

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036780.D
 Acq On : 9 Apr 2021 18:48
 Operator : SY/AP
 Sample : M1987-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GOI-AA(2021)DL

Quant Time: Apr 10 02:01:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1292683	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3150838	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2530563	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1612165	7.99	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.90%

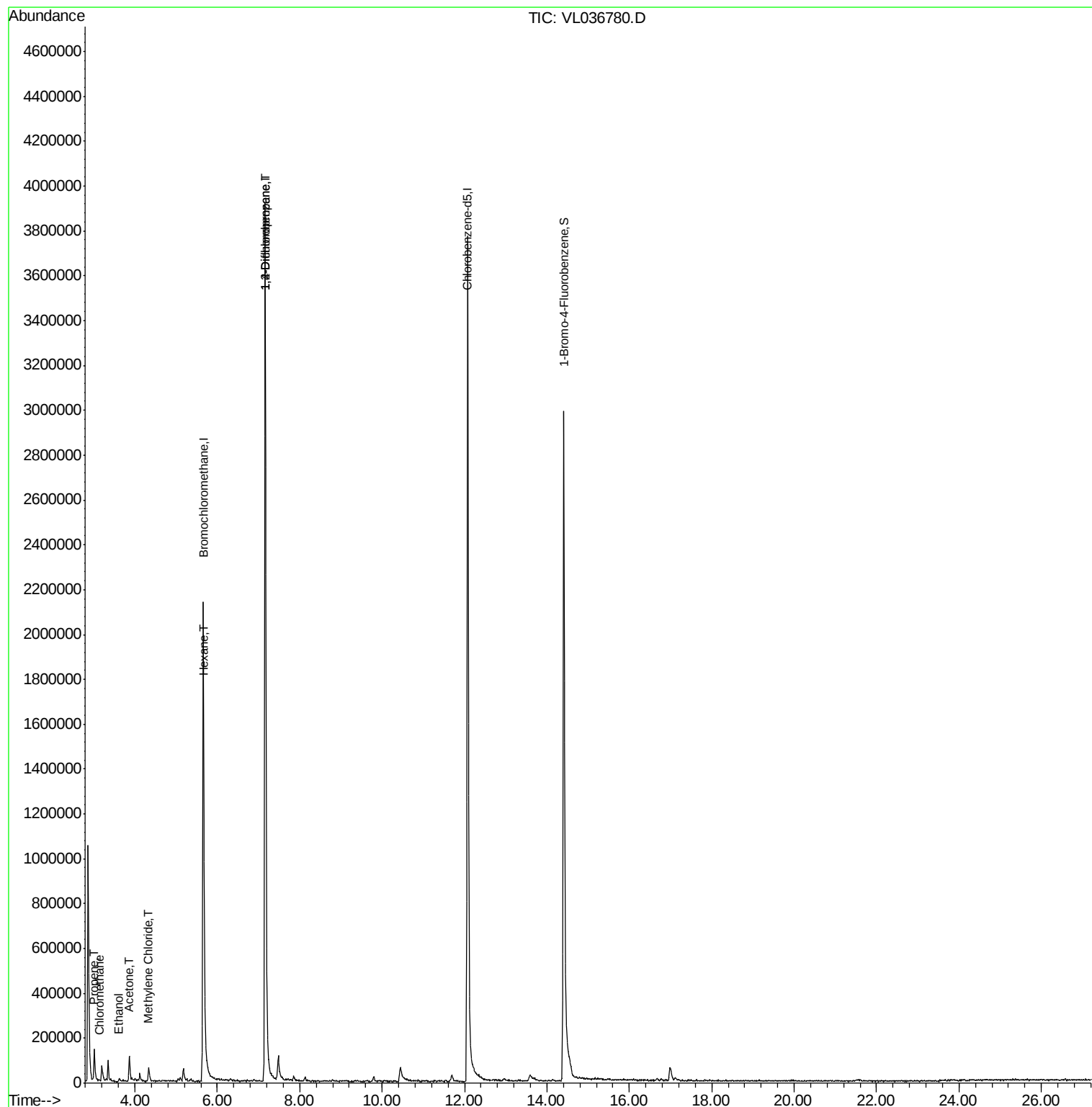
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.13	50	3141	0.037	ppbv	96
9) Propene	3.02	41	44519	0.578	ppbv #	77
13) Ethanol	3.61	45	2872	0.313	ppbv #	34
15) Acetone	3.86	43	30239	0.238	ppbv #	48
20) Methylene Chloride	4.34	84	21547	0.362	ppbv #	87
26) Hexane	5.68	57	6553	0.047	ppbv #	38
39) 1,2-Dichloropropane	7.16	63	852960	7.236	ppbv #	23

