

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036224.D
 Acq On : 13 Jan 2021 13:52
 Operator : SY/AP
 Sample : M1066-05 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS1DL

Quant Time: Jan 13 22:07:06 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	1546320	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3198043	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2916823	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2479503	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

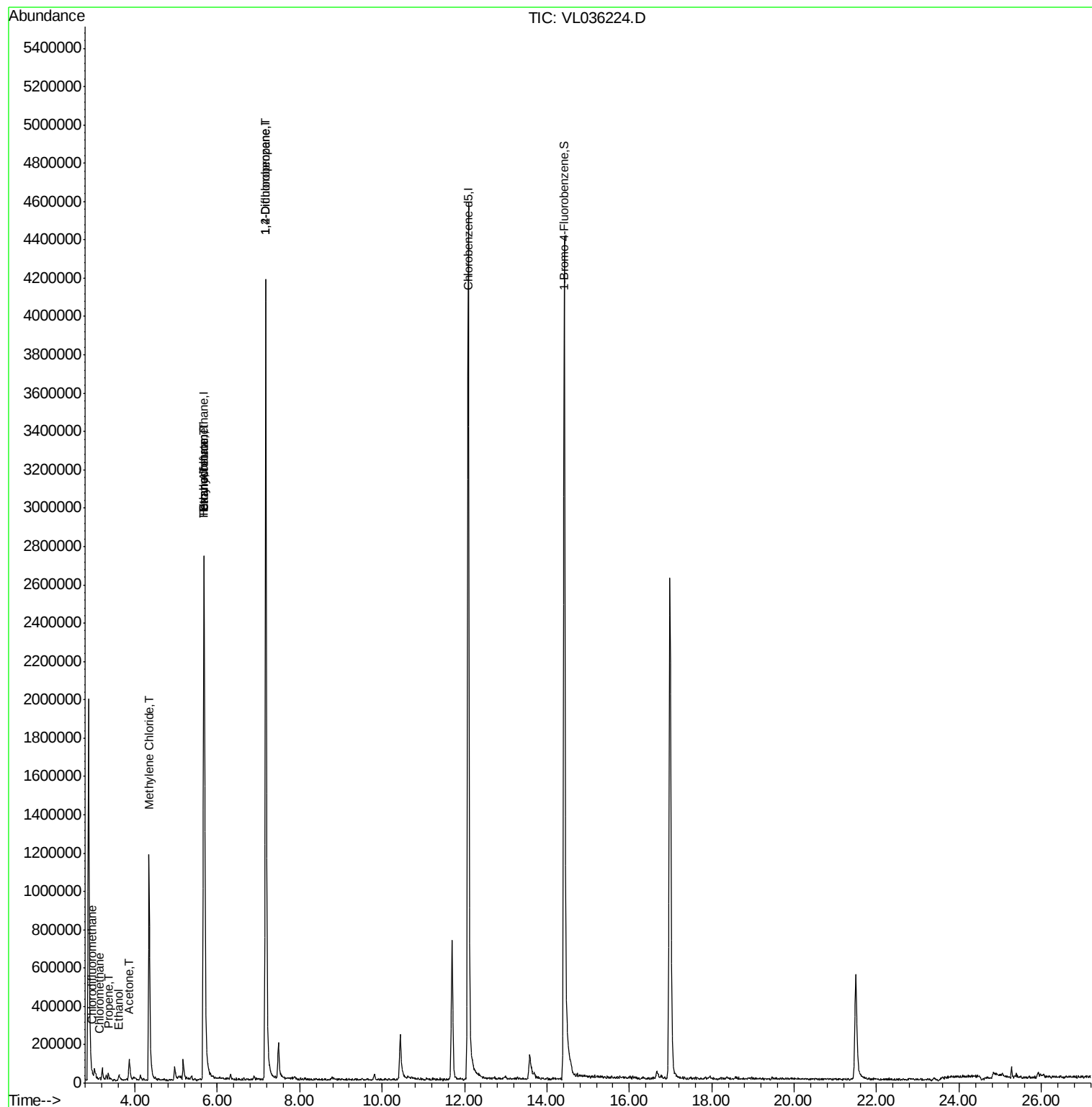
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	27813	0.145	ppbv #	70
4) Chloromethane	3.14	50	6024	0.064	ppbv #	71
9) Propene	3.35	41	7469	0.082	ppbv	94
13) Ethanol	3.61	45	21149	1.102	ppbv #	29
15) Acetone	3.86	43	137416	0.748	ppbv #	80
20) Methylene Chloride	4.34	84	437586	7.781	ppbv	95
25) Ethyl Acetate	5.68	43	385723	1.031	ppbv #	78
26) Hexane	5.69	57	504472	3.226	ppbv #	38
39) 1,2-Dichloropropane	7.18	63	987664	8.301	ppbv #	21
41) Tetrahydrofuran	5.69	42	209725	1.750	ppbv #	50

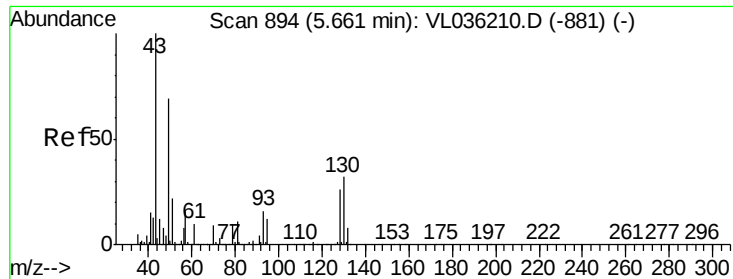
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 13 22:07:06 2021
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL036224.D

