

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036111.D
 Acq On : 9 Dec 2020 1:40
 Operator : SY/AP
 Sample : L4948-09DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8BDL

Quant Time: Dec 09 07:23:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1147112	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	2487726	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2205372	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1800925	10.28	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

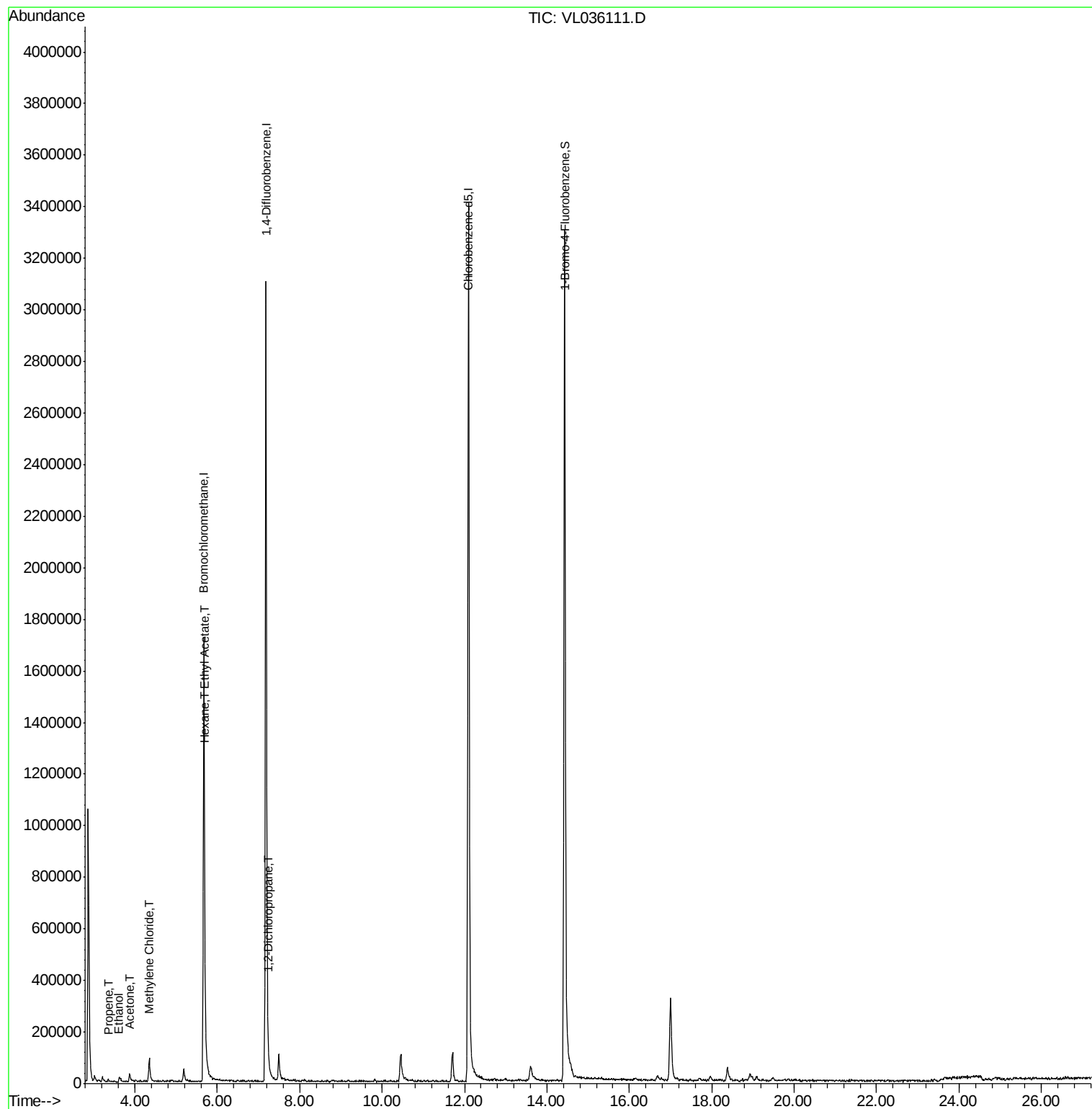
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.35	41	3047	0.046	ppbv	86
13) Ethanol	3.60	45	2073	0.229	ppbv #	29
15) Acetone	3.87	43	23021	0.167	ppbv #	2
20) Methylene Chloride	4.35	84	33536	0.594	ppbv #	93
25) Ethyl Acetate	5.69	43	13443	0.049	ppbv #	79
26) Hexane	5.69	57	6500	0.052	ppbv #	46
39) 1,2-Dichloropropane	7.23	63	11264	0.135	ppbv #	23

