

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036660.D
 Acq On : 3 Apr 2021 00:51
 Operator : SY/AP
 Sample : M1853-03DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:59:46 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	1289874	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3301292	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2974330	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2299603	9.70	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

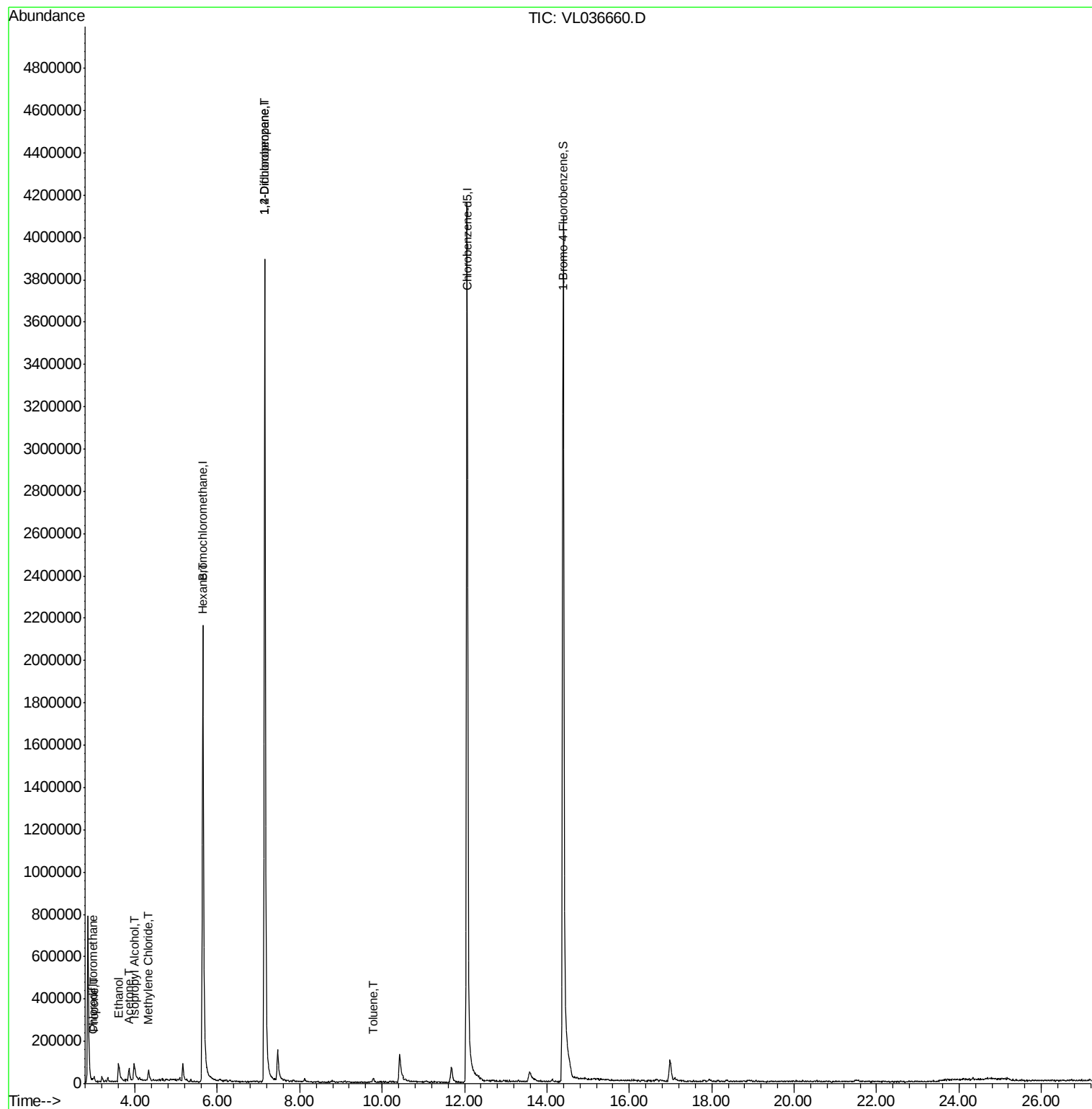
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	18751	0.078	ppbv #	90
9) Propene	3.00	41	1699	0.022	ppbv #	1
13) Ethanol	3.60	45	72921	7.970	ppbv	63
15) Acetone	3.85	43	55711	0.439	ppbv #	53
19) Isopropyl Alcohol	3.97	45	64046	0.917	ppbv	98
20) Methylene Chloride	4.32	84	7266	0.122	ppbv #	87
26) Hexane	5.66	57	14988	0.107	ppbv #	45
39) 1,2-Dichloropropane	7.15	63	843750	6.832	ppbv #	25
53) Toluene	9.78	91	9124	0.028	ppbv #	20

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\
Data File : VL036660.D
Acq On : 3 Apr 2021 00:51
Operator : SY/AP
Sample : M1853-03DL 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 03 02:59:46 2021
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL036660.D