Acq: 13 Jan 2021 13:52

Instrument :

MSVOA_L

ClientSampleId :

0121-SS1DL

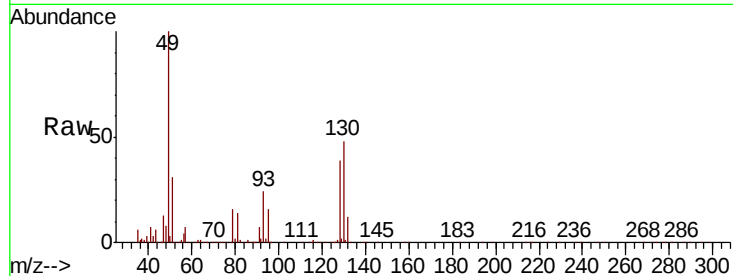
Tot Ion: 49 Resp: 1546320

Ion Ratio Lower Upper

49 100

128 40.2 20.1 60.2

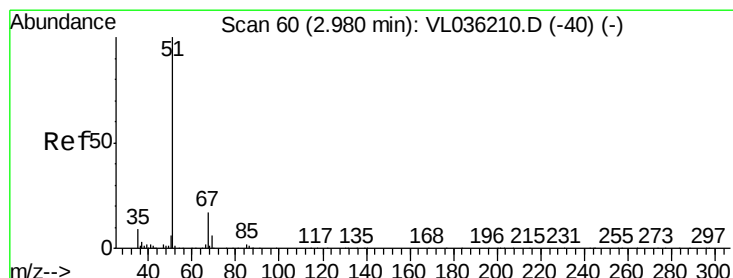
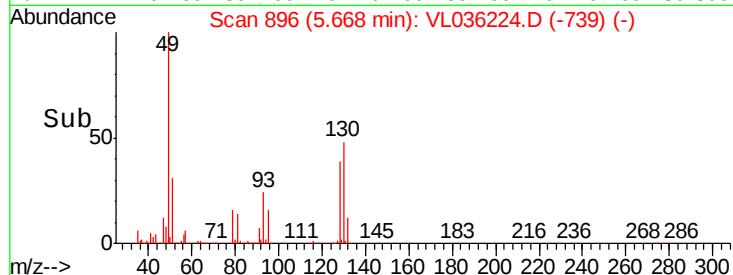
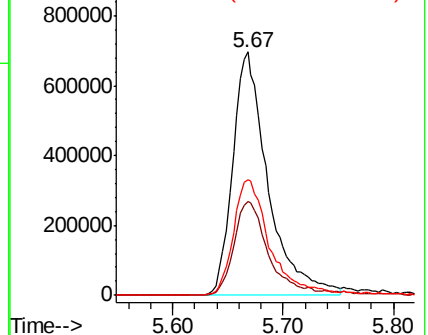
130 50.6 25.3 75.9



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: 0.145 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL036224.D

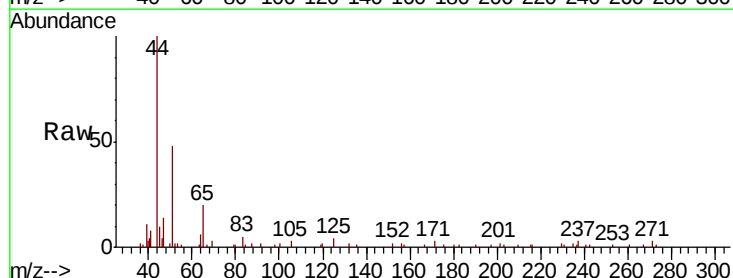
Acq: 13 Jan 2021 13:52

Tgt Ion: 51 Resp: 27813

Ion Ratio Lower Upper

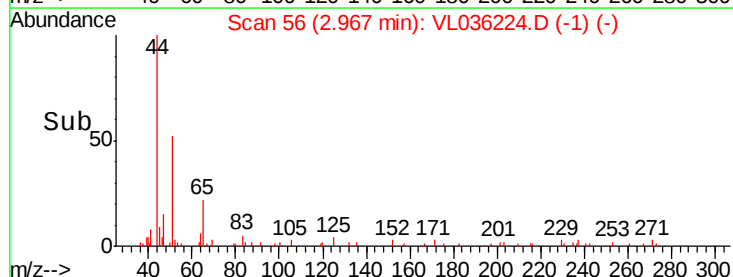
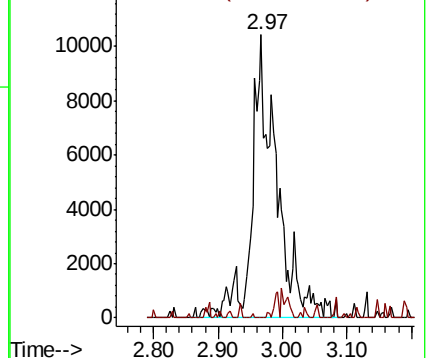
51 100

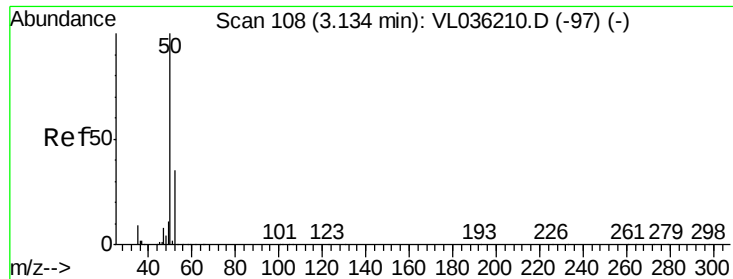
67 4.4 14.0 21.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.064 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL036224.D

