

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036778.D
 Acq On : 9 Apr 2021 17:28
 Operator : SY/AP
 Sample : M1987-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GOI-IA-6(2021)DL

Quant Time: Apr 10 02:01:06 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	5.65	49	1326396	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3258613	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2586708	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1607196	7.80	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.00%

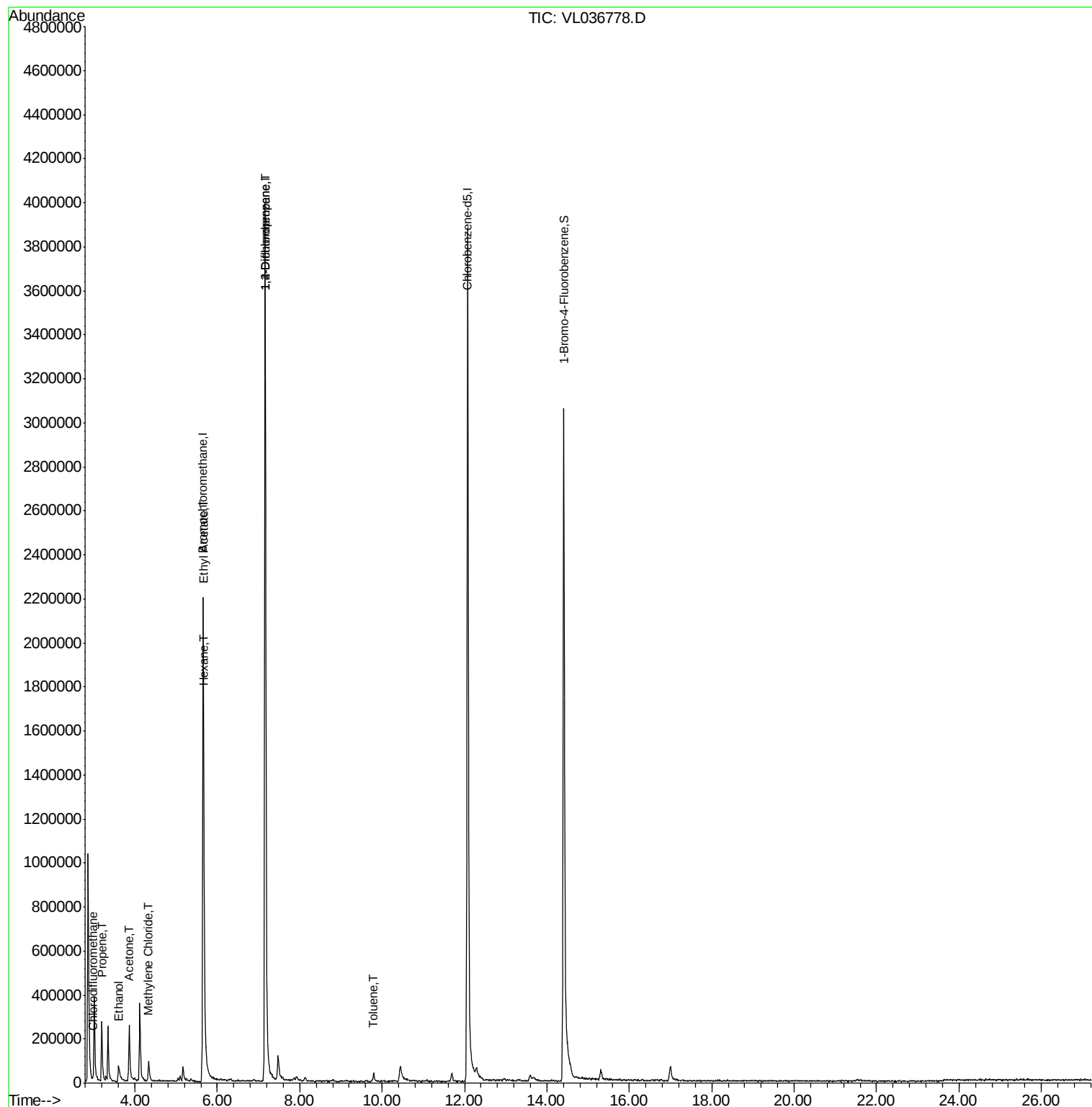
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	10290	0.042	ppbv	96
9) Propene	3.20	41	91790	1.162	ppbv	100
13) Ethanol	3.61	45	58079	6.173	ppbv #	42
15) Acetone	3.86	43	139506	1.069	ppbv	100
20) Methylene Chloride	4.33	84	26204	0.429	ppbv	91
25) Ethyl Acetate	5.67	43	15982	0.051	ppbv #	91
26) Hexane	5.68	57	32590	0.226	ppbv #	45
39) 1,2-Dichloropropane	7.16	63	870817	7.143	ppbv #	24
53) Toluene	9.79	91	15356	0.048	ppbv #	20