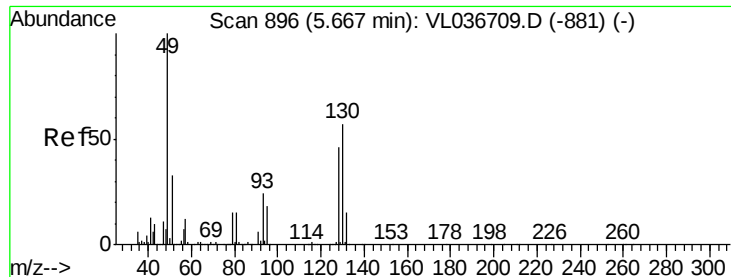
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

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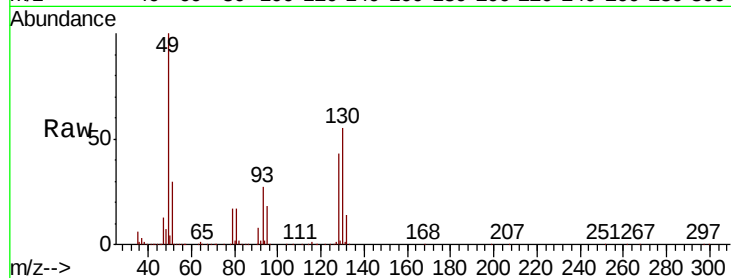
Tot Ion: 49 Resp: 1292683

Ion Ratio Lower Upper

49 100

128 47.5 23.5 70.6

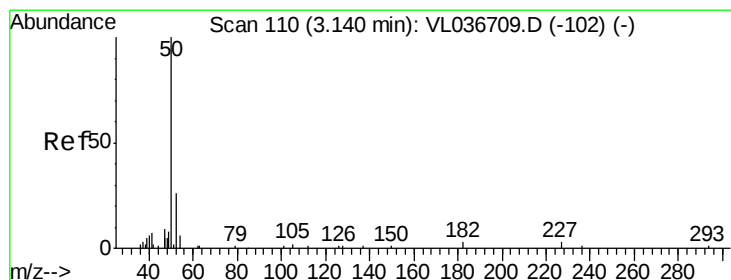
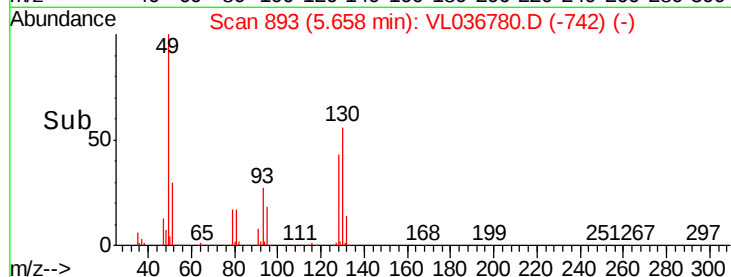
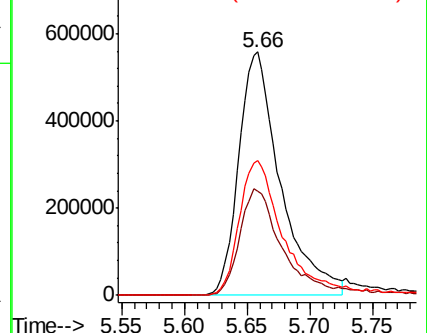
130 59.3 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#4

