

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012821\
 Data File : VL036288.D
 Acq On : 29 Jan 2021 8:49
 Operator : SY/AP
 Sample : M1245-02DL2 80X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 30 00:07:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1523958	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3403977	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3100815	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2607669	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

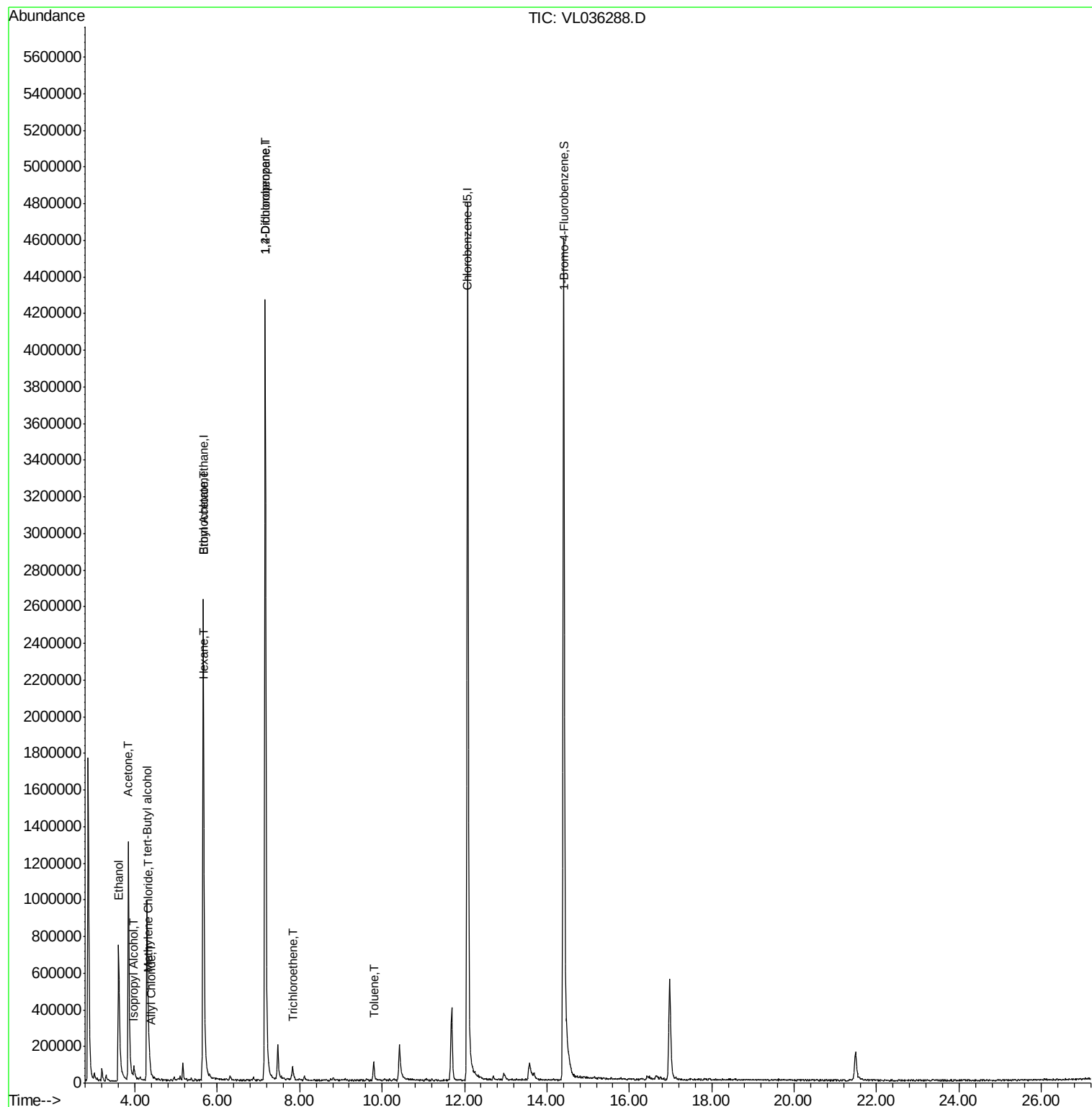
Target Compounds					Ovalue
13) Ethanol	3.60	45	979466	69.987	ppbv 87
15) Acetone	3.84	43	1681317	9.008	ppbv 99
17) tert-Butyl alcohol	4.29	59	1121567	7.282	ppbv 99
19) Isopropyl Alcohol	3.97	45	70091	0.623	ppbv # 1
20) Methylene Chloride	4.34	84	19551	0.328	ppbv # 74
21) Allyl Chloride	4.39	41	5728	0.056	ppbv # 18
25) Ethyl Acetate	5.66	43	14536	0.039	ppbv # 41
26) Hexane	5.68	57	23590	0.151	ppbv # 72
38) Trichloroethene	7.82	130	16867	0.146	ppbv # 69
39) 1,2-Dichloropropane	7.16	63	980208	7.740	ppbv # 22
53) Toluene	9.79	91	47060	0.135	ppbv # 20

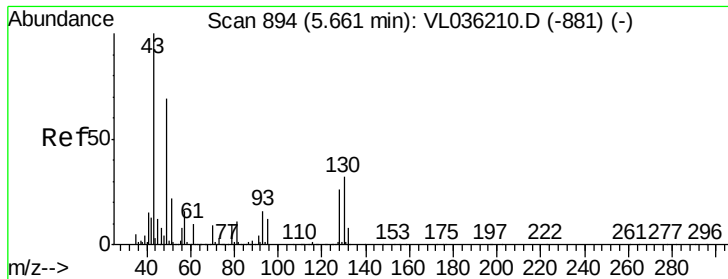
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012821\
Data File : VL036288.D
Acq On : 29 Jan 2021 8:49
Operator : SY/AP
Sample : M1245-02DL2 80X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 30 00:07:37 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL036288.D

Acq: 29 Jan 2021 8:49

Instrument :

