resp: 68093

Ion Ratio Lower Upper

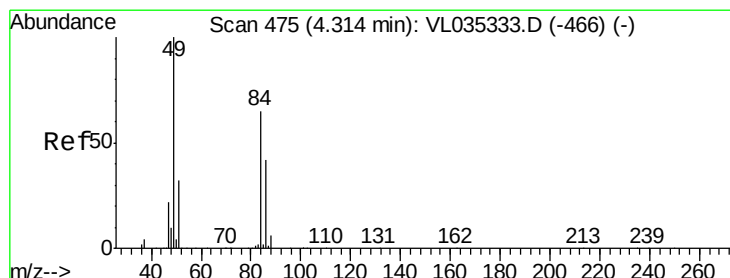
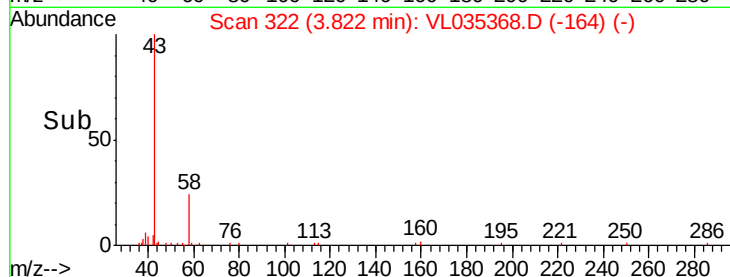
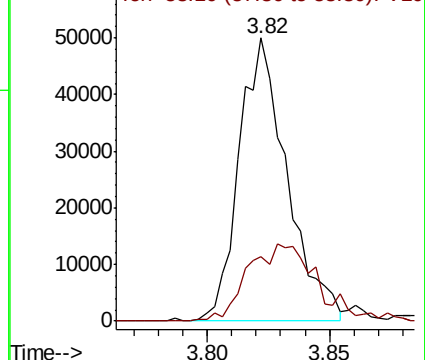
43 100

58 40.2 21.0 31.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.764 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.00 min

Lab File: VL035368.D

Acq: 7 Aug 2020 4:25

Tgt Ion: 84 Resp: 49973

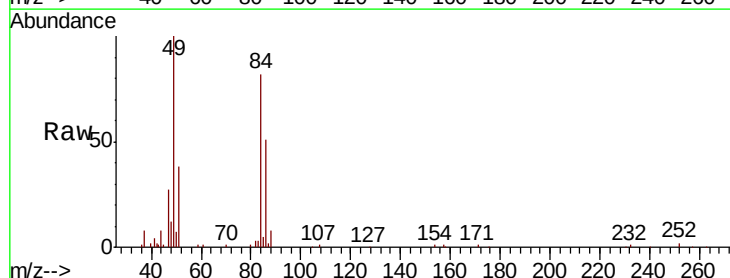
Ion Ratio Lower Upper

84 100

49 121.7 122.8 184.2#

51 46.8 40.1 60.1

86 61.4 51.7 77.5

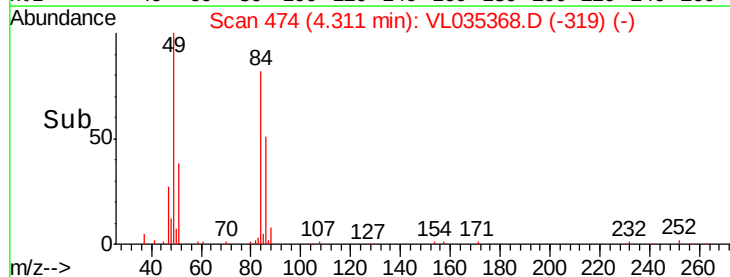
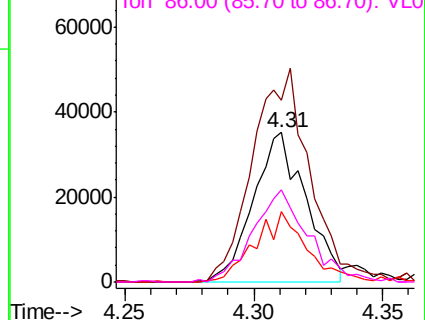