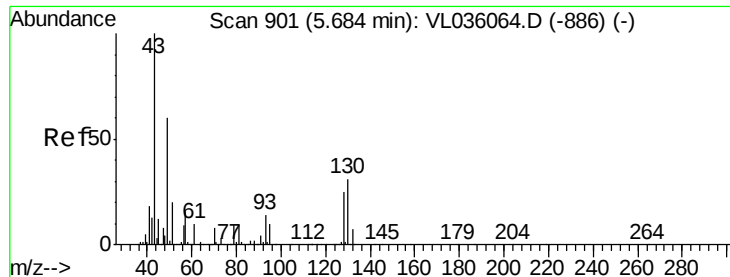
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL036111.D

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Instrument :

MSVOA_L

ClientSampleId :

SS-8BDL

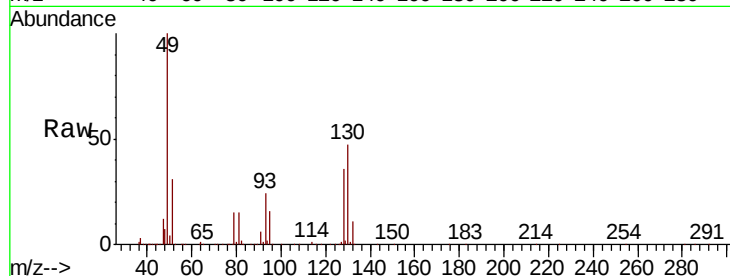
Tot Ion: 49 Resp: 1147112

Ion Ratio Lower Upper

49 100

128 37.6 21.1 63.1

130 48.7 27.1 81.3



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

600000

400000

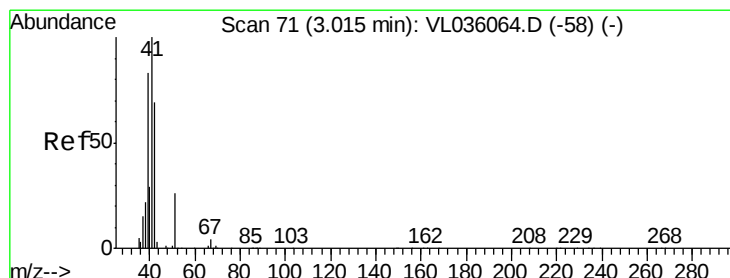
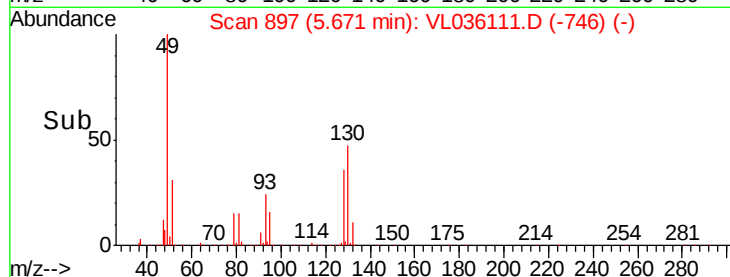
200000

