

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036689.D
 Acq On : 6 Apr 2021 1:44
 Operator : SY/AP
 Sample : M1877-09 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 06 03:42:05 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	5.67	49	1265260	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3101944	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2829508	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2165067	9.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

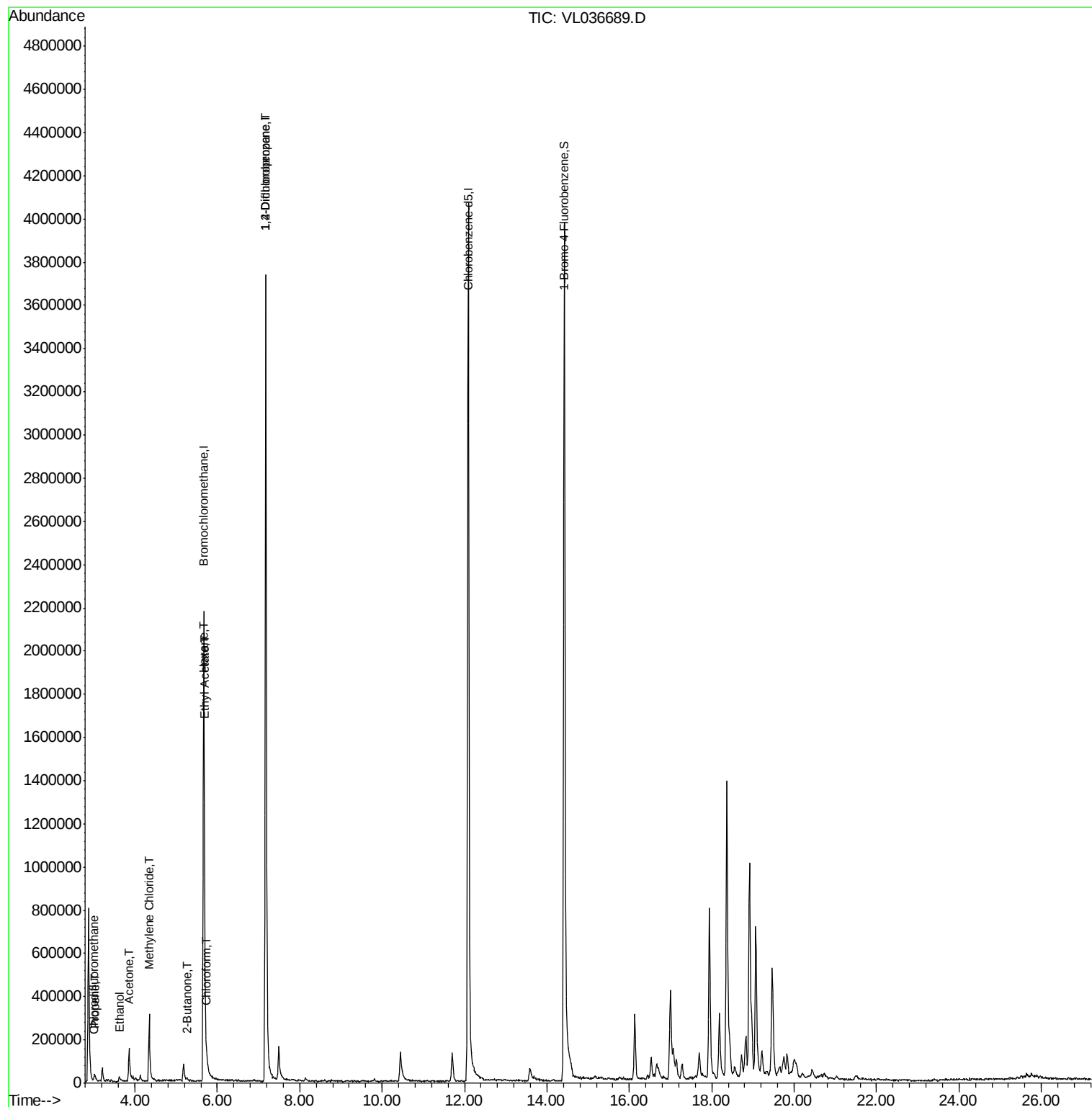
Target Compounds					Ovalue
3) Chlorodifluoromethane	2.99	51	7411	0.031	ppbv 94
9) Propene	3.02	41	7369	0.098	ppbv 85
13) Ethanol	3.62	45	11816	1.317	ppbv # 34
15) Acetone	3.85	43	189389	1.521	ppbv # 79
20) Methylene Chloride	4.35	84	110740	1.899	ppbv 90
25) Ethyl Acetate	5.69	43	45705	0.154	ppbv # 82
26) Hexane	5.69	57	57216	0.416	ppbv # 44
29) Chloroform	5.74	83	8538	0.039	ppbv 87
34) 2-Butanone	5.26	43	5814	0.038	ppbv # 55
39) 1,2-Dichloropropane	7.18	63	825362	7.112	ppbv # 23

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

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QLast Update : Thu Mar 25 09:42:40 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036689.D

Acq: 6 Apr 2021 1:44

Instrument :

MSVOA_L

ClientSampleId :

