

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036238.D
 Acq On : 13 Jan 2021 23:44
 Operator : SY/AP
 Sample : M1070-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Quant Time: Jan 14 00:34:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1539037	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3343987	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2994778	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2533178	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

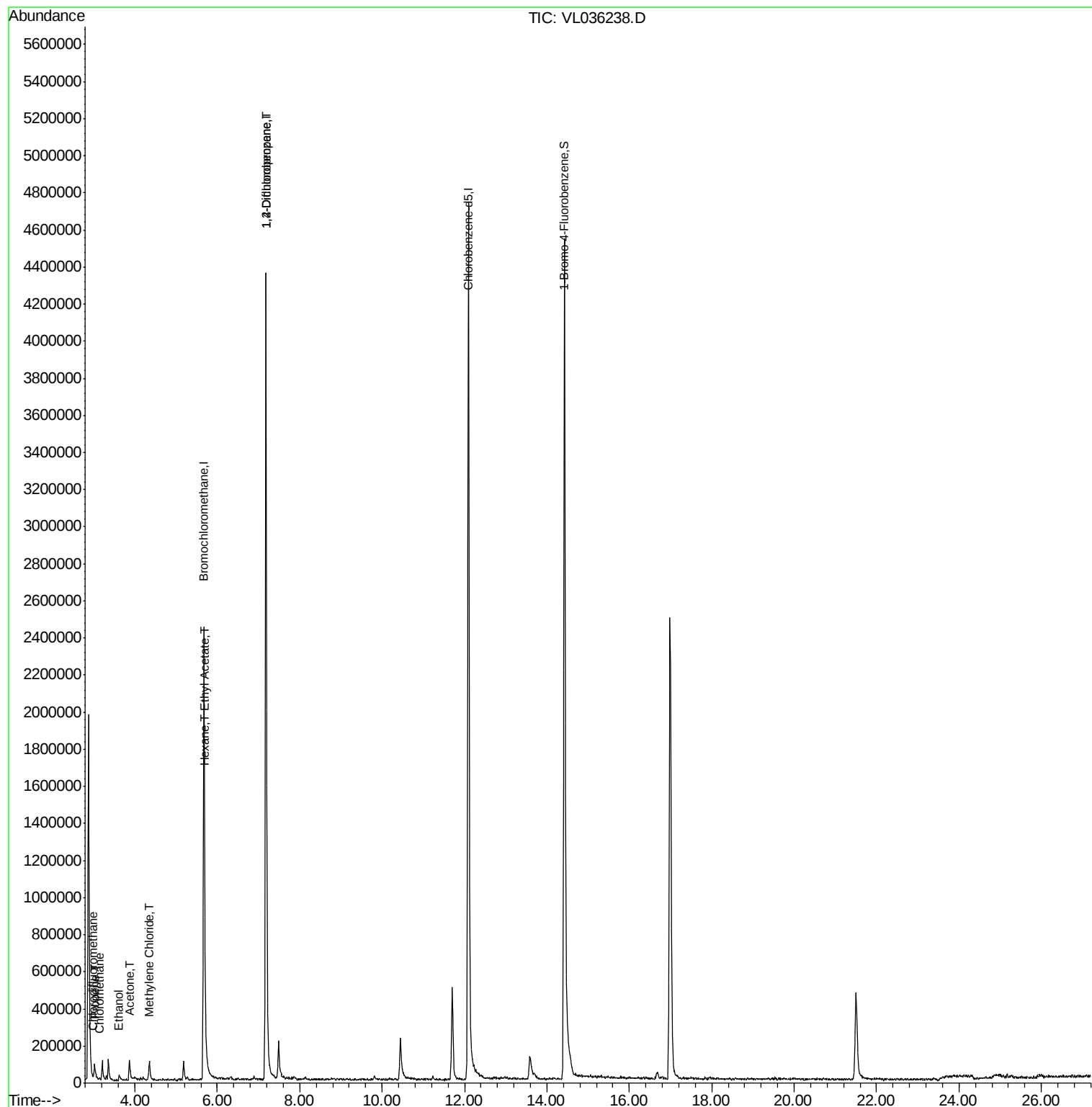
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	12956	0.068	ppbv	99
4) Chloromethane	3.14	50	3899	0.041	ppbv	93
9) Propene	3.02	41	22768	0.250	ppbv #	79
13) Ethanol	3.62	45	18910	0.990	ppbv #	29
15) Acetone	3.86	43	126494	0.692	ppbv #	73
20) Methylene Chloride	4.35	84	19074	0.341	ppbv #	79
25) Ethyl Acetate	5.69	43	31422	0.084	ppbv #	83
26) Hexane	5.70	57	18954	0.122	ppbv #	40
39) 1,2-Dichloropropane	7.18	63	997859	8.021	ppbv #	21