Chloromethane

Concen: 0.037 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL036780.D

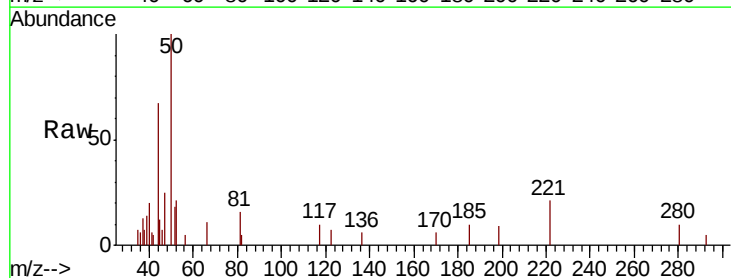
Acq: 9 Apr 2021 18:48

Tgt Ion: 50 Resp: 3141

Ion Ratio Lower Upper

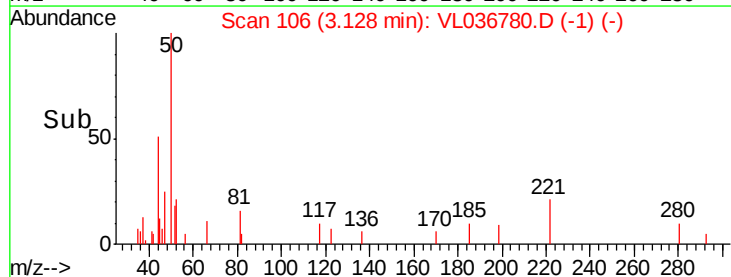
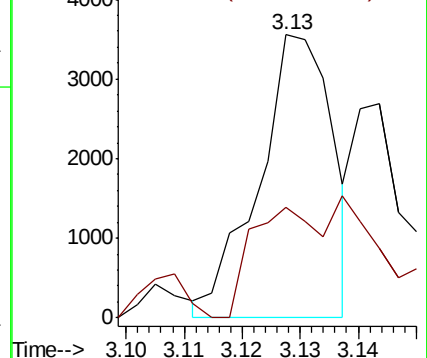
50 100

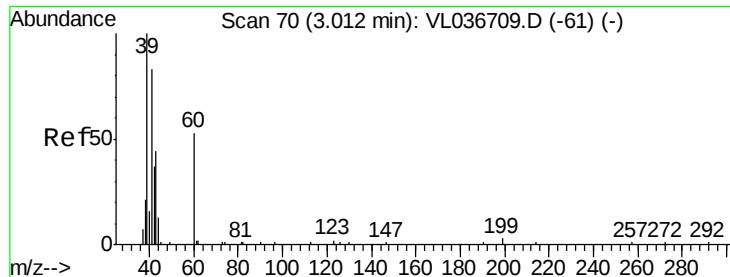
52 36.0 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.578 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036780.D

Acq: 9 Apr 2021 18:48

Instrument :

MSVOA_L

ClientSampleId :

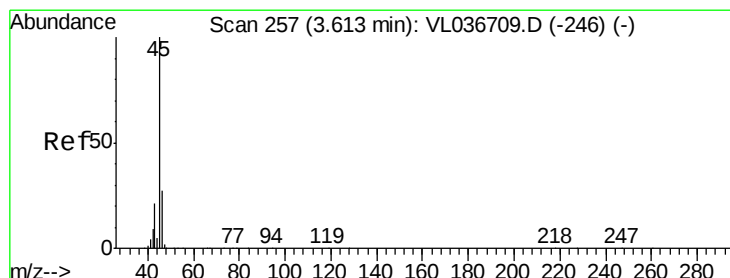
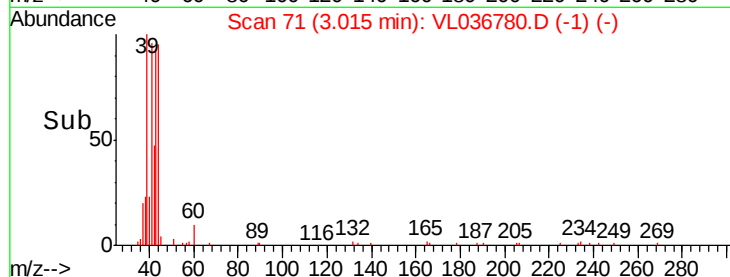
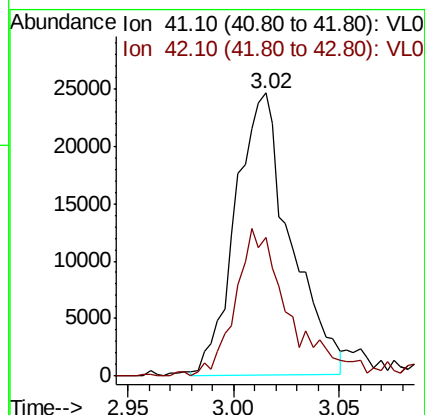
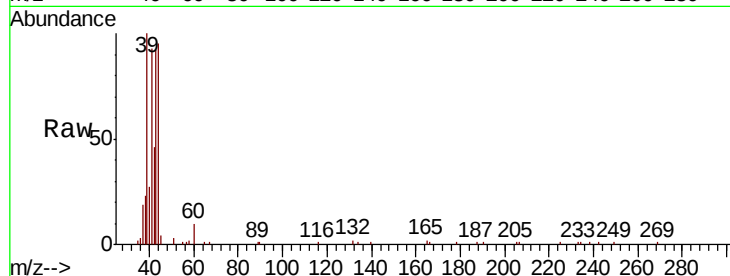
GOI-AA(2021)DL