MSVOA_L

ClientSampled :

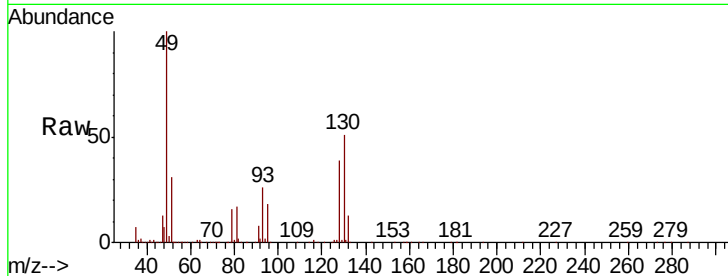
Tot Ion: 49 Resp: 1523958

Ion Ratio Lower Upper

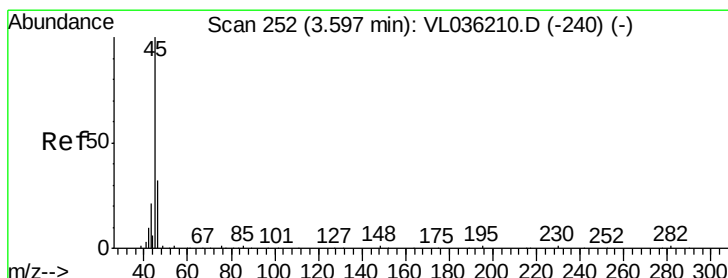
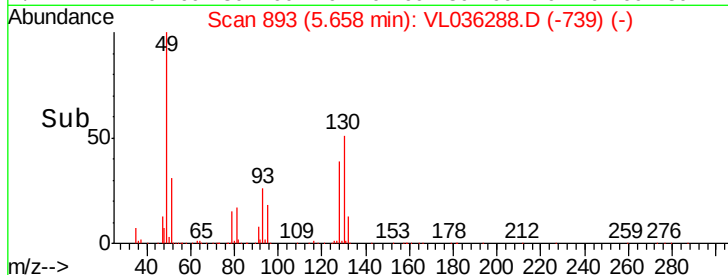
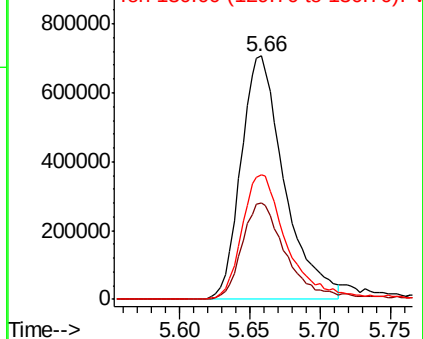
49 100

128 41.7 20.1 60.2

130 54.7 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



#13

Ethanol

Concen: 69.987 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL036288.D

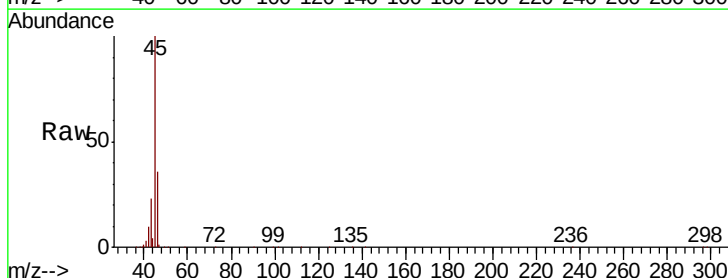
Acq: 29 Jan 2021 8:49

Tgt Ion: 45 Resp: 979466

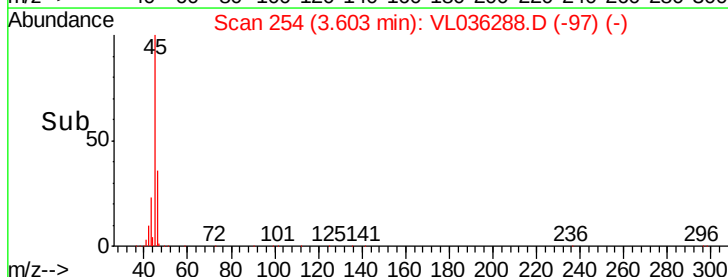
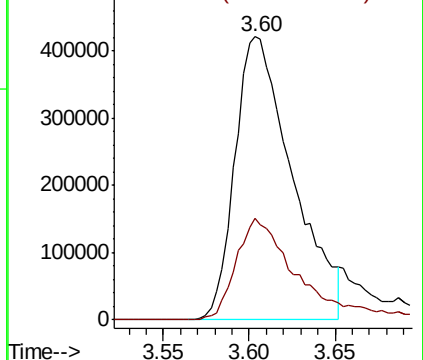
Ion Ratio Lower Upper