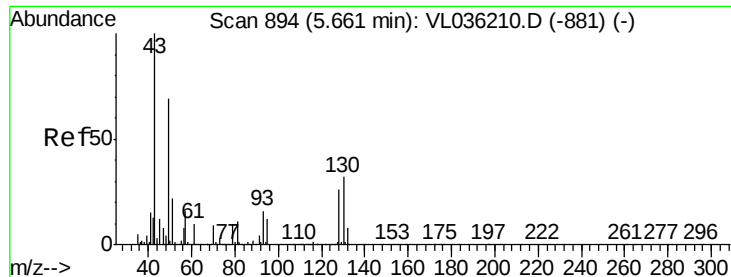
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL036238.D

Acq: 13 Jan 2021 23:44

Instrument :

MSVOA_L

ClientSampleID :

IA2DL

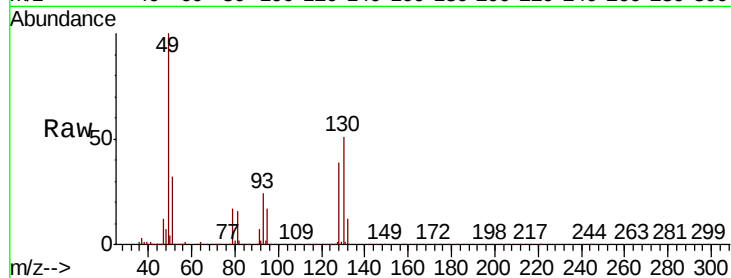
Tot Ion: 49 Resp: 1539037

Ion Ratio Lower Upper

49 100

128 39.8 20.1 60.2

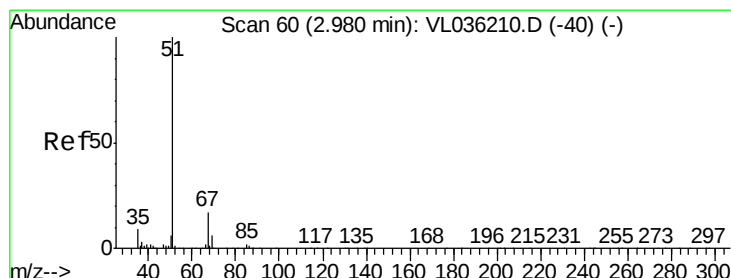
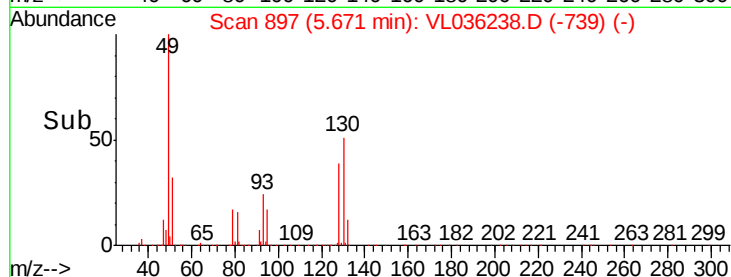
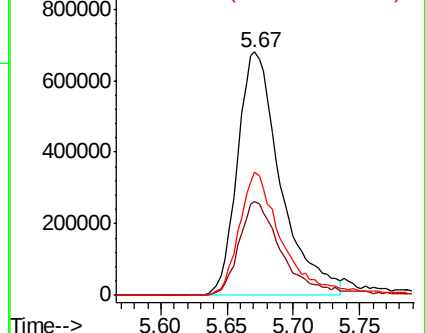
130 51.6 25.3 75.9



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: 0.068 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL036238.D

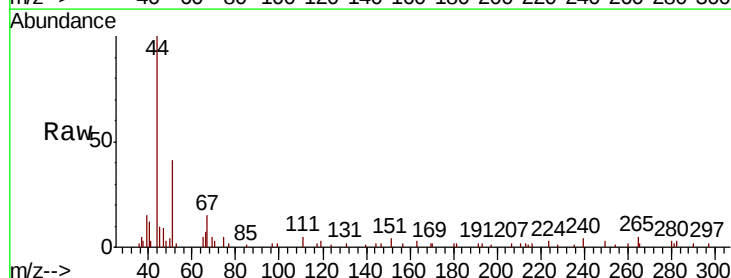
Acq: 13 Jan 2021 23:44

Tgt Ion: 51 Resp: 12956

Ion Ratio Lower Upper

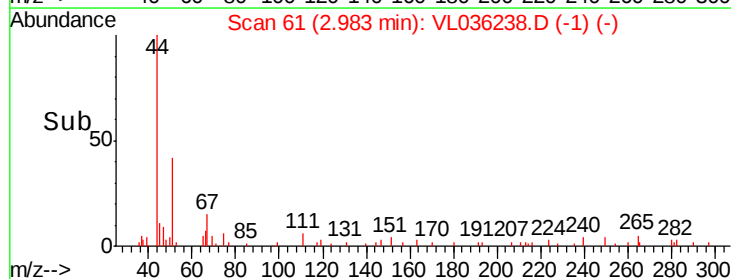
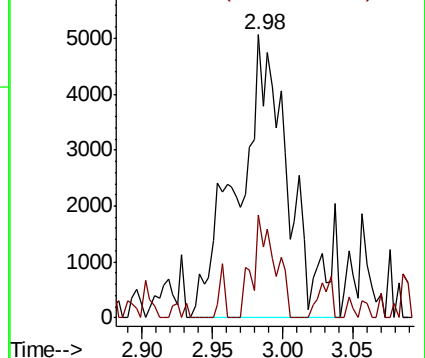
51 100

