

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036659.D
 Acq On : 3 Apr 2021 00:13
 Operator : SY/AP
 Sample : M1853-03 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:59:36 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	5.64	49	1303375	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3354089	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2968818	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2353176	9.95	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

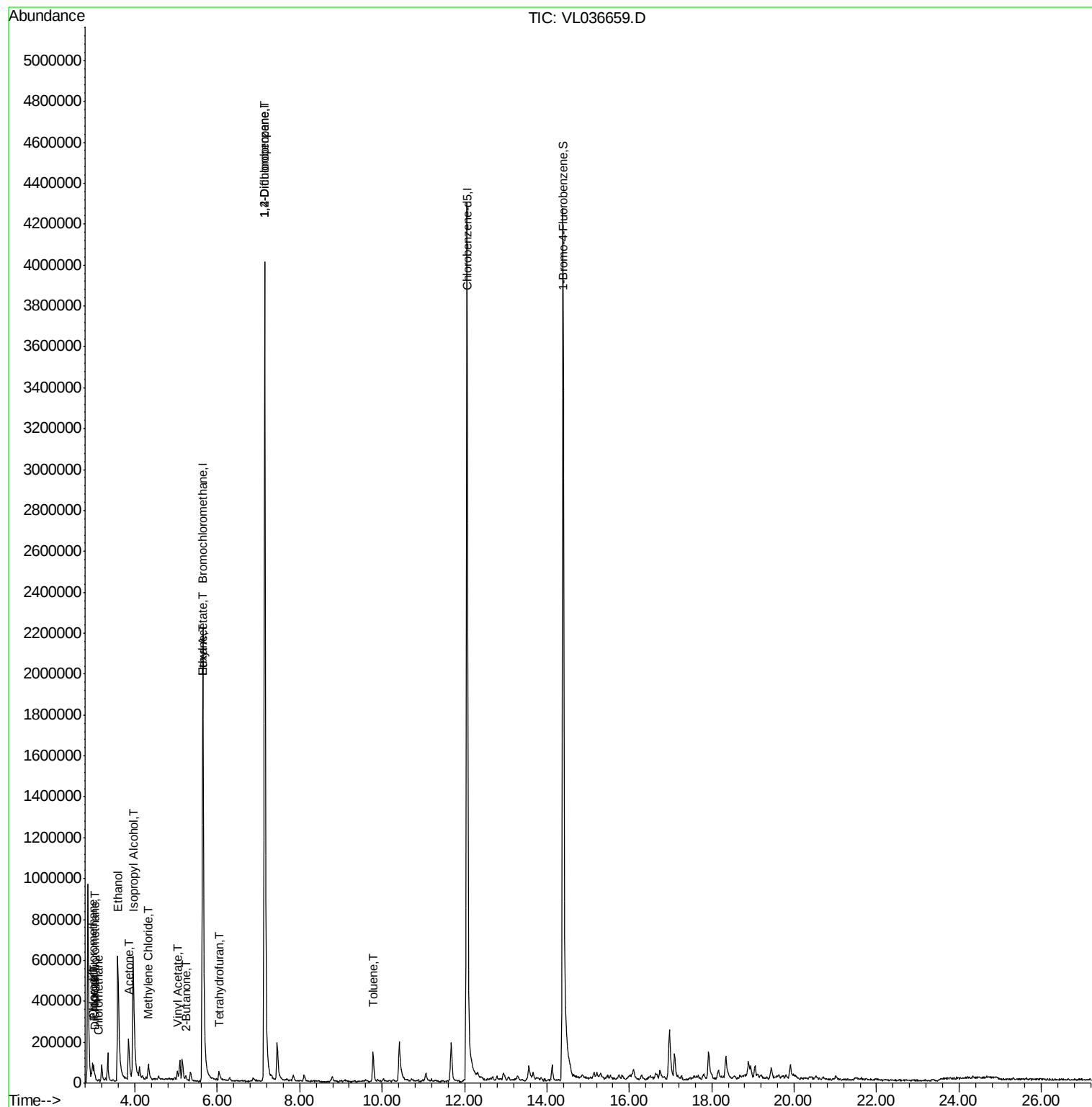
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	8861	0.042 ppbv #	55
3) Chlorodifluoromethane	2.97	51	113145	0.465 ppbv	93
4) Chloromethane	3.13	50	4845	0.056 ppbv #	67
9) Propene	3.00	41	12729	0.164 ppbv	96
13) Ethanol	3.59	45	920446	99.564 ppbv	95
15) Acetone	3.84	43	238841	1.862 ppbv	92
19) Isopropyl Alcohol	3.95	45	1015414	14.389 ppbv #	95
20) Methylene Chloride	4.32	84	28935	0.482 ppbv #	86
23) Vinyl Acetate	5.05	43	6649	0.030 ppbv #	1
25) Ethyl Acetate	5.66	43	27035	0.089 ppbv #	90
26) Hexane	5.66	57	21471	0.152 ppbv #	41
34) 2-Butanone	5.23	43	23619	0.144 ppbv #	70
39) 1,2-Dichloropropane	7.15	63	867350	6.912 ppbv #	24
41) Tetrahydrofuran	6.03	42	13708	0.182 ppbv #	41
53) Toluene	9.78	91	63722	0.193 ppbv #	34

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
Data File : VL036659.D
Acq On : 3 Apr 2021 00:13
Operator : SY/AP
Sample : M1853-03 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 03 02:59:36 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :

MSVOA_L

ClientSampleId :

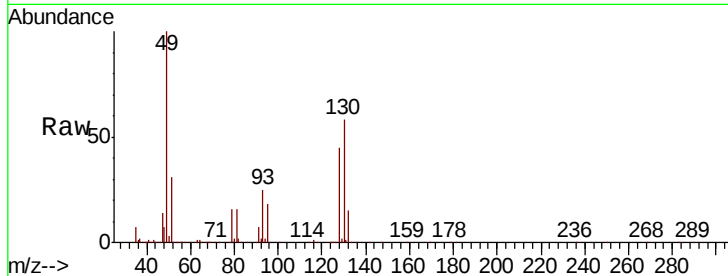
Tot Ion: 49 Resp: 1303375

Ion Ratio Lower Upper

49 100

128 49.3 23.5 70.6

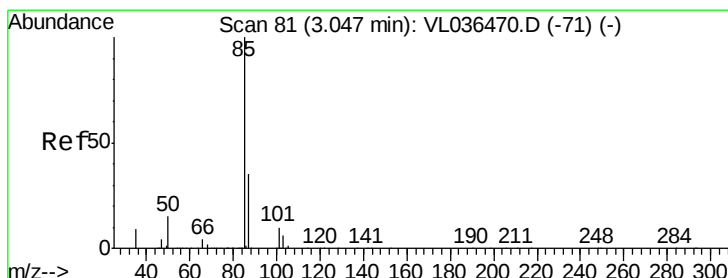
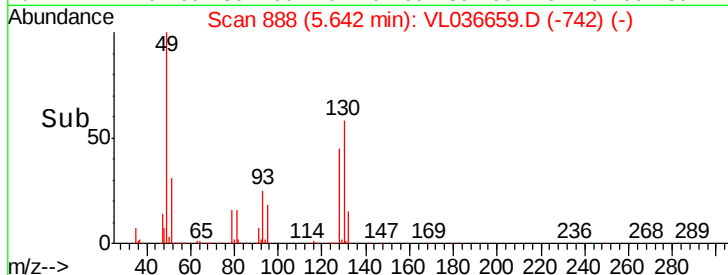
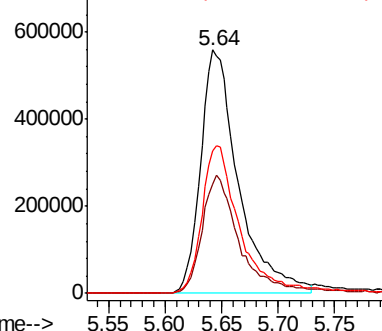
130 61.5 29.1 87.4