Tot Ion: 41 Resp: 44519

Ion Ratio Lower Upper

41 100

42 52.1 57.0 85.4#



#13

Ethanol

Concen: 0.313 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036780.D

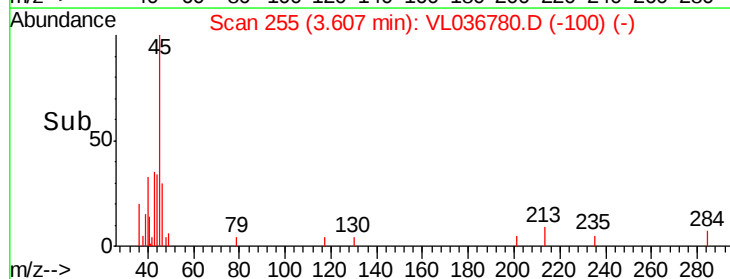
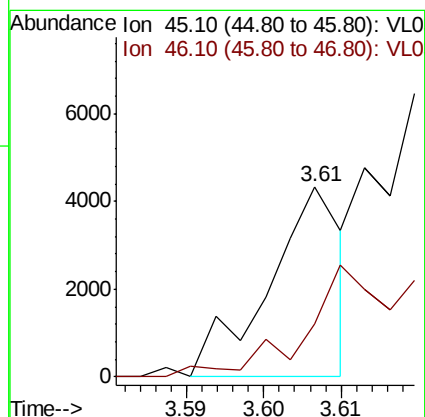
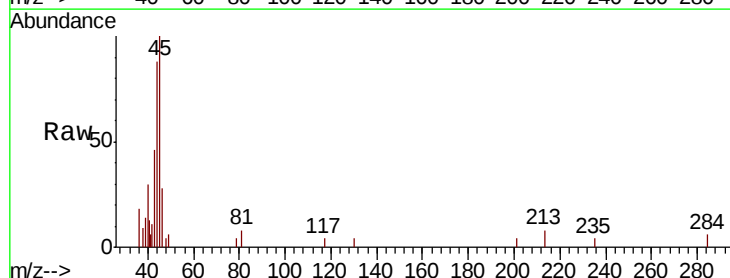
Acq: 9 Apr 2021 18:48