Acq: 3 Apr 2021 00:51

Instrument :

MSVOA_L

ClientSampleId :

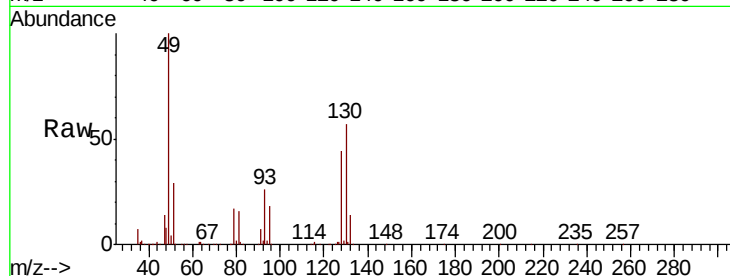
Tot Ion: 49 Resp: 1289874

Ion Ratio Lower Upper

49 100

128 48.6 23.5 70.6

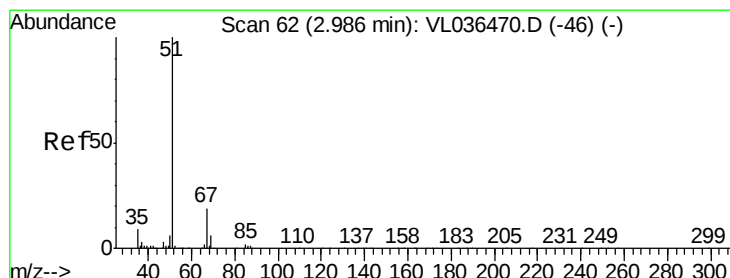
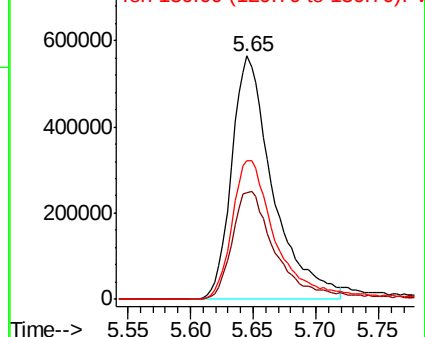
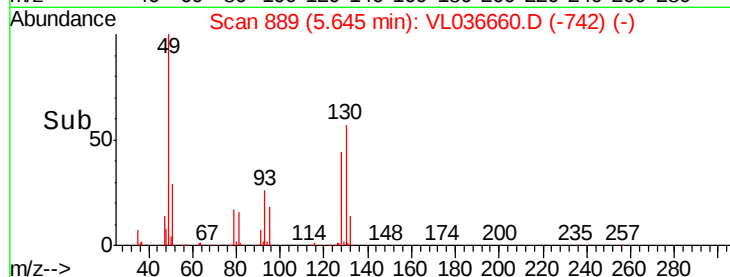
130 62.8 29.1 87.4



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: 0.078 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL036660.D

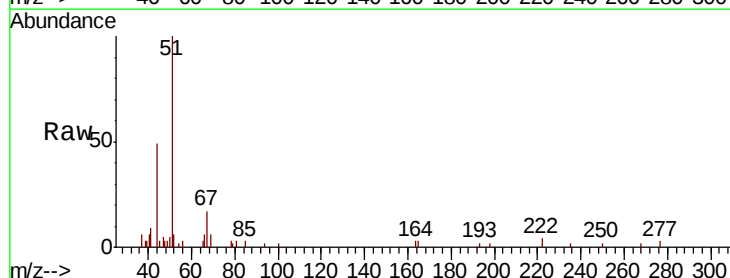
Acq: 3 Apr 2021 00:51

Tgt Ion: 51 Resp: 18751

Ion Ratio Lower Upper

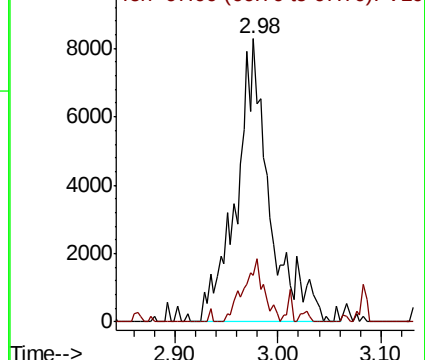
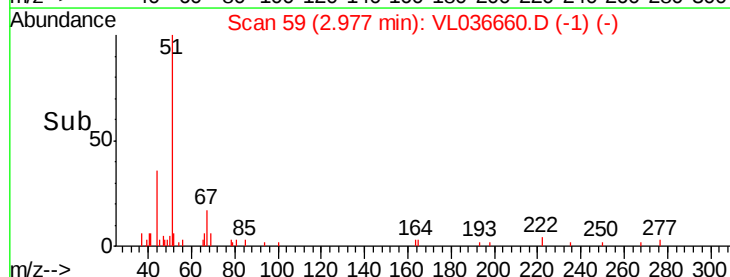
51 100

