

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035979.D
 Acq On : 18 Nov 2020 18:45
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Nov 19 08:11:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1129659	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3960995	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.04	117	3682220	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2752573	10.52	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

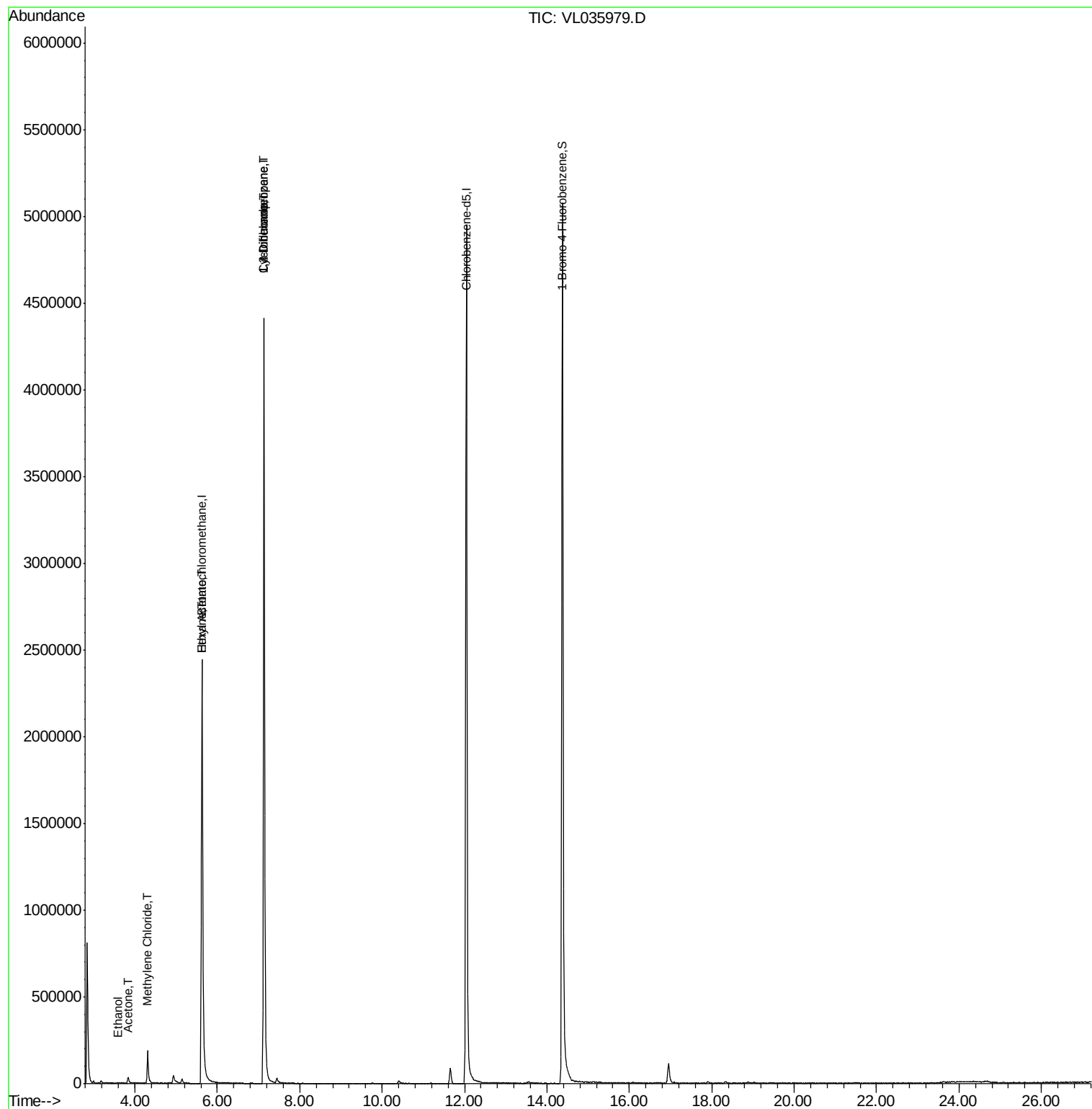
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	1327	0.124	ppbv #	1
15) Acetone	3.83	43	33934	0.281	ppbv #	50
20) Methylene Chloride	4.31	84	95379	1.122	ppbv	92
25) Ethyl Acetate	5.64	43	7321	0.031	ppbv #	80
26) Hexane	5.64	57	11557	0.088	ppbv #	1
30) Cyclohexane	7.12	84	11021	0.077	ppbv #	9
39) 1,2-Dichloropropane	7.13	63	805094	8.121	ppbv #	31