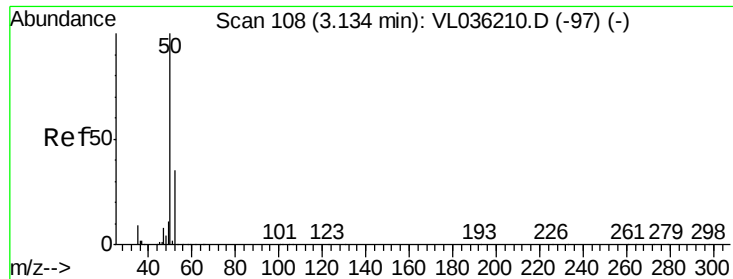
67 18.1 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

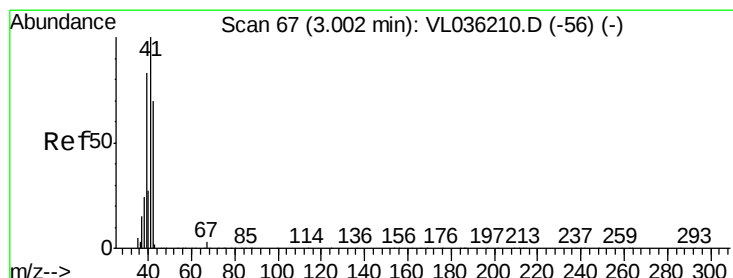
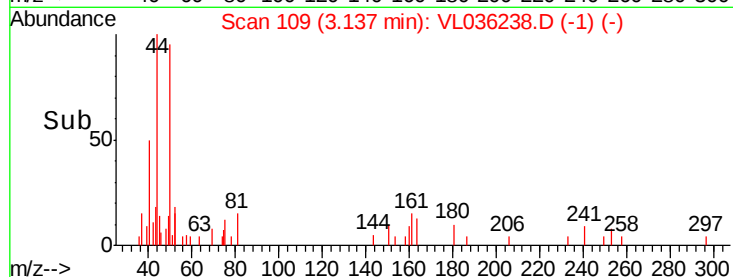
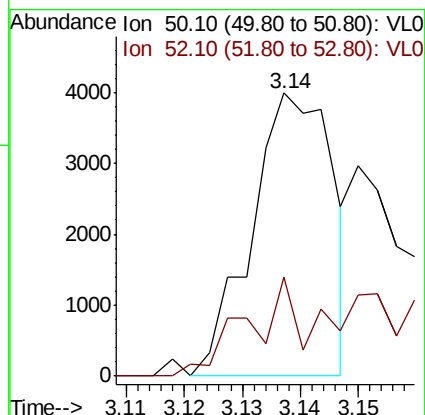
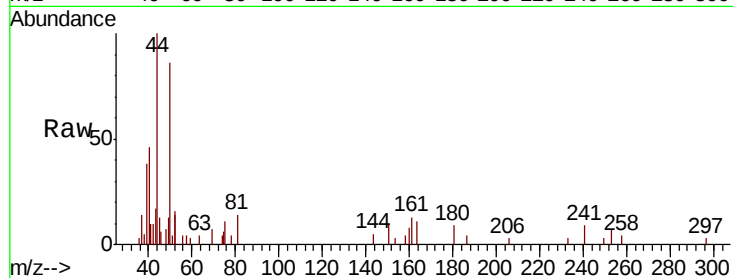




#4
Chloromethane
Concen: 0.041 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL036238.D
Acq: 13 Jan 2021 23:44

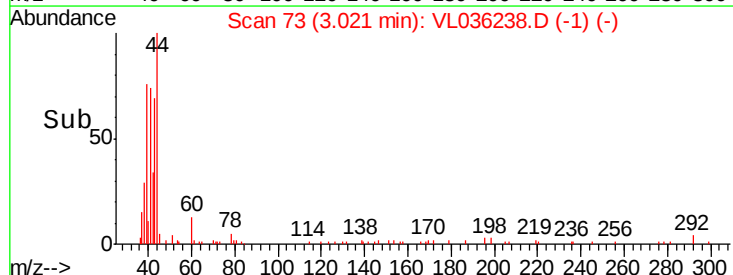
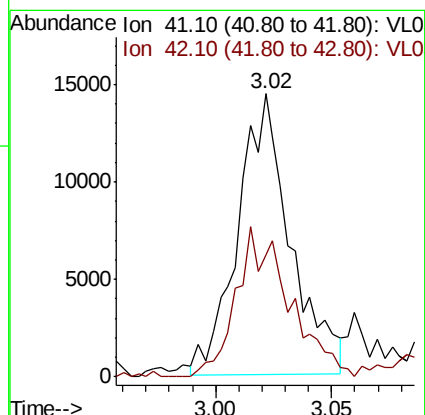
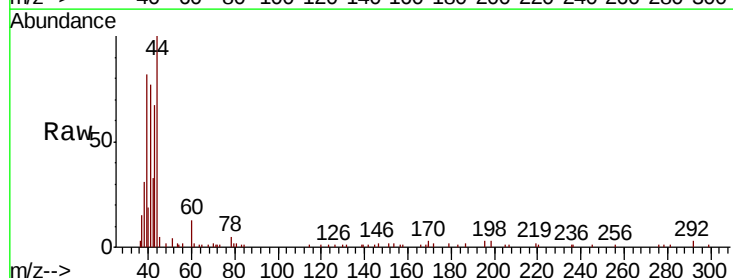
Instrument :
MSVOA_L
ClientSampleId :
IA2DL