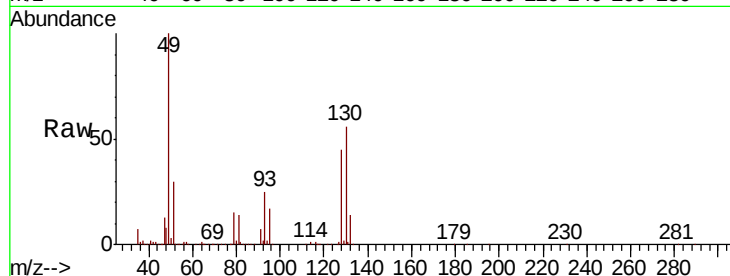
Tot Ion: 49 Resp: 1265260

Ion Ratio Lower Upper

49 100

128 46.6 23.5 70.6

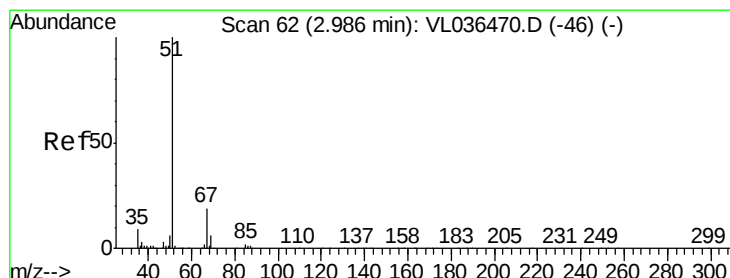
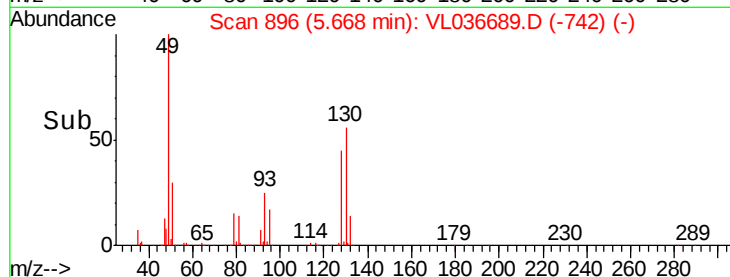
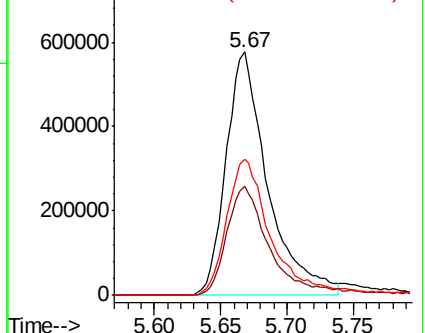
130 61.2 29.1 87.4



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



#3

Chlorodifluoromethane

Concen: 0.031 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL036689.D

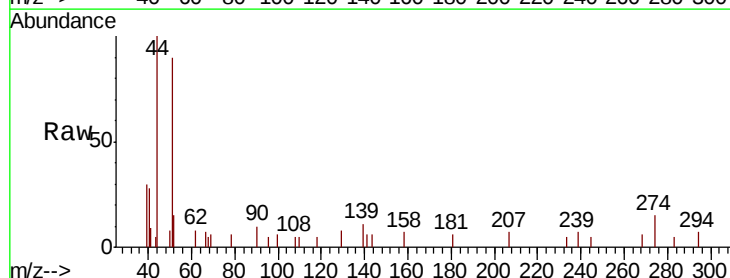
Acq: 6 Apr 2021 1:44

Tgt Ion: 51 Resp: 7411

Ion Ratio Lower Upper

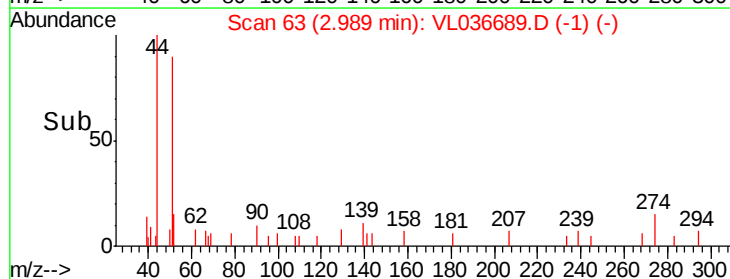
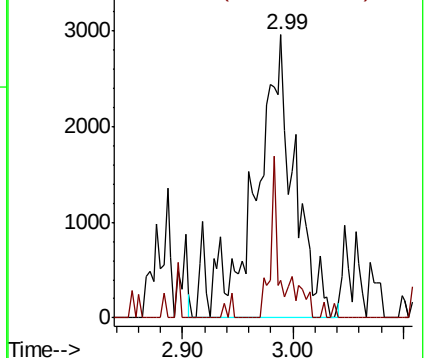
51 100

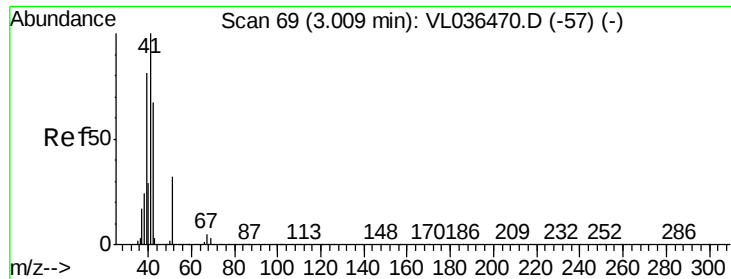
67 15.6 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