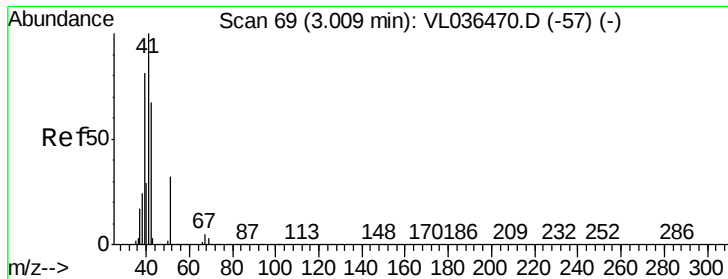
67 13.9 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.022 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036660.D

Acq: 3 Apr 2021 00:51

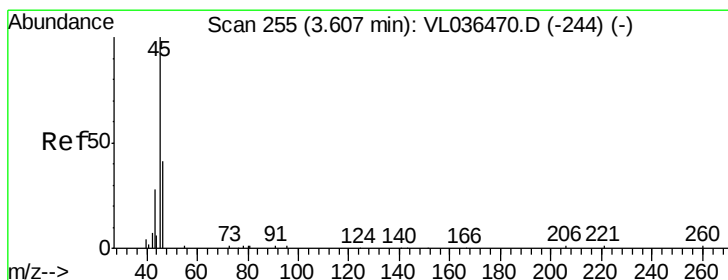
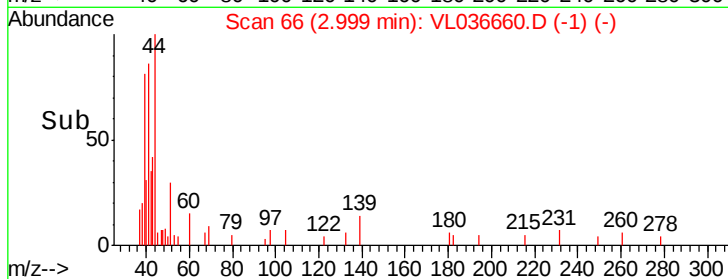
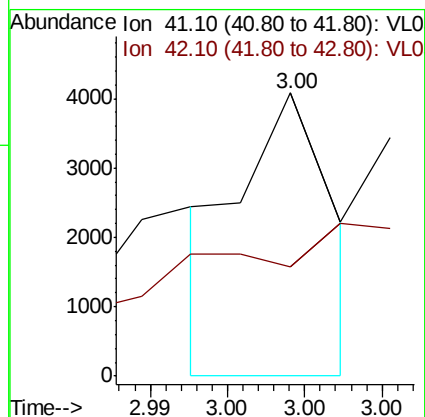
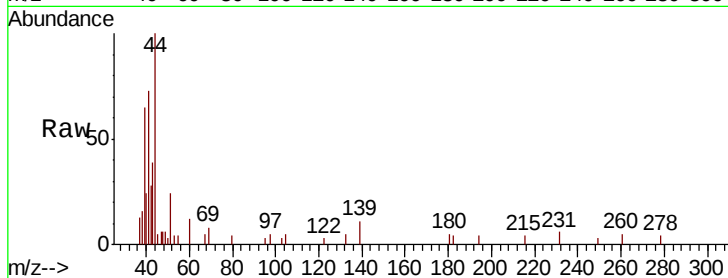
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 1699

Ion Ratio Lower Upper

41 100

42 269.1 57.0 85.4#



#13

Ethanol

Concen: 7.970 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL036660.D

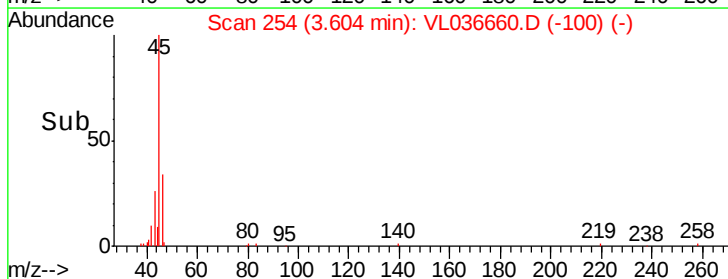
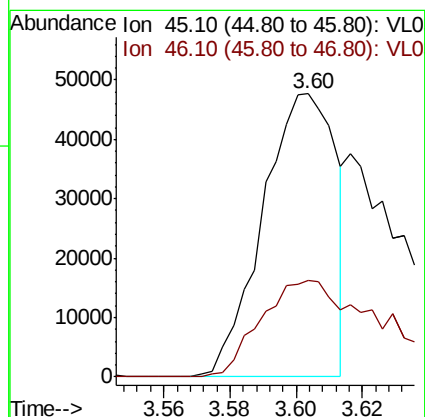
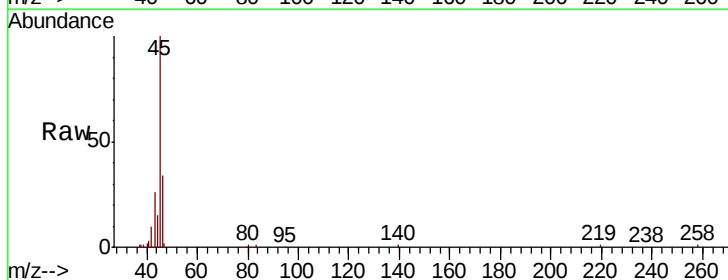
Acq: 3 Apr 2021 00:51