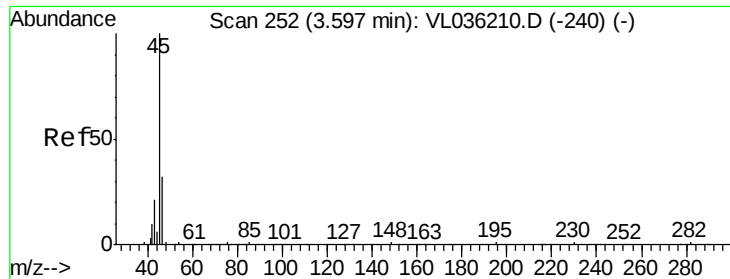
Tot Ion: 50 Resp: 3899
Ion Ratio Lower Upper
50 100
52 30.6 27.8 41.8



#9
Propene
Concen: 0.250 ppbv
RT: 3.02 min Scan# 73
Delta R.T. 0.02 min
Lab File: VL036238.D
Acq: 13 Jan 2021 23:44

Tgt Ion: 41 Resp: 22768
Ion Ratio Lower Upper
41 100
42 54.1 57.1 85.7#

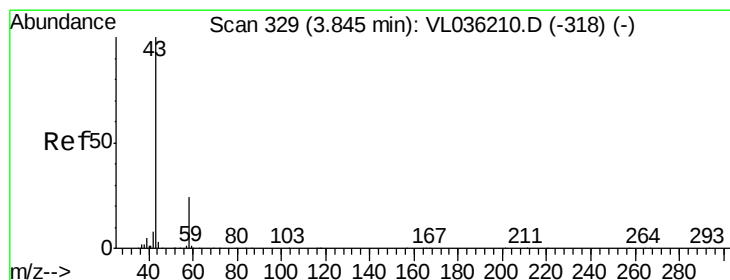
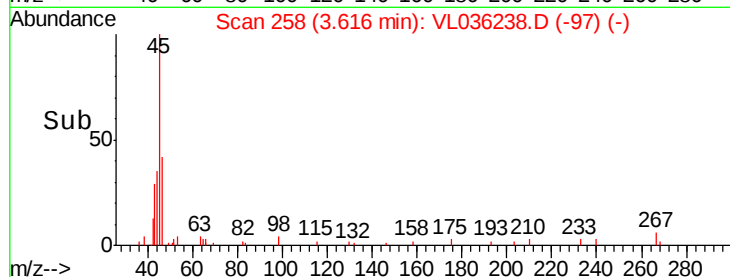
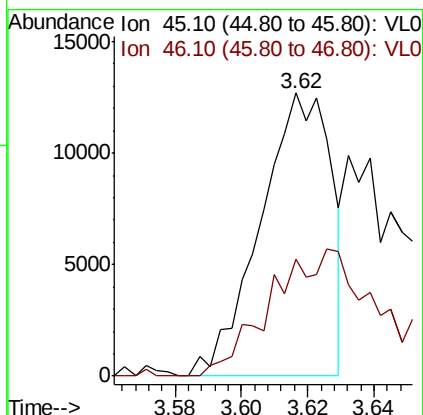
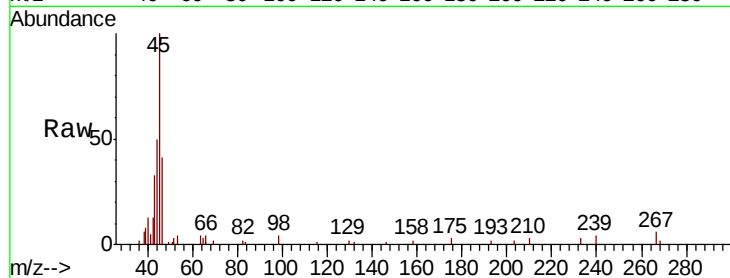




#13
Ethanol
Concen: 0.990 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL036238.D
Acq: 13 Jan 2021 23:44