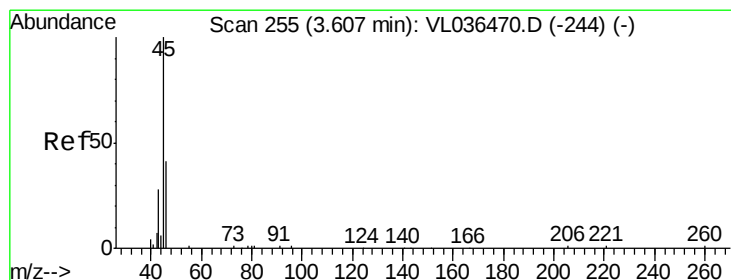
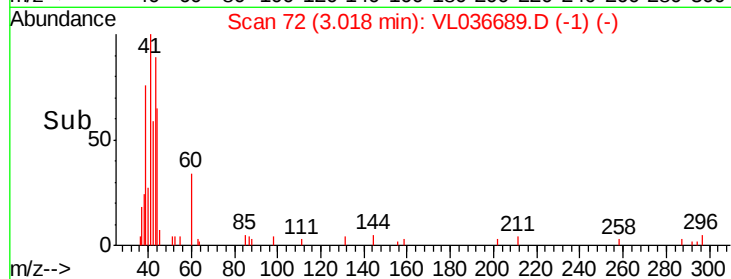
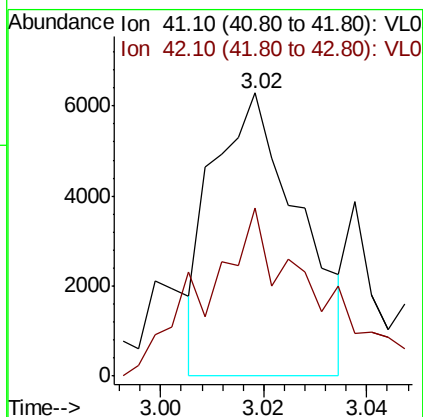
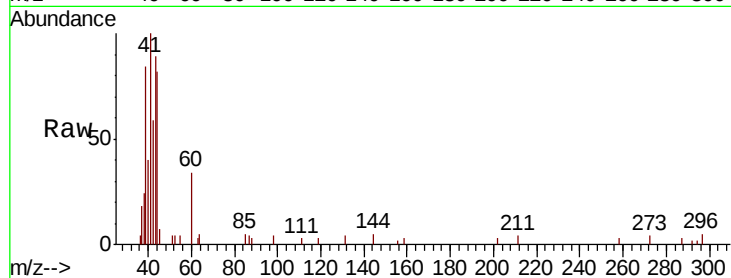




#9
 Propene
 Concen: 0.098 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL036689.D
 Acq: 6 Apr 2021 1:44

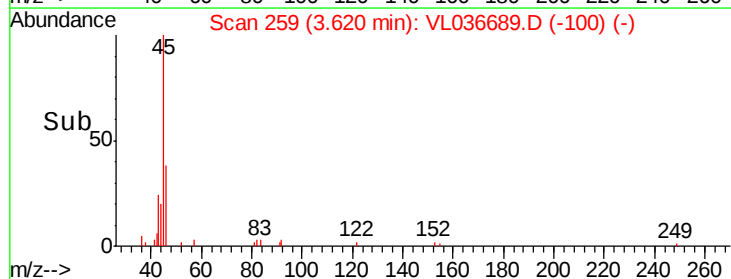
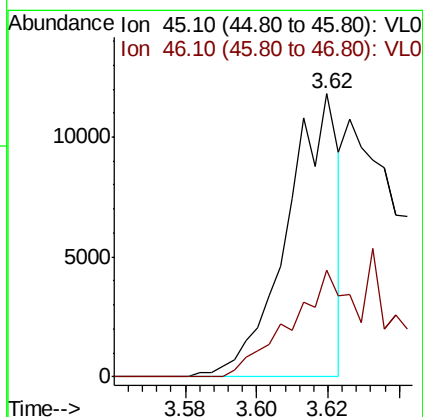
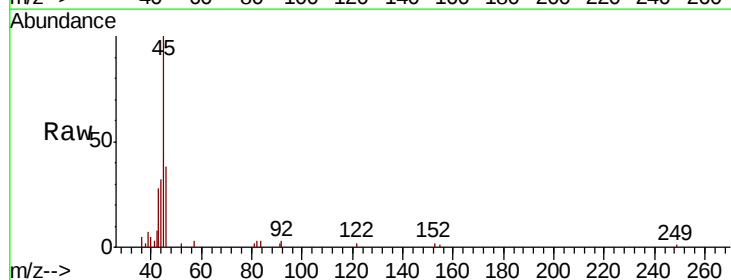
Instrument :
 MSVOA_L
 ClientSampled :

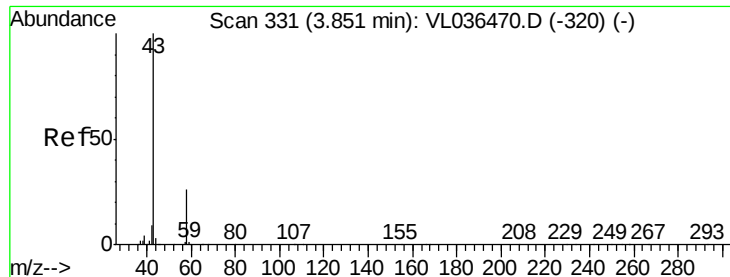
Tot Ion: 41 Resp: 7369
 Ion Ratio Lower Upper
 41 100
 42 83.9 57.0 85.4