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



#2

Dichlorodifluoromethane

Concen: 0.042 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL036659.D

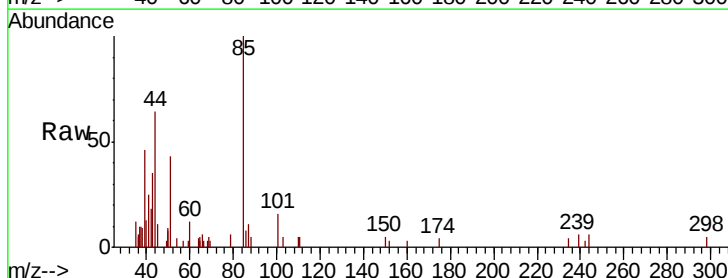
Acq: 3 Apr 2021 00:13

Tgt Ion: 85 Resp: 8861

Ion Ratio Lower Upper

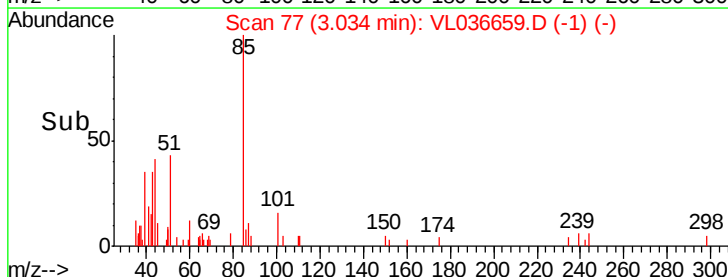
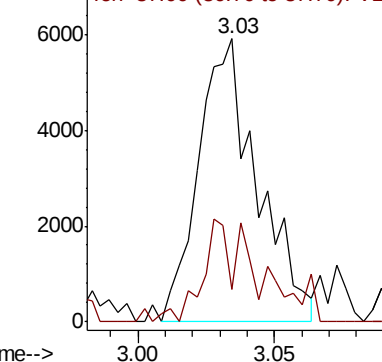
85 100

87 8.5 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

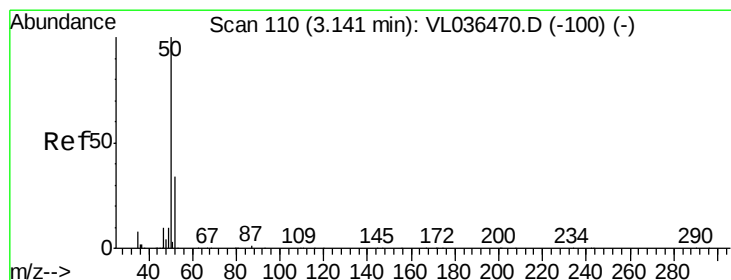
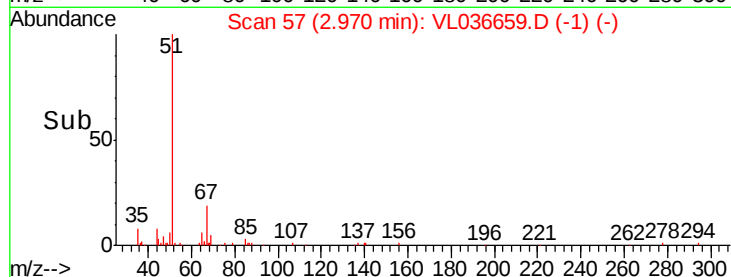
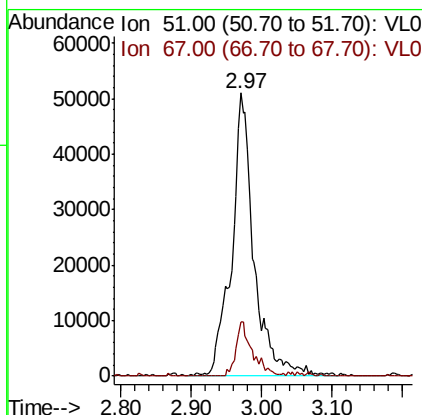
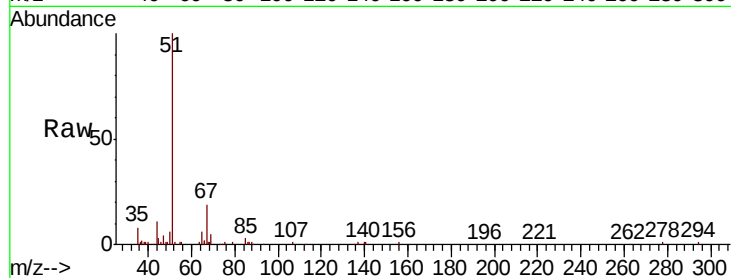




#3
Chlorodifluoromethane
Concen: 0.465 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

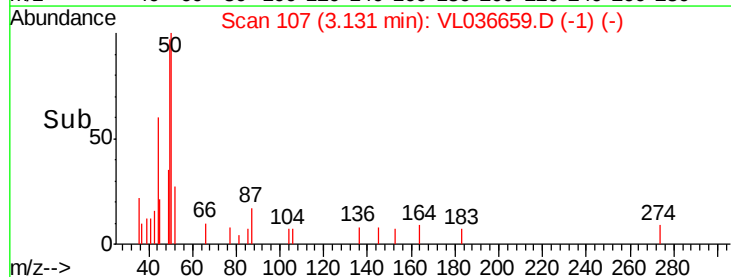
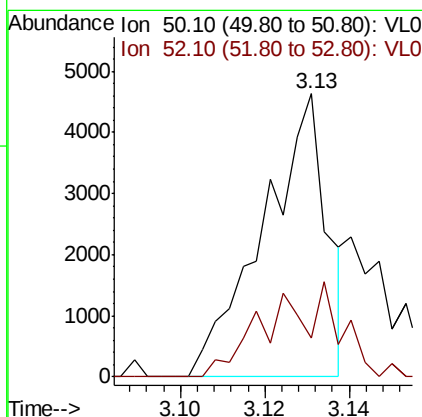
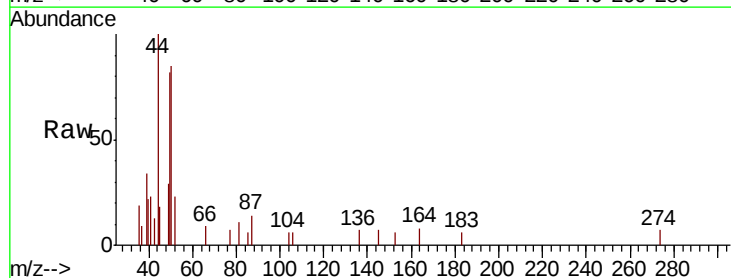
Instrument :
MSVOA_L
ClientSampleId :