0

5.60 5.65 5.70 5.75

5.67

Time-->



#9

Propene

Concen: 0.046 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.33 min

Lab File: VL036111.D

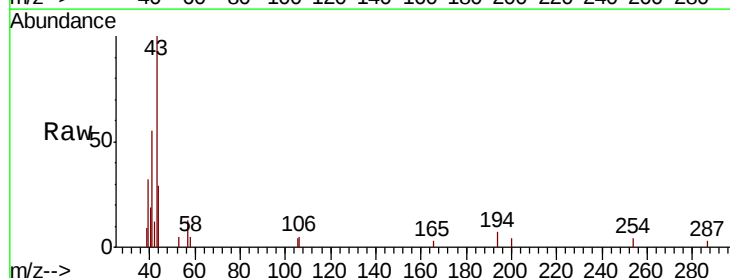
Acq: 9 Dec 2020 1:40

Tgt Ion: 41 Resp: 3047

Ion Ratio Lower Upper

41 100

42 59.7 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3000

2000

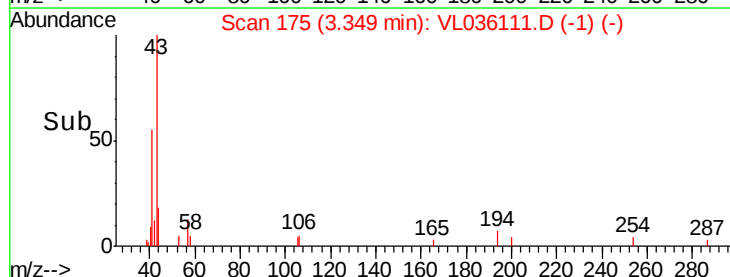
1000

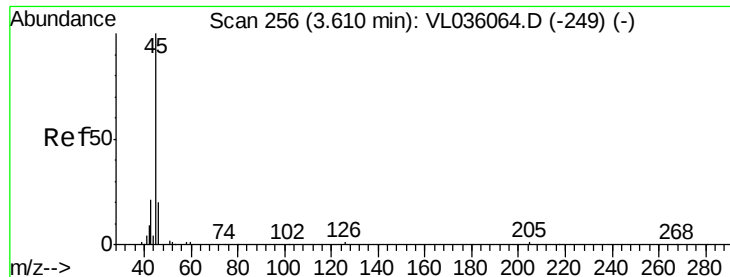
0

3.32 3.34 3.36 3.38

3.35

Time-->





#13

Ethanol

Concen: 0.229 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL036111.D

Acq: 9 Dec 2020 1:40

Instrument :

MSVOA_L

ClientSampleId :

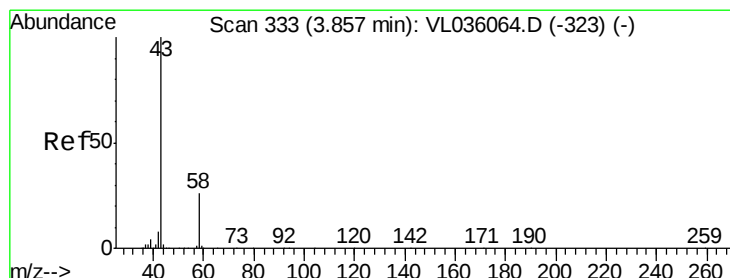
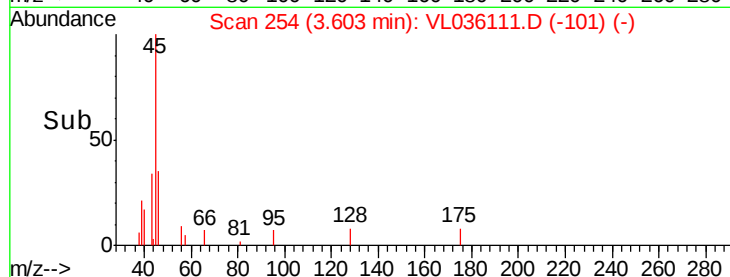
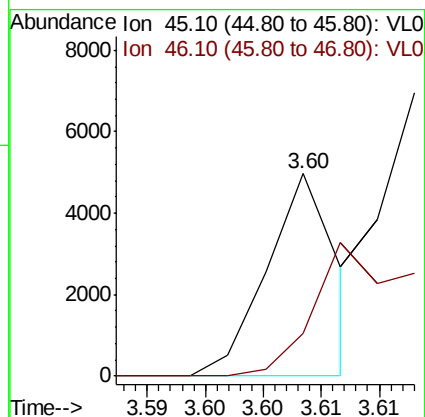
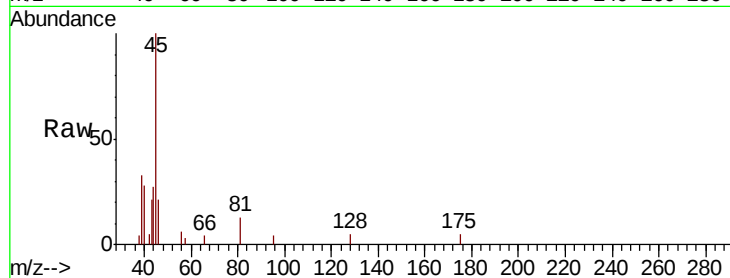
SS-8BDL