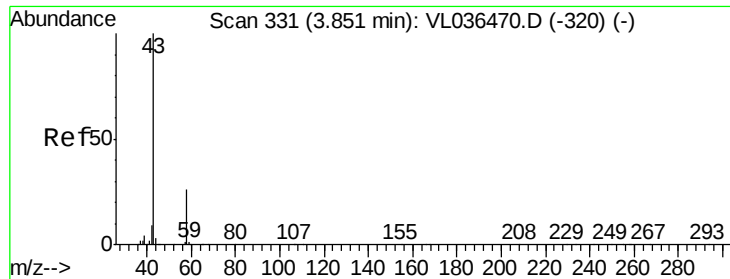
Tgt Ion: 45 Resp: 72921

Ion Ratio Lower Upper

45 100

46 64.7 16.6 66.2





#15

Acetone

Concen: 0.439 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL036660.D

Acq: 3 Apr 2021 00:51

Instrument :

MSVOA_L

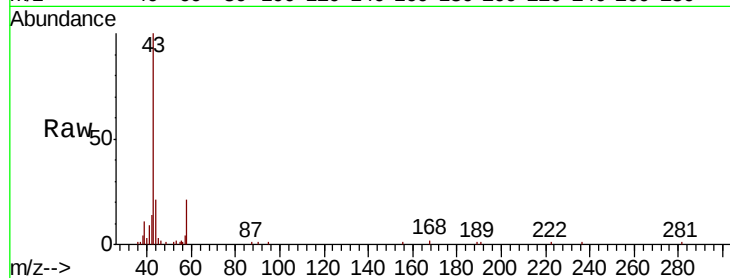
ClientSampleId :

Tot Ion: 43 Resp: 55711

Ion Ratio Lower Upper

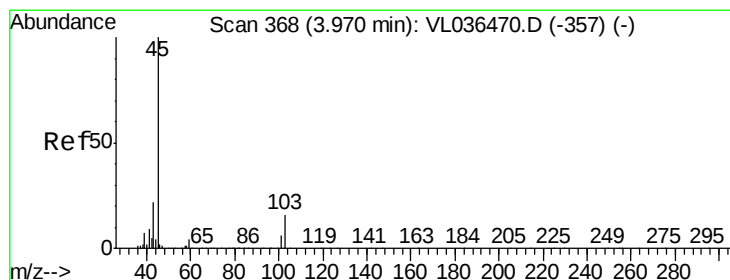
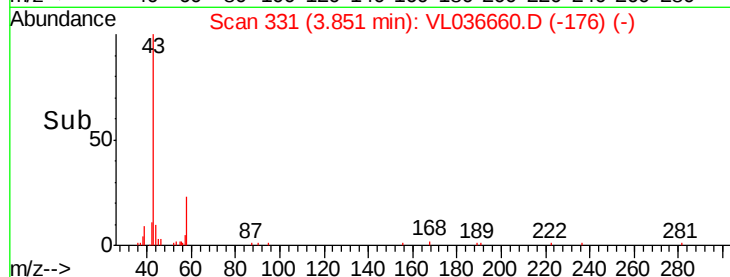
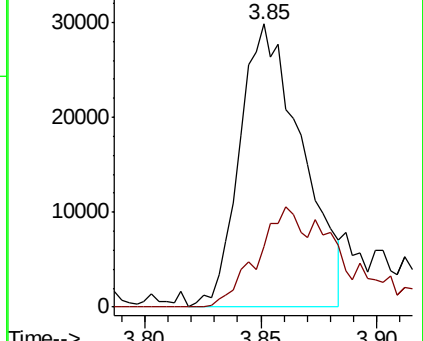
43 100

58 50.8 21.2 31.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.917 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL036660.D