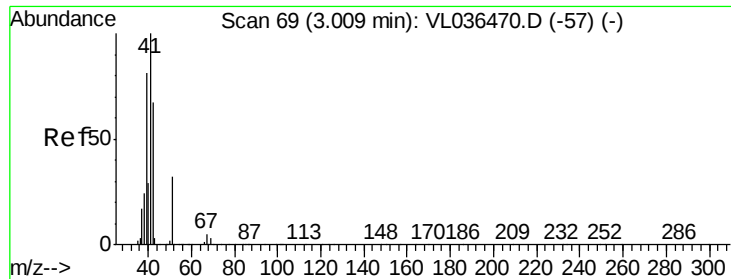
Tot Ion: 51 Resp: 113145
Ion Ratio Lower Upper
51 100
67 15.1 14.7 22.1



#4
Chloromethane
Concen: 0.056 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

Tgt Ion: 50 Resp: 4845
Ion Ratio Lower Upper
50 100
52 15.2 27.0 40.6#





#9

Propene

Concen: 0.164 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :

MSVOA_L

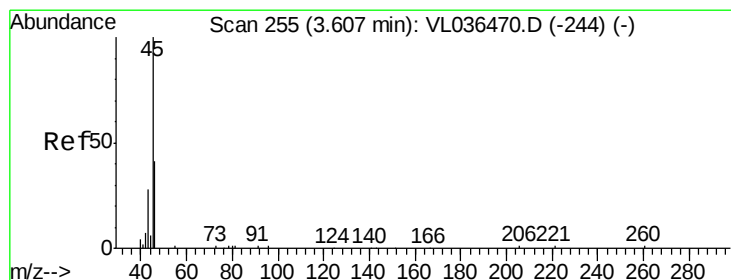
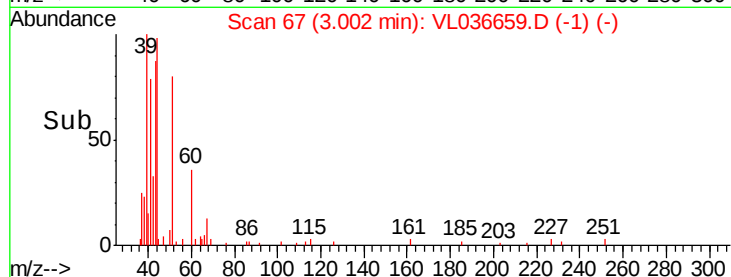
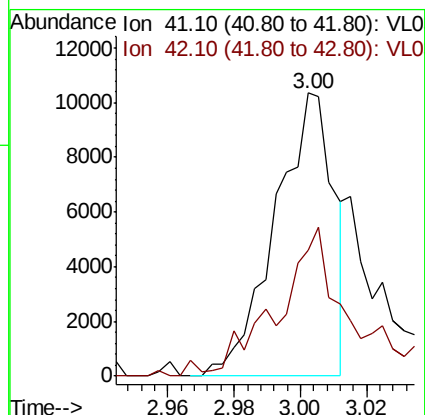
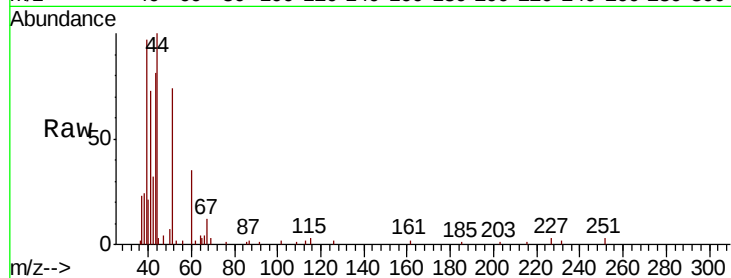
ClientSampled :

Tot Ion: 41 Resp: 12729

Ion Ratio Lower Upper

41 100

42 74.6 57.0 85.4



#13

Ethanol

Concen: 99.564 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL036659.D

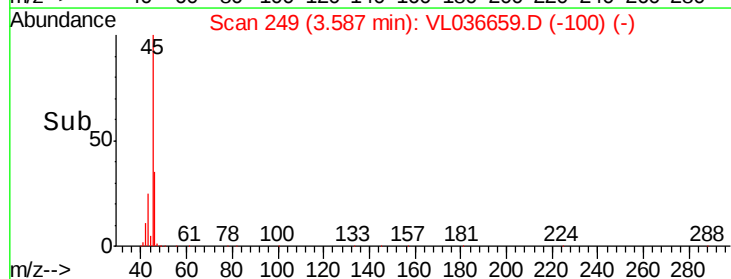
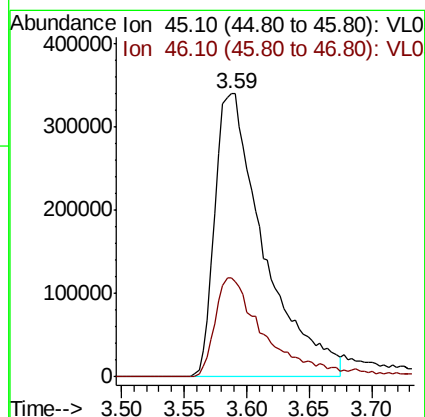
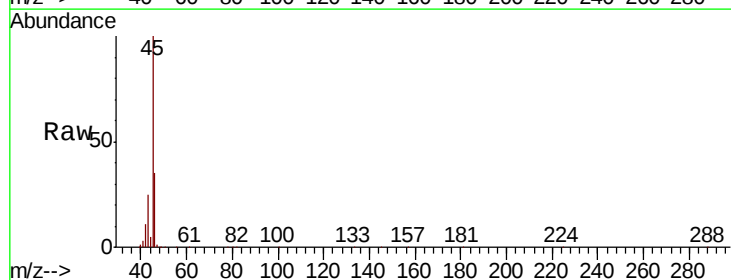
Acq: 3 Apr 2021 00:13