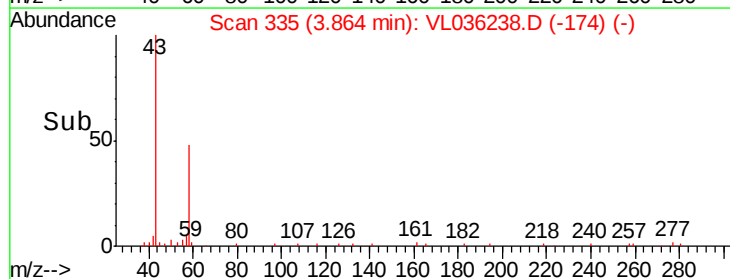
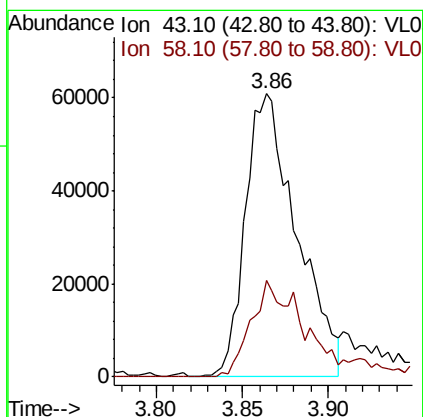
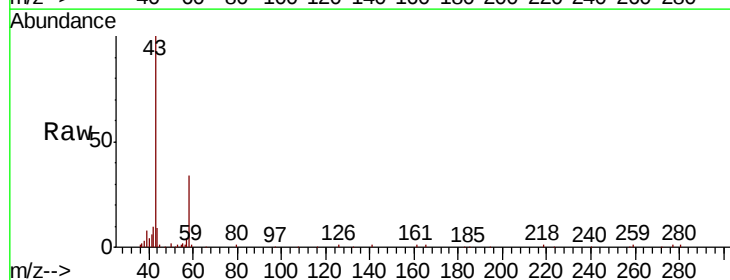
Instrument :
MSVOA_L
ClientSampleId :
IA2DL

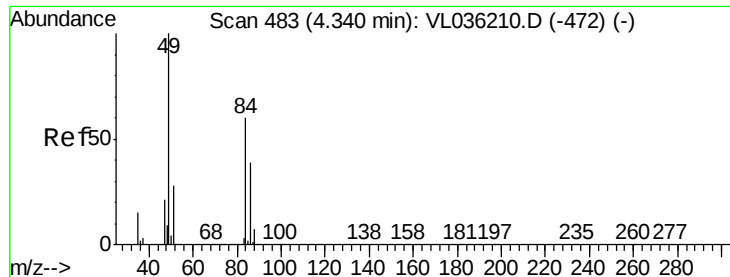
Tot Ion: 45 Resp: 18910
Ion Ratio Lower Upper
45 100
46 0.0 19.2 77.0#



#15
Acetone
Concen: 0.692 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL036238.D
Acq: 13 Jan 2021 23:44

Tgt Ion: 43 Resp: 126494
Ion Ratio Lower Upper
43 100
58 40.0 20.9 31.3#

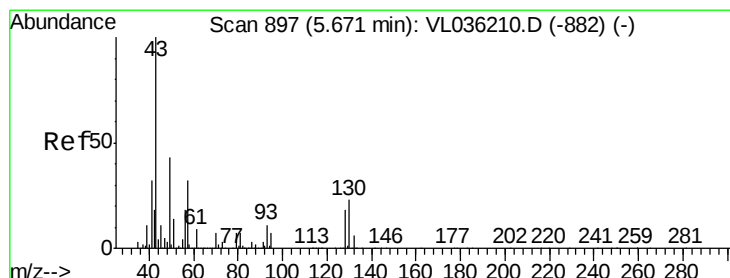
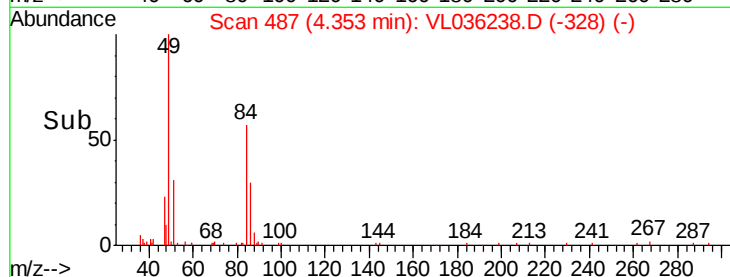
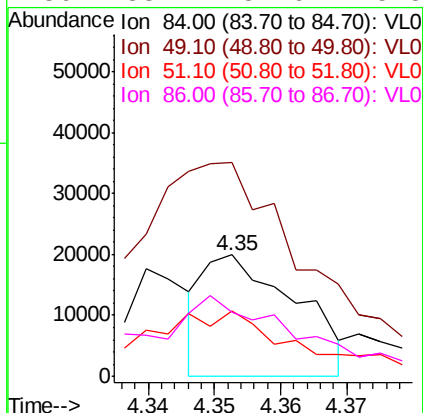
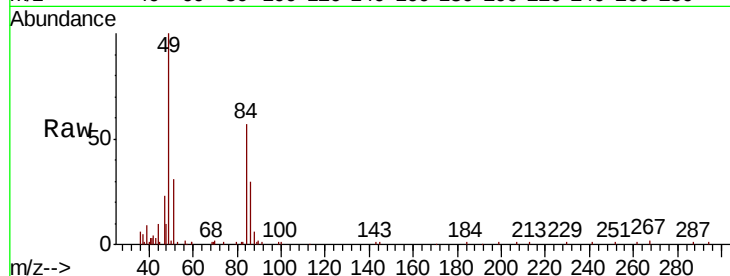