Acq: 13 Jan 2021 13:52

Instrument :

MSVOA_L

ClientSampleId :

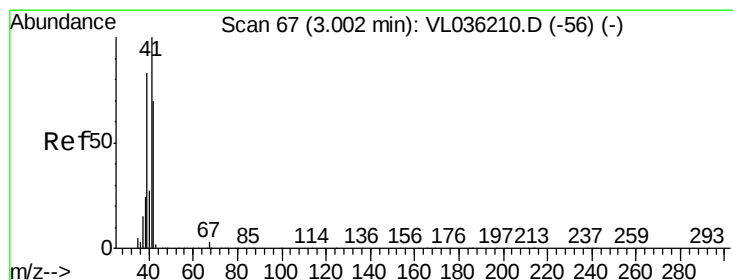
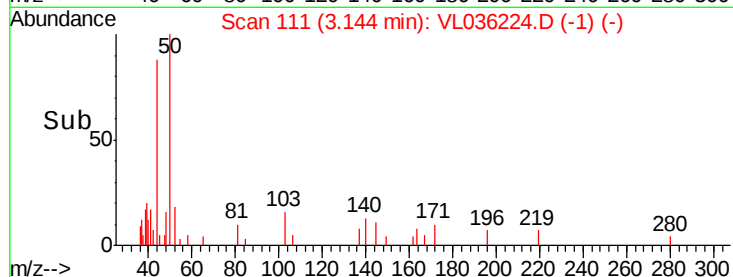
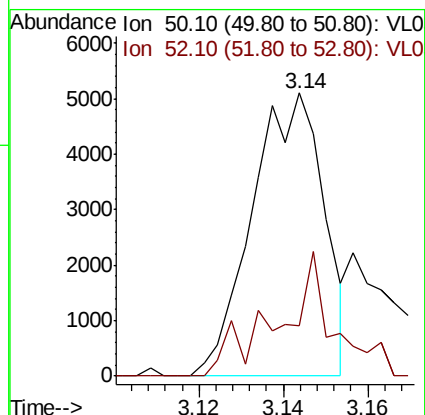
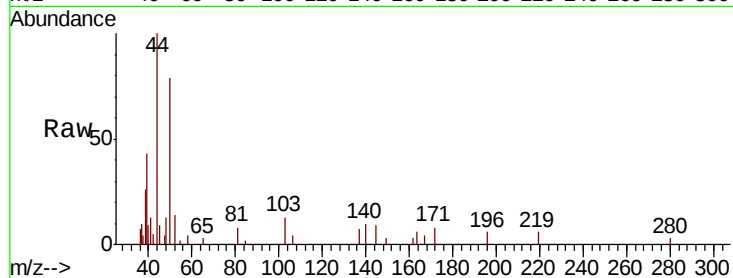
0121-SS1DL

Tot Ion: 50 Resp: 6024

Ion Ratio Lower Upper

50 100

52 17.9 27.8 41.8#



#9

Propene

Concen: 0.082 ppbv

RT: 3.35 min Scan# 176

Delta R.T. 0.35 min

Lab File: VL036224.D

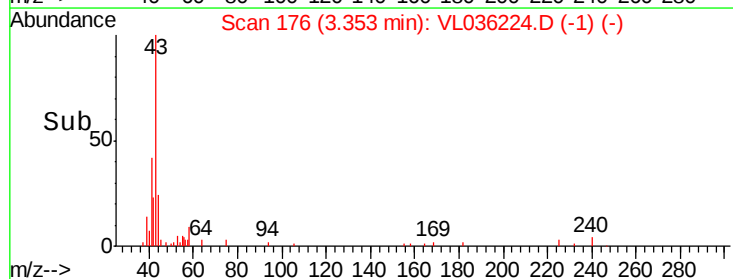
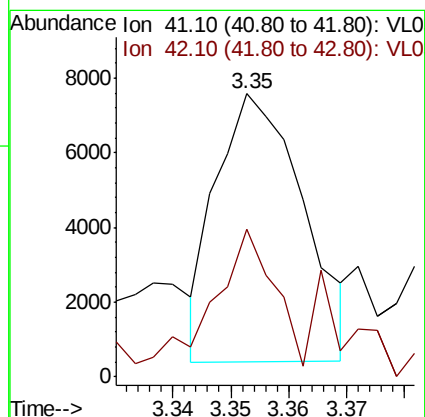
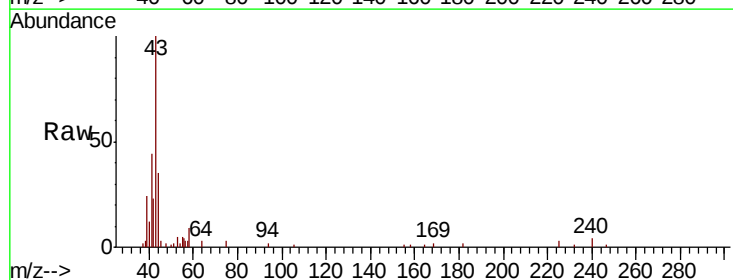
Acq: 13 Jan 2021 13:52