Tot Ion: 45 Resp: 2073

Ion Ratio Lower Upper

45 100

46 0.0 19.0 75.8#



#15

Acetone

Concen: 0.167 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL036111.D

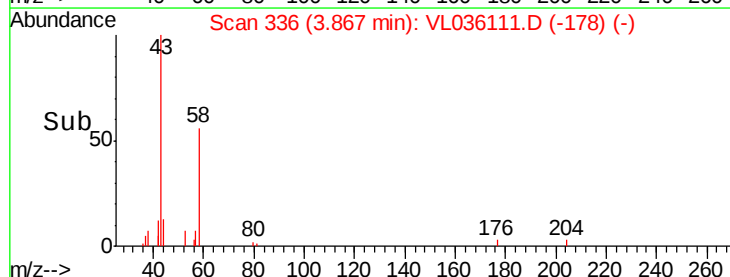
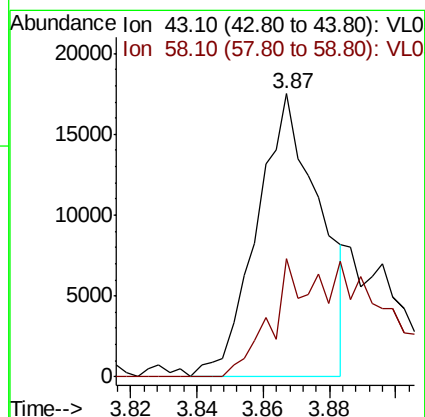
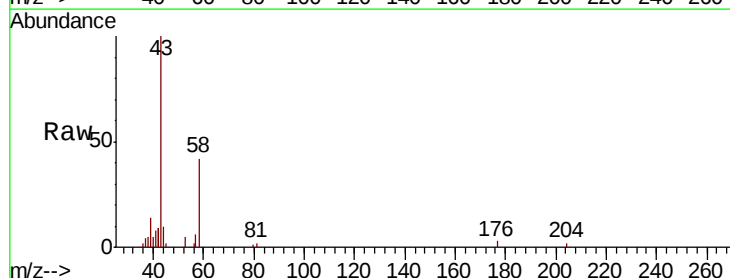
Acq: 9 Dec 2020 1:40

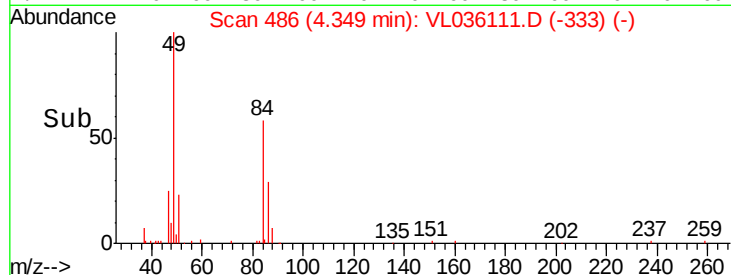
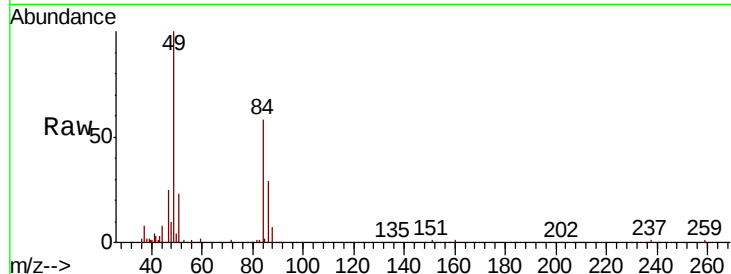
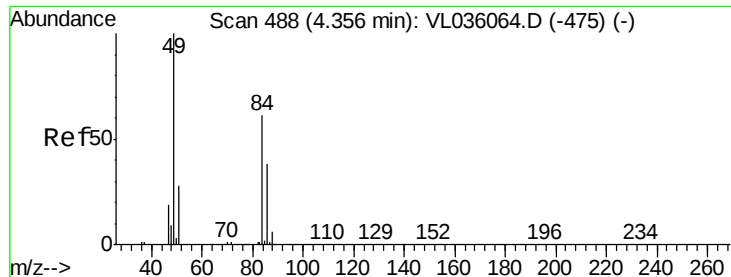
Tgt Ion: 43 Resp: 23021

