

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036338.D
 Acq On : 11 Feb 2021 4:33
 Operator : SY/AP
 Sample : OC020421 CAN 10597
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 11 06:14:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1632513	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3602844	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3221416	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2633556	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

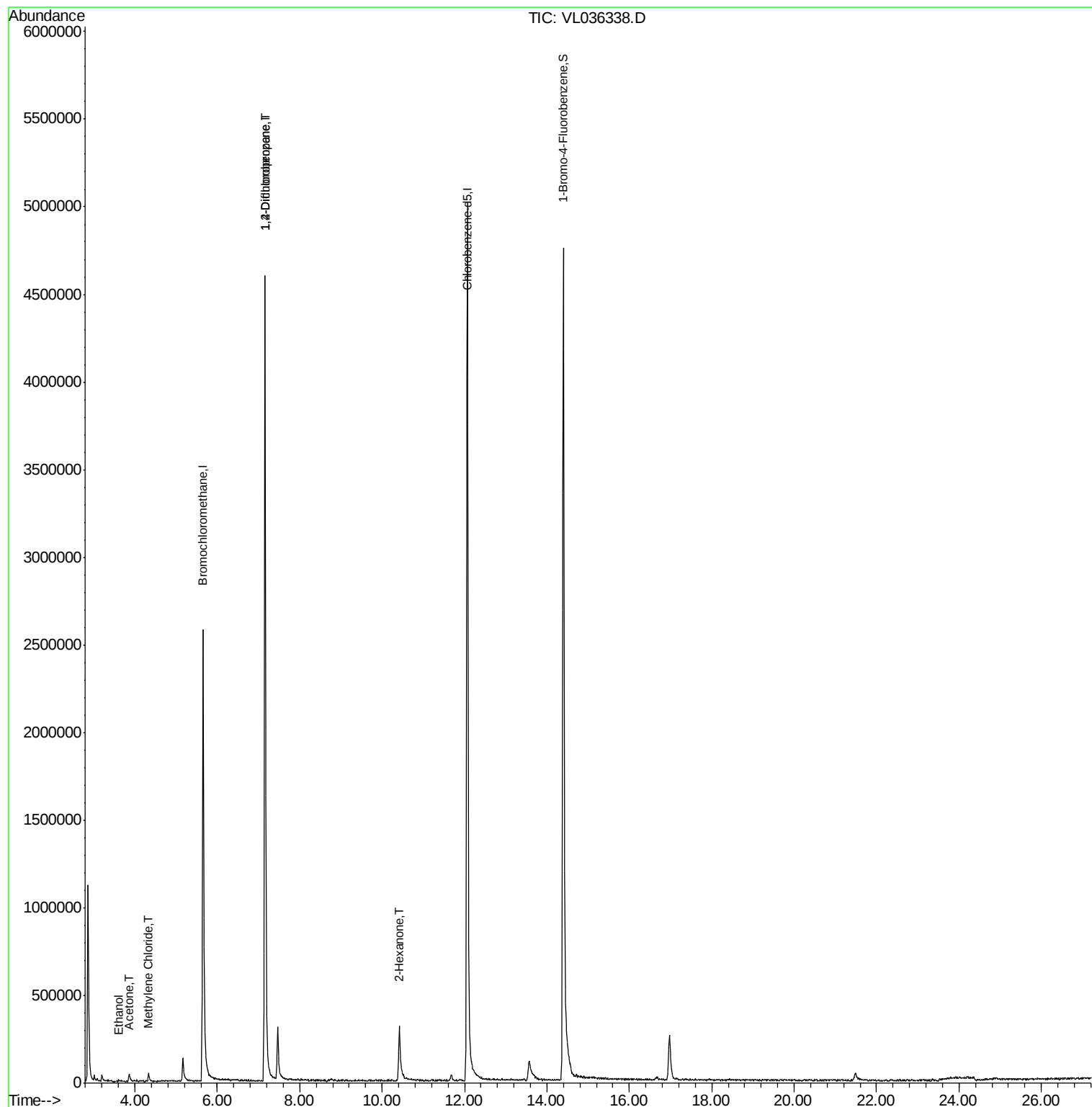
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	766	0.054	ppbv #	32
15) Acetone	3.85	43	12686	0.064	ppbv #	50
20) Methylene Chloride	4.33	84	7190	0.112	ppbv #	28
39) 1,2-Dichloropropane	7.15	63	1044178	8.399	ppbv #	23
51) 2-Hexanone	10.42	43	75615	0.280	ppbv #	54