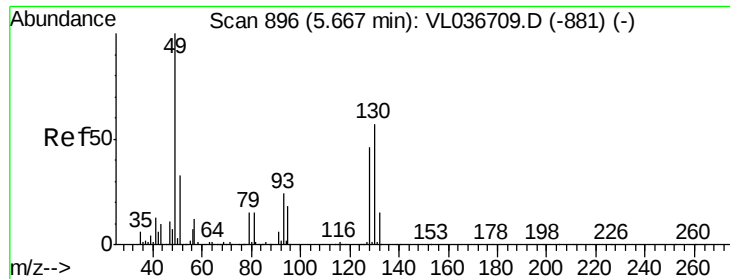
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036778.D

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MSVOA_L

ClientSampleId :

GOI-IA-6(2021)DL

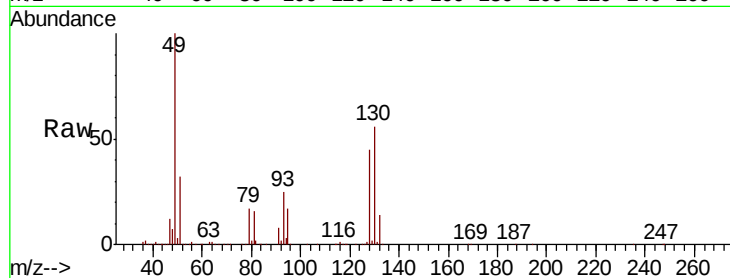
Tot Ion: 49 Resp: 1326396

Ion Ratio Lower Upper

49 100

128 48.0 23.5 70.6

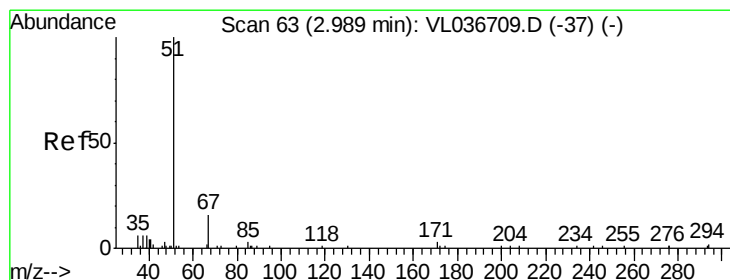
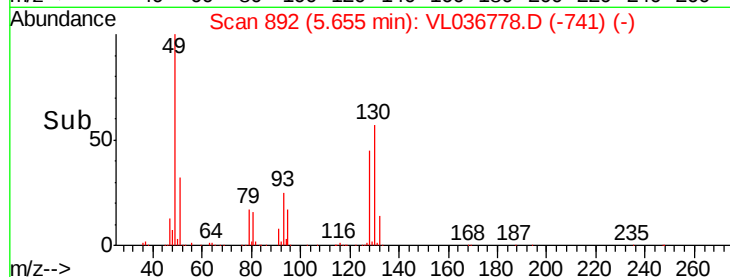
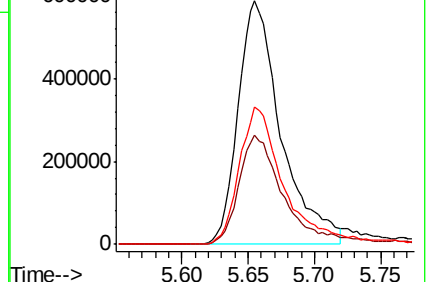
130 60.2 29.1 87.4



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



#3

Chlorodifluoromethane

Concen: 0.042 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036778.D

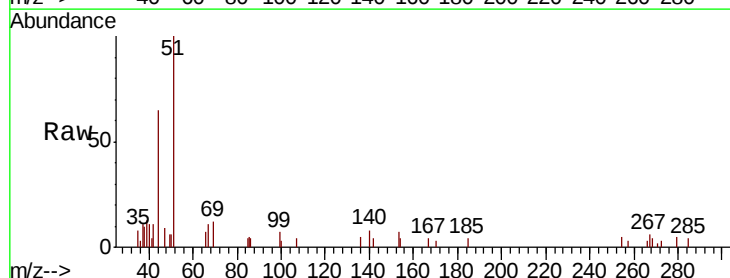
Acq: 9 Apr 2021 17:28

Tgt Ion: 51 Resp: 10290

Ion Ratio Lower Upper

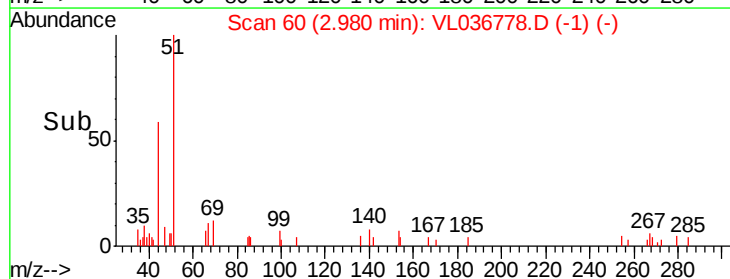
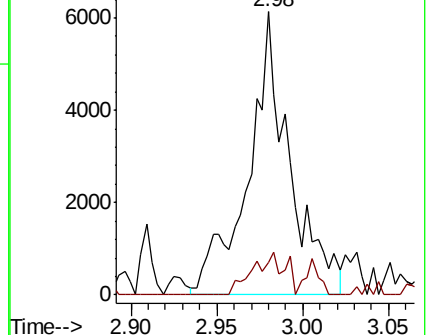
51 100