#13
 Ethanol
 Concen: 1.317 ppbv
 RT: 3.62 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VL036689.D
 Acq: 6 Apr 2021 1:44

Tgt Ion: 45 Resp: 11816
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.6 66.2#





#15

Acetone

Concen: 1.521 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL036689.D

Acq: 6 Apr 2021 1:44

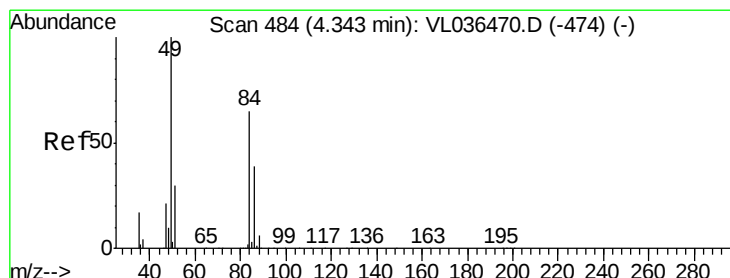
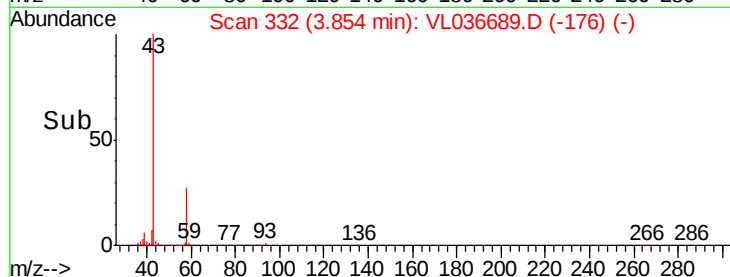
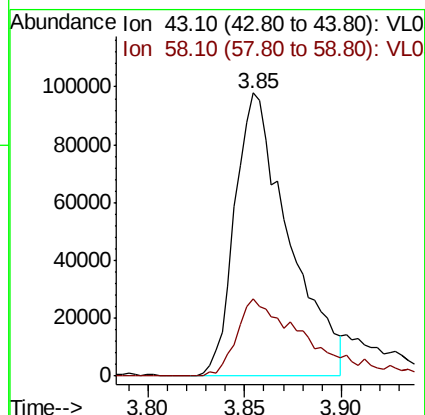
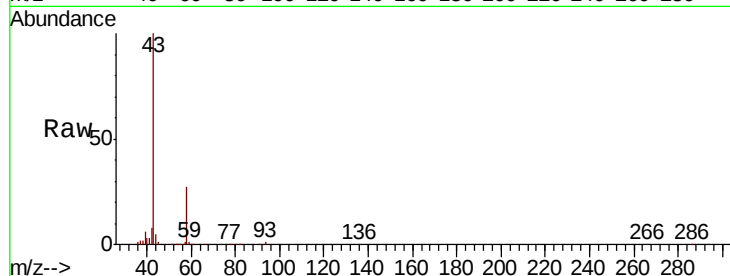
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 189389

Ion Ratio Lower Upper

43 100

58 37.4 21.2 31.8#



#20

Methylene Chloride

Concen: 1.899 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036689.D

Acq: 6 Apr 2021 1:44

Tgt Ion: 84 Resp: 110740

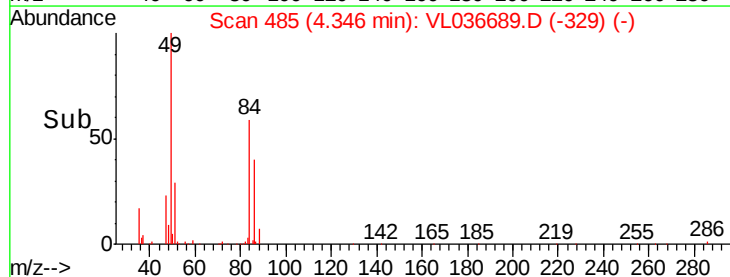
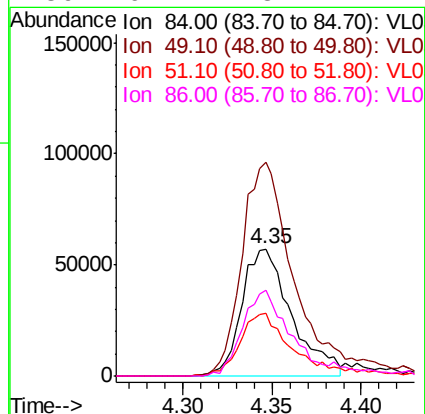
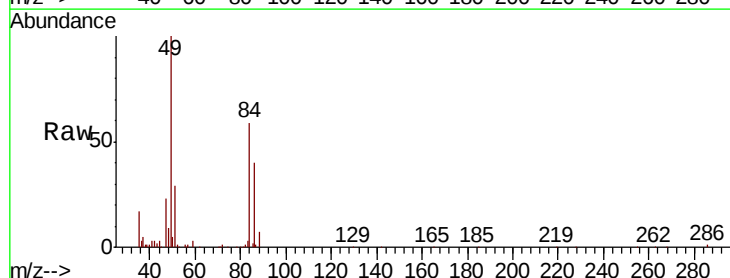
Ion Ratio Lower Upper