Ion Ratio Lower Upper

43 100

58 76.2 20.9 31.3#

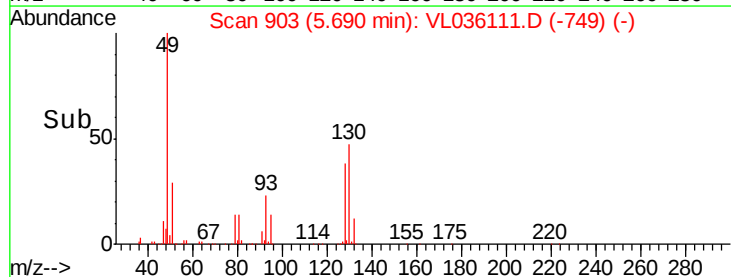
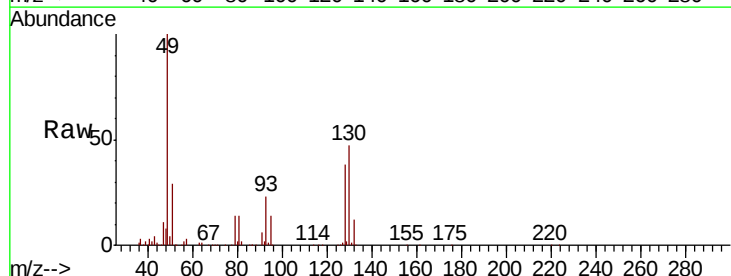
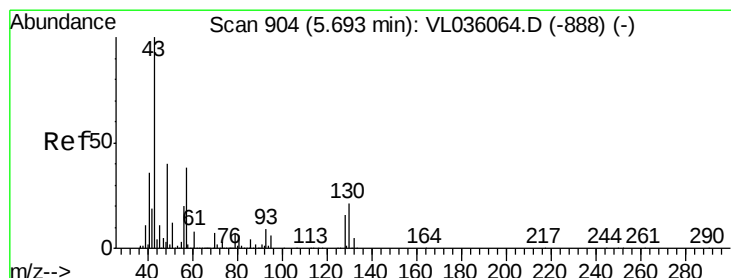
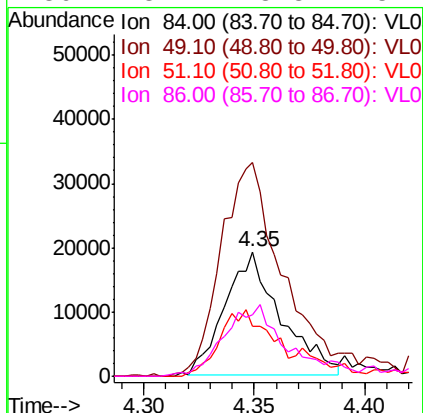




#20
Methvlene Chloride
Concen: 0.594 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL036111.D
Acq: 9 Dec 2020 1:40

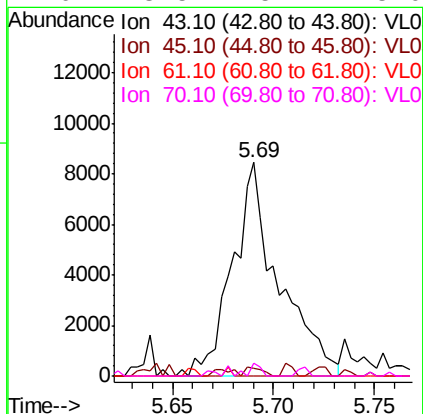
Instrument :
MSVOA_L
ClientSampled :
SS-8BDL

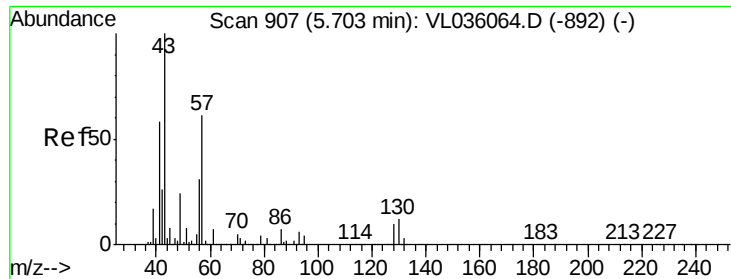
Tot Ion:	84	Resp:	33536
Ion	Ratio	Lower	Upper
84	100		
49	166.9	133.0	199.4
51	36.5	38.9	58.3#
86	48.7	48.8	73.2#