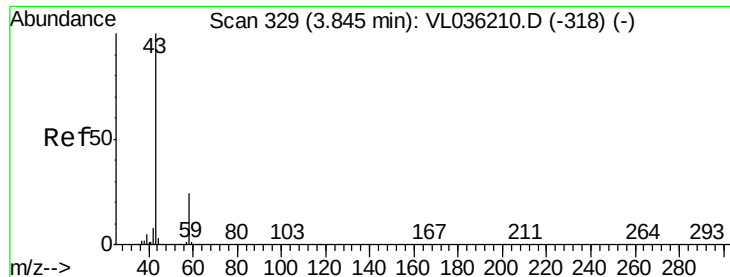
45 100

46 39.1 19.2 77.0



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0

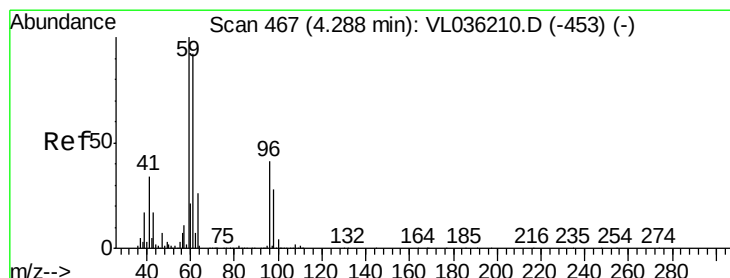
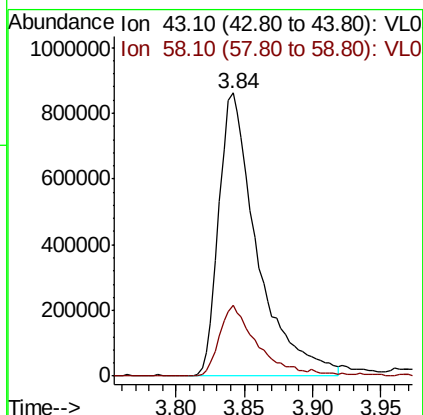
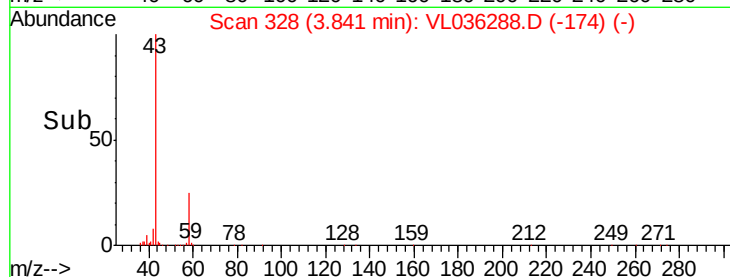
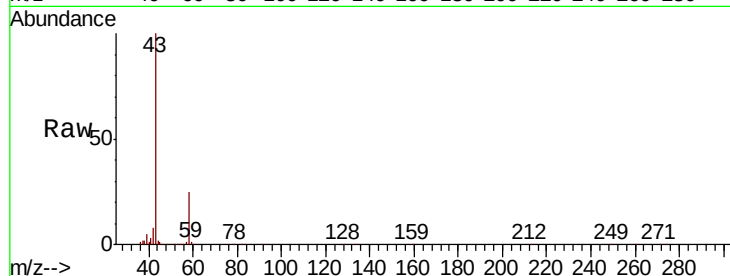




#15
Acetone
Concen: 9.008 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.00 min
Lab File: VL036288.D
Acq: 29 Jan 2021 8:49

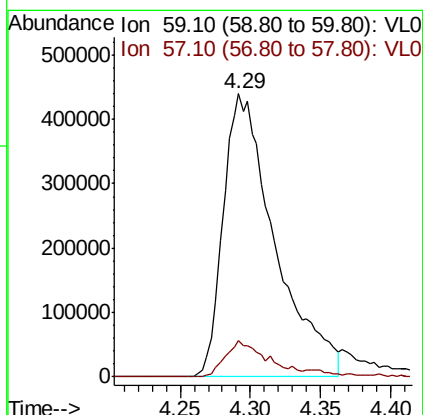
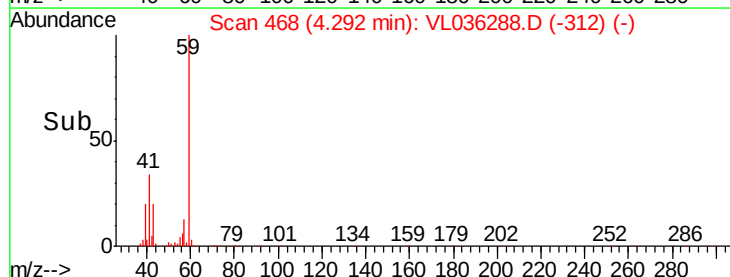
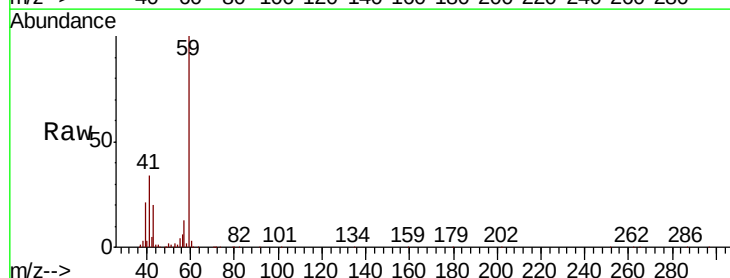
Instrument :
MSVOA_L
ClientSampleId :

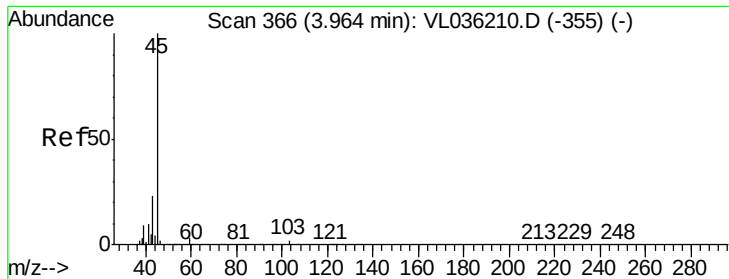
Tot Ion: 43 Resp: 1681317
Ion Ratio Lower Upper
43 100
58 25.7 20.9 31.3



#17
tert-Butyl alcohol
Concen: 7.282 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL036288.D
Acq: 29 Jan 2021 8:49

Tgt Ion: 59 Resp: 1121567
Ion Ratio Lower Upper
59 100
57 12.0 9.2 13.8





#19

Isopropyl Alcohol

Concen: 0.623 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL036288.D

Acq: 29 Jan 2021 8:49

Instrument :