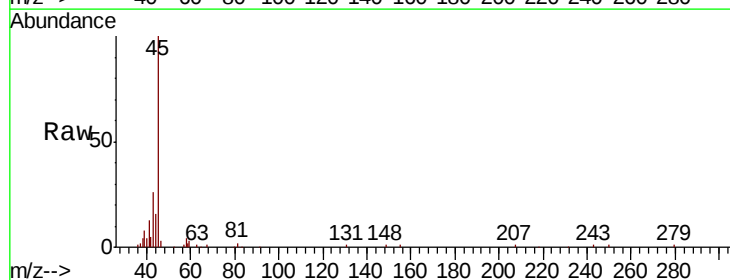
Acq: 3 Apr 2021 00:51

Tgt Ion: 45 Resp: 64046

Ion Ratio Lower Upper

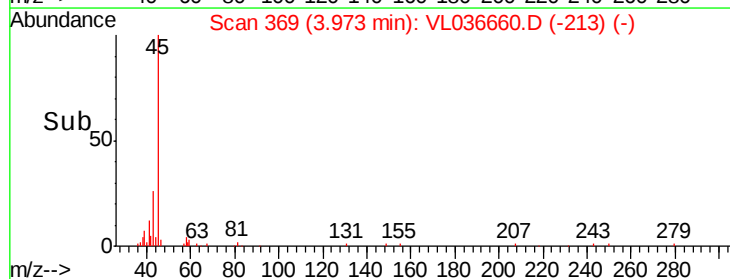
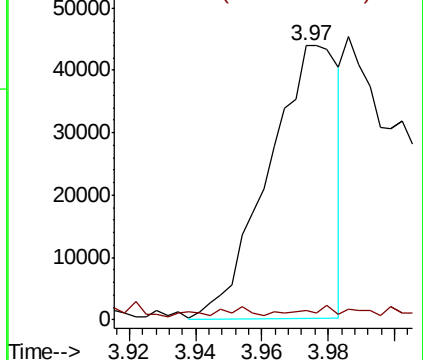
45 100

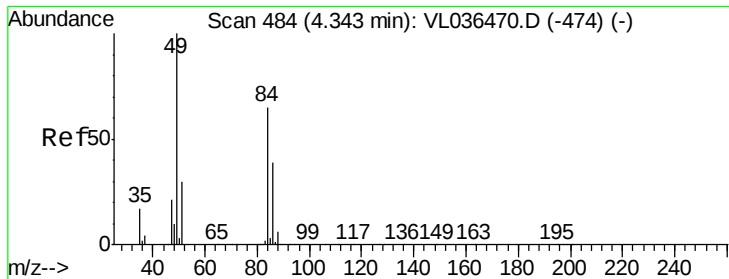
58 4.1 2.9 4.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.122 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL036660.D

Acq: 3 Apr 2021 00:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 7266

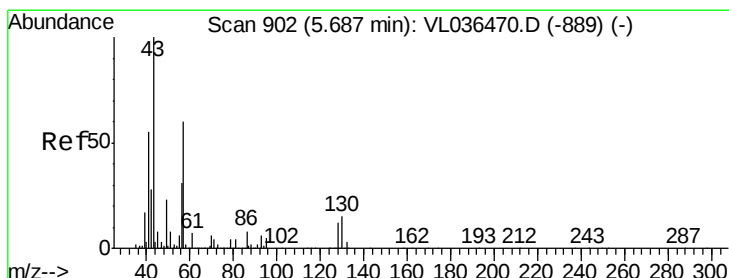
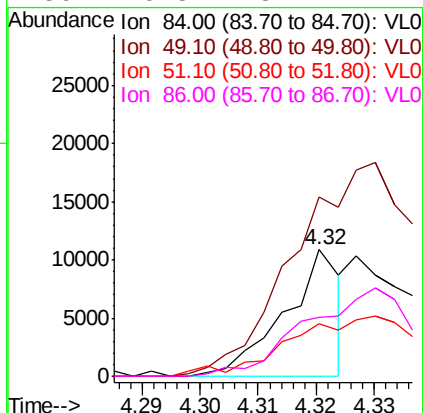
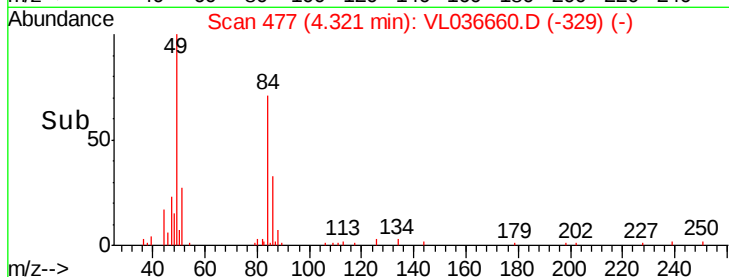
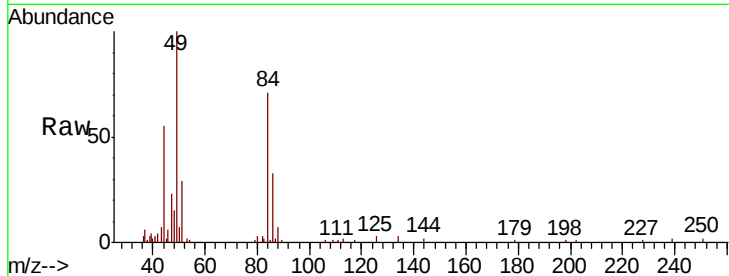
Ion Ratio Lower Upper