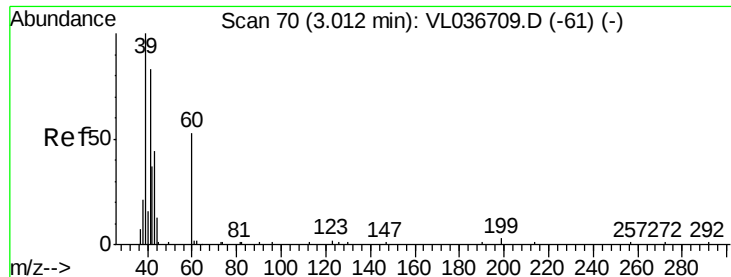
67 16.4 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 1.162 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.19 min

Lab File: VL036778.D

Acq: 9 Apr 2021 17:28

Instrument :

MSVOA_L

ClientSampleId :

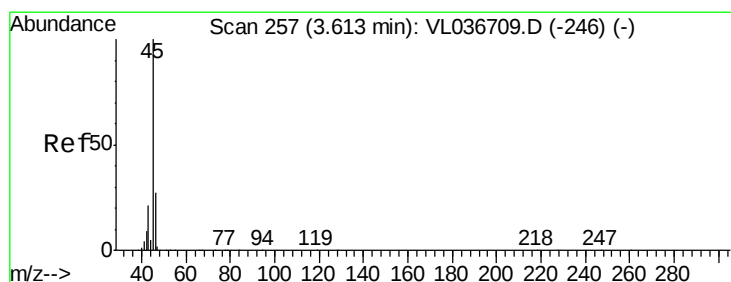
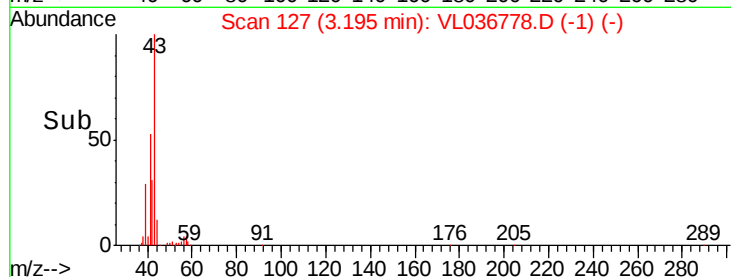
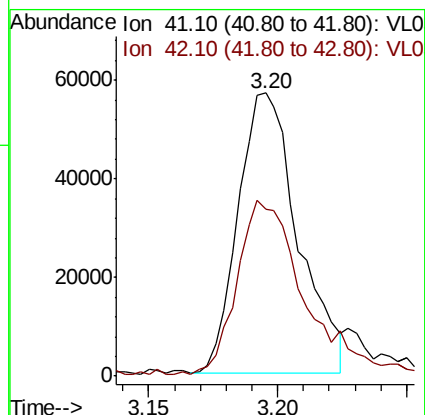
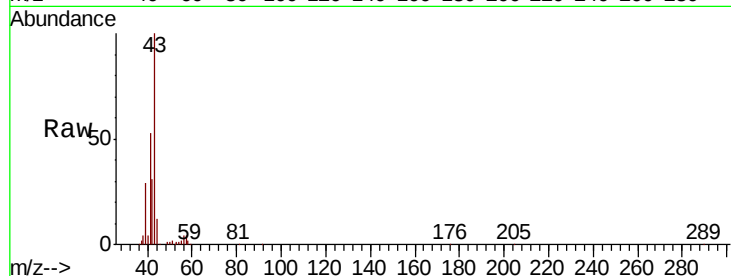
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Tot Ion: 41 Resp: 91790

Ion Ratio Lower Upper

41 100

42 71.0 57.0 85.4



#13

Ethanol

Concen: 6.173 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036778.D

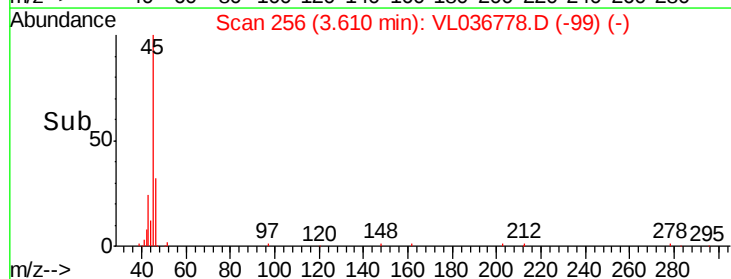
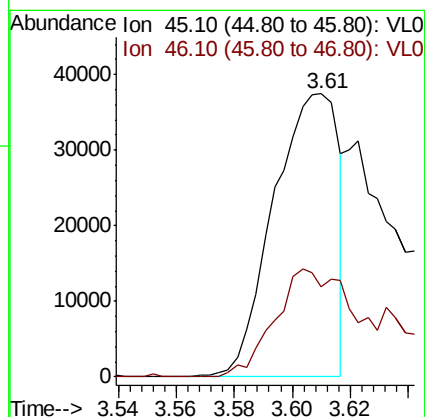
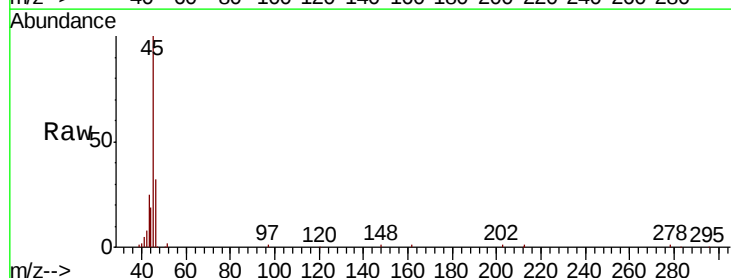
Acq: 9 Apr 2021 17:28