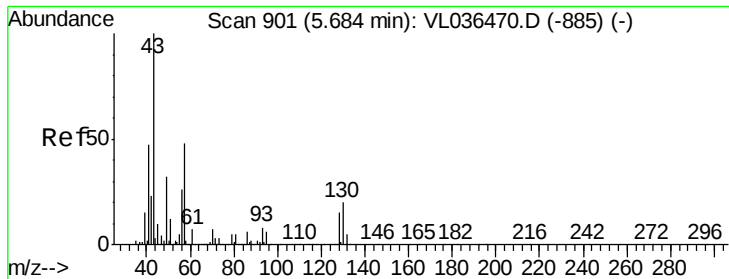
84 100

49 168.2 122.9 184.3

51 49.1 36.9 55.3

86 67.1 48.2 72.4





#25

Ethyl Acetate

Concen: 0.154 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL036689.D

Acq: 6 Apr 2021 1:44

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 45705

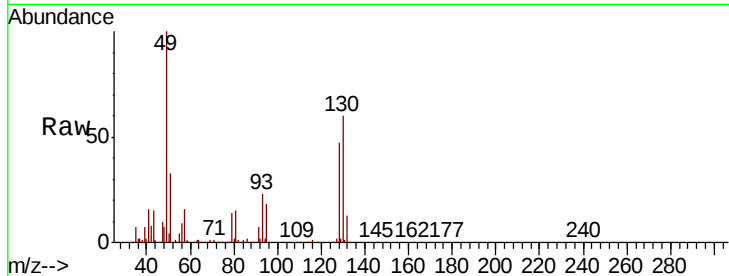
Ion Ratio Lower Upper

43 100

45 2.7 7.9 11.9#

61 0.7 7.4 11.2#

70 3.3 5.1 7.7#

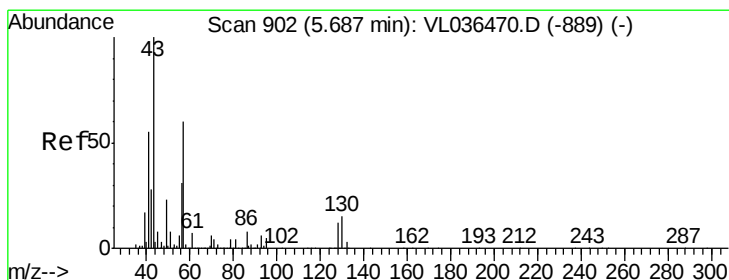
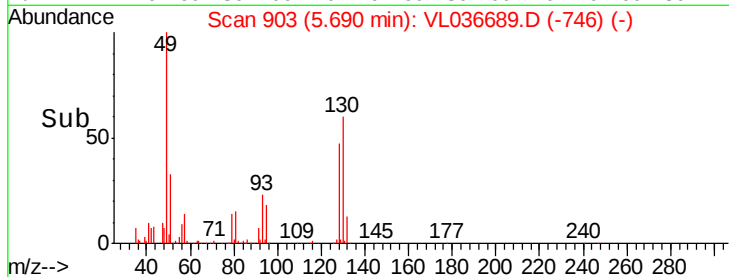
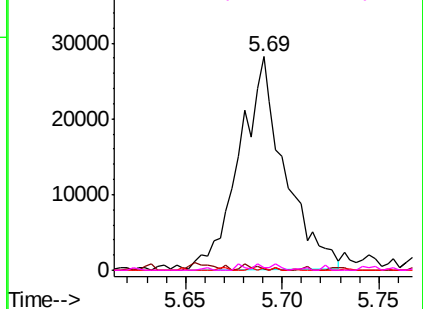


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.416 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL036689.D

Acq: 6 Apr 2021 1:44

Tgt Ion: 57 Resp: 57216

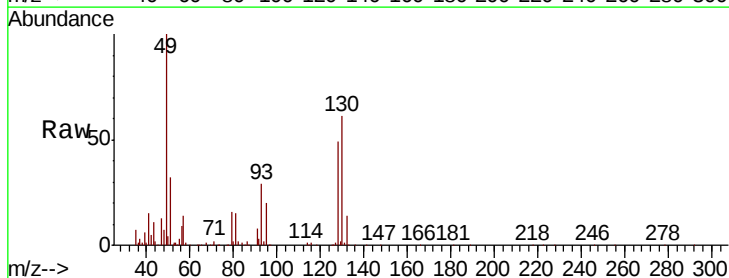
Ion Ratio Lower Upper

57 100

41 122.5 77.2 115.8#

43 90.1 173.8 260.6#

56 66.0 43.8 65.6#

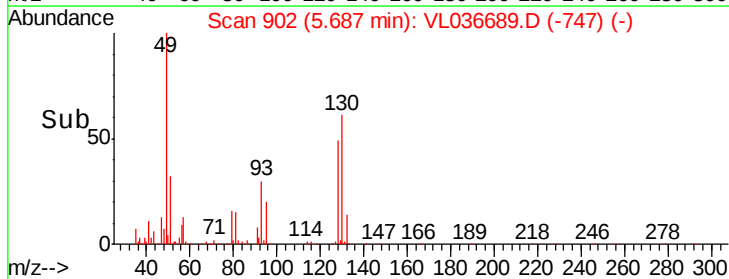
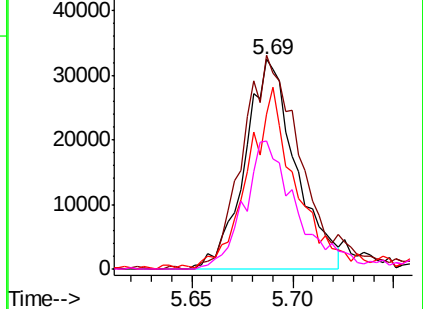