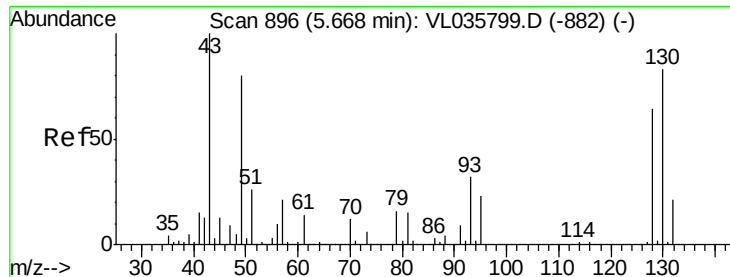
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 883

Delta R.T. -0.04 min

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Instrument :

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ClientSampleId :

VIBLK

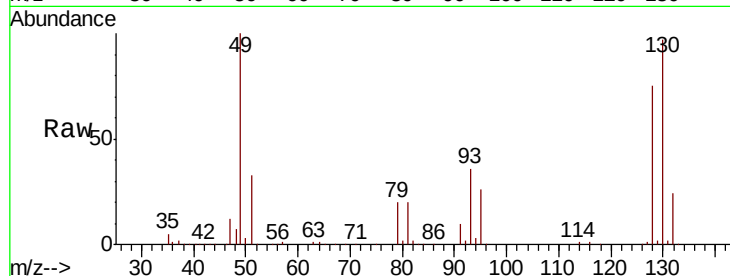
Tot Ion: 49 Resp: 1129659

Ion Ratio Lower Upper

49 100

128 77.1 41.5 124.6

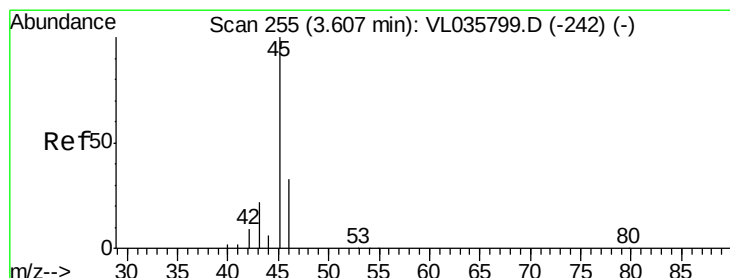
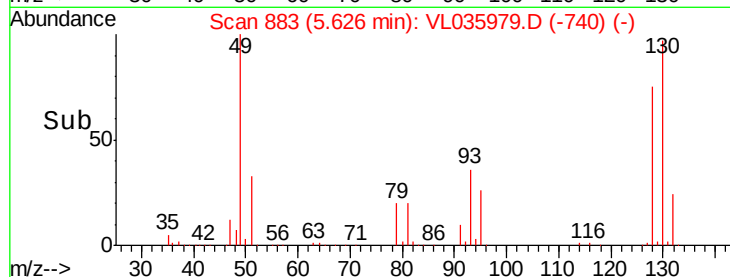
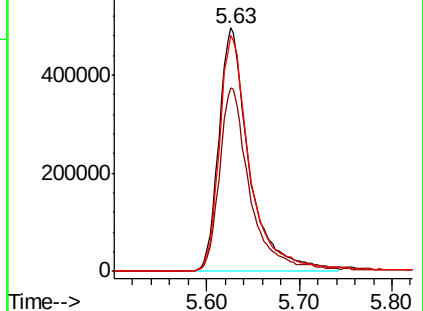
130 99.9 53.7 161.1