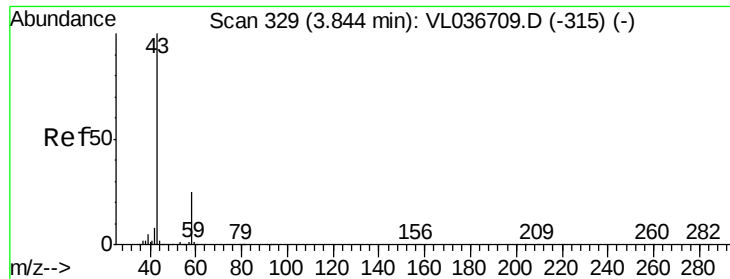
Tgt Ion: 45 Resp: 58079

Ion Ratio Lower Upper

45 100

46 78.0 16.6 66.2#

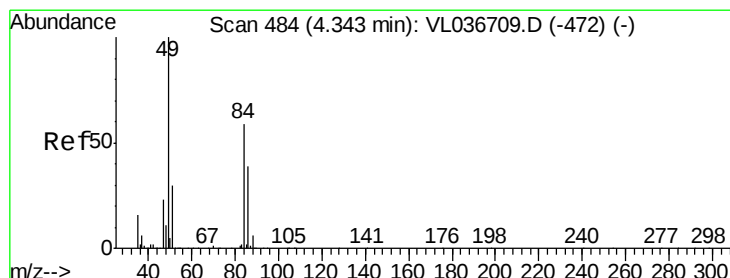
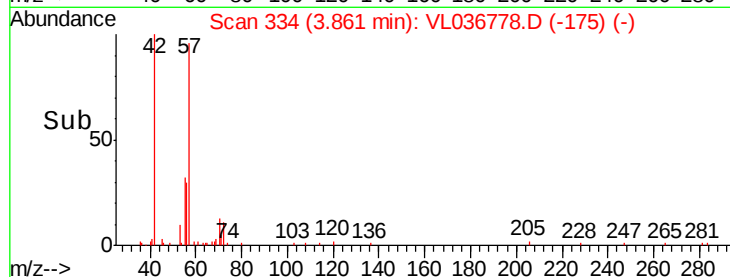
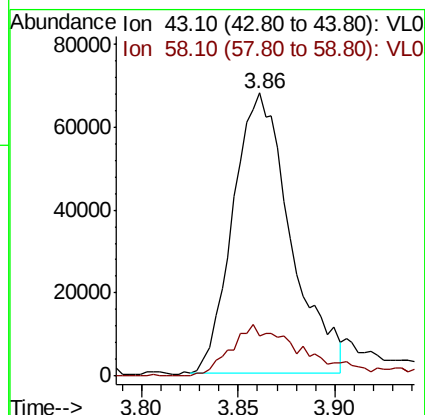
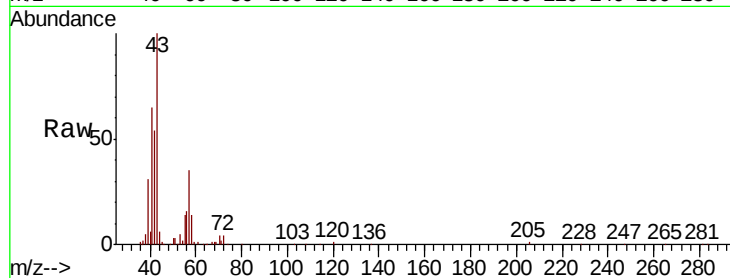




#15
Acetone
Concen: 1.069 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036778.D
Acq: 9 Apr 2021 17:28