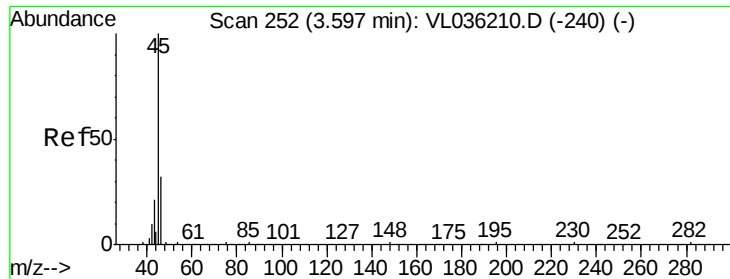
Tgt Ion: 41 Resp: 7469

Ion Ratio Lower Upper

41 100

42 76.5 57.1 85.7





#13

Ethanol

Concen: 1.102 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL036224.D

Acq: 13 Jan 2021 13:52

Instrument :

MSVOA_L

ClientSampleId :

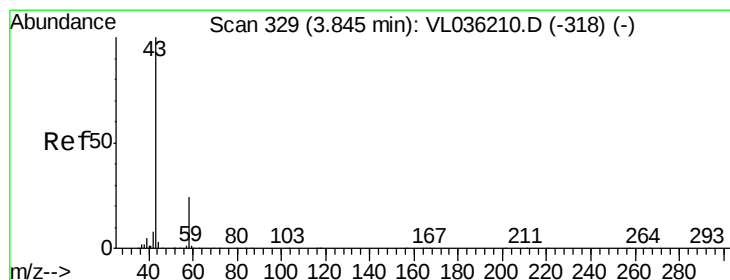
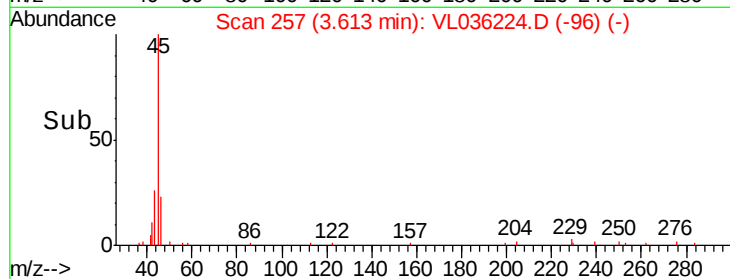
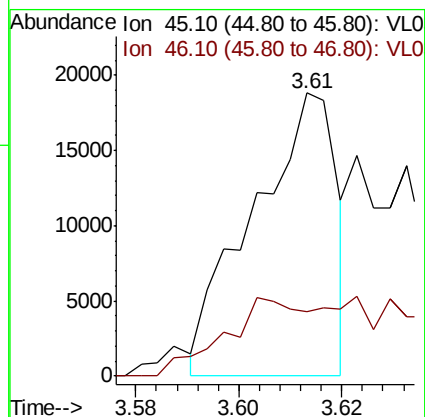
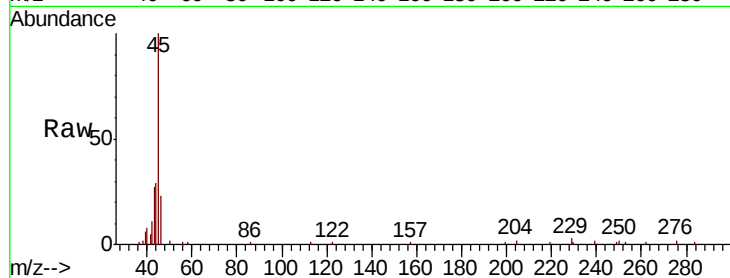
0121-SS1DL

Tot Ion: 45 Resp: 21149

Ion Ratio Lower Upper

45 100

46 0.0 19.2 77.0#



#15

Acetone

Concen: 0.748 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL036224.D

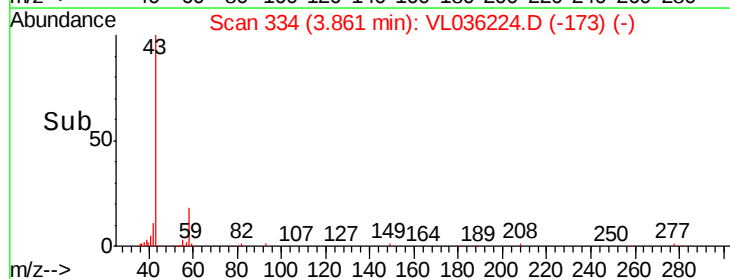
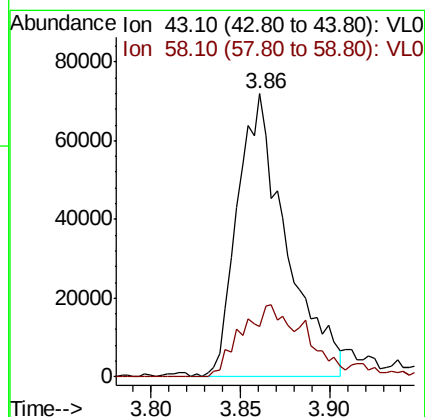
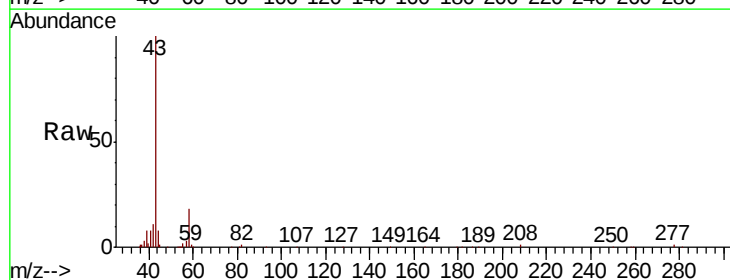
Acq: 13 Jan 2021 13:52