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



#13

Ethanol

Concen: 0.124 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.03 min

Lab File: VL035979.D

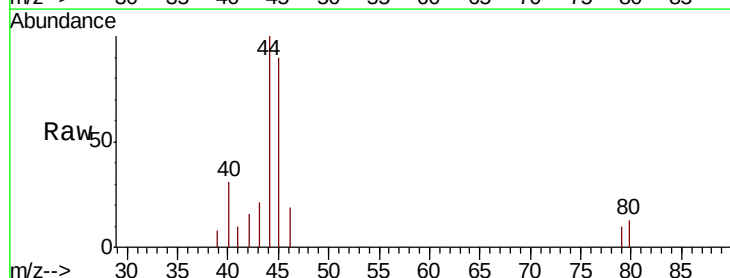
Acq: 18 Nov 2020 18:45

Tgt Ion: 45 Resp: 1327

Ion Ratio Lower Upper

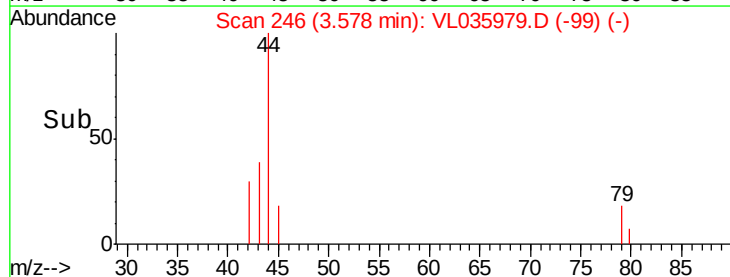
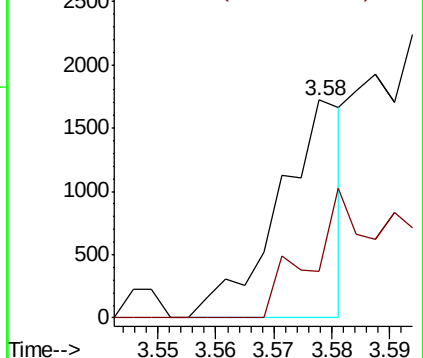
45 100

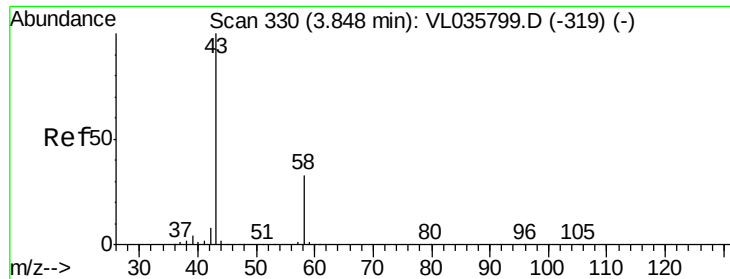
46 152.5 16.1 64.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.281 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.02 min

Lab File: VL035799.D

Acq: 18 Nov 2020 18:45

Instrument :

MSVOA_L

ClientSampleId :

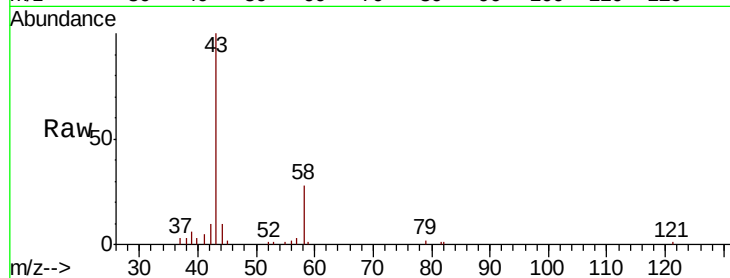
VIBLK

Tot Ion: 43 Resp: 33934

Ion Ratio Lower Upper

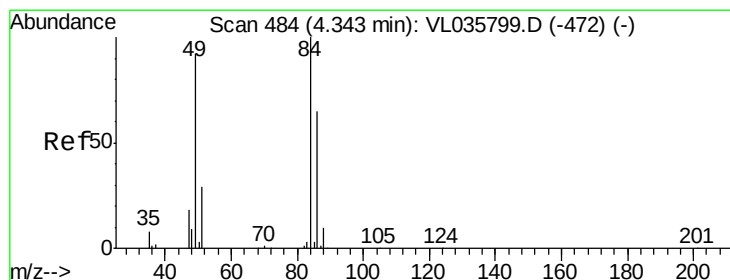
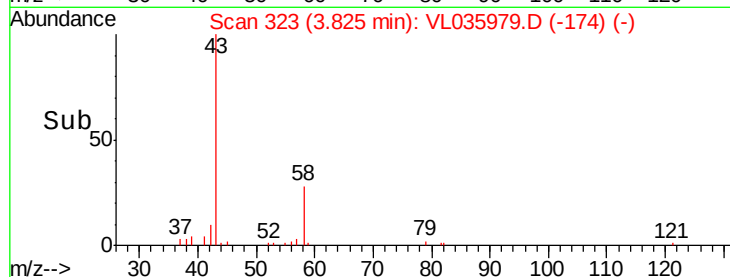
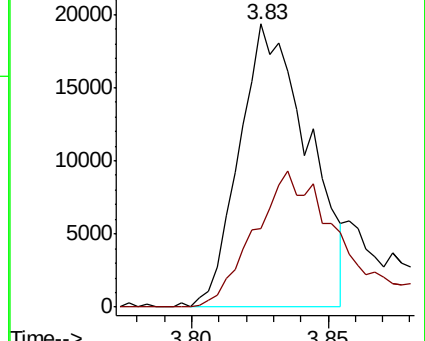
43 100