MSVOA_L

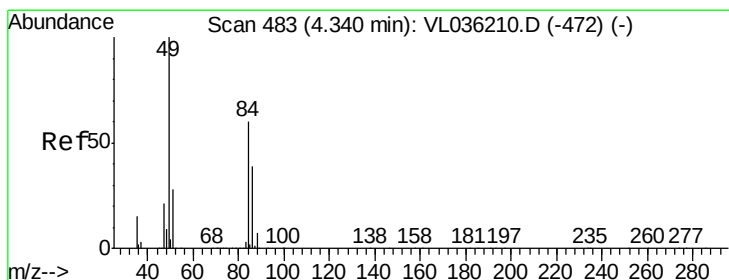
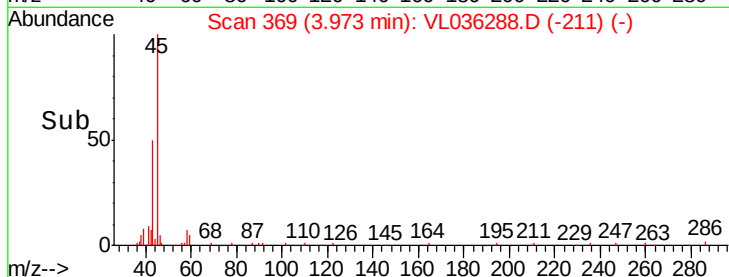
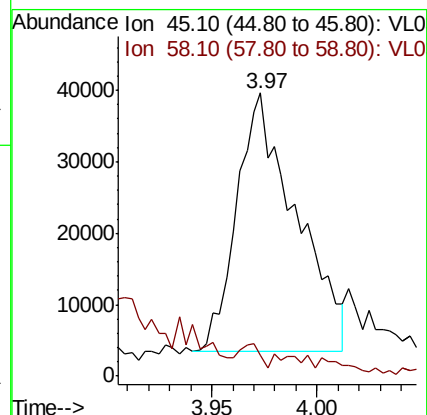
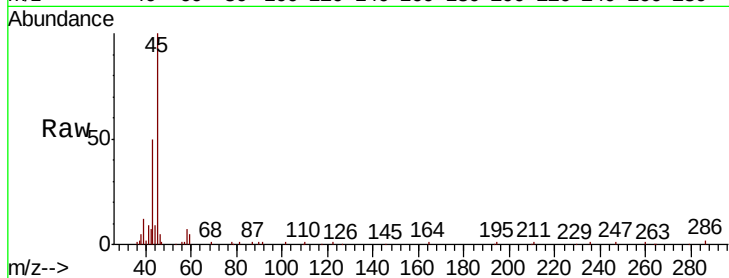
ClientSampleId :

Tot Ion: 45 Resp: 70091

Ion Ratio Lower Upper

45 100

58 629.2 1.9 2.9#



#20

Methylene Chloride

Concen: 0.328 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL036288.D

Acq: 29 Jan 2021 8:49

Tgt Ion: 84 Resp: 19551

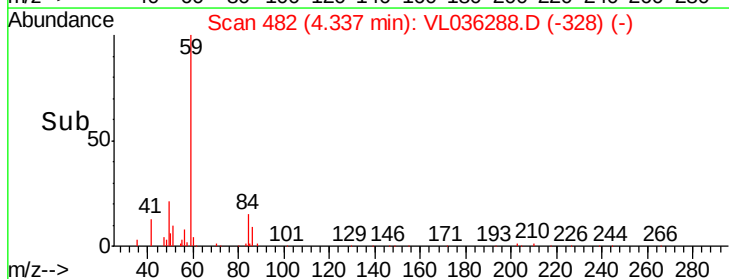
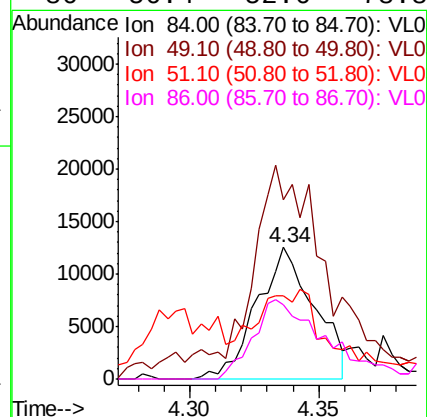
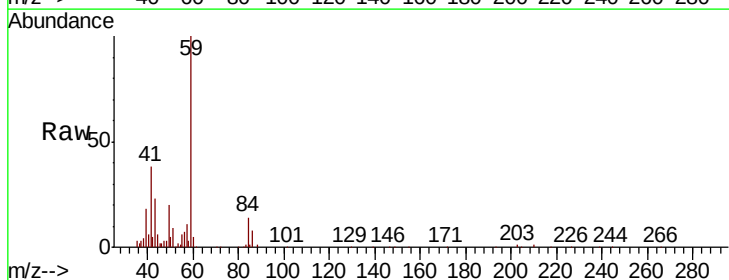
Ion Ratio Lower Upper

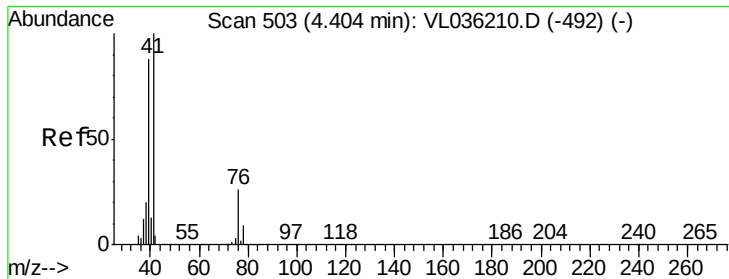
84 100

49 118.2 134.1 201.1#

51 40.9 37.4 56.0

86 56.4 52.6 78.8





#21

Allvl Chloride

Concen: 0.056 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.01 min

Lab File: VL036288.D

Acq: 29 Jan 2021 8:49

Instrument :
MSVOA_L
ClientSampleId :