#25
Ethyl Acetate
Concen: 0.049 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL036111.D
Acq: 9 Dec 2020 1:40

Tgt Ion:	43	Resp:	13443
Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.2	12.4#
61	0.0	7.4	11.2#
70	3.5	5.4	8.0#

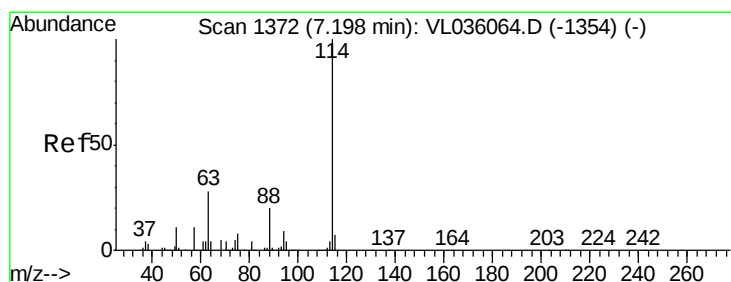
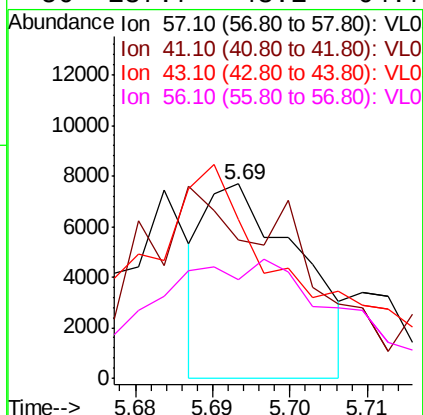
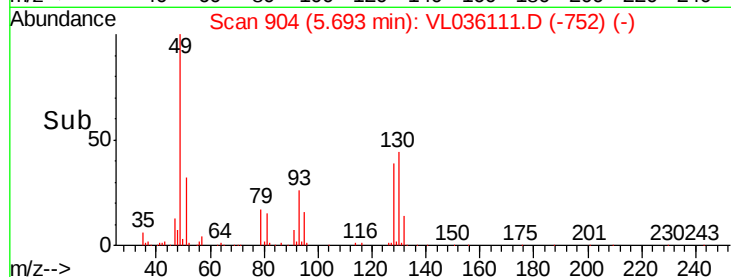
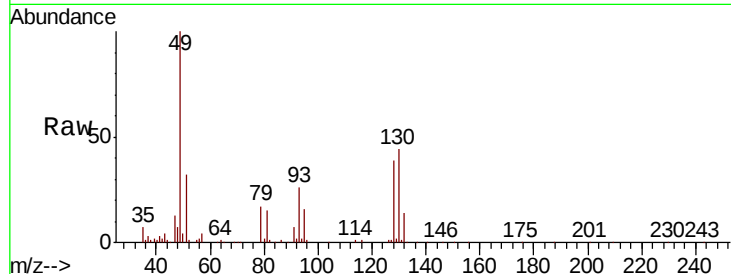




#26
Hexane
Concen: 0.052 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL036111.D
Acq: 9 Dec 2020 1:40

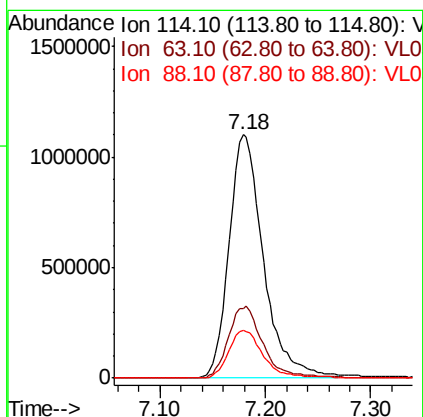
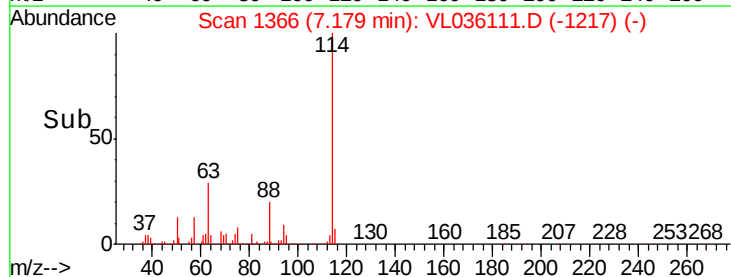
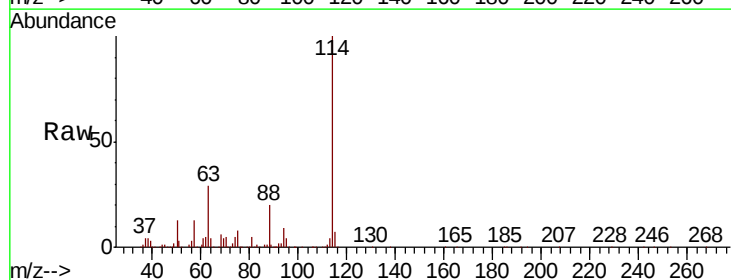
Instrument :
MSVOA_L
ClientSampleId :
SS-8BDL