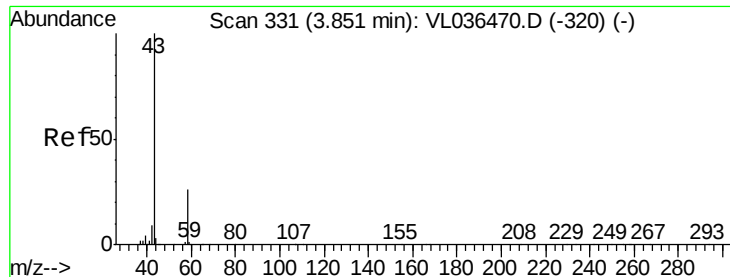
Tgt Ion: 45 Resp: 920446

Ion Ratio Lower Upper

45 100

46 38.0 16.6 66.2





#15

Acetone

Concen: 1.862 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :

MSVOA_L

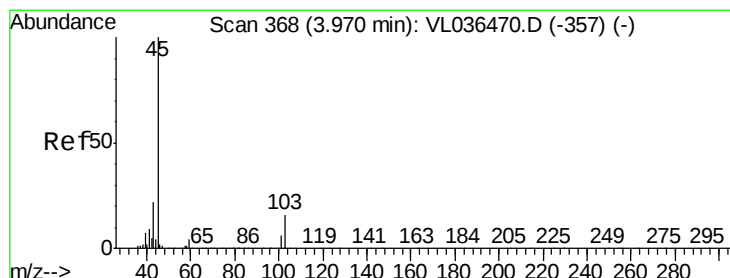
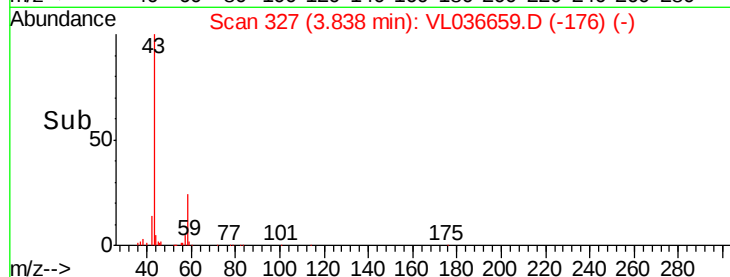
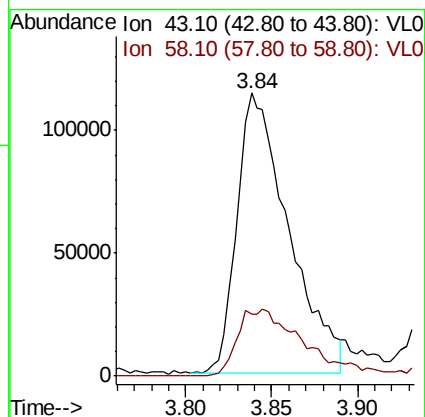
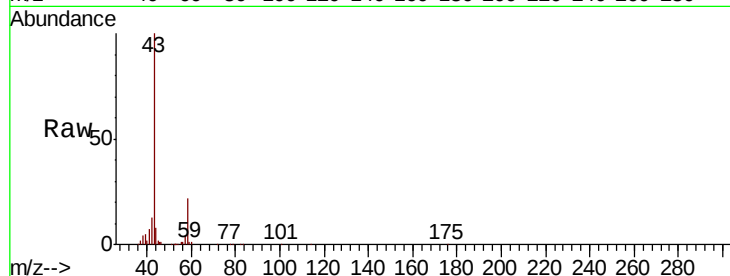
ClientSampleId :

Tot Ion: 43 Resp: 238841

Ion Ratio Lower Upper

43 100

58 30.5 21.2 31.8



#19

Isopropyl Alcohol

Concen: 14.389 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VL036659.D

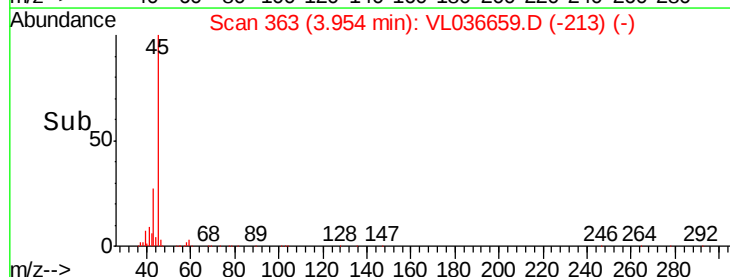
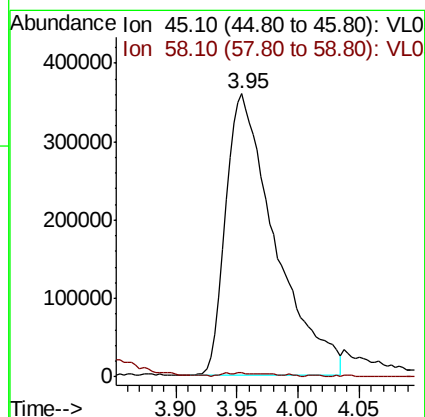
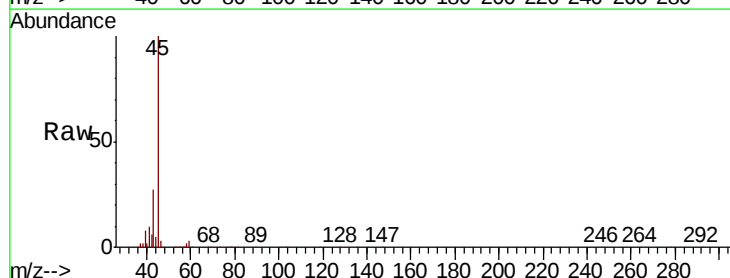
Acq: 3 Apr 2021 00:13