#20
Methylene Chloride
Concen: 0.341 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036238.D
Acq: 13 Jan 2021 23:44

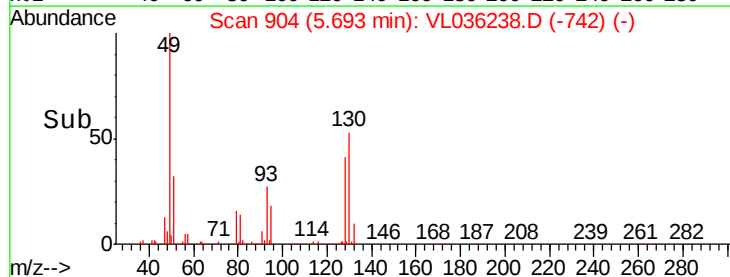
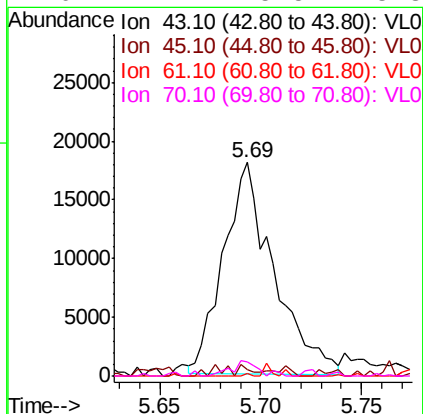
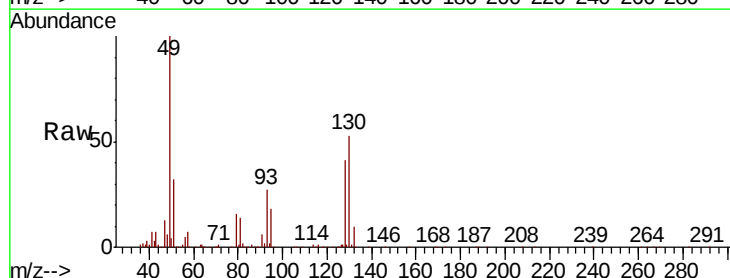
Instrument :
MSVOA_L
ClientSampled :
IA2DL

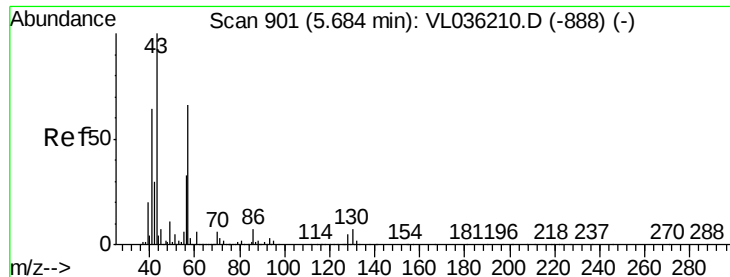
Tot Ion: 84 Resp: 19074
Ion Ratio Lower Upper
84 100
49 141.5 134.1 201.1
51 51.0 37.4 56.0
86 38.2 52.6 78.8#



#25
Ethyl Acetate
Concen: 0.084 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL036238.D
Acq: 13 Jan 2021 23:44

Tgt Ion: 43 Resp: 31422
Ion Ratio Lower Upper
43 100
45 4.4 8.3 12.5#
61 0.0 7.4 11.2#
70 4.7 5.5 8.3#





#26

Hexane

Concen: 0.122 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL036238.D

Acq: 13 Jan 2021 23:44

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tot Ion: 57 Resp: 18954

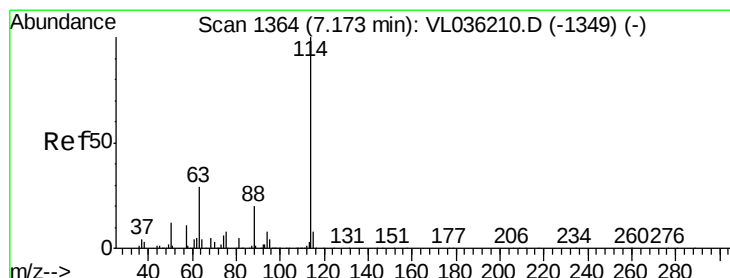
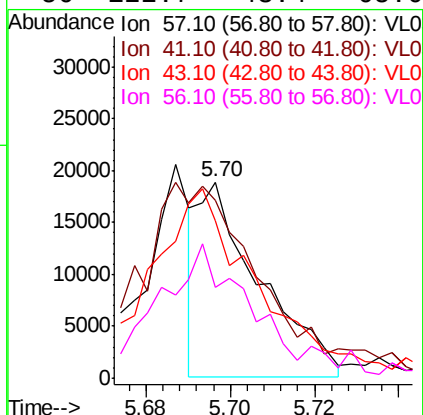
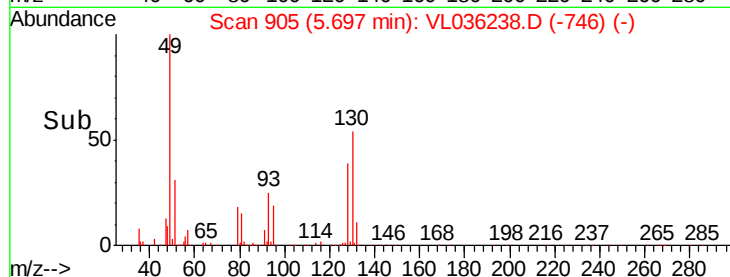
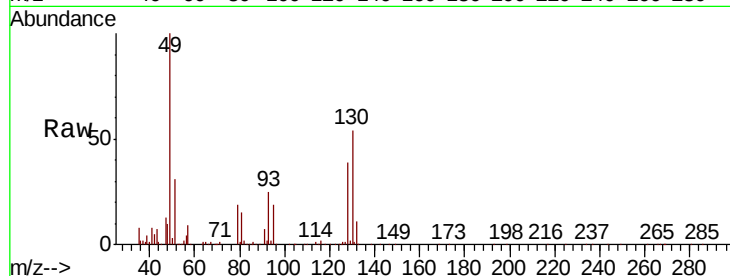
Ion Ratio Lower Upper