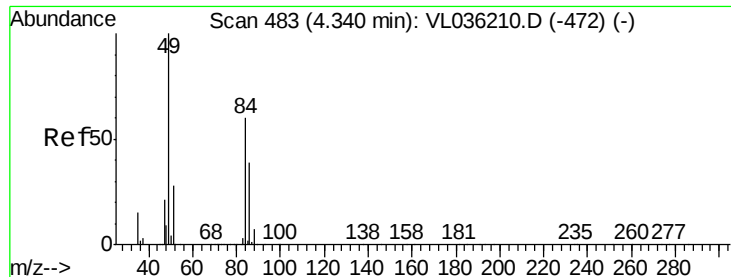
Tgt Ion: 43 Resp: 137416

Ion Ratio Lower Upper

43 100

58 36.6 20.9 31.3#

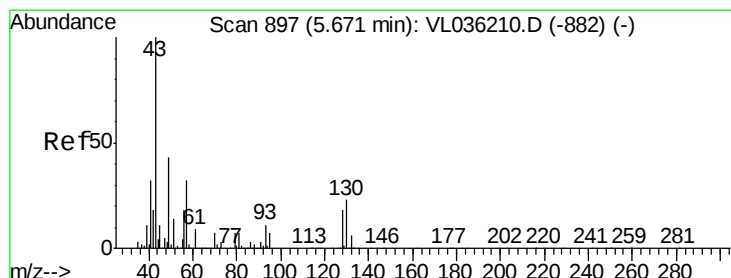
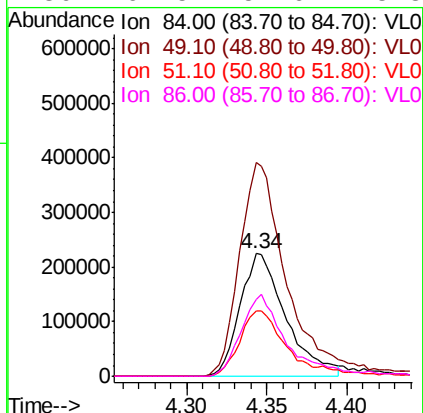
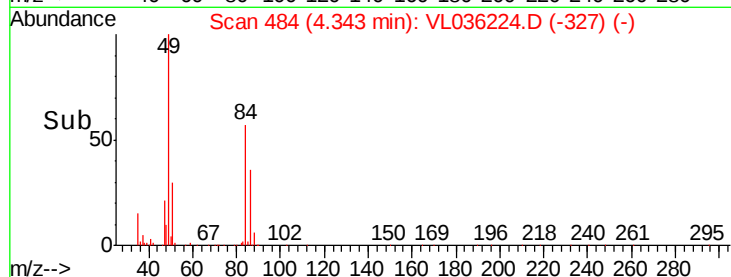
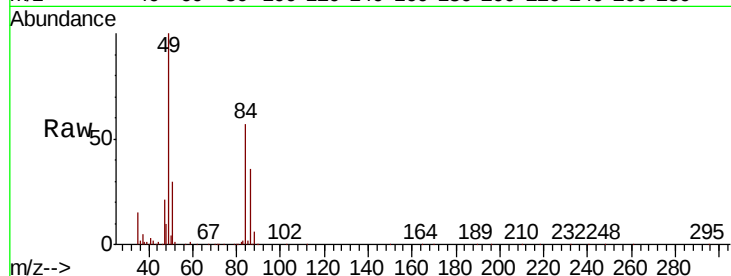




#20
Methylene Chloride
Concen: 7.781 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL036224.D
Acq: 13 Jan 2021 13:52

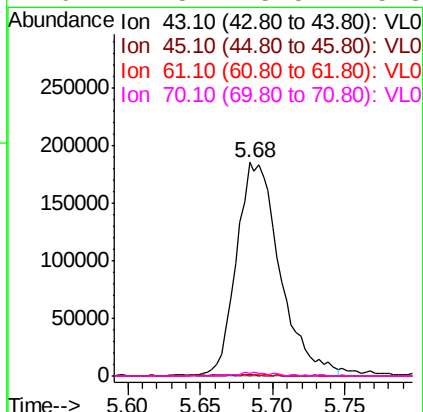
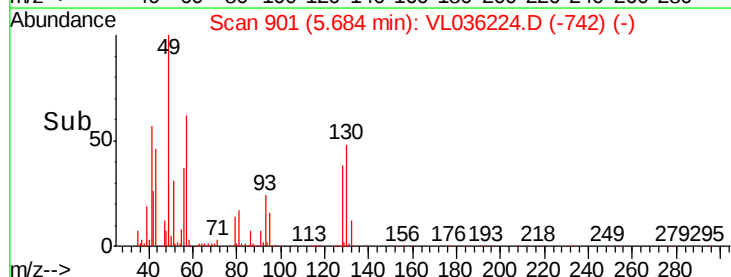
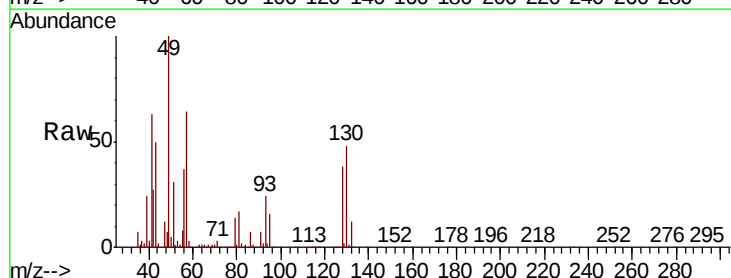
Instrument :
MSVOA_L
ClientSampleId :
0121-SS1DL