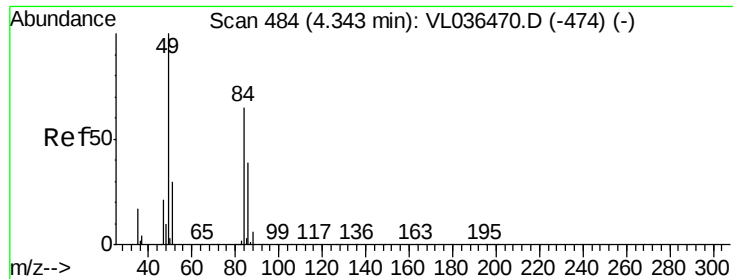
Tgt Ion: 45 Resp: 1015414

Ion Ratio Lower Upper

45 100

58 1.9 2.9 4.3#

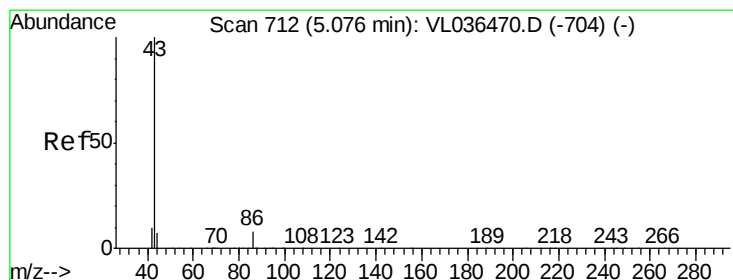
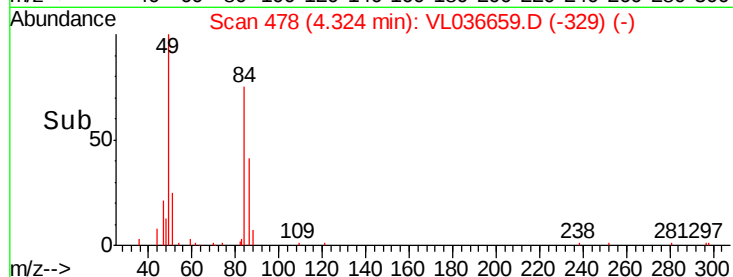
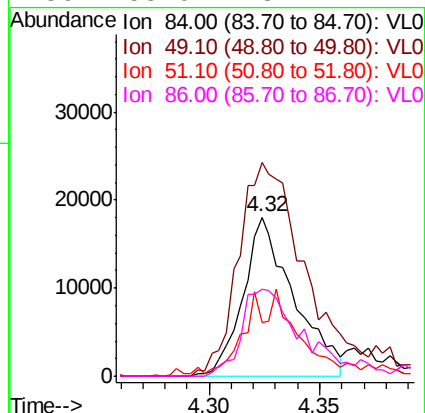
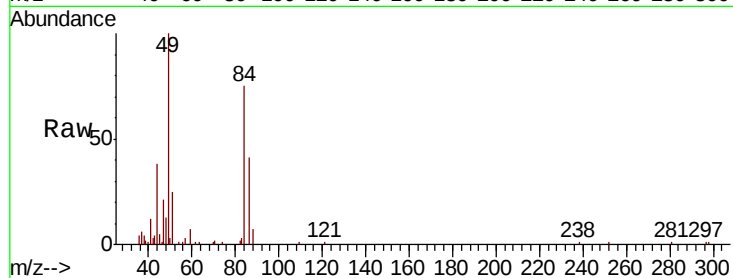




#20
Methylene Chloride
Concen: 0.482 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

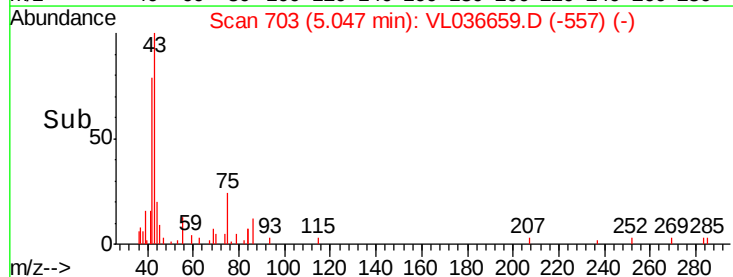
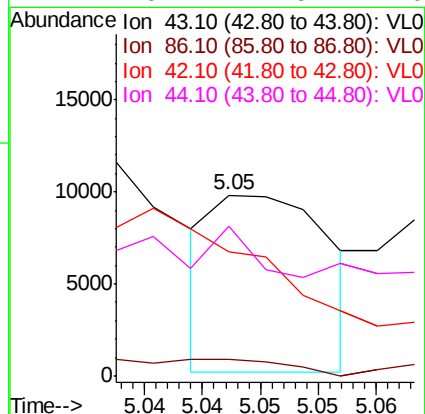
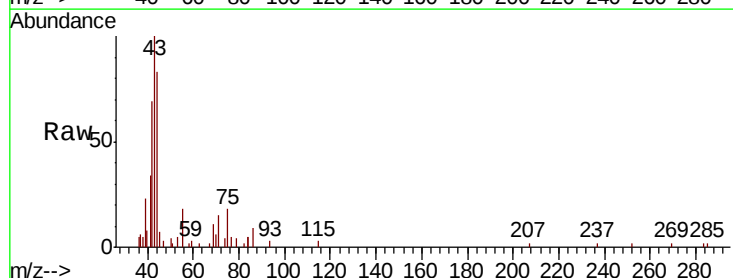
Instrument :
MSVOA_L
ClientSampleId :

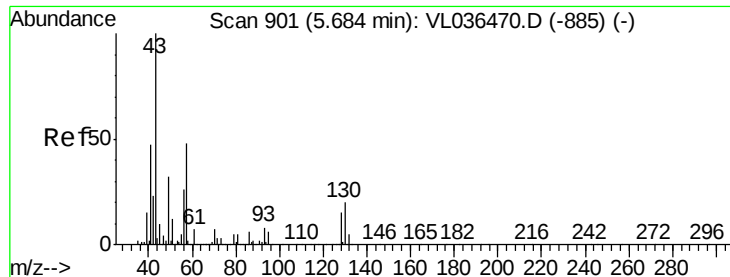
Tot Ion: 84 Resp: 28935
Ion Ratio Lower Upper
84 100
49 134.2 122.9 184.3
51 32.2 36.9 55.3#
86 55.0 48.2 72.4



#23
Vinyl Acetate
Concen: 0.030 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.03 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

Tgt Ion: 43 Resp: 6649
Ion Ratio Lower Upper
43 100
86 30.6 5.4 8.0#
42 108.6 8.5 12.7#
44 76.4 4.6 7.0#





#25

Ethyl Acetate

Concen: 0.089 ppbv

RT: 5.66 min Scan# 895

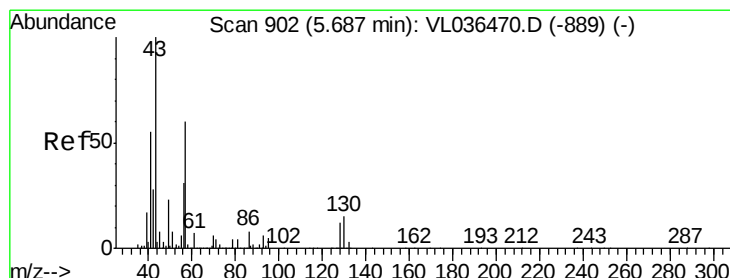
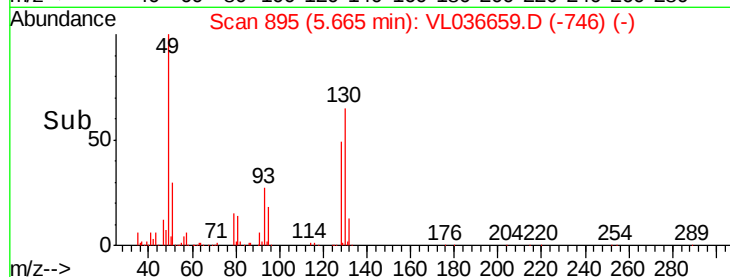
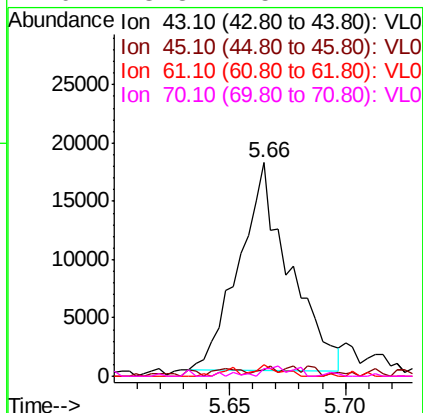
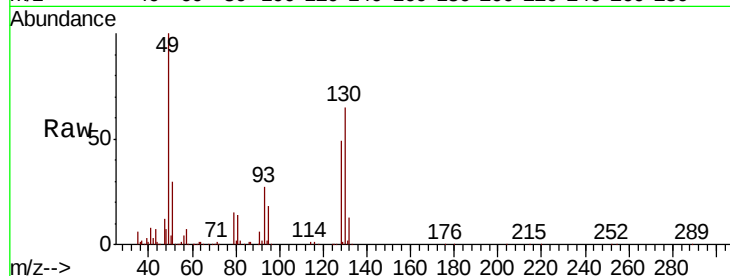
Delta R.T. -0.02 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	27035
Ion	Ratio	Lower	Upper
43	100		
45	6.9	7.9	11.9#
61	4.1	7.4	11.2#
70	3.8	5.1	7.7#