58 63.5 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.122 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.04 min

Lab File: VL035799.D

Acq: 18 Nov 2020 18:45

Tgt Ion: 84 Resp: 95379

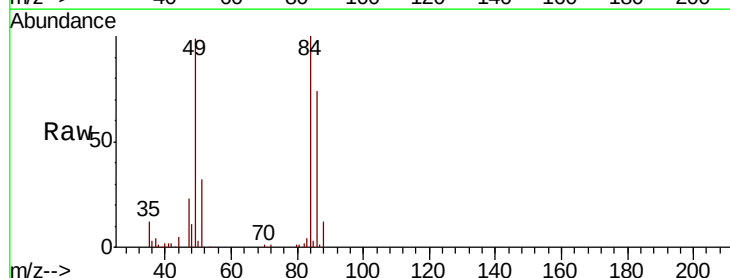
Ion Ratio Lower Upper

84 100

49 98.9 73.8 110.8

51 32.5 23.0 34.4

86 73.6 52.1 78.1

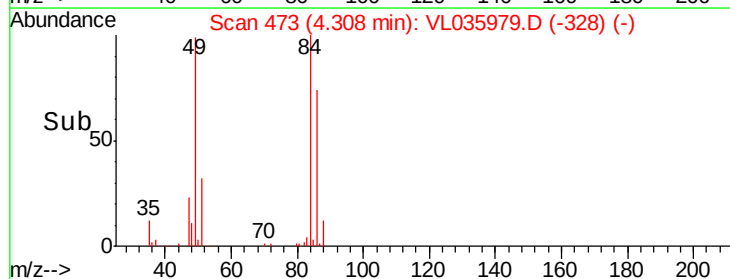
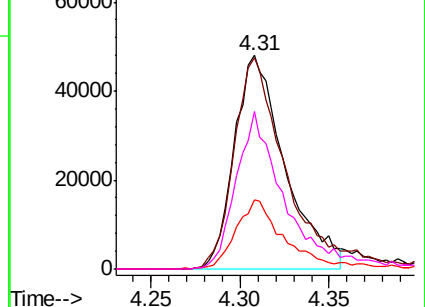


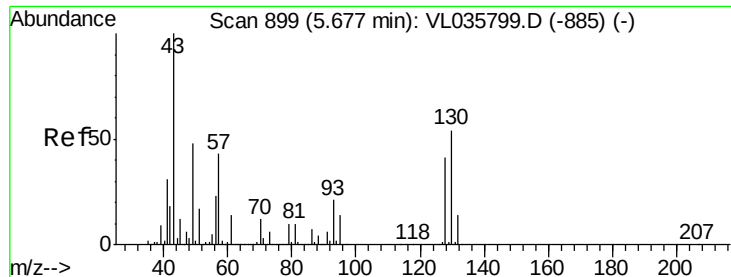
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#25