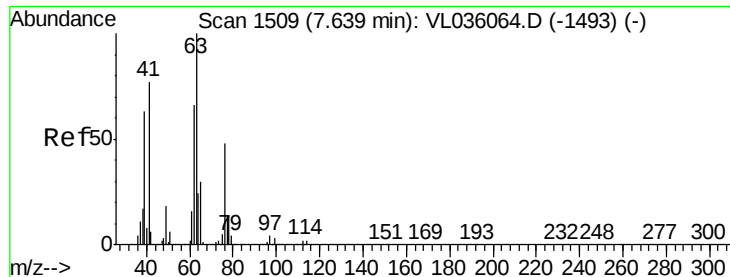
Tot Ion: 57 Resp: 6500
Ion Ratio Lower Upper
57 100
41 239.2 82.9 124.3#
43 236.1 199.9 299.9
56 137.7 43.1 64.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VL036111.D
Acq: 9 Dec 2020 1:40

Tgt Ion: 114 Resp: 2487726
Ion Ratio Lower Upper
114 100
63 30.0 23.6 35.4
88 20.1 15.8 23.6





#39

1,2-Dichloropropane

Concen: 0.135 ppbv

RT: 7.23 min Scan# 1383

Delta R.T. -0.41 min

Lab File: VL036111.D

Acq: 9 Dec 2020 1:40

Instrument :

MSVOA_L

ClientSampleId :

SS-8BDL

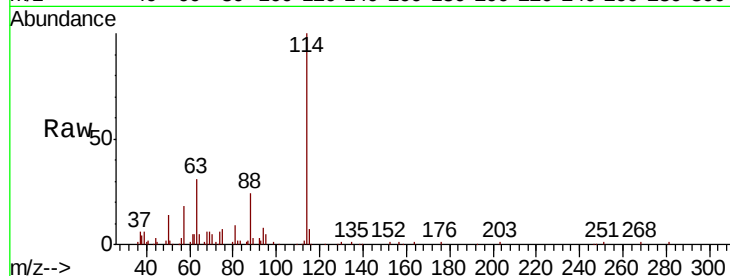
Tot Ion: 63 Resp: 11264

Ion Ratio Lower Upper

63 100

41 7.2 61.9 92.9#

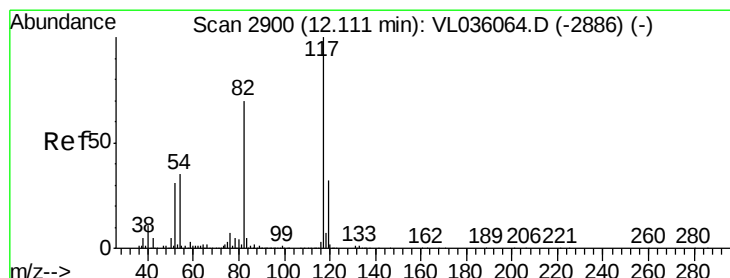
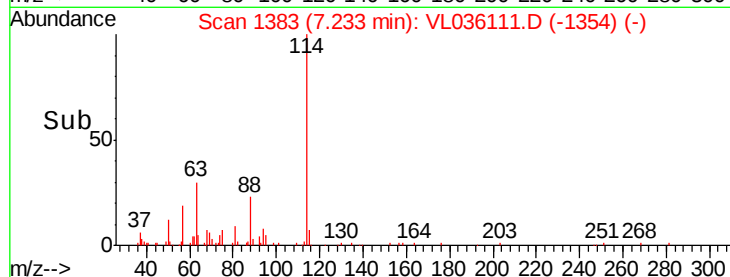
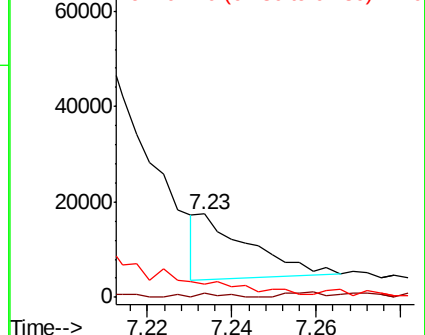
62 9.0 52.5 78.7#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL036111.D