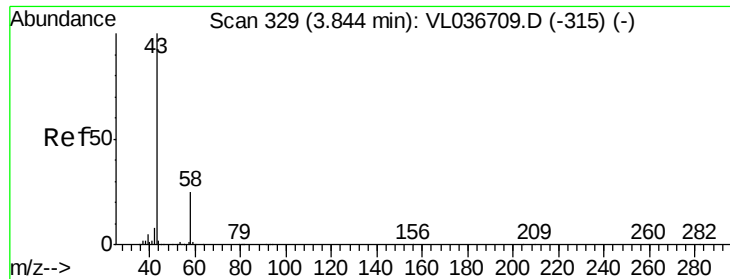
Tgt Ion: 45 Resp: 2872

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#

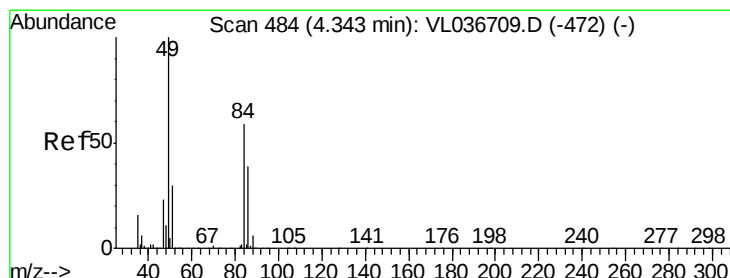
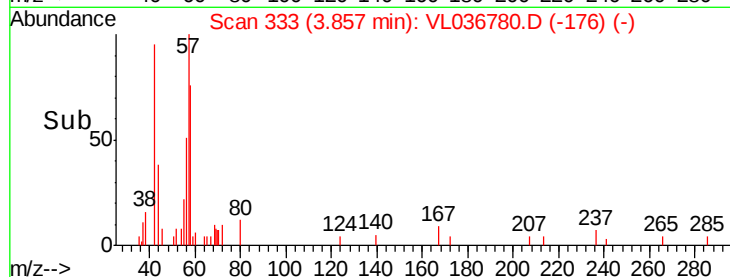
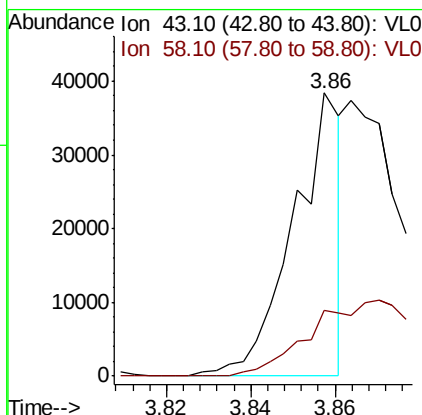
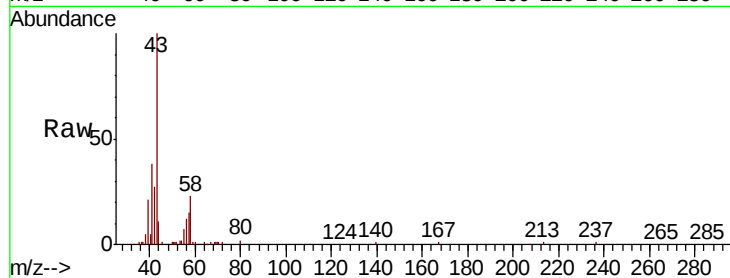




#15
Acetone
Concen: 0.238 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036780.D
Acq: 9 Apr 2021 18:48

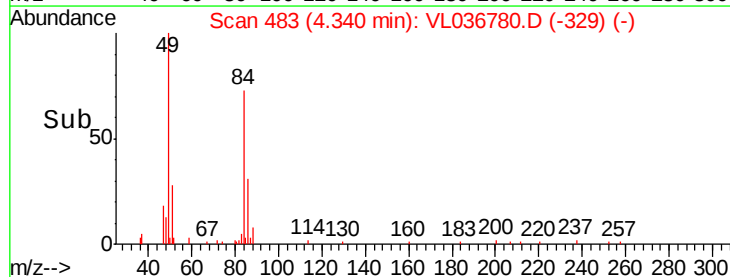
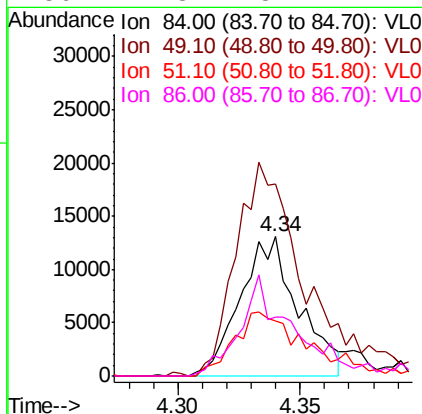
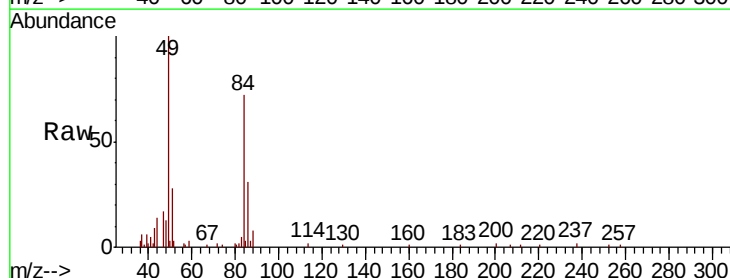
Instrument :
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ClientSampleId :
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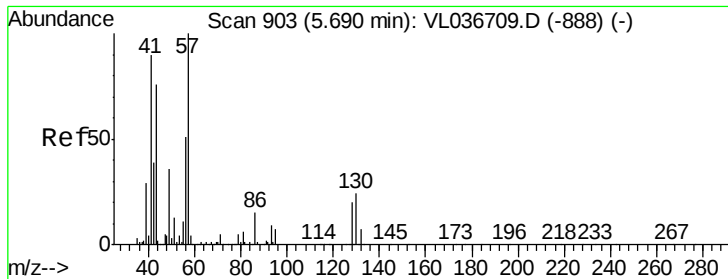
Tot Ion: 43 Resp: 30239
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#20
Methylene Chloride
Concen: 0.362 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036780.D
Acq: 9 Apr 2021 18:48