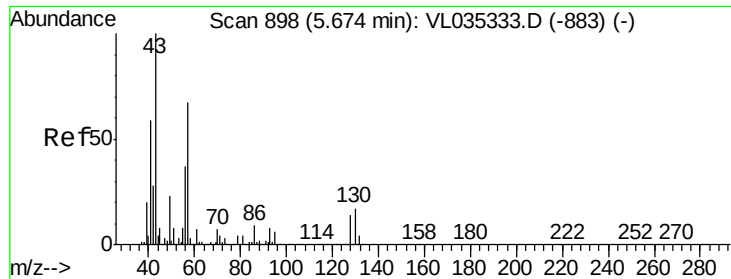
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

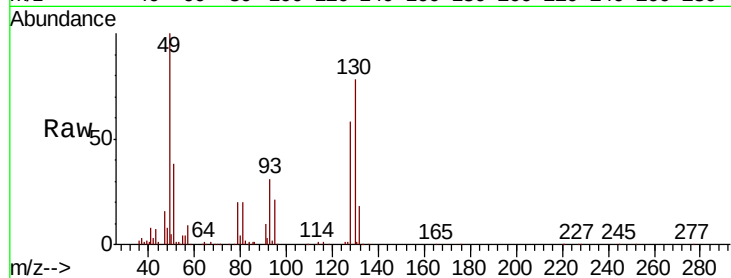




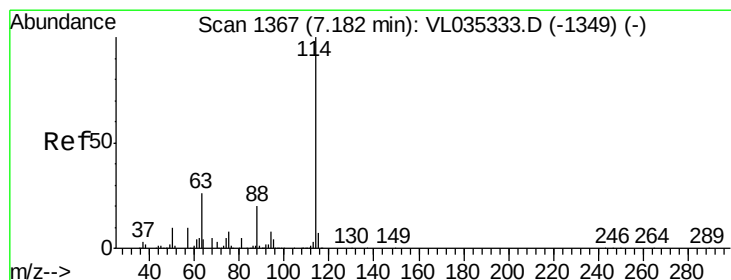
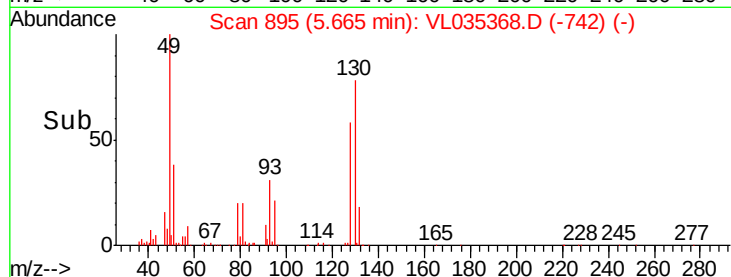
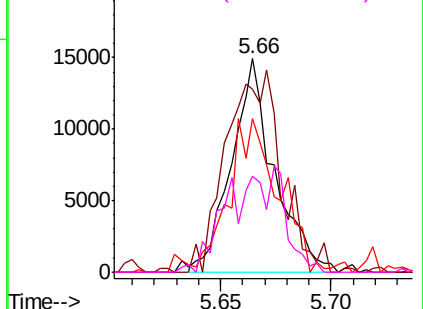
#26
Hexane
Concen: 0.191 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035368.D
Acq: 7 Aug 2020 4:25

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 20184
Ion Ratio Lower Upper
57 100
41 121.6 75.2 112.8#
43 90.9 180.6 270.8#
56 63.7 43.0 64.6