57 100

41 0.0 83.0 124.6#

43 190.0 202.4 303.6#

56 122.7 43.4 65.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VL036238.D

Acq: 13 Jan 2021 23:44

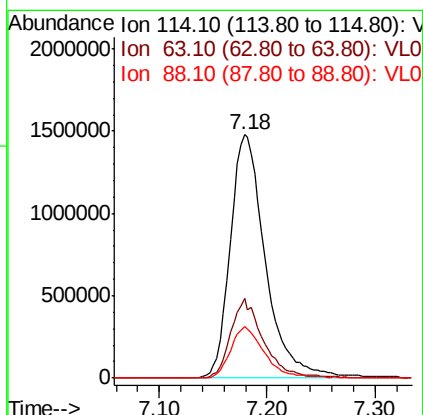
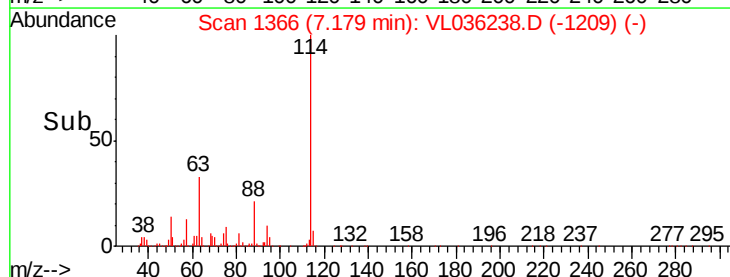
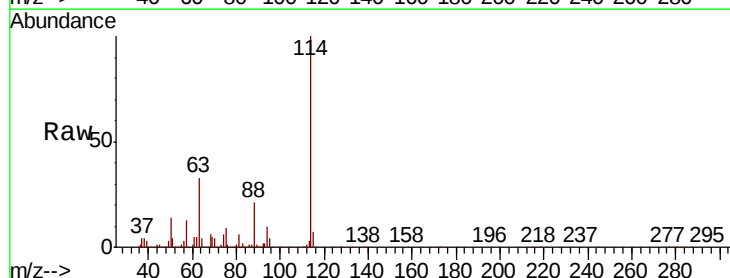
Tgt Ion: 114 Resp: 3343987