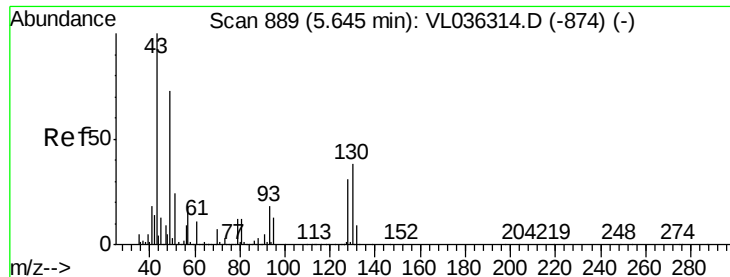
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.01 min

Lab File: VL036338.D

Acq: 11 Feb 2021 4:33

Instrument :

MSVOA_L

ClientSampled :

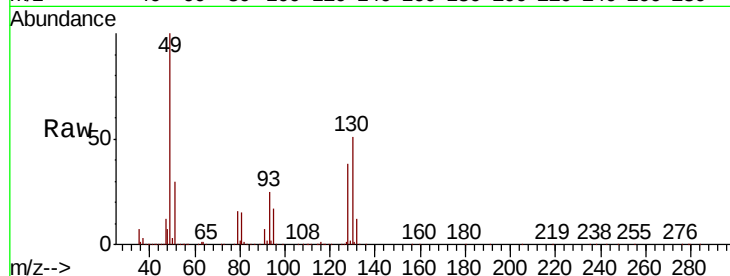
Tot Ion: 49 Resp: 1632513

Ion Ratio Lower Upper

49 100

128 41.8 20.8 62.5

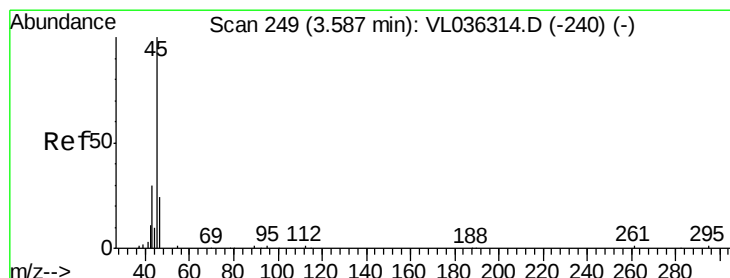
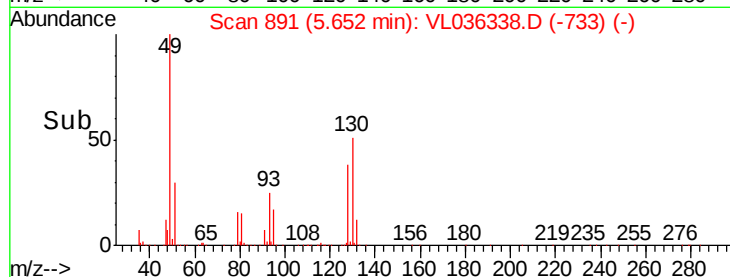
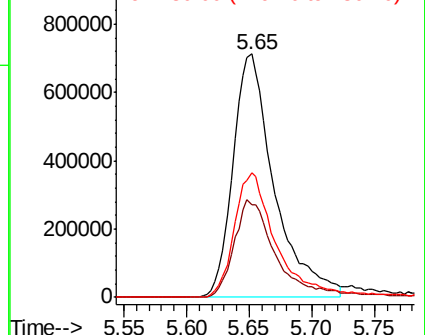
130 53.4 26.7 80.1



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: 0.054 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.01 min