Ethyl Acetate

Concen: 0.031 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.04 min

Lab File: VL035979.D

Acq: 18 Nov 2020 18:45

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 43 Resp: 7321

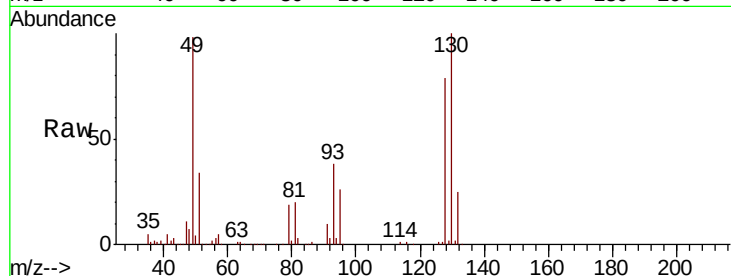
Ion Ratio Lower Upper

43 100

45 6.3 8.5 12.7#

61 1.0 10.7 16.1#

70 5.6 8.6 12.8#

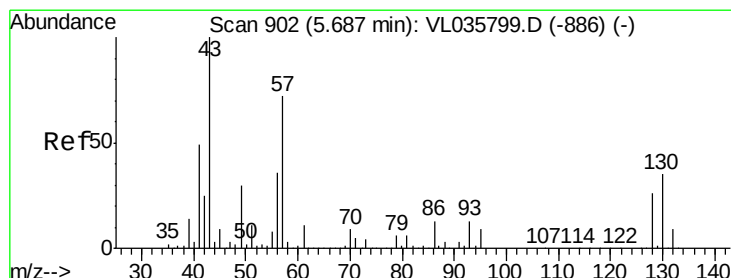
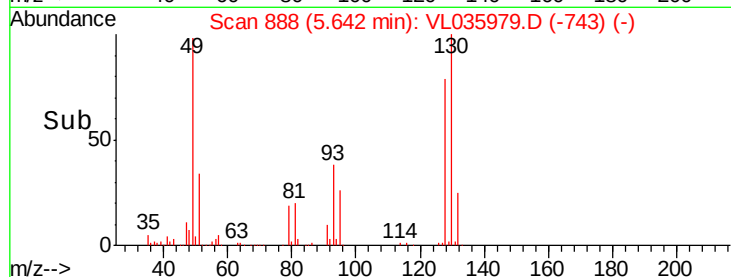
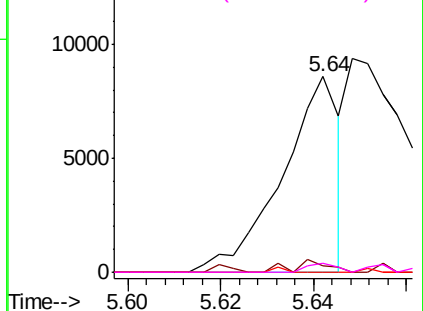


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.088 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.04 min

Lab File: VL035979.D

Acq: 18 Nov 2020 18:45

Tgt Ion: 57 Resp: 11557

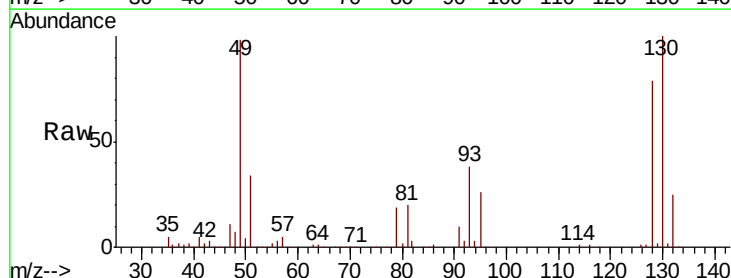
Ion Ratio Lower Upper

57 100

41 0.0 58.9 88.3#

43 0.0 150.2 225.2#

56 0.0 42.4 63.6#

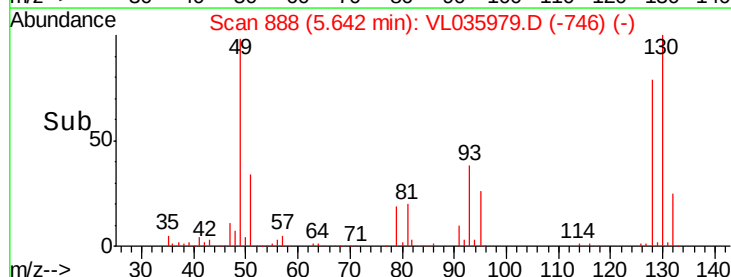
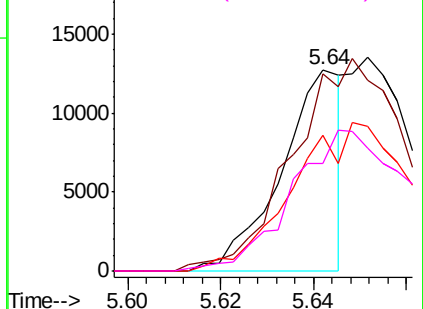