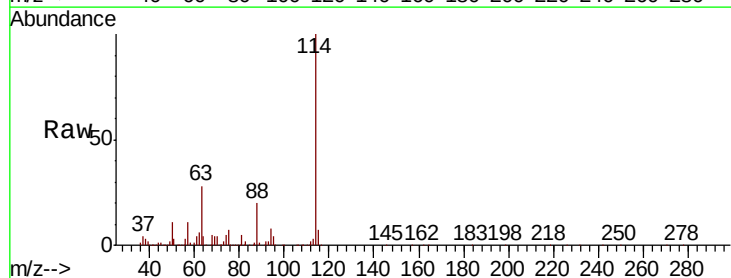


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

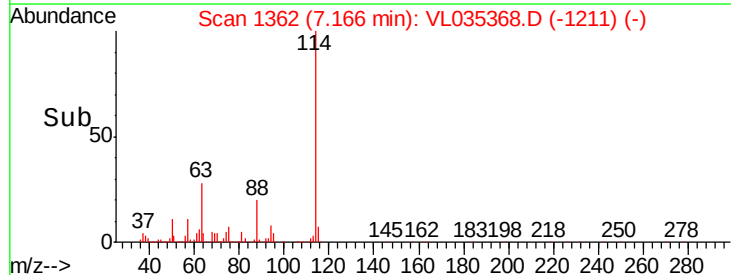
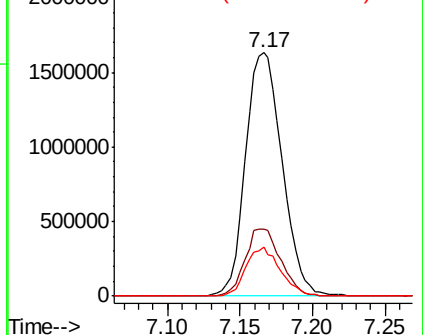


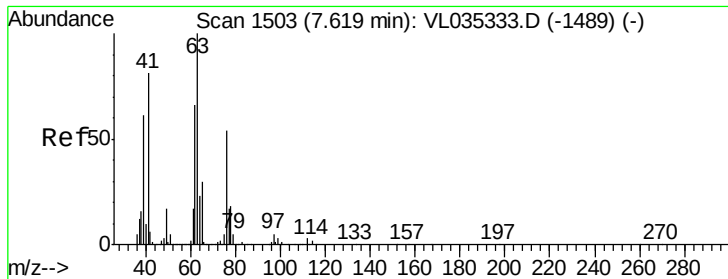
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL035368.D
Acq: 7 Aug 2020 4:25

Tgt Ion: 114 Resp: 2874597
Ion Ratio Lower Upper
114 100
63 27.0 21.3 31.9
88 19.0 15.3 22.9



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





#39

1,2-Dichloropropane

Concen: 9.759 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.46 min

Lab File: VL035368.D

Acq: 7 Aug 2020 4:25

Instrument :

MSVOA_L

ClientSampleId :