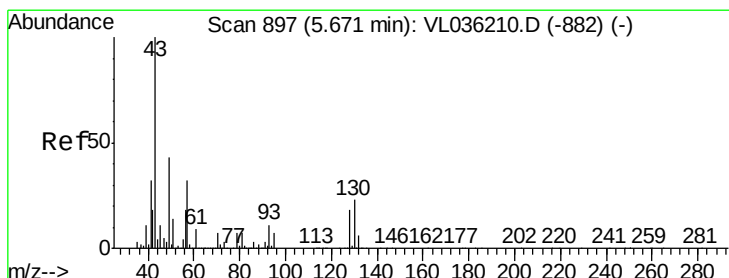
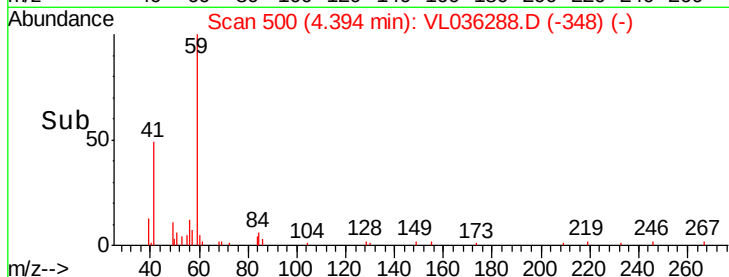
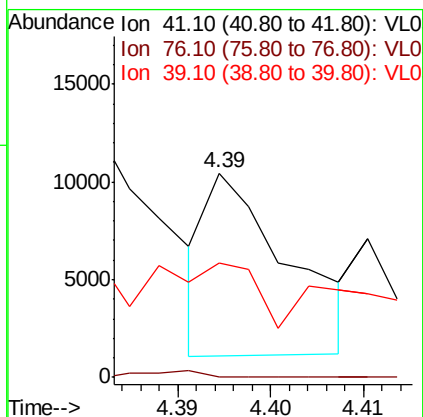
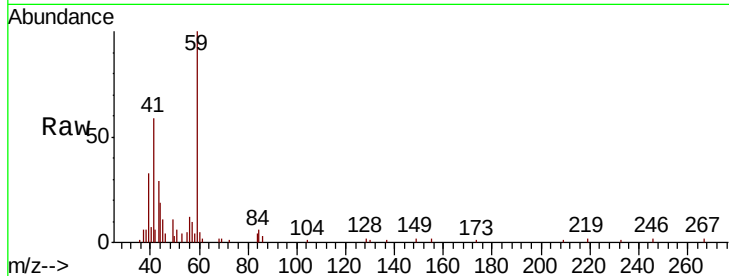
Tot Ion: 41 Resp: 5728

Ion Ratio Lower Upper

41 100

76 2.6 20.5 30.7#

39 0.0 67.8 101.8#



#25

Ethyl Acetate

Concen: 0.039 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036288.D

Acq: 29 Jan 2021 8:49

Tgt Ion: 43 Resp: 14536

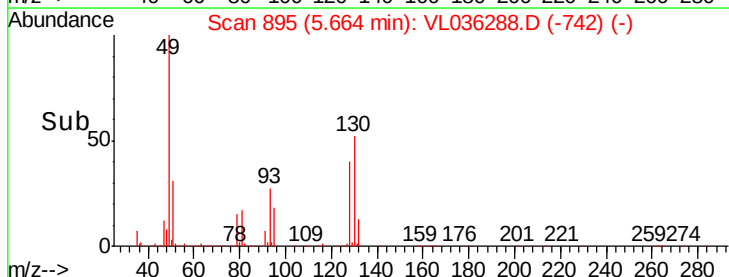
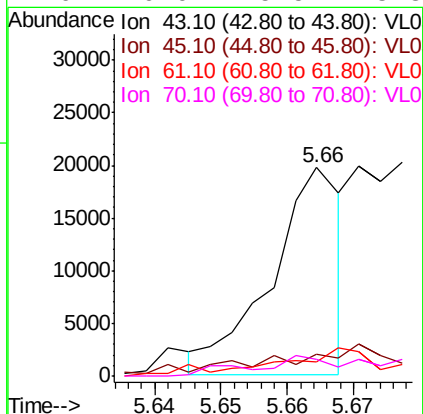
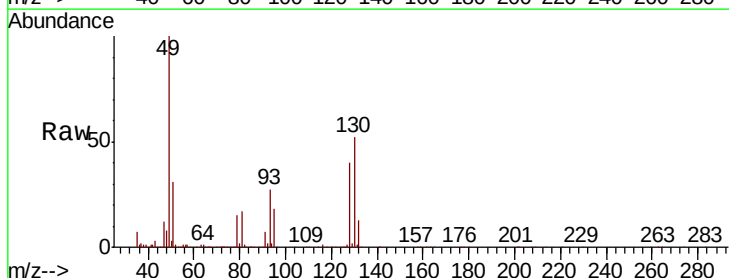
Ion Ratio Lower Upper