84 100

49 140.2 122.9 184.3

51 37.2 36.9 55.3

86 46.8 48.2 72.4#



#26

Hexane

Concen: 0.107 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.03 min

Lab File: VL036660.D

Acq: 3 Apr 2021 00:51

Tgt Ion: 57 Resp: 14988

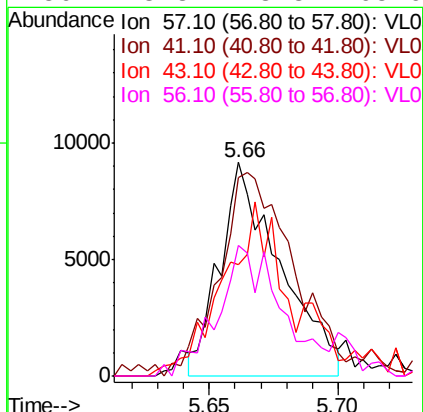
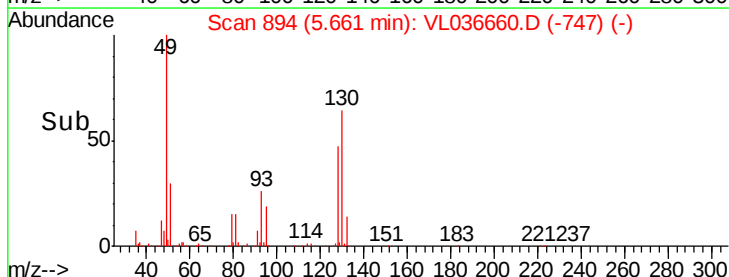
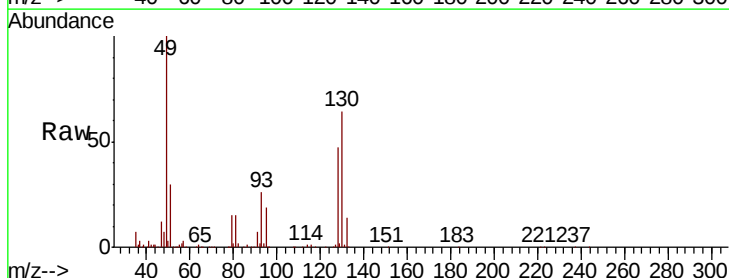
Ion Ratio Lower Upper

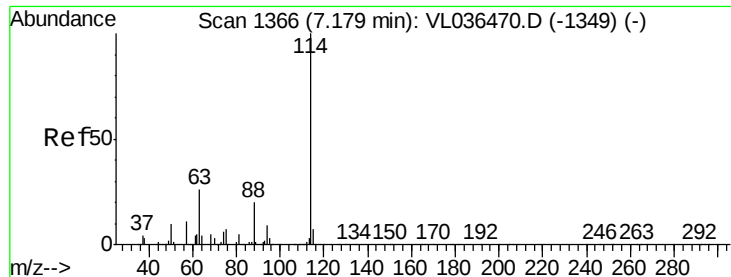
57 100

41 126.8 77.2 115.8#

43 100.2 173.8 260.6#

56 73.3 43.8 65.6#

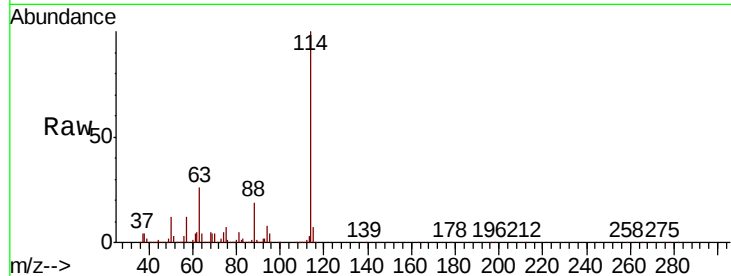




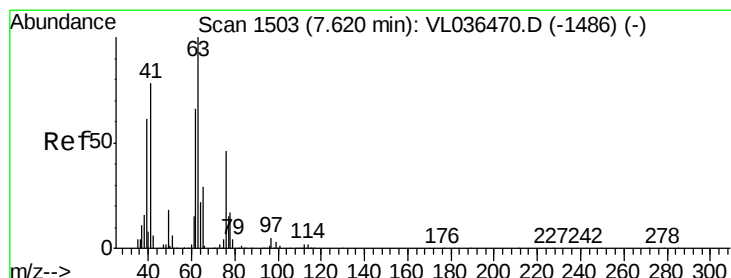
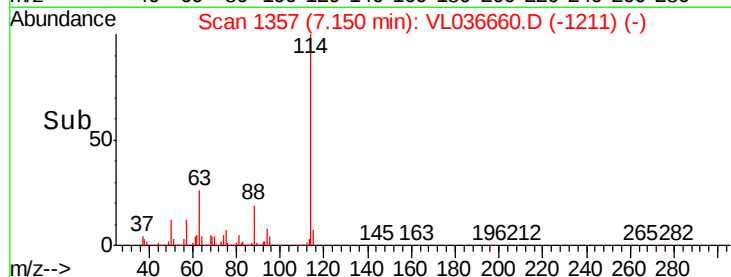
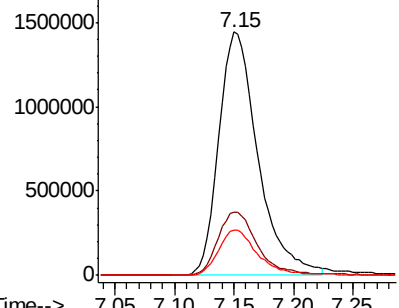
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL036660.D
 Acq: 3 Apr 2021 00:51