Lab File: VL036338.D

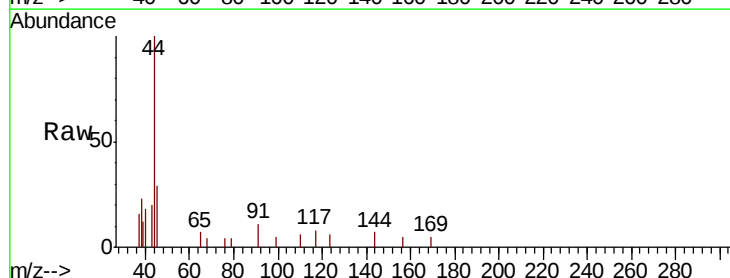
Acq: 11 Feb 2021 4:33

Tgt Ion: 45 Resp: 766

Ion Ratio Lower Upper

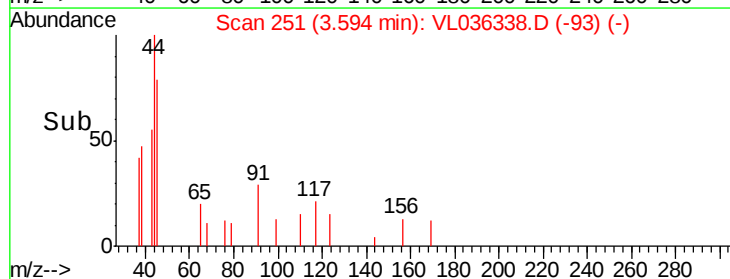
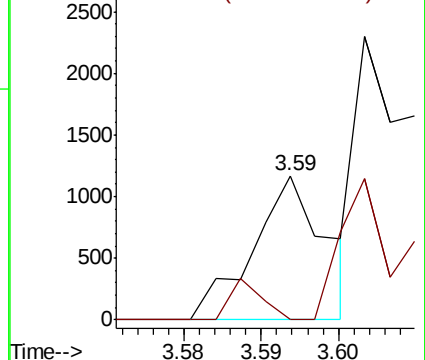
45 100

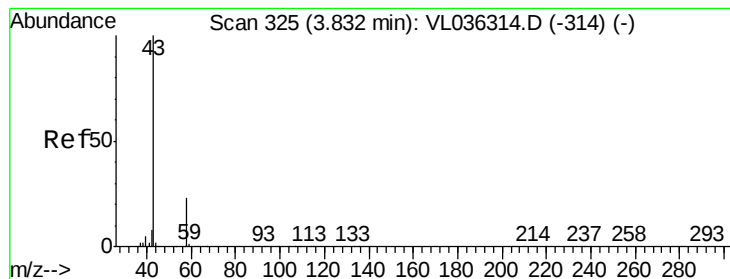
46 0.0 17.7 70.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.064 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.02 min

Lab File: VL036338.D

Acq: 11 Feb 2021 4:33

Instrument :

MSVOA_L

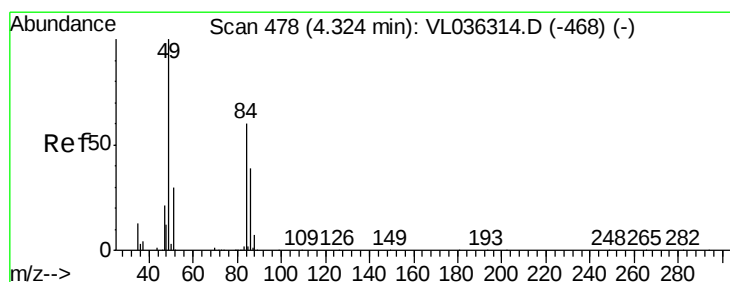
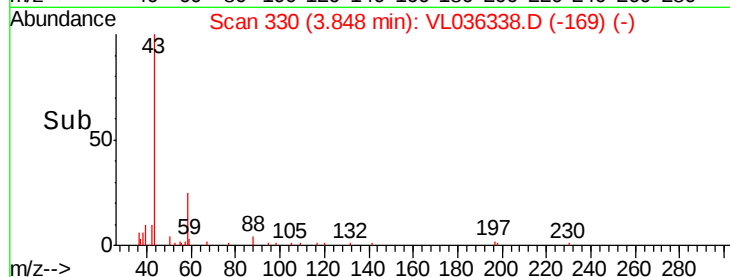
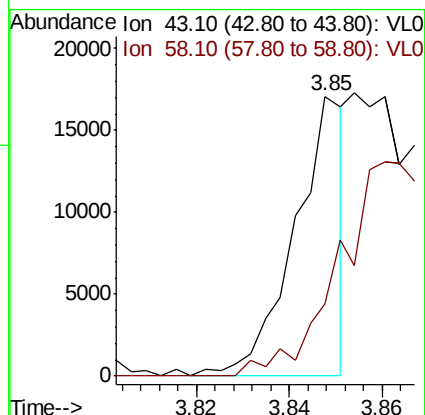
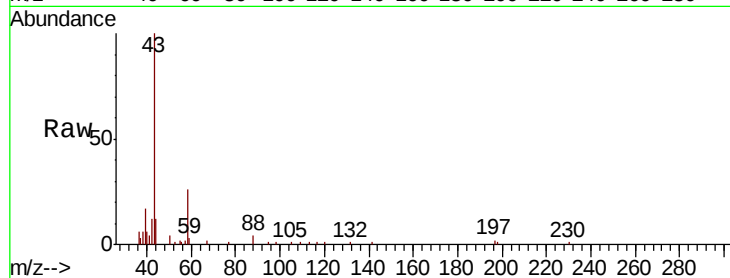
ClientSampleId :