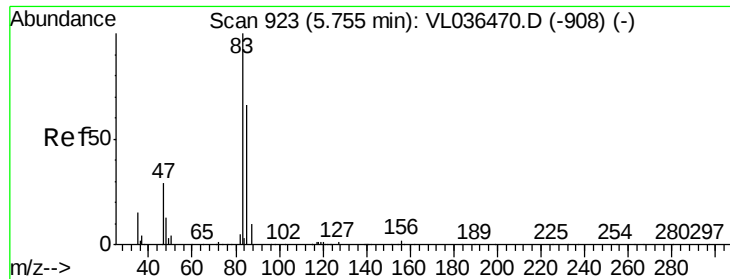
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#29

Chloroform

Concen: 0.039 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.01 min

Lab File: VL036689.D

Acq: 6 Apr 2021 1:44

Instrument :

MSVOA_L

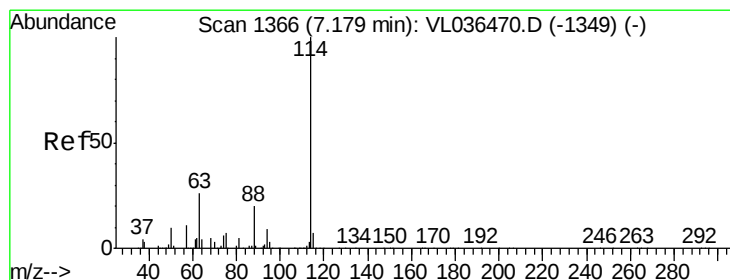
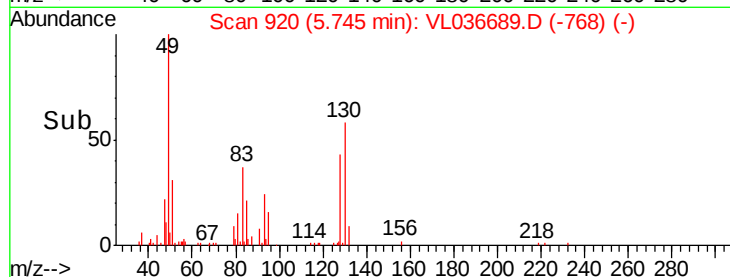
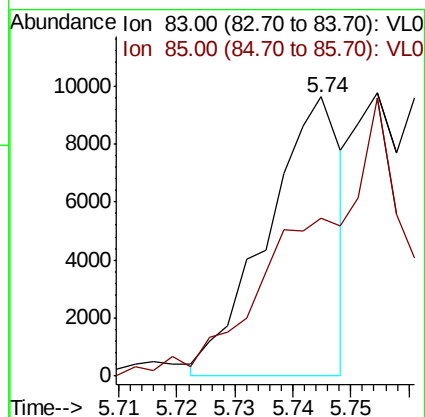
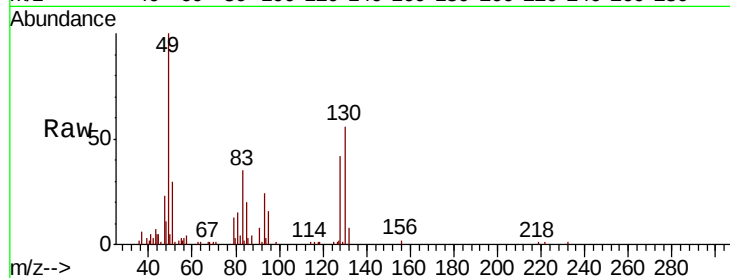
ClientSampleId :

Tot Ion: 83 Resp: 8538

Ion Ratio Lower Upper

83 100

85 55.7 52.6 78.8



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL036689.D

Acq: 6 Apr 2021 1:44

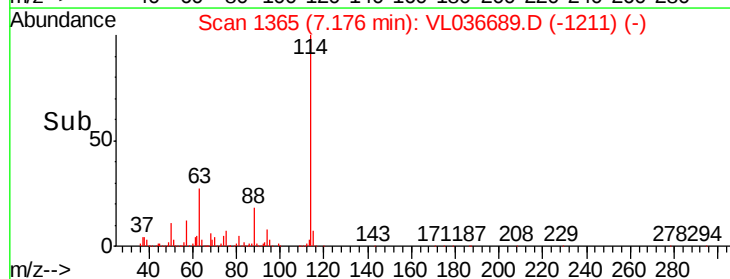
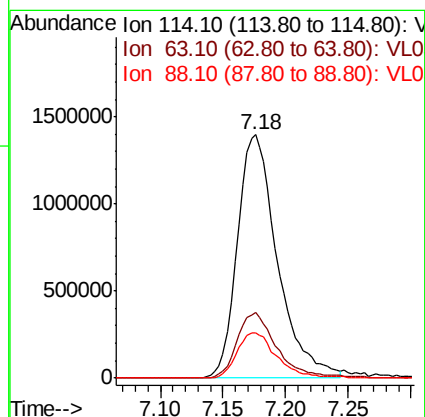
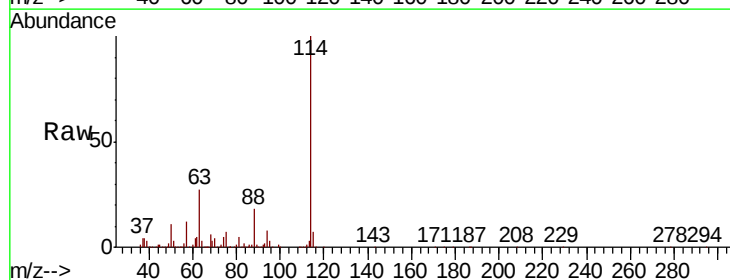
Tgt Ion: 114 Resp: 3101944