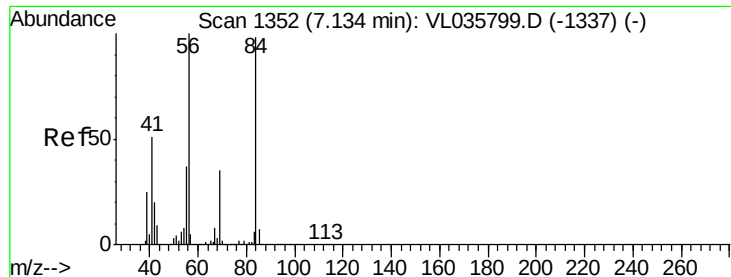
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

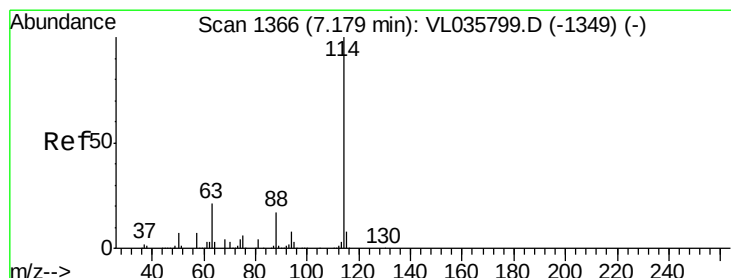
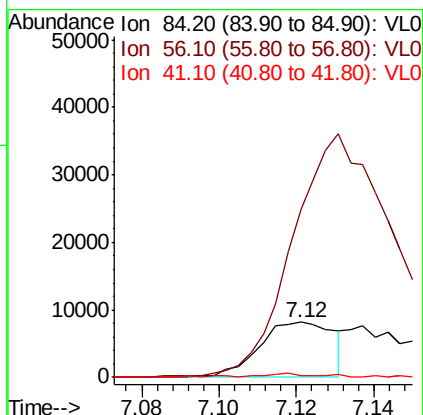
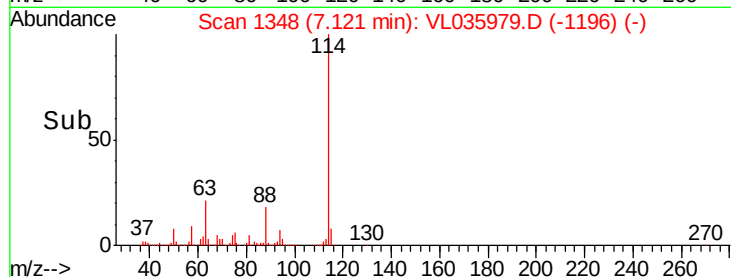
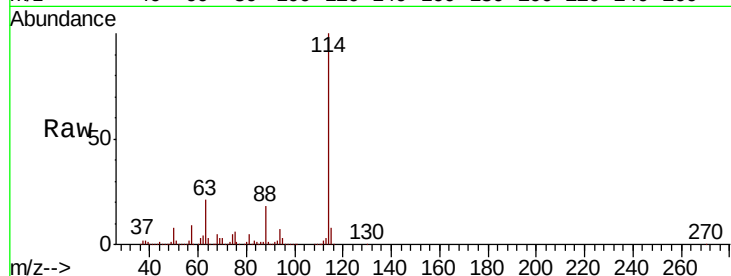




#30
Cyclohexane
Concen: 0.077 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035979.D
Acq: 18 Nov 2020 18:45

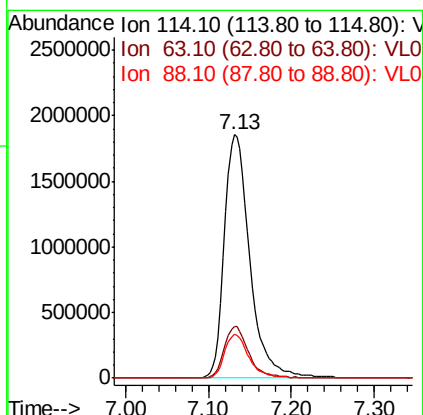
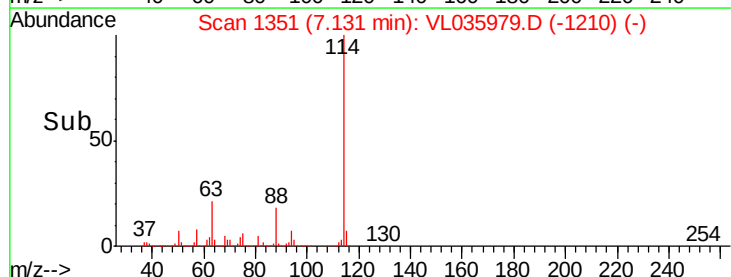
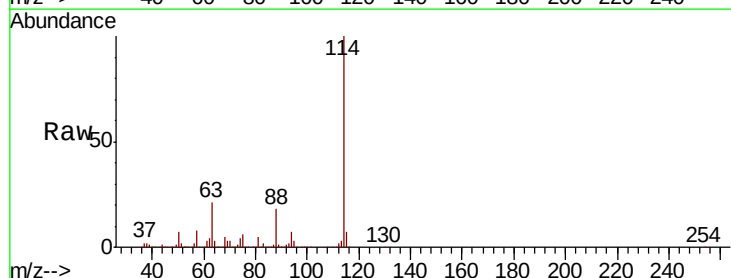
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