#26

Hexane

Concen: 0.152 ppbv

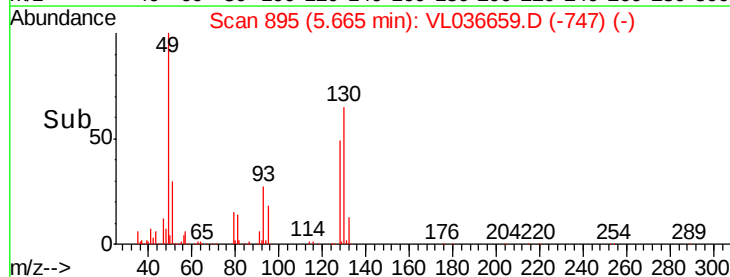
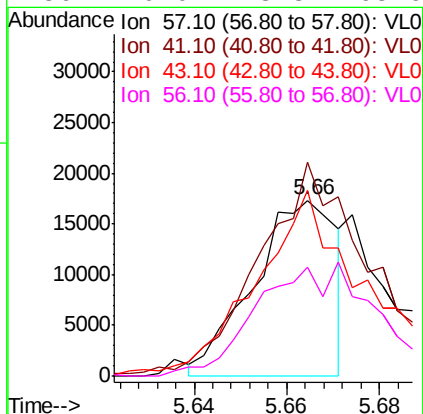
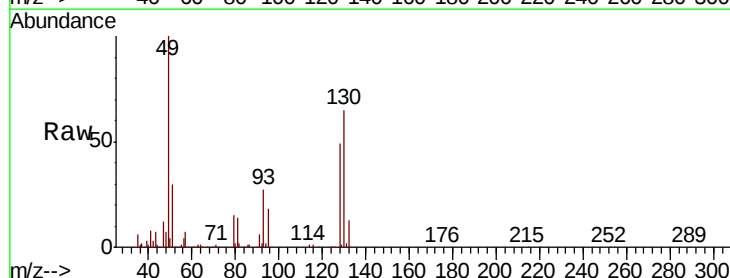
RT: 5.66 min Scan# 895

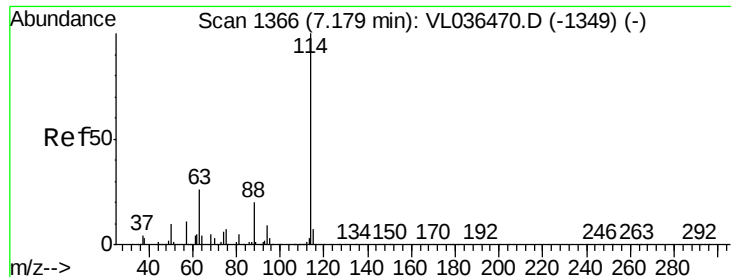
Delta R.T. -0.02 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Tgt Ion:	57	Resp:	21471
Ion	Ratio	Lower	Upper
57	100		
41	183.8	77.2	115.8#
43	150.9	173.8	260.6#
56	0.0	43.8	65.6#

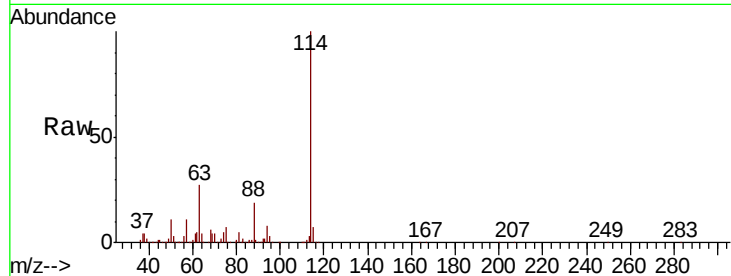




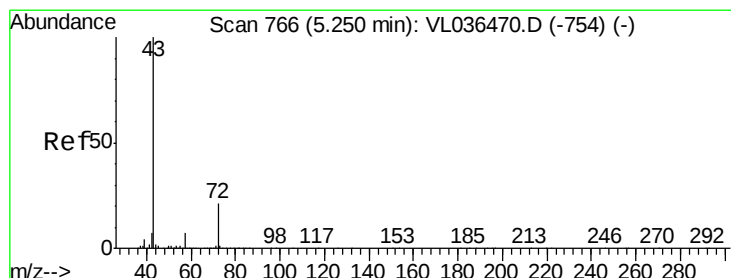
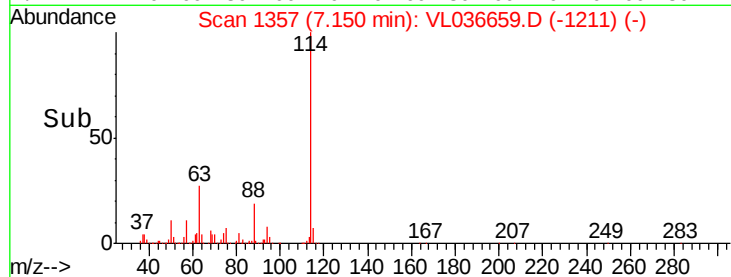
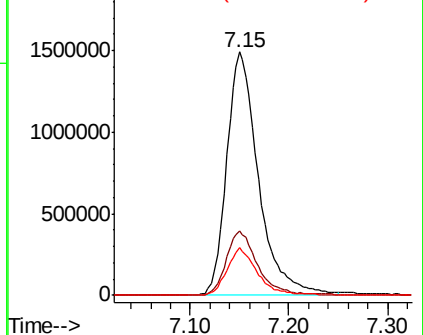
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL036659.D
 Acq: 3 Apr 2021 00:13

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3354089
 Ion Ratio Lower Upper
 114 100
 63 26.5 22.4 33.6
 88 19.0 15.4 23.0