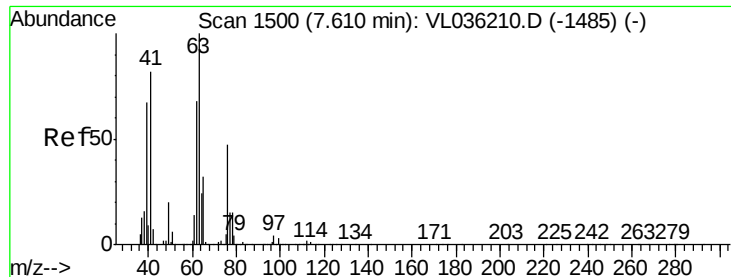
Ion Ratio Lower Upper

114 100

63 30.8 24.7 37.1

88 20.6 16.6 24.8





#39

1,2-Dichloropropane

Concen: 8.021 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.43 min

Lab File: VL036238.D

Acq: 13 Jan 2021 23:44

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

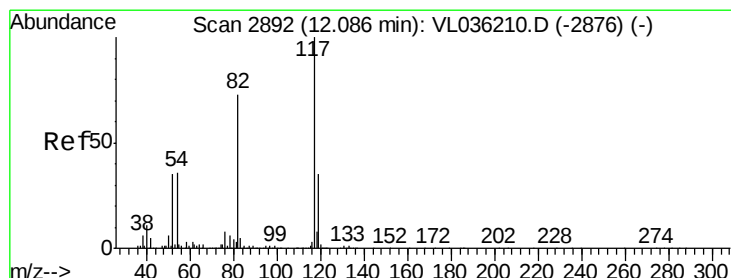
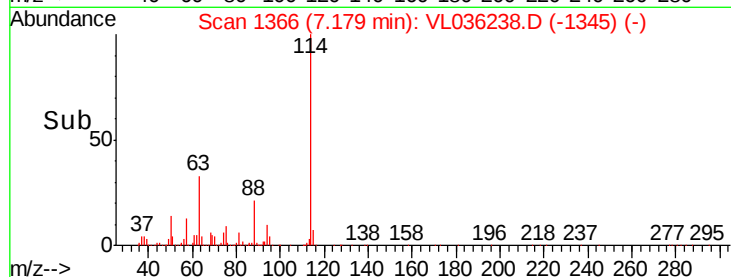
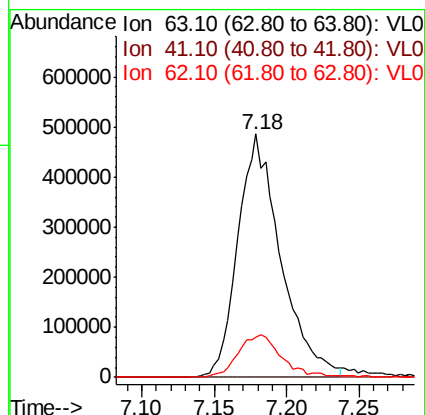
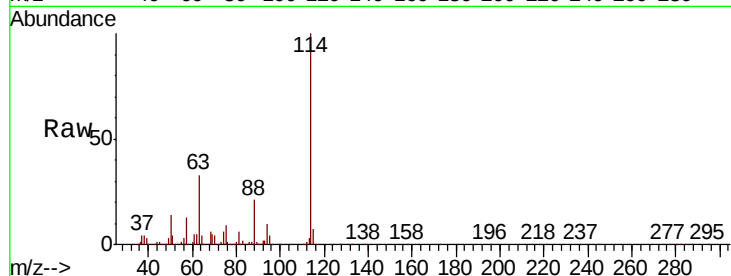
Tot Ion: 63 Resp: 997859

Ion Ratio Lower Upper

63 100

41 0.1 66.1 99.1#

62 16.4 54.8 82.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.01 min

Lab File: VL036238.D

Acq: 13 Jan 2021 23:44

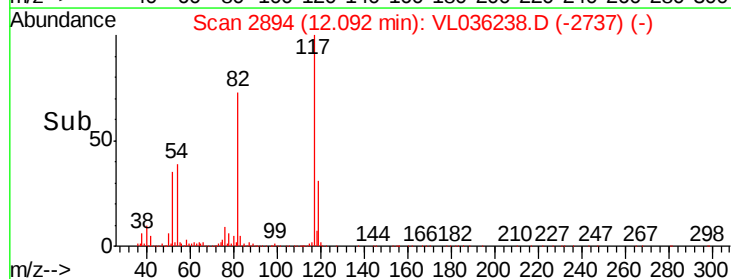
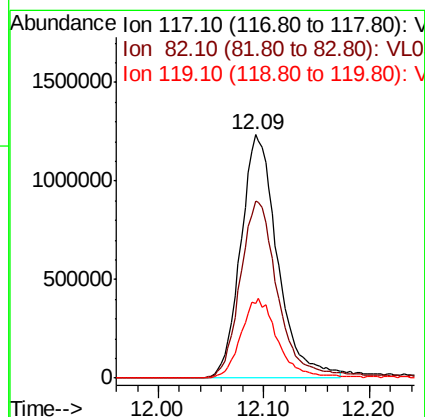
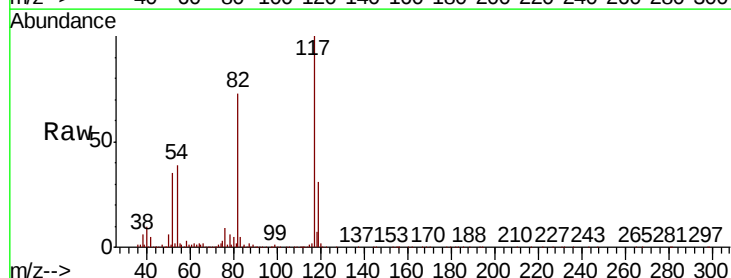
Tgt Ion: 117 Resp: 2994778

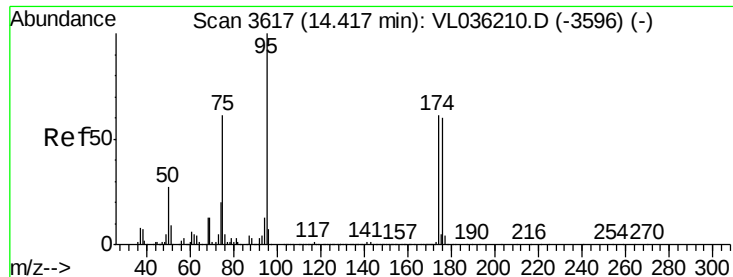
Ion Ratio Lower Upper

117 100

82 77.0 59.7 89.5

119 32.7 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.219 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL036238.D

Acq: 13 Jan 2021 23:44

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tot Ion: 95 Resp: 2533178

Ion Ratio Lower Upper

95 100

174 61.9 49.4 74.0

175 4.7 3.8 5.8