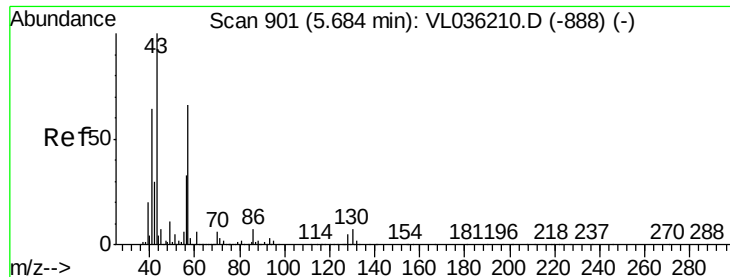
43 100

45 42.4 8.3 12.5#

61 30.3 7.4 11.2#

70 0.0 5.5 8.3#





#26

Hexane

Concen: 0.151 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL036288.D

Acq: 29 Jan 2021 8:49

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 23590

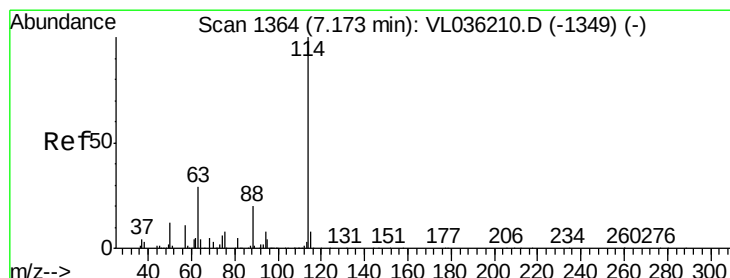
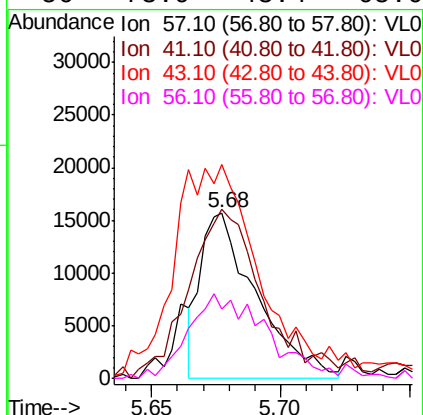
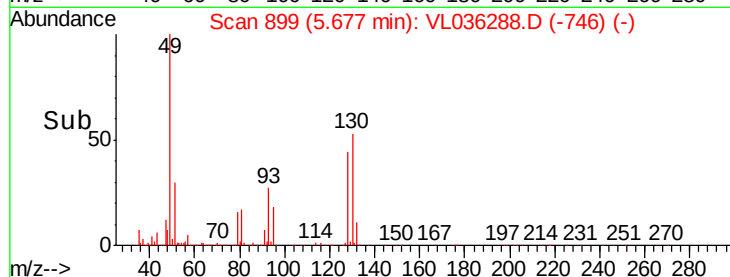
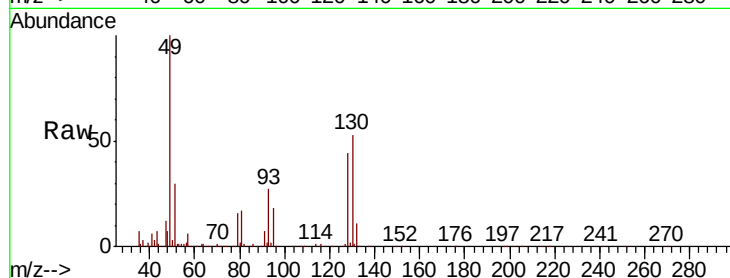
Ion Ratio Lower Upper

57 100

41 141.1 83.0 124.6#

43 208.4 202.4 303.6

56 73.9 43.4 65.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.01 min

Lab File: VL036288.D

Acq: 29 Jan 2021 8:49

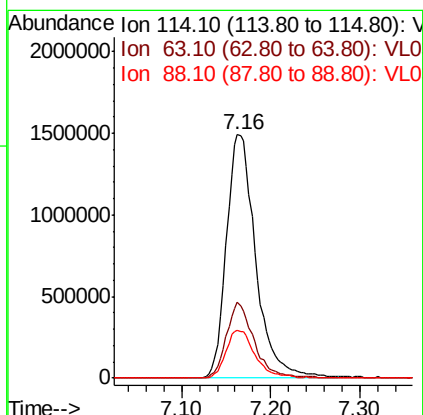
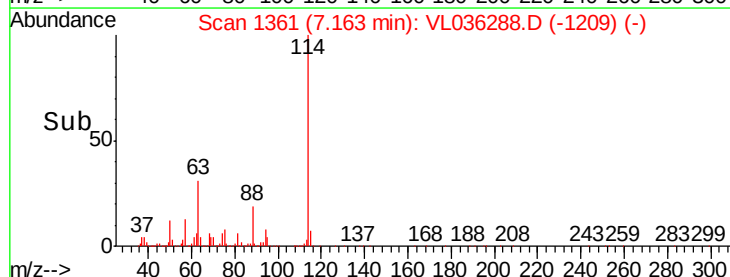
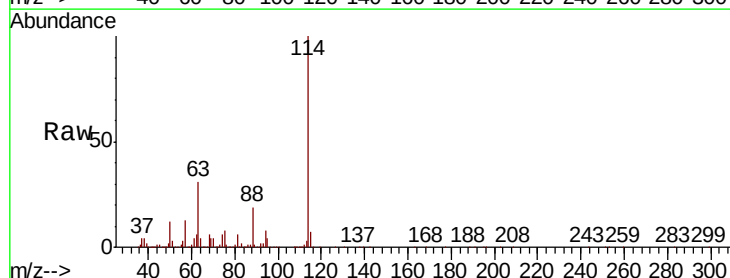
Tgt Ion: 114 Resp: 3403977