Tot Ion: 43 Resp: 12686

Ion Ratio Lower Upper

43 100

58 0.0 20.3 30.5#



#20

Methylene Chloride

Concen: 0.112 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL036338.D

Acq: 11 Feb 2021 4:33

Tgt Ion: 84 Resp: 7190

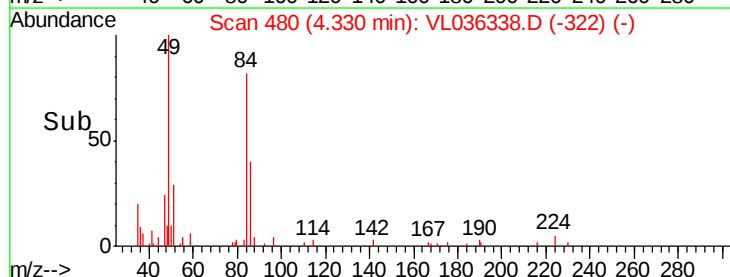
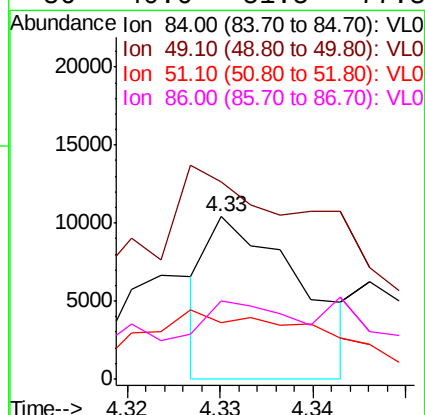
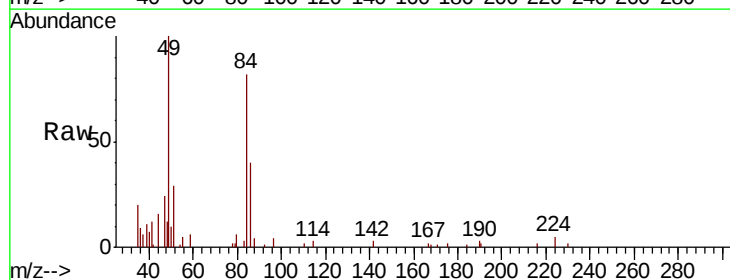
Ion Ratio Lower Upper