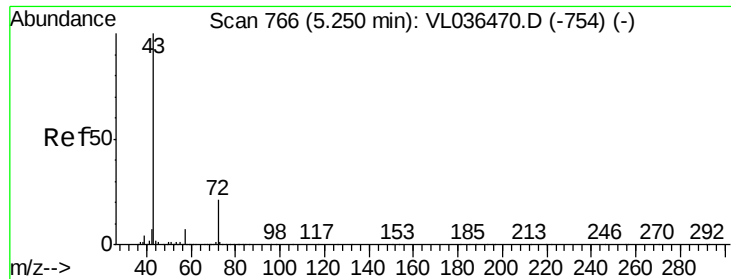
Ion Ratio Lower Upper

114 100

63 26.9 22.4 33.6

88 18.8 15.4 23.0

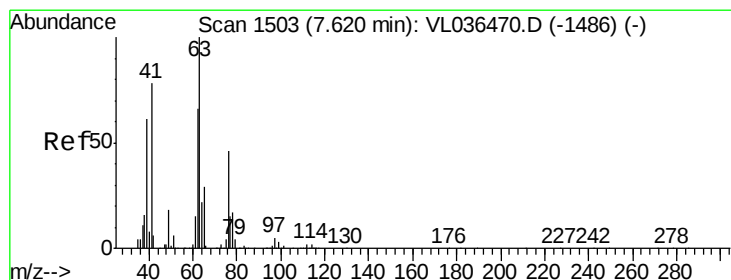
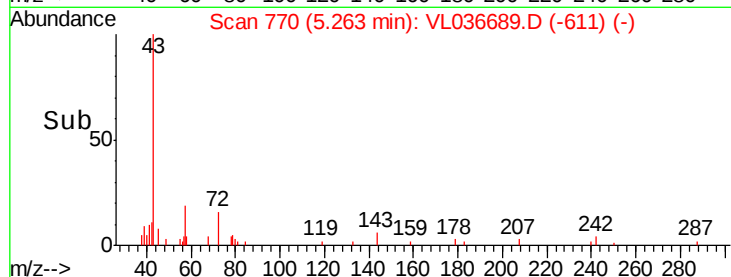
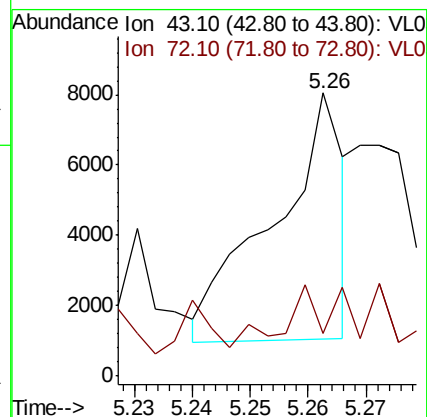
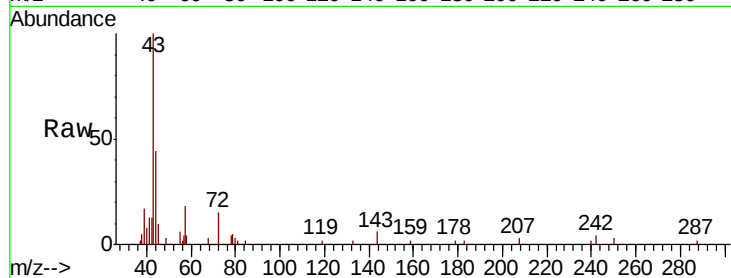




#34
2-Butanone
Concen: 0.038 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.01 min
Lab File: VL036689.D
Acq: 6 Apr 2021 1:44