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3301292
 Ion Ratio Lower Upper
 114 100
 63 27.0 22.4 33.6
 88 18.9 15.4 23.0

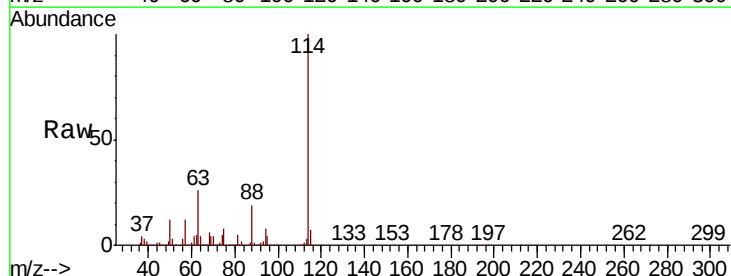


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

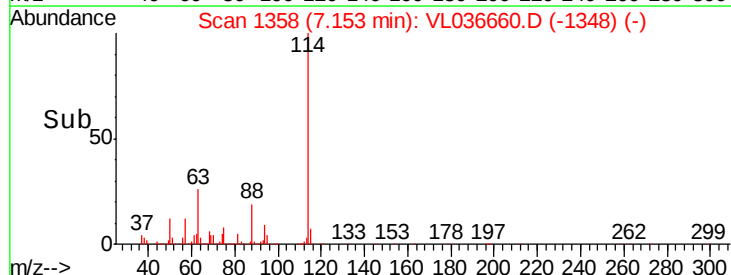
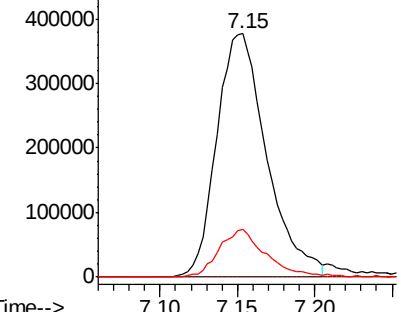


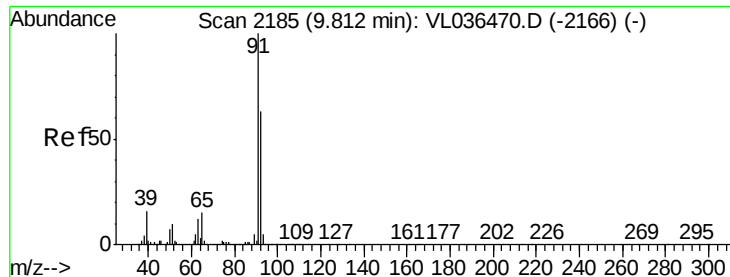
#39
 1,2-Dichloropropane
 Concen: 6.832 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.47 min
 Lab File: VL036660.D
 Acq: 3 Apr 2021 00:51

Tgt Ion: 63 Resp: 843750
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 19.3 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: 0.028 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL036660.D

Acq: 3 Apr 2021 00:51

Instrument :

MSVOA_L

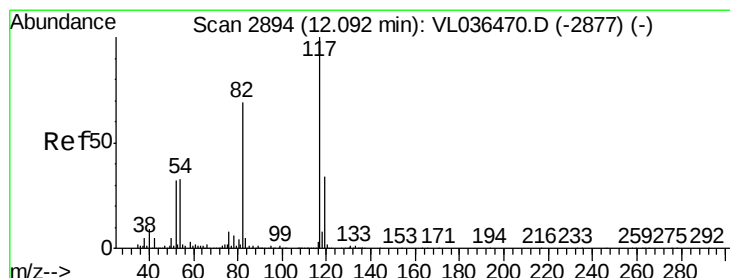
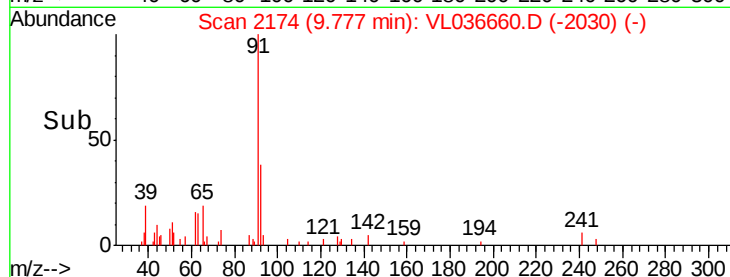
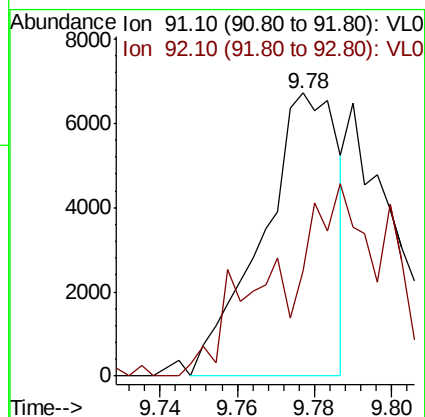
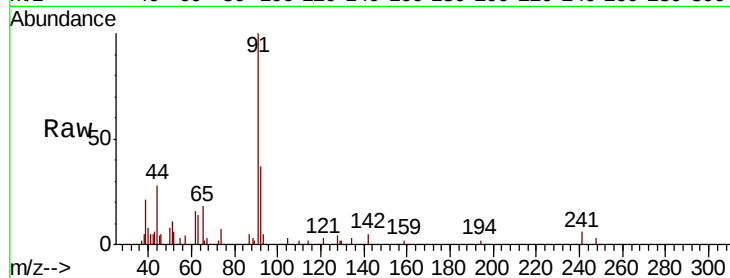
ClientSampleId :