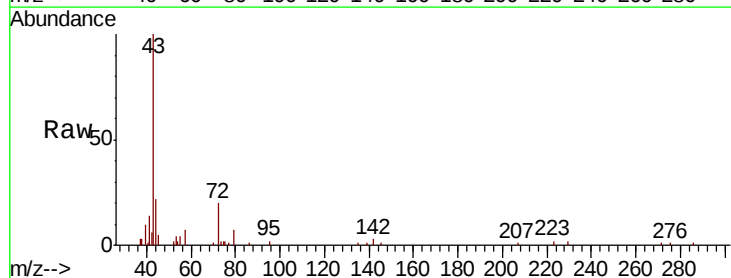


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

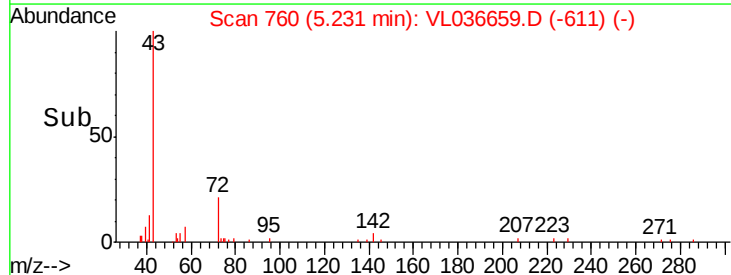
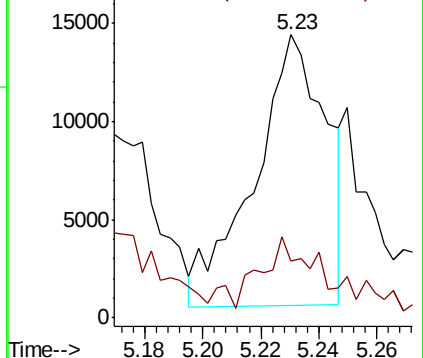


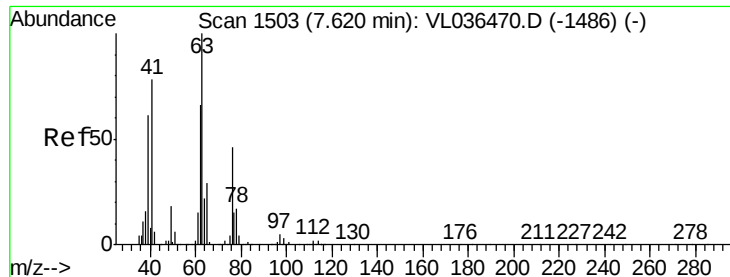
#34
 2-Butanone
 Concen: 0.144 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL036659.D
 Acq: 3 Apr 2021 00:13

Tgt Ion: 43 Resp: 23619
 Ion Ratio Lower Upper
 43 100
 72 35.5 17.0 25.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 6.912 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.47 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :

MSVOA_L

ClientSampleId :

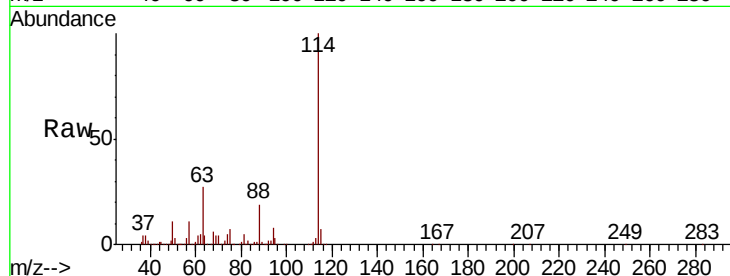
Tot Ion: 63 Resp: 867350

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

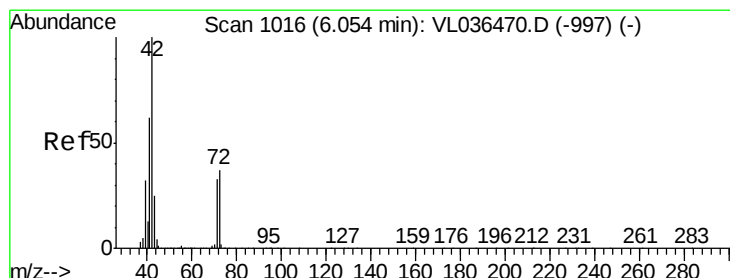
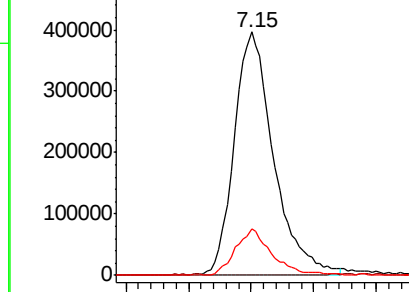
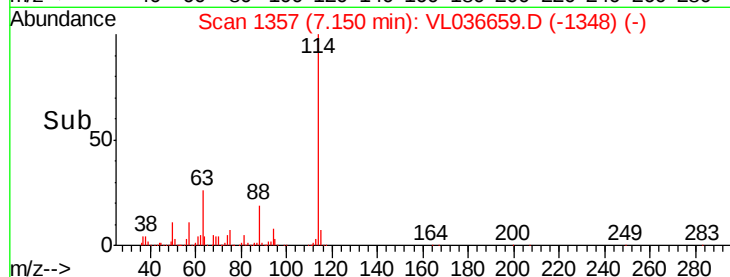
62 19.1 52.8 79.2#



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



#41

Tetrahydrofuran

Concen: 0.182 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.02 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

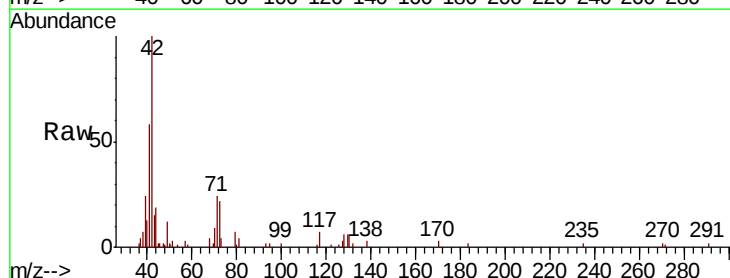
Tgt Ion: 42 Resp: 13708

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

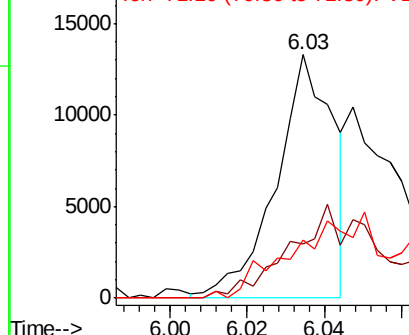
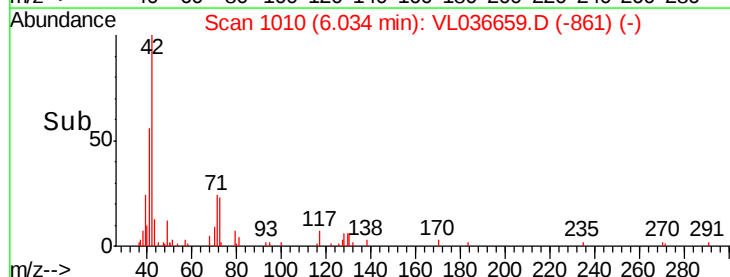
71 0.0 27.0 40.4#