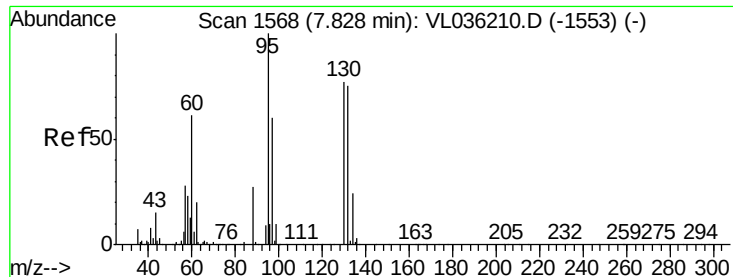
Ion Ratio Lower Upper

114 100

63 29.6 24.7 37.1

88 19.9 16.6 24.8

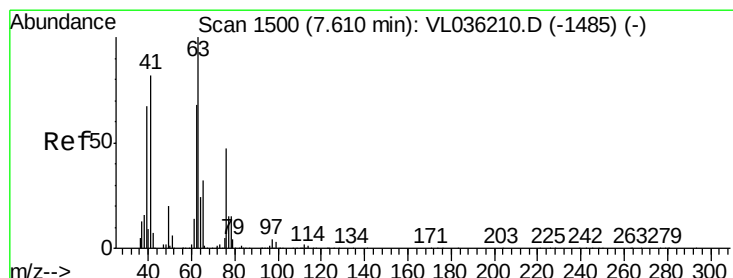
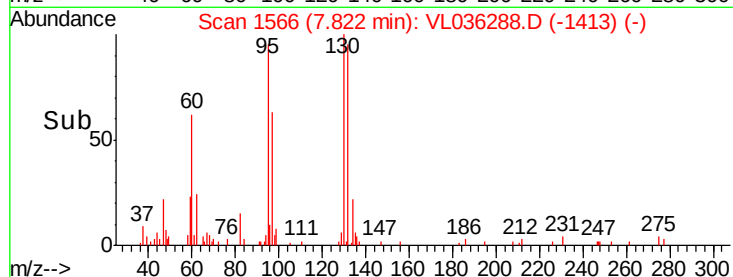
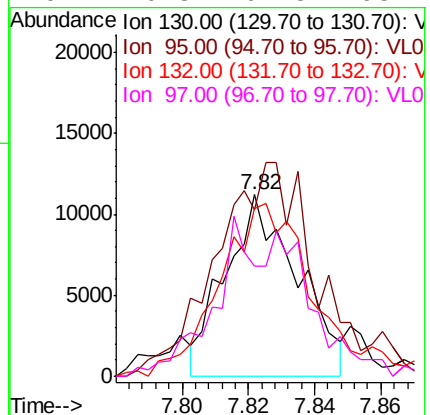
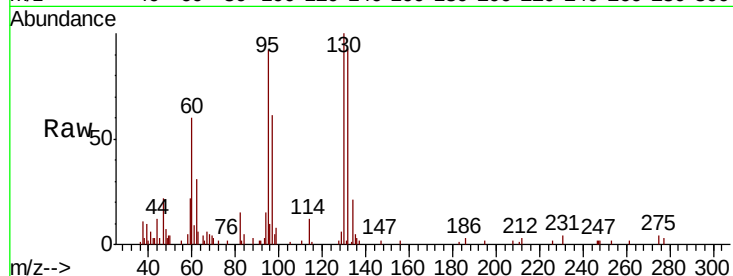




#38
 Trichloroethene
 Concen: 0.146 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL036288.D
 Acq: 29 Jan 2021 8:49

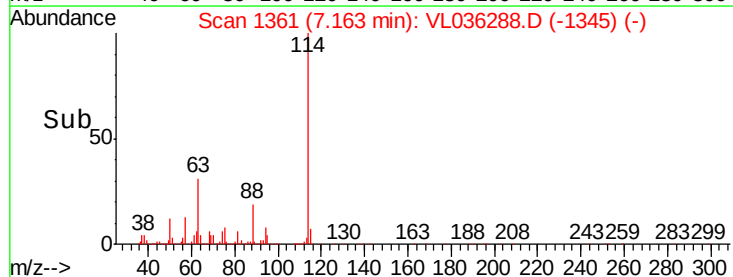
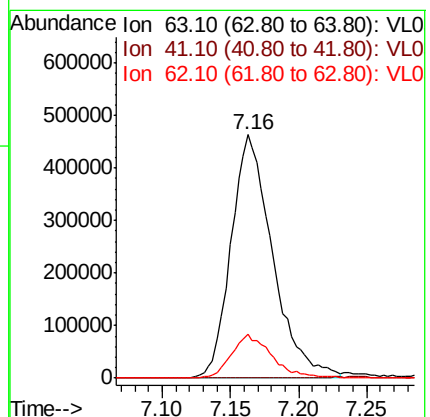
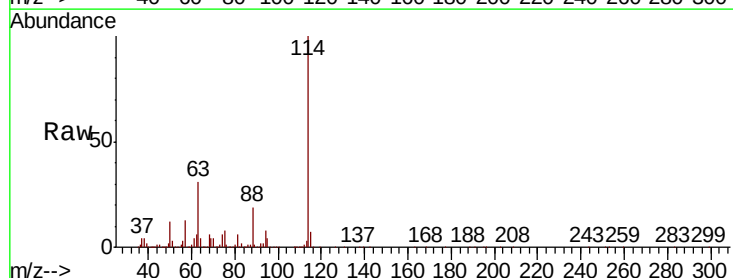
Instrument :
 MSVOA_L
 ClientSampleId :

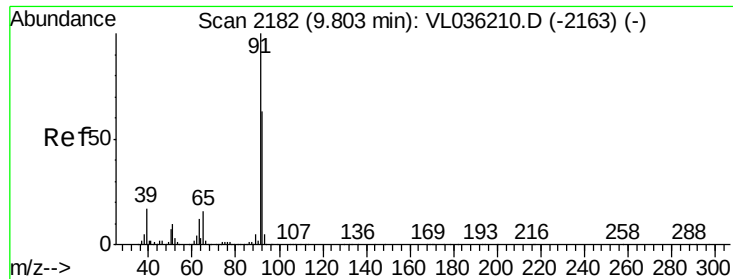
Tot Ion	Ratio	Lower	Upper
130	100		
95	75.3	103.9	155.9#
132	90.1	77.4	116.2
97	46.8	62.5	93.7#



#39
 1,2-Dichloropropane
 Concen: 7.740 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.45 min
 Lab File: VL036288.D
 Acq: 29 Jan 2021 8:49

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.1	66.1	99.1#
62	18.2	54.8	82.2#





#53

Toluene

Concen: 0.135 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL036288.D

Acq: 29 Jan 2021 8:49

Instrument :