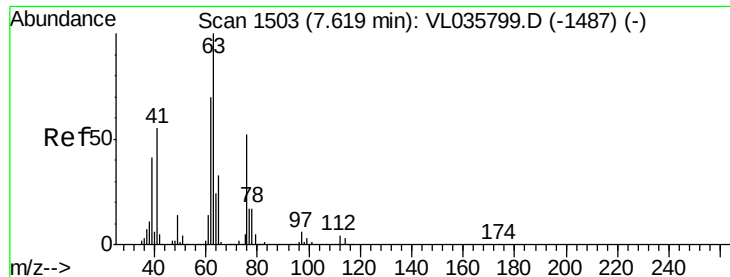
Tot Ion: 84 Resp: 11021
Ion Ratio Lower Upper
84 100
56 0.0 86.4 129.6#
41 5.3 42.1 63.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.05 min
Lab File: VL035979.D
Acq: 18 Nov 2020 18:45

Tgt Ion: 114 Resp: 3960995
Ion Ratio Lower Upper
114 100
63 20.8 16.1 24.1
88 17.3 13.7 20.5





#39

1,2-Dichloropropane

Concen: 8.121 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. -0.49 min

Lab File: VL035979.D

Acq: 18 Nov 2020 18:45

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

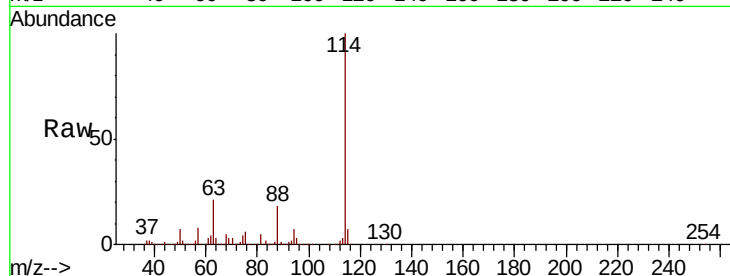
Tot Ion: 63 Resp: 805094

Ion Ratio Lower Upper

63 100

41 0.1 43.8 65.6#

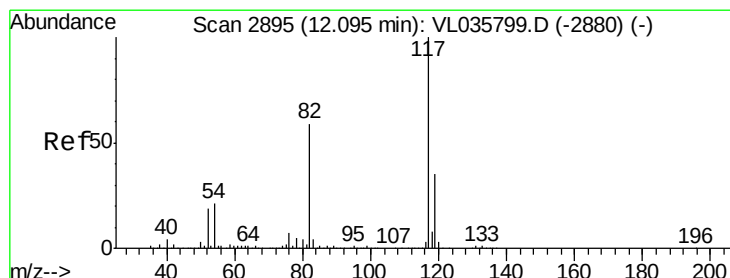
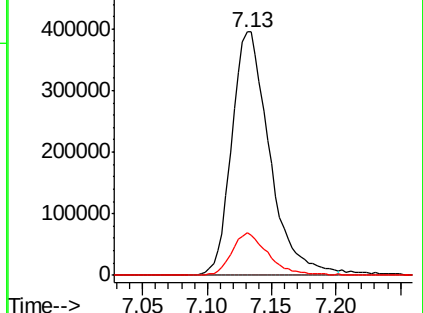
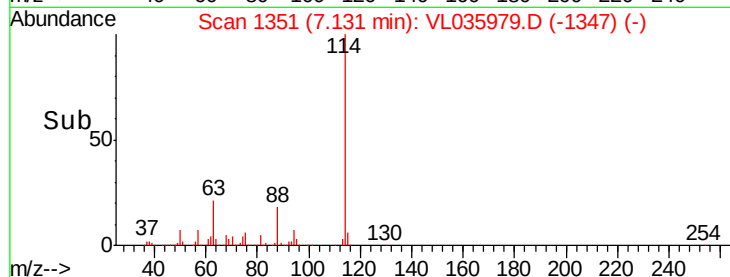
62 17.7 56.2 84.2#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.04 min Scan# 2879