Acq: 9 Dec 2020 1:40

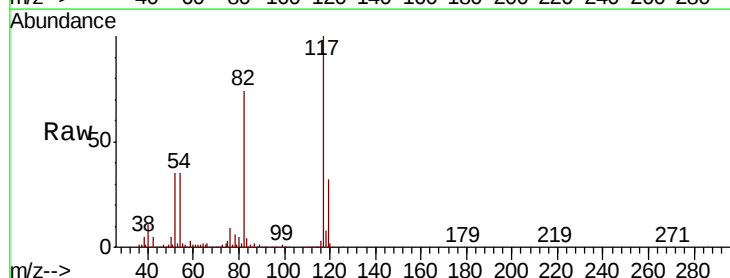
Tgt Ion: 117 Resp: 2205372

Ion Ratio Lower Upper

117 100

82 76.9 0.0 0.0#

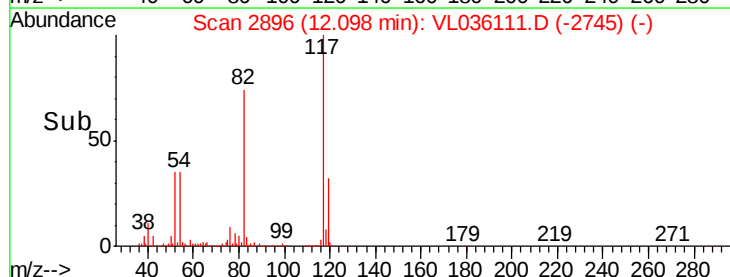
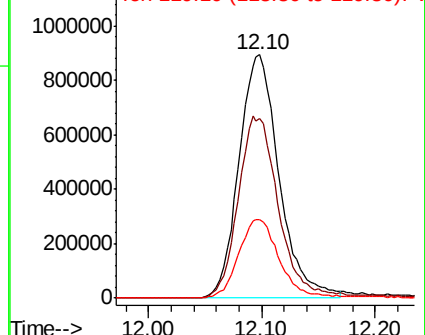
119 33.5 0.0 0.0#

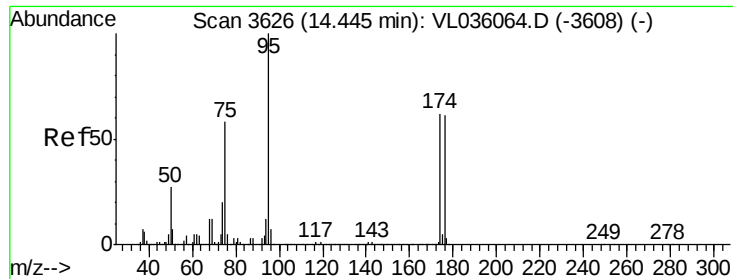


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.284 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.02 min

Lab File: VL036111.D

Acq: 9 Dec 2020 1:40

Instrument :

MSVOA_L

ClientSampleId :

SS-8BDL

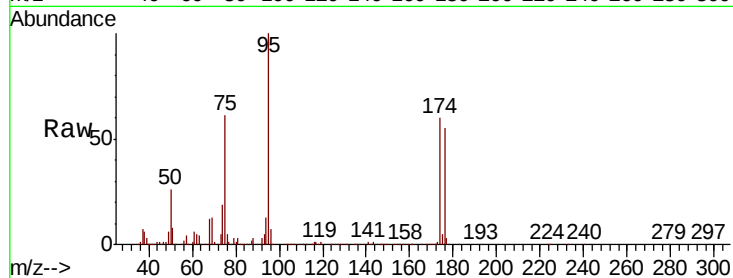
Tot Ion: 95 Resp: 1800925

Ion Ratio Lower Upper

95 100

174 60.6 50.7 76.1

175 4.6 4.0 6.0



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