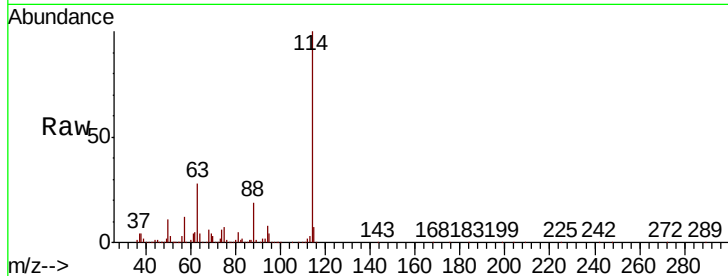
Tot Ion: 63 Resp: 766871

Ion Ratio Lower Upper

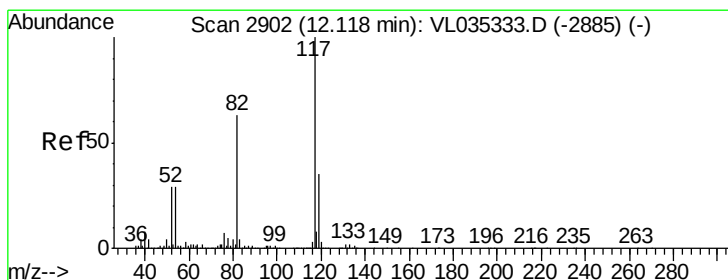
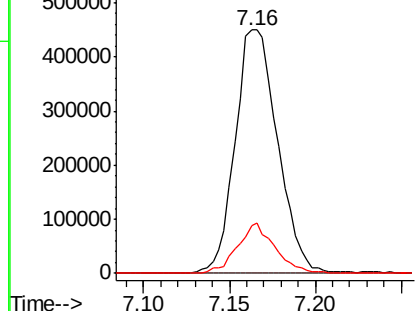
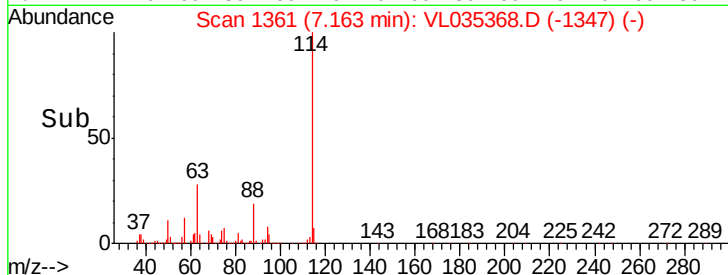
63 100

41 0.1 64.4 96.6#

62 19.4 52.6 78.8#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: VL035368.D

Acq: 7 Aug 2020 4:25

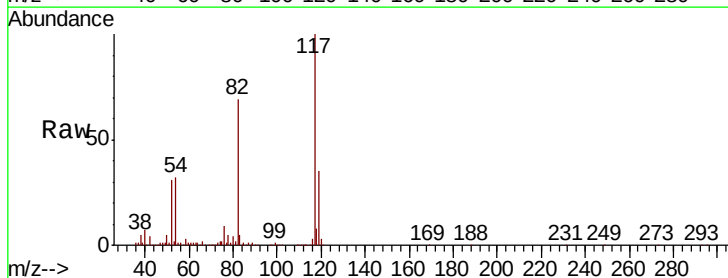
Tgt Ion: 117 Resp: 2830351

Ion Ratio Lower Upper

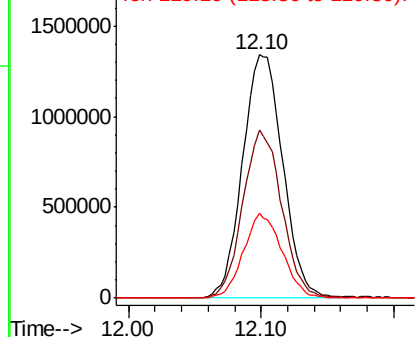
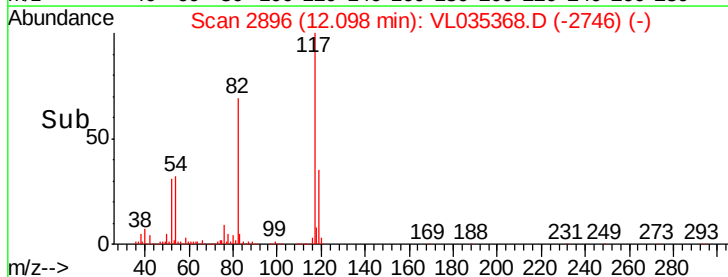
117 100

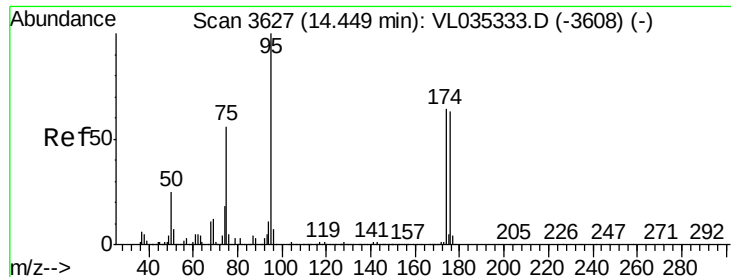
82 67.5 51.0 76.4

119 33.4 24.7 37.1



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





#68

1-Bromo-4-Fluorobenzene

Concen: 9.876 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035368.D

Acq: 7 Aug 2020 4:25

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2330947

Ion Ratio Lower Upper

95 100

174 66.3 53.5 80.3

175 4.8 4.2 6.2