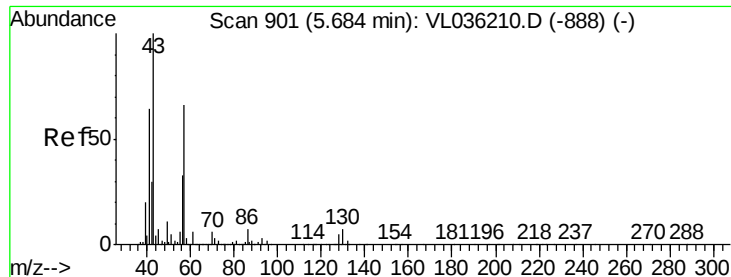
Tot Ion: 84 Resp: 437586
Ion Ratio Lower Upper
84 100
49 173.9 134.1 201.1
51 52.9 37.4 56.0
86 62.5 52.6 78.8



#25
Ethyl Acetate
Concen: 1.031 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL036224.D
Acq: 13 Jan 2021 13:52

Tgt Ion: 43 Resp: 385723
Ion Ratio Lower Upper
43 100
45 0.8 8.3 12.5#
61 0.5 7.4 11.2#
70 1.8 5.5 8.3#





#26

Hexane

Concen: 3.226 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL036224.D

Acq: 13 Jan 2021 13:52

Instrument :

MSVOA_L

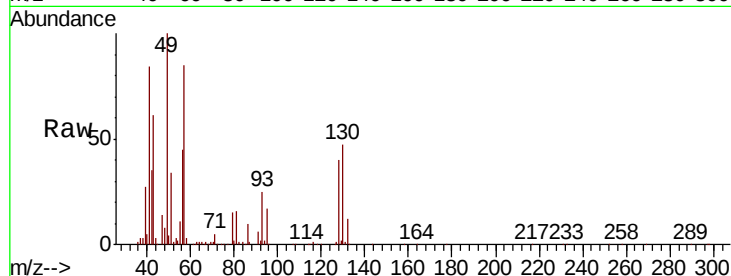
ClientSampleId :

0121-SS1DL

Tot Ion: 57 Resp: 504472

Ion Ratio Lower Upper

57	100		
41	102.5	83.0	124.6
43	79.0	202.4	303.6#
56	57.2	43.4	65.0



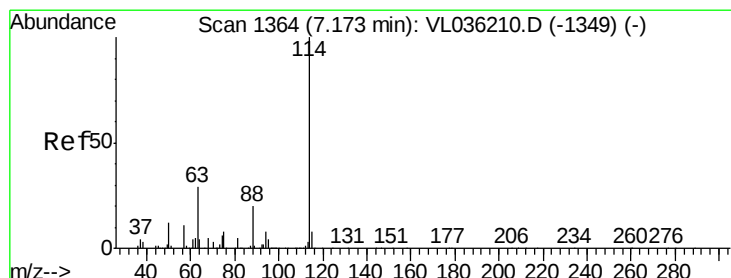
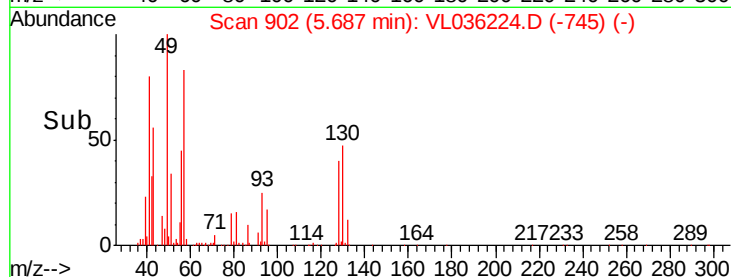
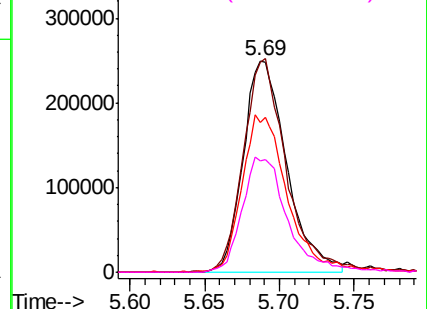
Abundance