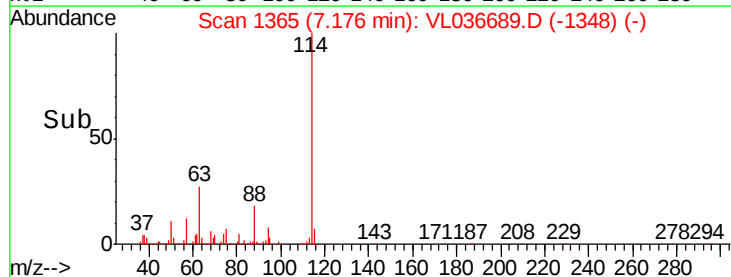
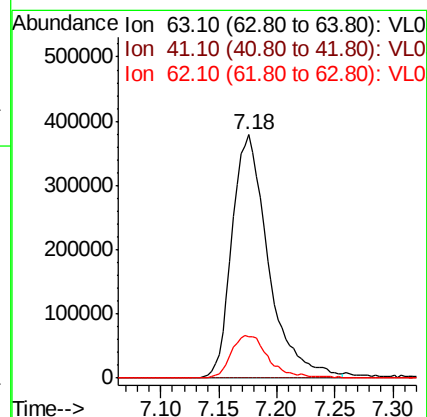
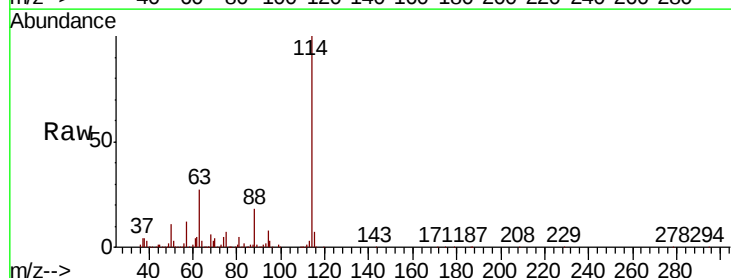
Instrument :
MSVOA_L
ClientSampleId :

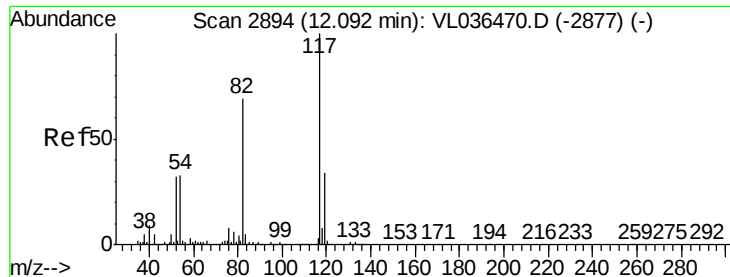
Tot Ion: 43 Resp: 5814
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



#39
1,2-Dichloropropane
Concen: 7.112 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.44 min
Lab File: VL036689.D
Acq: 6 Apr 2021 1:44

Tgt Ion: 63 Resp: 825362
Ion Ratio Lower Upper
63 100
41 0.1 62.4 93.6#
62 16.7 52.8 79.2#

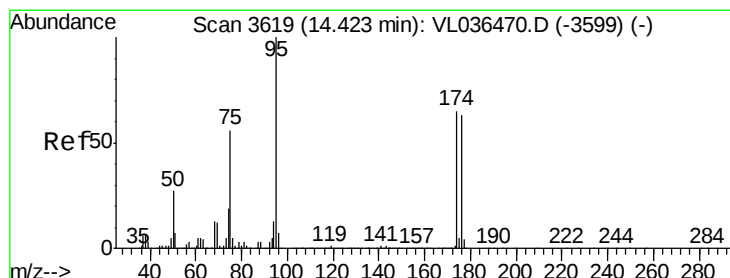
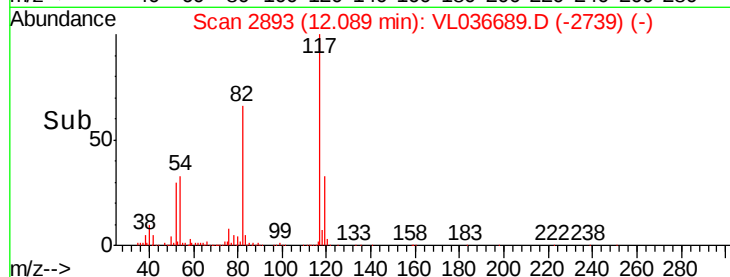
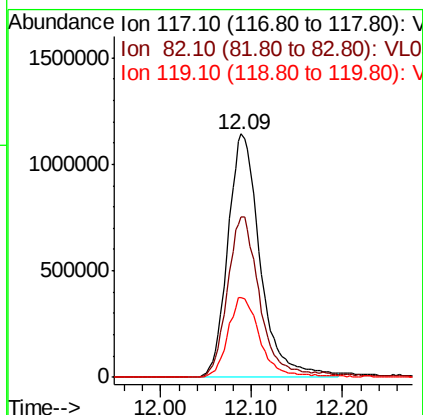
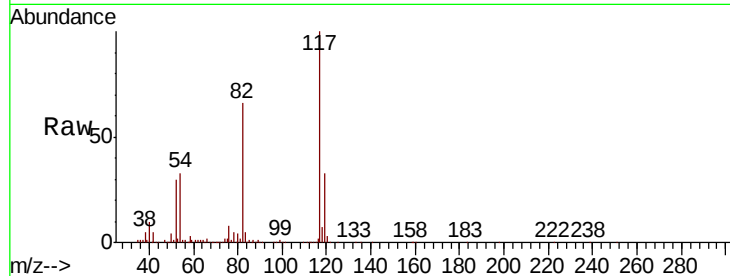




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL036689.D
Acq: 6 Apr 2021 1:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2829508
Ion Ratio Lower Upper
117 100
82 67.9 57.4 86.0
119 32.9 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.601 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL036689.D
Acq: 6 Apr 2021 1:44

Tgt Ion: 95 Resp: 2165067
Ion Ratio Lower Upper
95 100
174 67.3 51.0 76.6
175 4.6 3.9 5.9