MSVOA_L

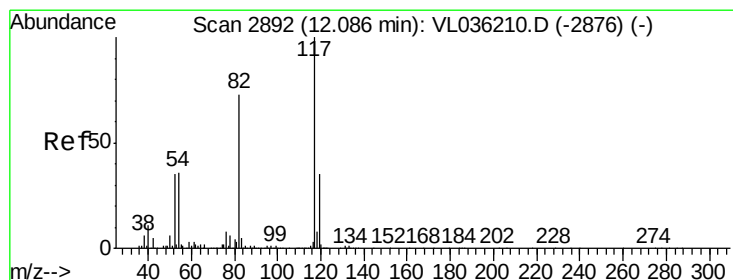
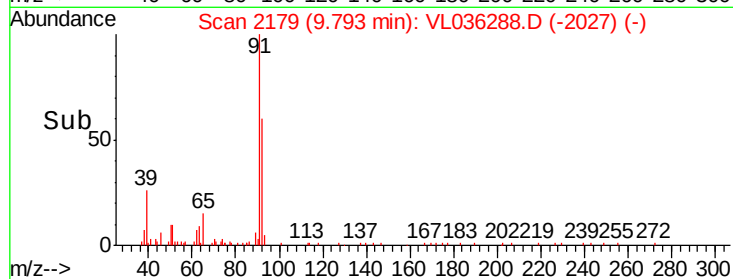
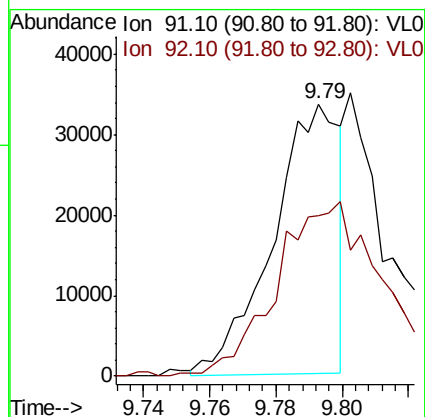
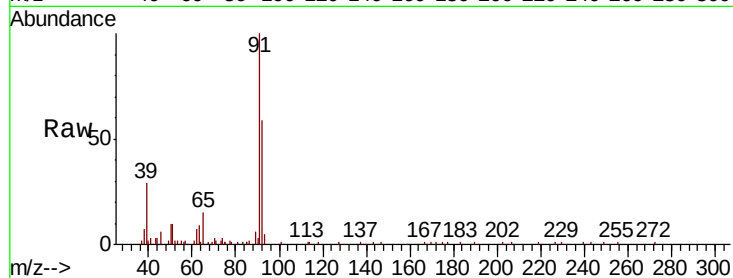
ClientSampleId :

Tot Ion: 91 Resp: 47060

Ion Ratio Lower Upper

91 100

92 0.0 48.5 72.7#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL036288.D

Acq: 29 Jan 2021 8:49

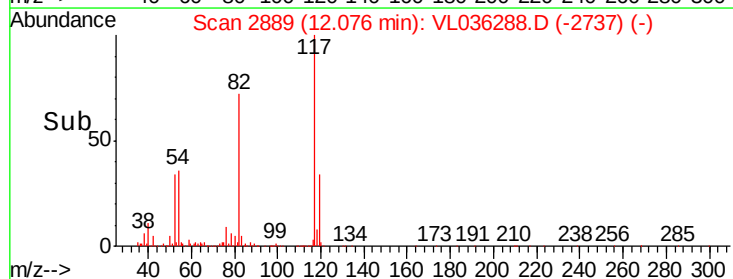
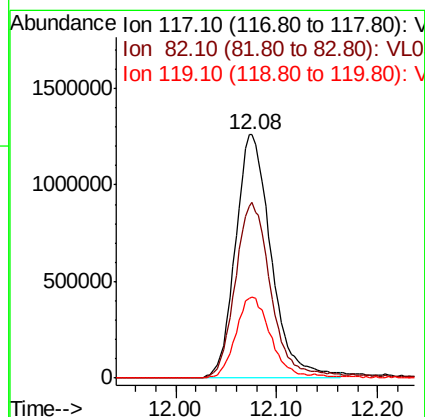
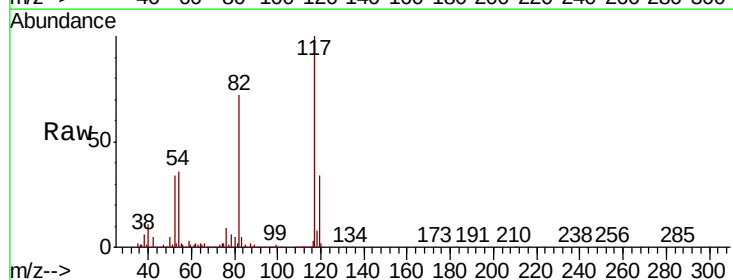
Tgt Ion: 117 Resp: 3100815

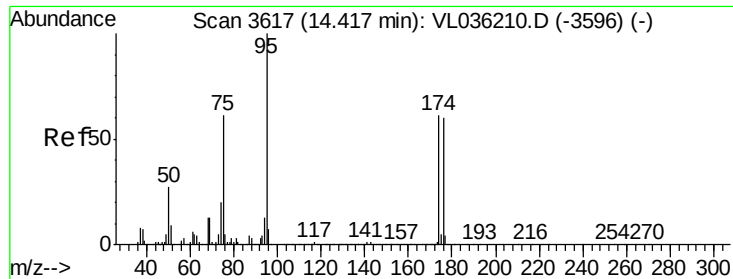
Ion Ratio Lower Upper

117 100

82 72.8 59.7 89.5

119 33.7 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.160 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036288.D

Acq: 29 Jan 2021 8:49

Instrument :

MSVOA_L

ClientSampleId :

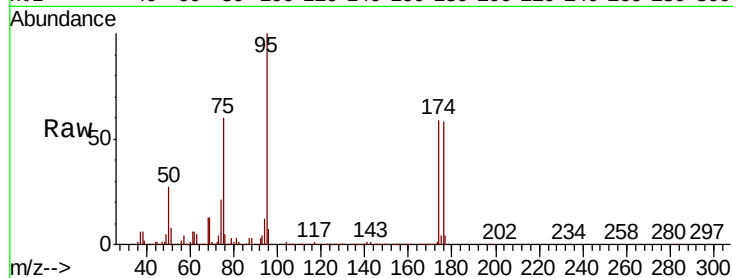
Tot Ion: 95 Resp: 2607669

Ion Ratio Lower Upper

95 100

174 62.9 49.4 74.0

175 4.4 3.8 5.8



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