Delta R.T. -0.05 min

Lab File: VL035979.D

Acq: 18 Nov 2020 18:45

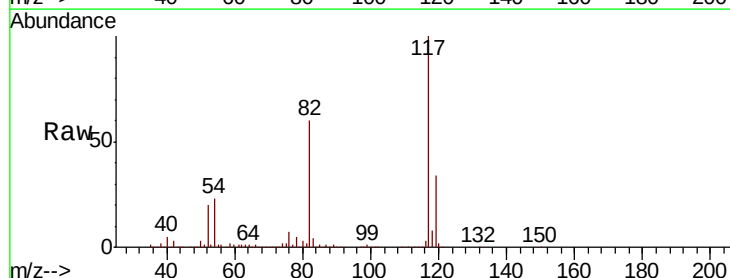
Tgt Ion: 117 Resp: 3682220

Ion Ratio Lower Upper

117 100

82 61.7 50.6 76.0

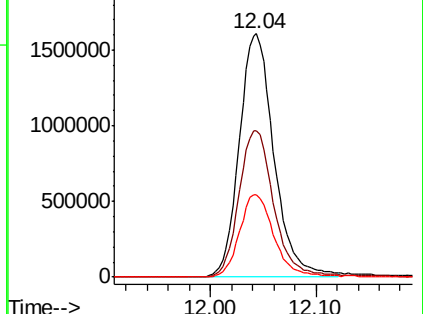
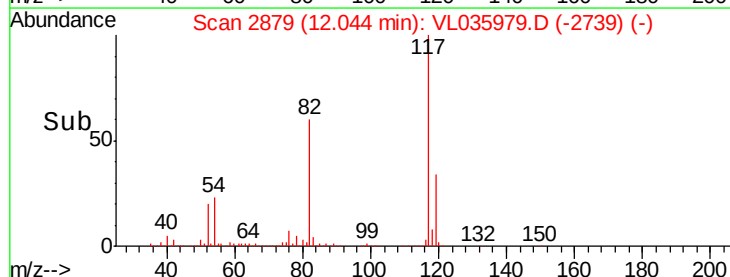
119 34.0 52.6 78.8#

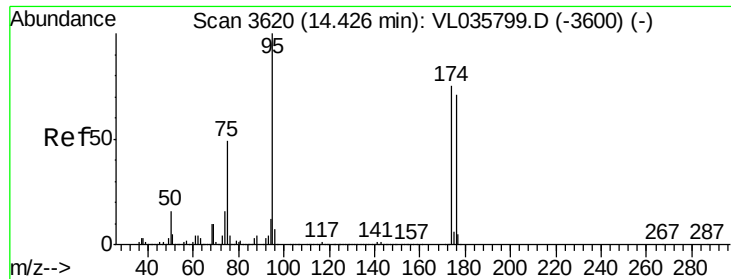


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.522 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.05 min

Lab File: VL035979.D

Acq: 18 Nov 2020 18:45

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

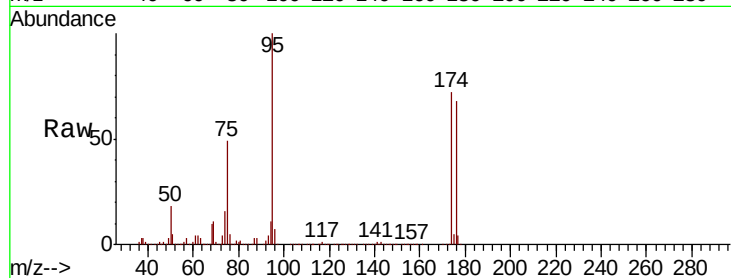
Tot Ion: 95 Resp: 2752573

Ion Ratio Lower Upper

95 100

174 72.5 59.8 89.6

175 5.0 4.3 6.5



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