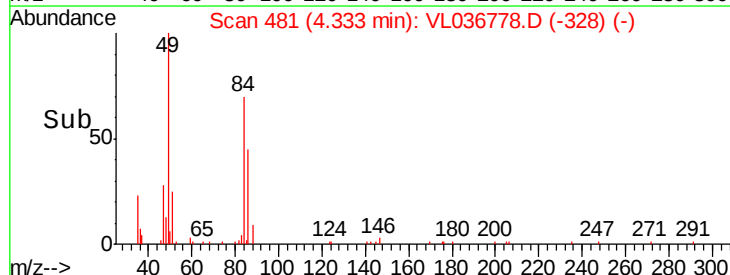
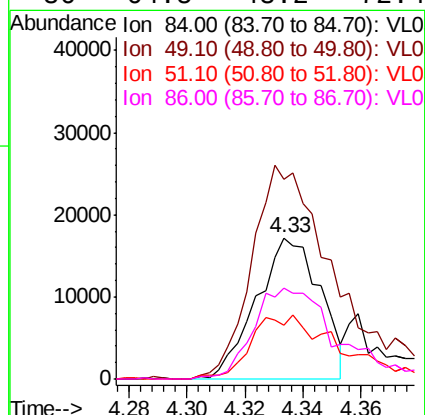
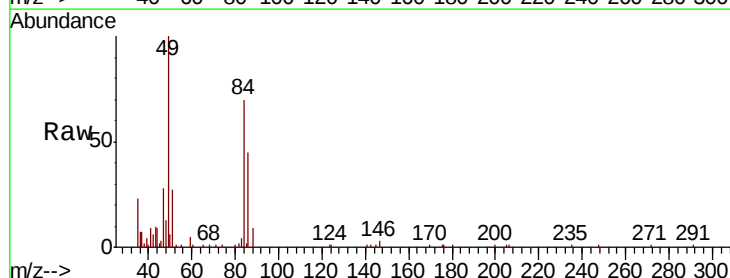
Instrument :
MSVOA_L
ClientSampleId :
GOI-IA-6(2021)DL

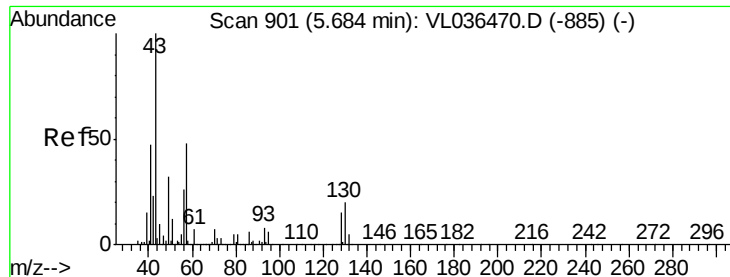
Tot Ion: 43 Resp: 139506
Ion Ratio Lower Upper
43 100
58 26.6 21.2 31.8



#20
Methylene Chloride
Concen: 0.429 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL036778.D
Acq: 9 Apr 2021 17:28

Tgt Ion: 84 Resp: 26204
Ion Ratio Lower Upper
84 100
49 142.2 122.9 184.3
51 38.6 36.9 55.3
86 64.5 48.2 72.4

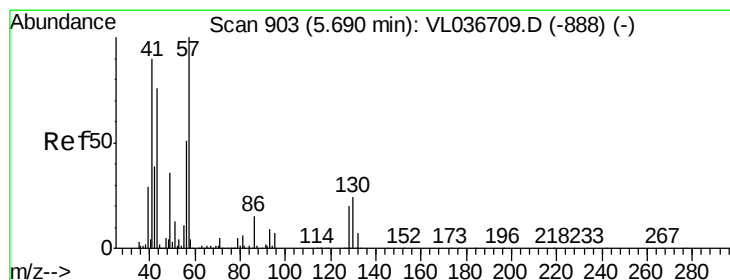
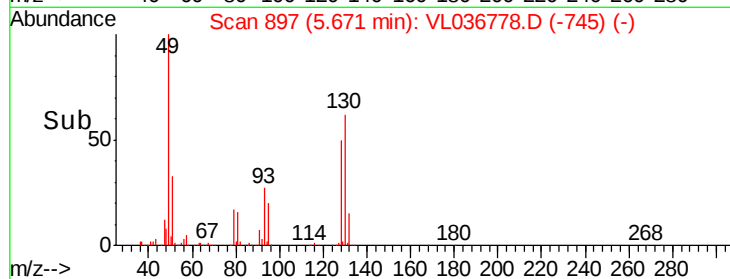
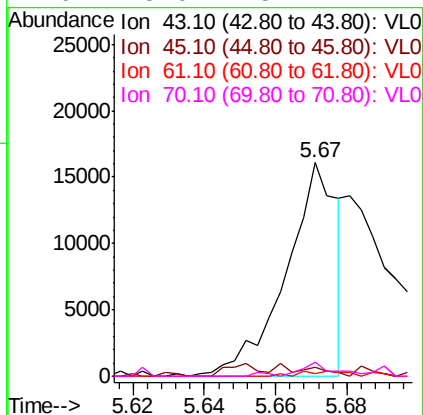
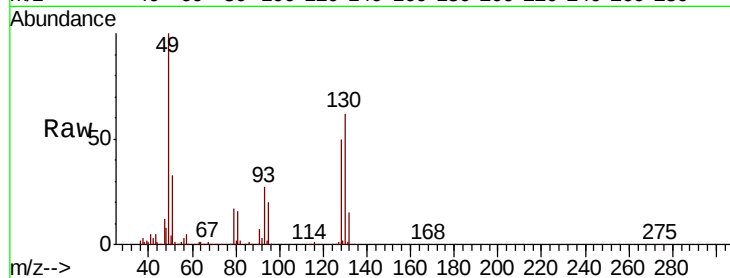