Tot Ion: 91 Resp: 9124

Ion Ratio Lower Upper

91 100

92 0.0 48.8 73.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.03 min

Lab File: VL036660.D

Acq: 3 Apr 2021 00:51

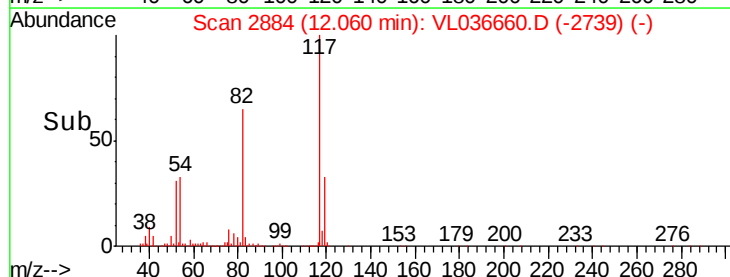
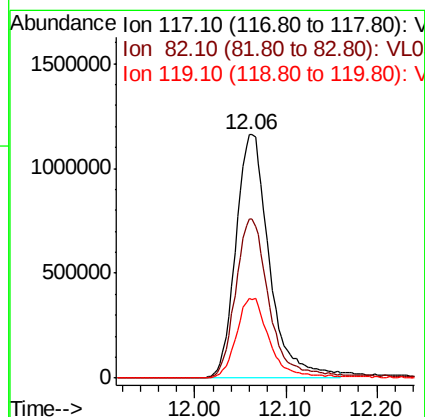
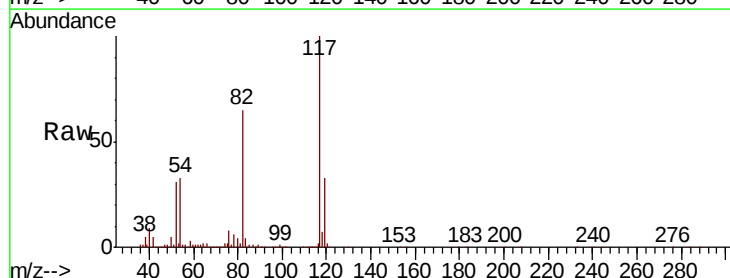
Tgt Ion: 117 Resp: 2974330

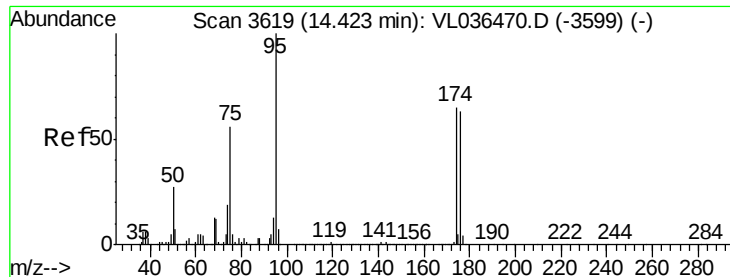
Ion Ratio Lower Upper

117 100

82 68.1 57.4 86.0

119 32.5 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.701 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL036660.D

Acq: 3 Apr 2021 00:51

Instrument :

MSVOA_L

ClientSampleId :

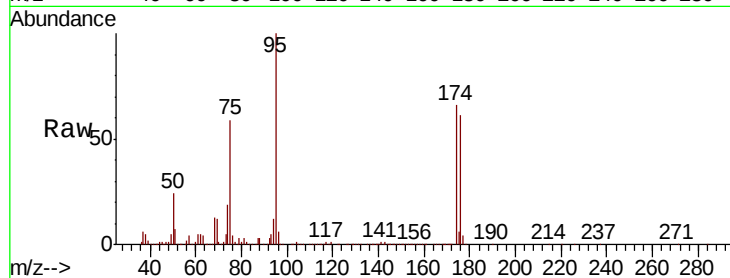
Tot Ion: 95 Resp: 2299603

Ion Ratio Lower Upper

95 100

174 69.8 51.0 76.6

175 5.3 3.9 5.9



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