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.00 min

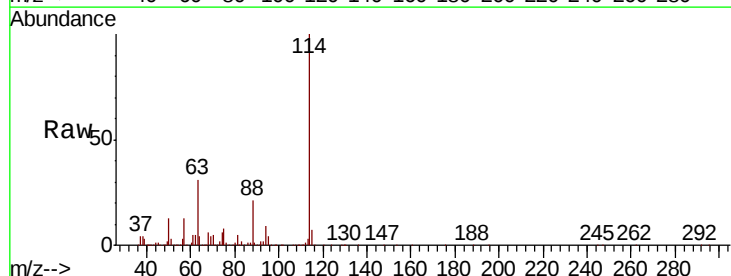
Lab File: VL036224.D

Acq: 13 Jan 2021 13:52

Tgt Ion: 114 Resp: 3198043

Ion Ratio Lower Upper

114	100		
63	31.6	24.7	37.1
88	21.0	16.6	24.8

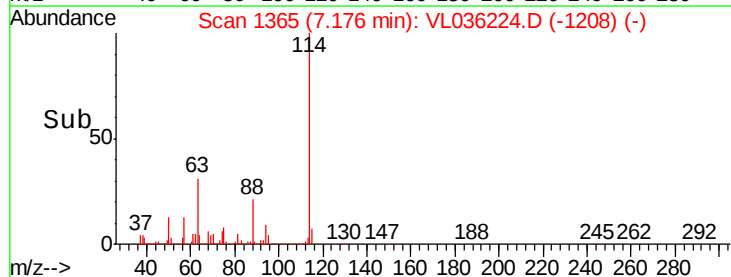
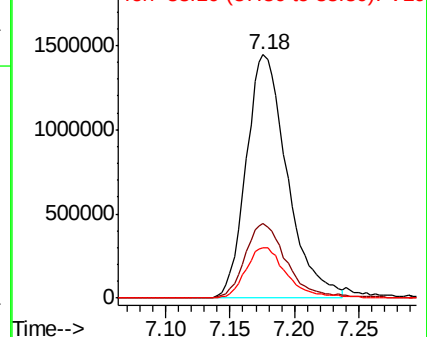


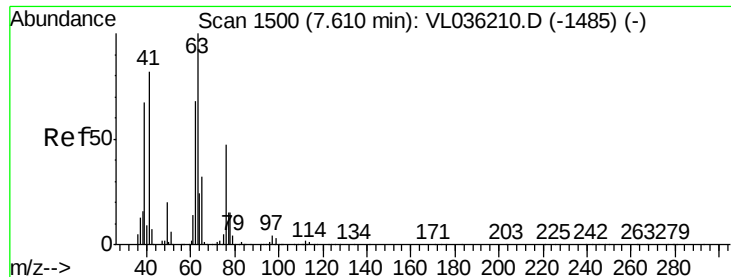
Abundance

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

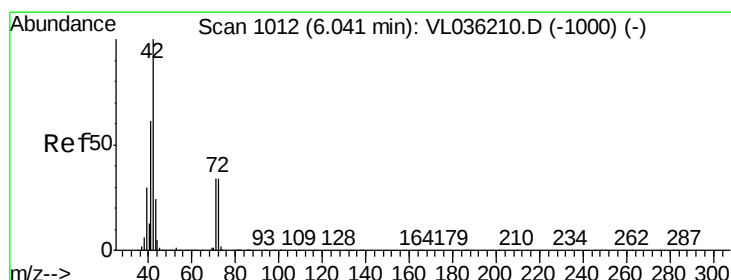
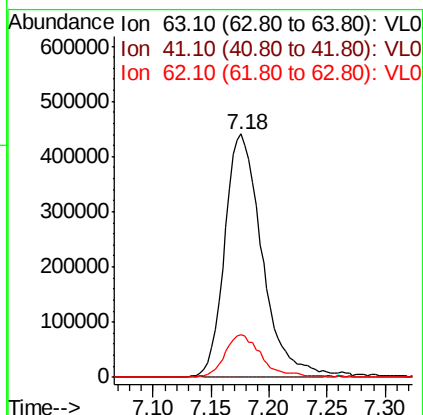
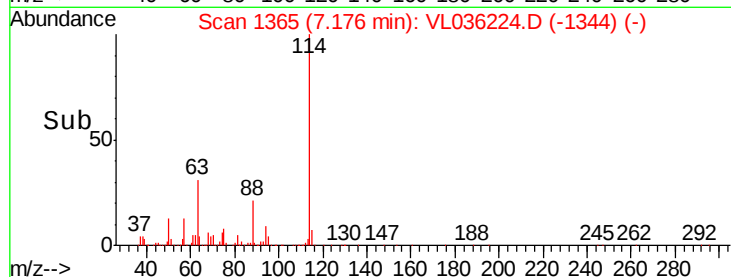
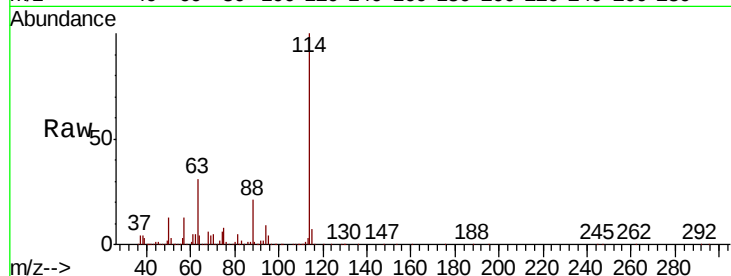




#39
 1,2-Dichloropropane
 Concen: 8.301 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.43 min
 Lab File: VL036224.D
 Acq: 13 Jan 2021 13:52