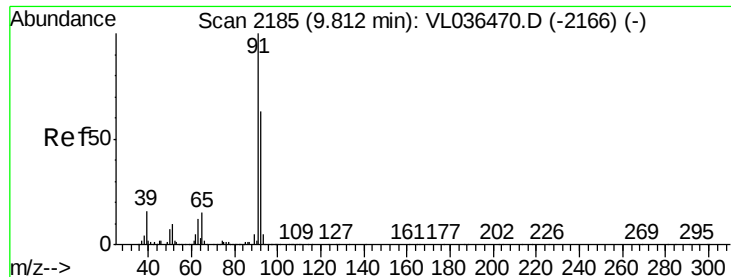


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#53

Toluene

Concen: 0.193 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :

MSVOA_L

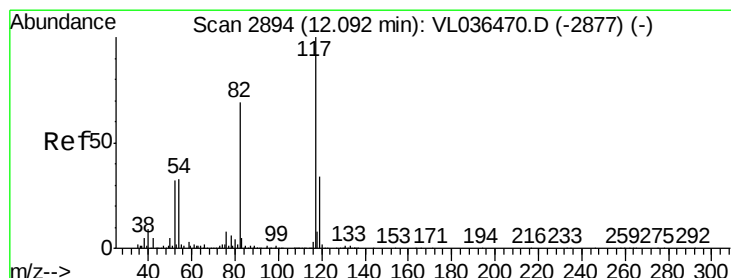
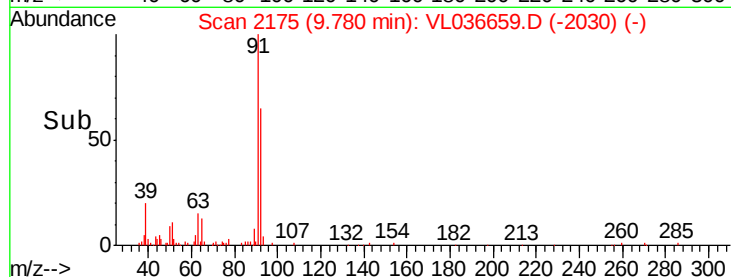
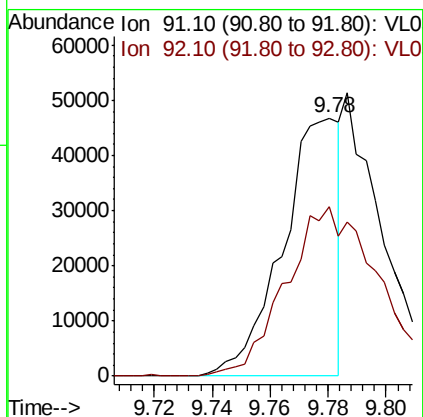
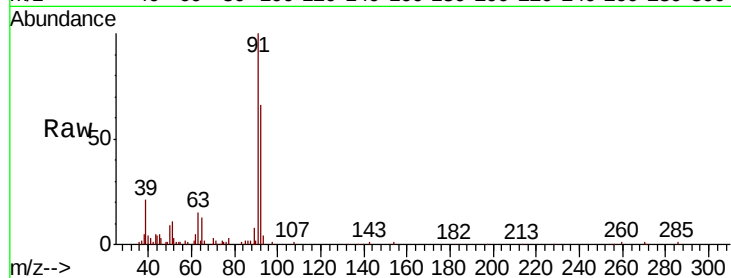
ClientSampleId :

Tot Ion: 91 Resp: 63722

Ion Ratio Lower Upper

91 100

92 111.0 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: VL036659.D

Acq: 3 Apr 2021 00:13

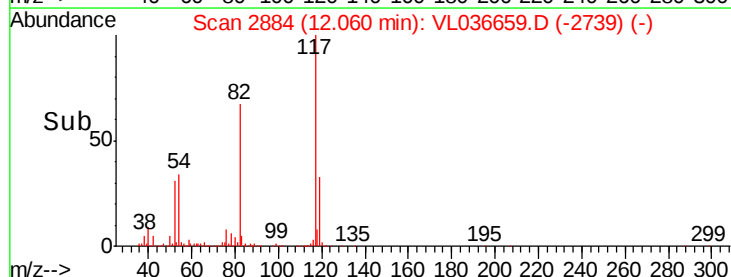
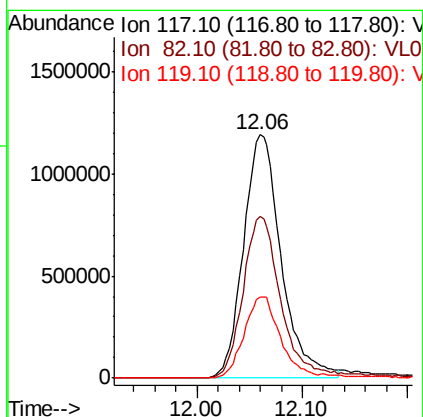
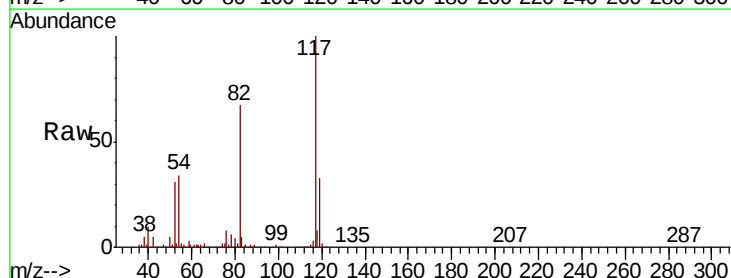
Tgt Ion: 117 Resp: 2968818

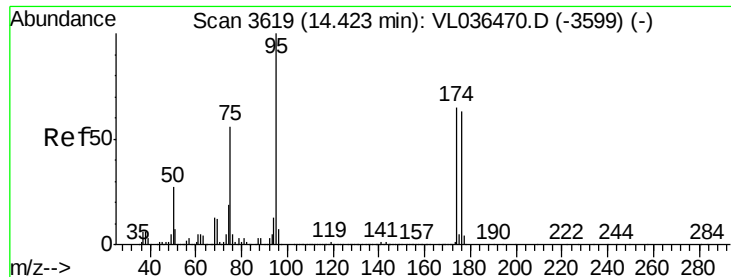
Ion Ratio Lower Upper

117 100

82 69.0 57.4 86.0

119 33.6 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.945 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2353176

Ion Ratio Lower Upper

95 100

174 70.0 51.0 76.6

175 5.4 3.9 5.9