Tgt Ion: 84 Resp: 21547
Ion Ratio Lower Upper
84 100
49 138.5 122.9 184.3
51 42.6 36.9 55.3
86 42.3 48.2 72.4#





#26

Hexane

Concen: 0.047 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL036780.D

Acq: 9 Apr 2021 18:48

Instrument :

MSVOA_L

ClientSampleId :

GOI-AA(2021)DL

Tot Ion: 57 Resp: 6553

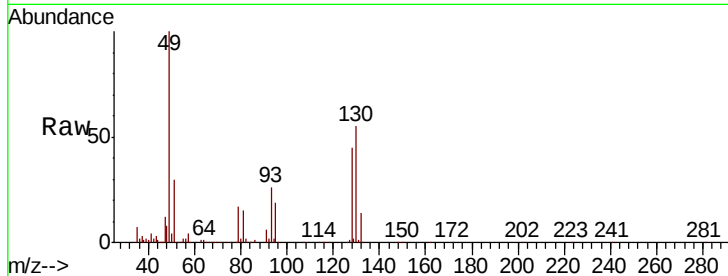
Ion Ratio Lower Upper

57 100

41 0.0 77.2 115.8#

43 242.8 173.8 260.6

56 186.9 43.8 65.6#

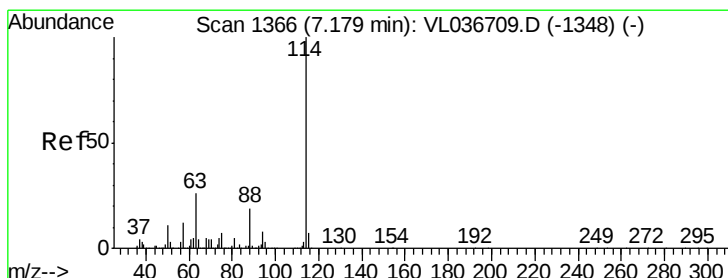
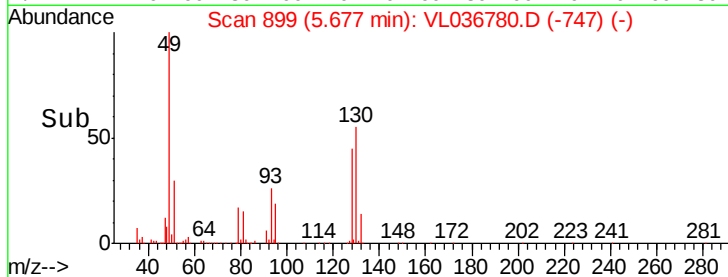
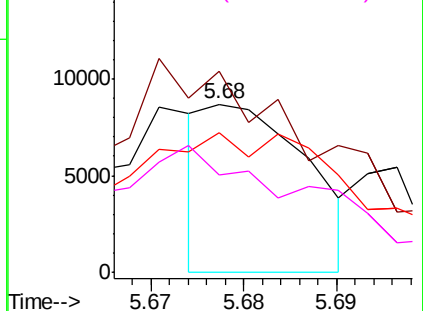