#25
Ethyl Acetate
Concen: 0.051 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL036778.D
Acq: 9 Apr 2021 17:28

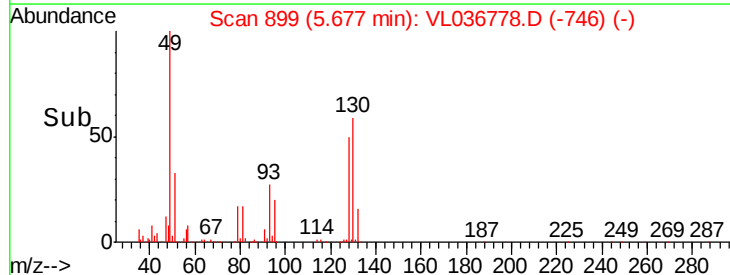
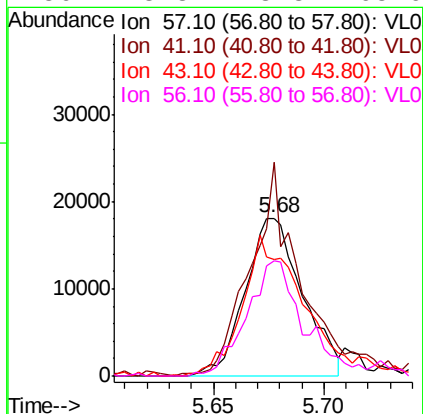
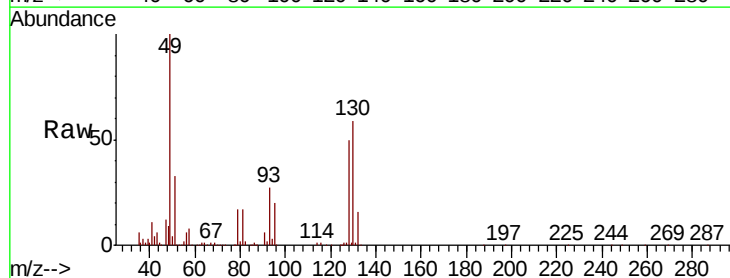
Instrument :
MSVOA_L
ClientSampleID :
GOI-IA-6(2021)DL

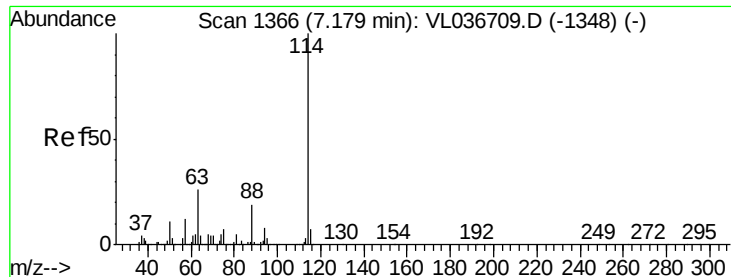
Tot Ion:	43	Resp:	15982
Ion	Ratio	Lower	Upper
43	100		
45	8.0	7.9	11.9
61	2.5	7.4	11.2#
70	6.0	5.1	7.7



#26
Hexane
Concen: 0.226 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036778.D
Acq: 9 Apr 2021 17:28

Tgt Ion:	57	Resp:	32590
Ion	Ratio	Lower	Upper
57	100		
41	124.2	77.2	115.8#
43	101.9	173.8	260.6#
56	78.8	43.8	65.6#