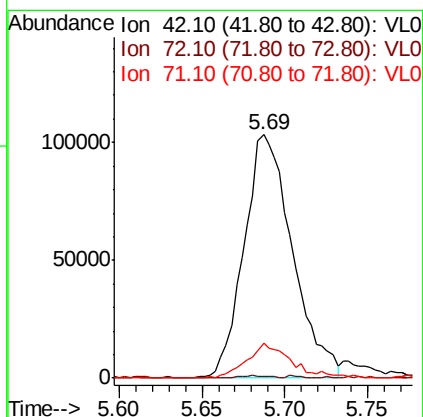
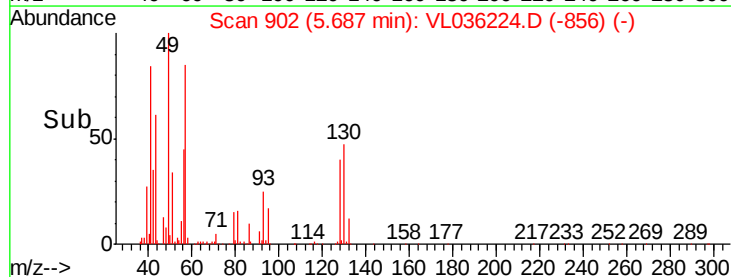
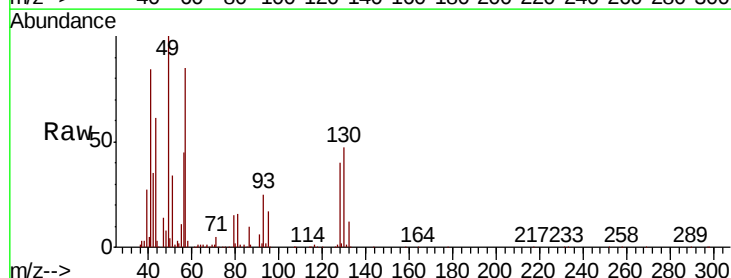
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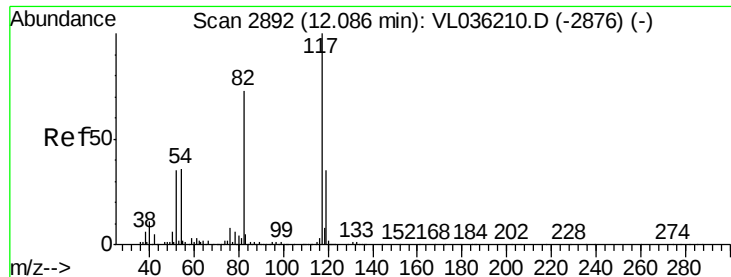
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	66.1	99.1#
62	17.4	54.8	82.2#



#41
 Tetrahydrofuran
 Concen: 1.750 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. -0.35 min
 Lab File: VL036224.D
 Acq: 13 Jan 2021 13:52

Tgt Ion	Ratio	Lower	Upper
42	100		
72	1.0	29.5	44.3#
71	13.5	29.1	43.7#

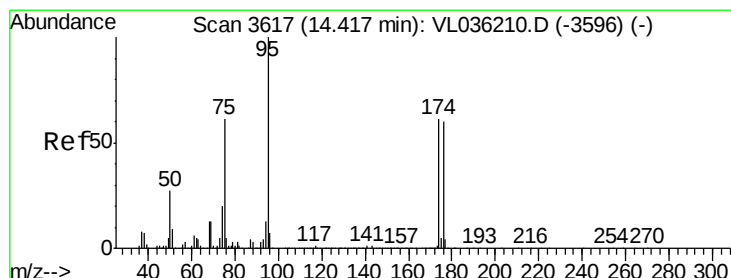
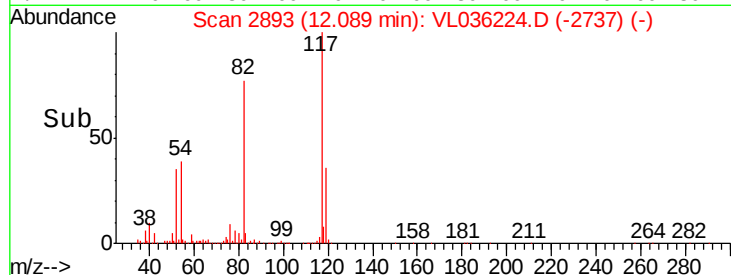
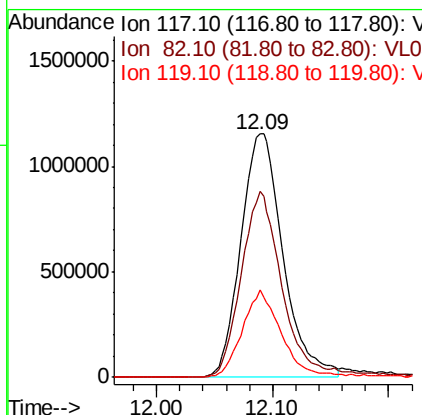
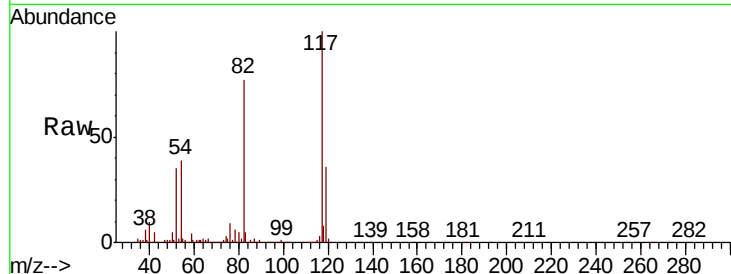




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL036224.D
Acq: 13 Jan 2021 13:52

Instrument :
MSVOA_L
ClientSampleId :
0121-SS1DL

Tot Ion:117 Resp: 2916823
Ion Ratio Lower Upper
117 100
82 76.4 59.7 89.5
119 33.8 28.6 43.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.270 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL036224.D
Acq: 13 Jan 2021 13:52

Tgt Ion: 95 Resp: 2479503
Ion Ratio Lower Upper
95 100
174 61.0 49.4 74.0
175 4.5 3.8 5.8