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 7.16 min Scan# 1361

Delta R.T. -0.02 min

Lab File: VL036780.D

Acq: 9 Apr 2021 18:48

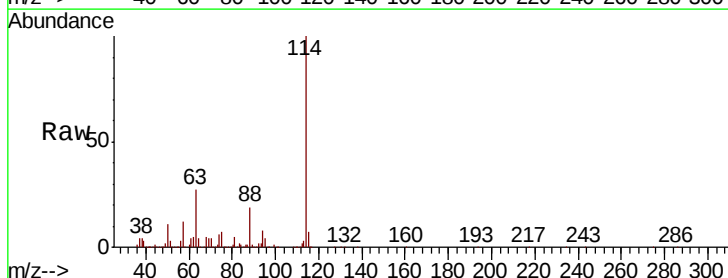
Tgt Ion:114 Resp: 3150838

Ion Ratio Lower Upper

114 100

63 27.8 22.4 33.6

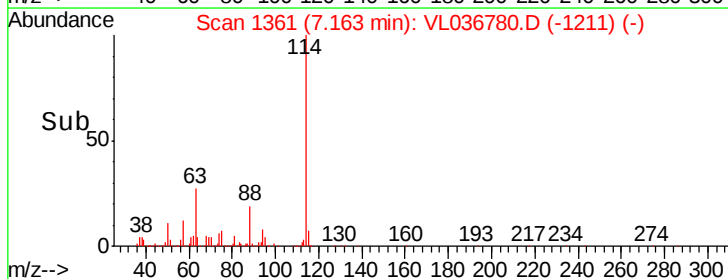
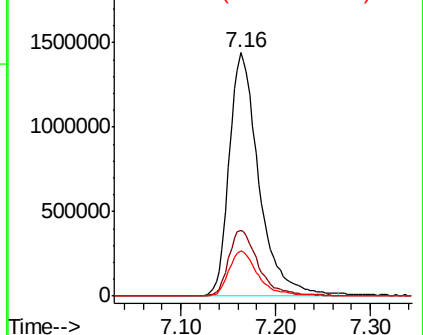
88 18.8 15.4 23.0

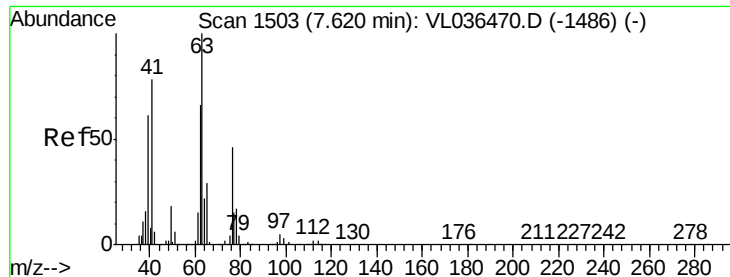


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.236 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.46 min

Lab File: VL036780.D

Acq: 9 Apr 2021 18:48

Instrument :

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ClientSampleId :