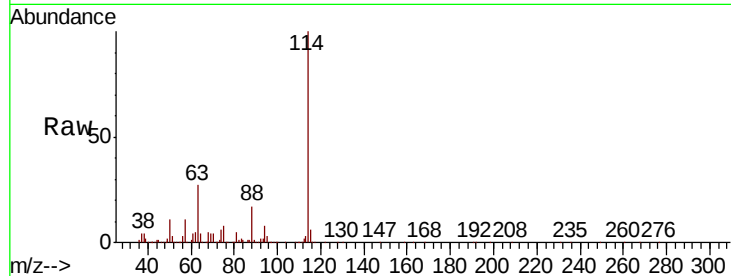




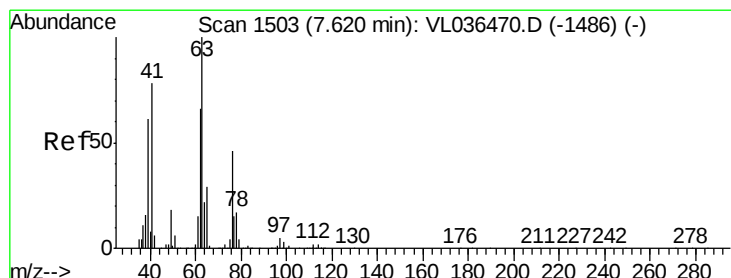
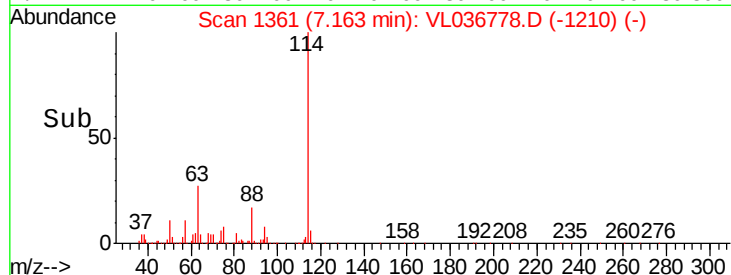
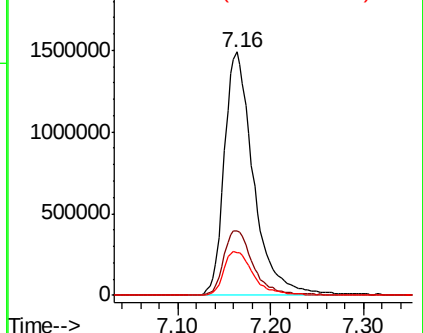
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036778.D
 Acq: 9 Apr 2021 17:28

Instrument :
 MSVOA_L
 ClientSampleId :
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Tot Ion:114 Resp: 3258613
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.4 33.6
 88 18.5 15.4 23.0

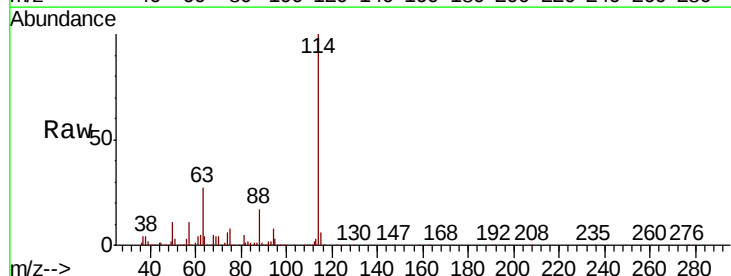


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

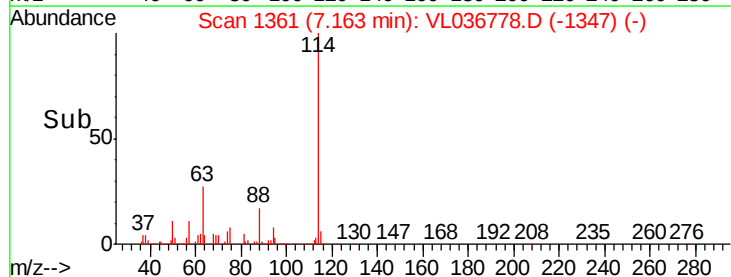
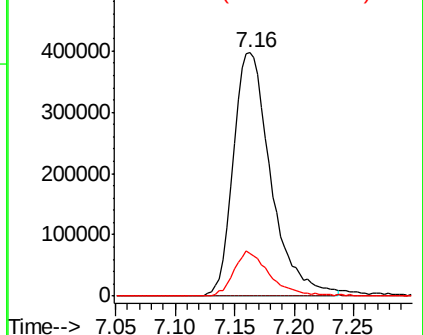


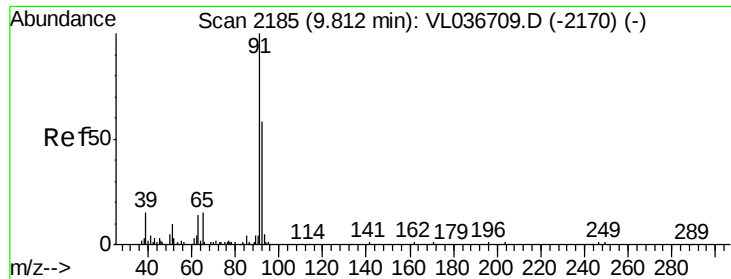
#39
 1,2-Dichloropropane
 Concen: 7.143 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL036778.D
 Acq: 9 Apr 2021 17:28

Tgt Ion: 63 Resp: 870817
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.4 93.6#
 62 17.5 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





#53

Toluene

Concen: 0.048 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL036778.D

Acq: 9 Apr 2021 17:28

Instrument :

MSVOA_L

ClientSampleId :

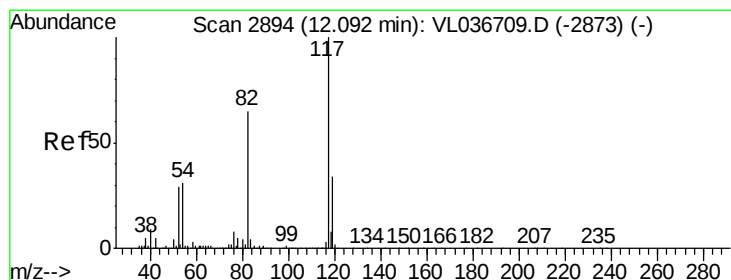
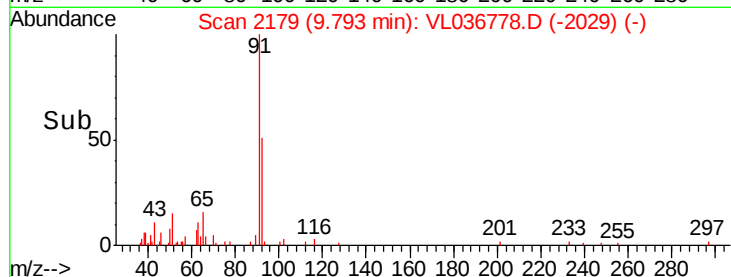
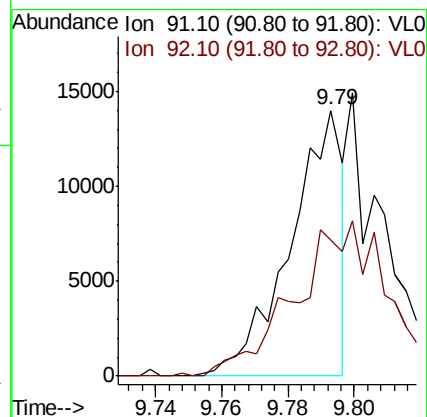
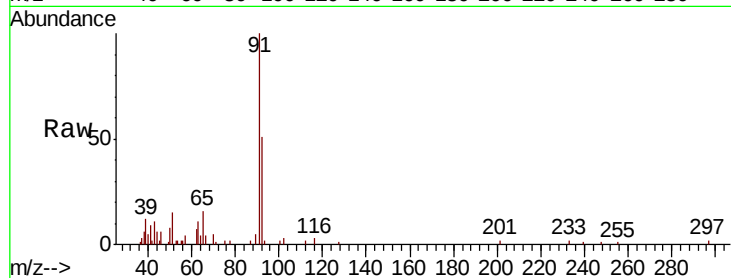
GOI-IA-6(2021)DL

Tot Ion: 91 Resp: 15356

Ion Ratio Lower Upper

91 100

92 0.0 48.8 73.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL036778.D

Acq: 9 Apr 2021 17:28

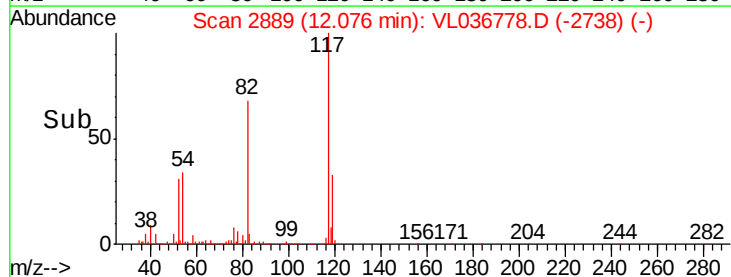
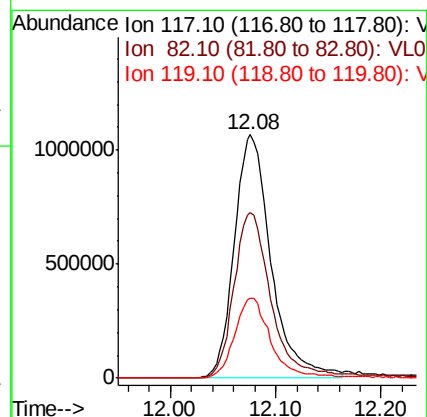
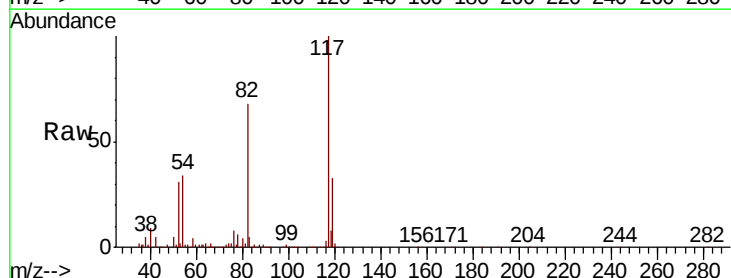
Tgt Ion: 117 Resp: 2586708

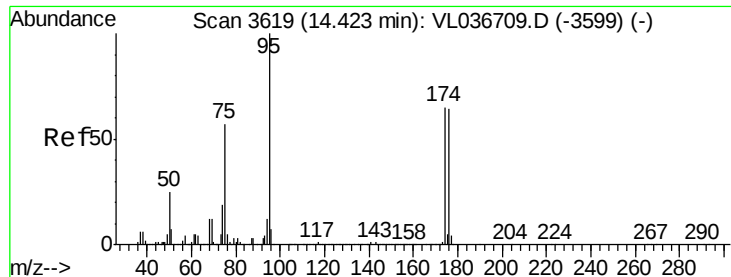
Ion Ratio Lower Upper

117 100

82 71.2 57.4 86.0

119 32.9 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 7.796 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036778.D

Acq: 9 Apr 2021 17:28

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 95 Resp: 1607196

Ion Ratio Lower Upper

95 100

174 69.1 51.0 76.6

175 4.8 3.9 5.9