GOI-AA(2021)DL

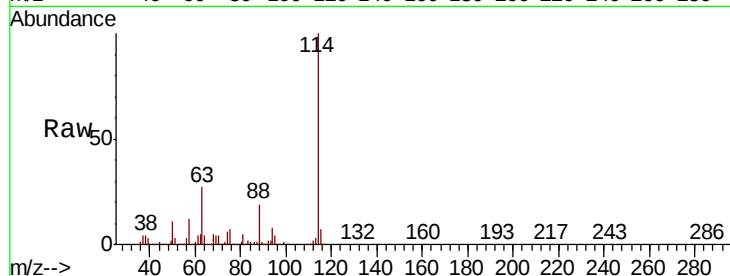
Tot Ion: 63 Resp: 852960

Ion Ratio Lower Upper

63 100

41 0.1 62.4 93.6#

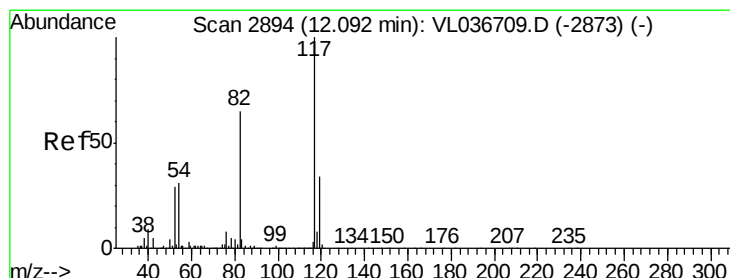
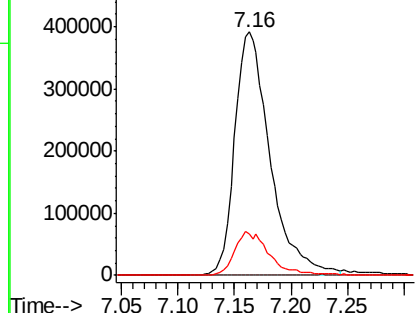
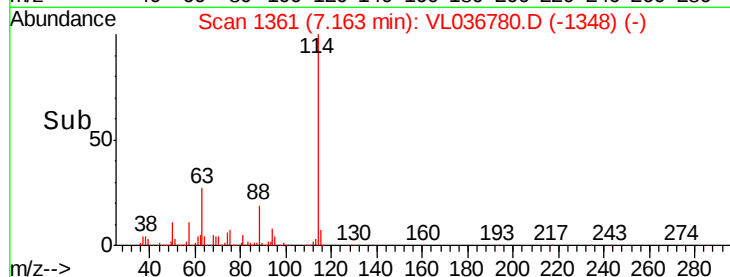
62 16.9 52.8 79.2#



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: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL036780.D

Acq: 9 Apr 2021 18:48

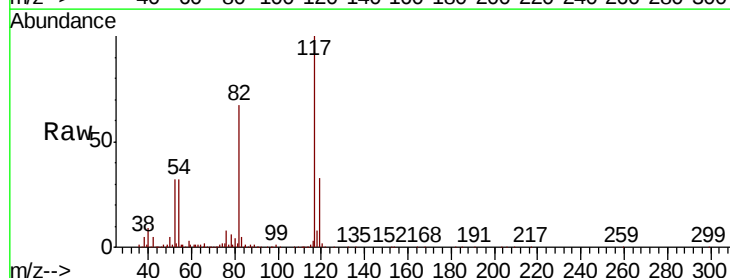
Tgt Ion: 117 Resp: 2530563

Ion Ratio Lower Upper

117 100

82 67.8 57.4 86.0

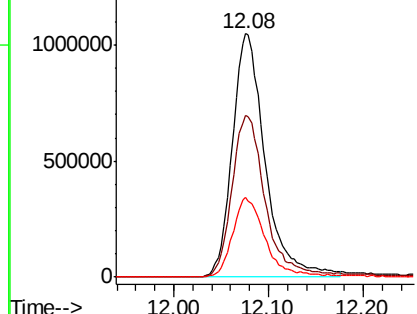
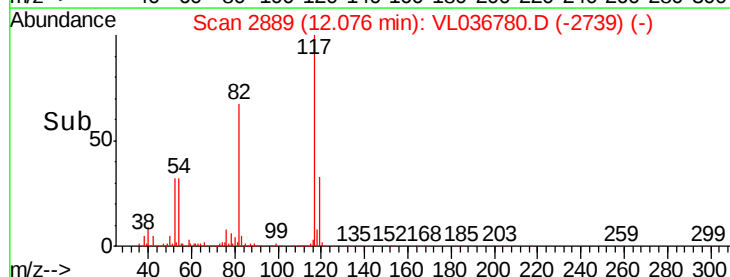
119 33.3 47.4 71.0#

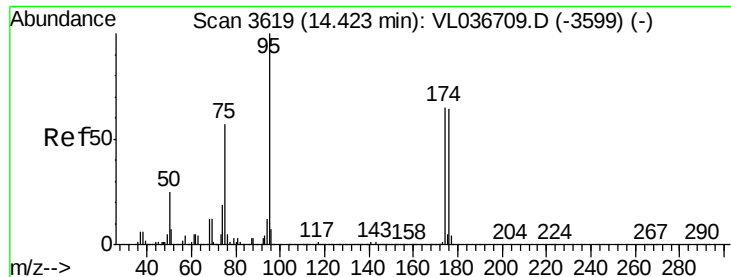


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 7.993 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036780.D

Acq: 9 Apr 2021 18:48

Instrument :

MSVOA_L

ClientSampleId :

GOI-AA(2021)DL

Tot Ion: 95 Resp: 1612165

Ion Ratio Lower Upper

95 100

174 67.3 51.0 76.6

175 4.9 3.9 5.9