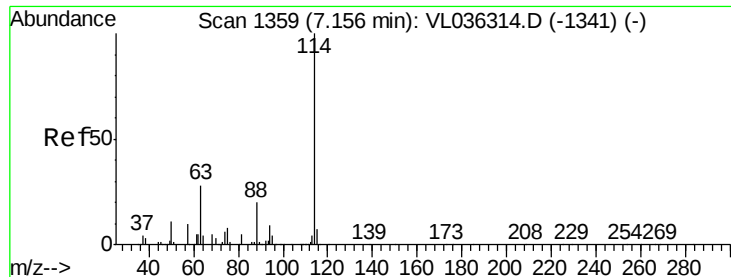
84 100

49 36.4 133.8 200.8#

51 19.7 41.4 62.0#

86 40.6 51.5 77.3#

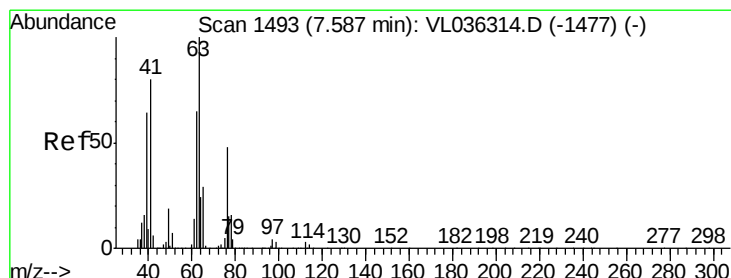
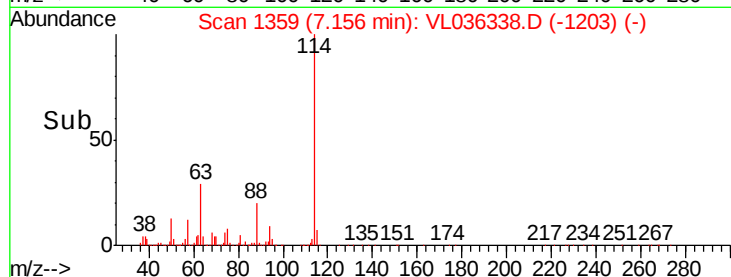
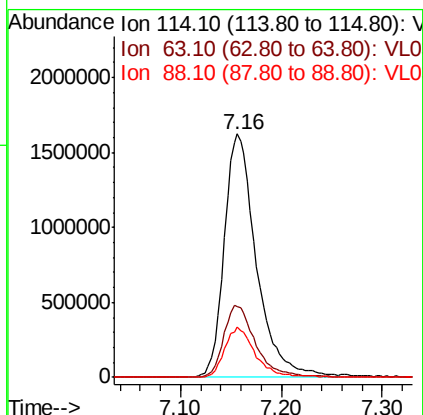
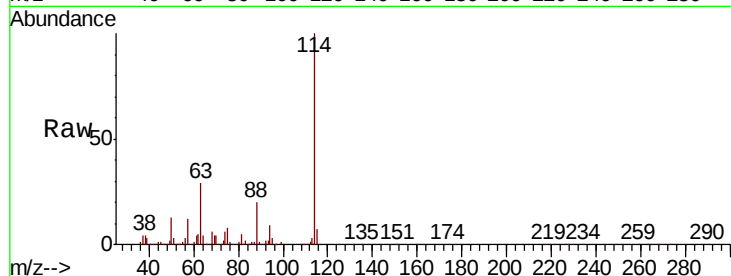




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL036338.D
 Acq: 11 Feb 2021 4:33

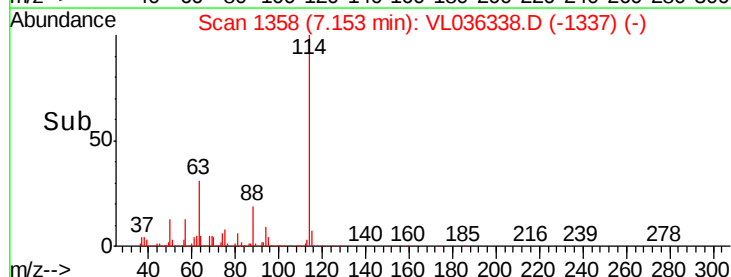
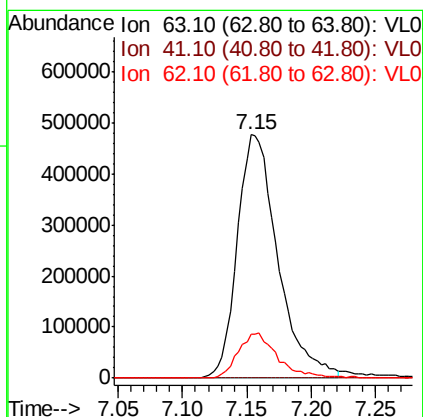
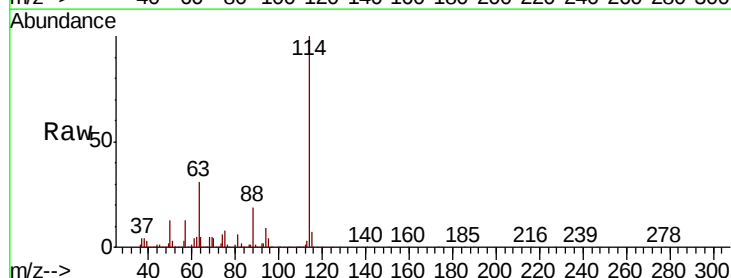
Instrument :
 MSVOA_L
 ClientSampleId :

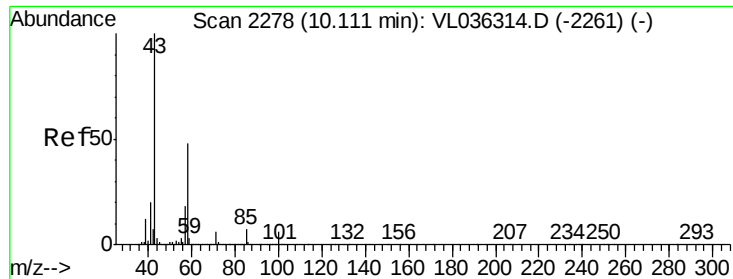
Tot Ion:114 Resp: 3602844
 Ion Ratio Lower Upper
 114 100
 63 29.9 24.1 36.1
 88 20.0 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 8.399 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.43 min
 Lab File: VL036338.D
 Acq: 11 Feb 2021 4:33

Tgt Ion: 63 Resp: 1044178
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.8 95.6#
 62 17.9 52.3 78.5#

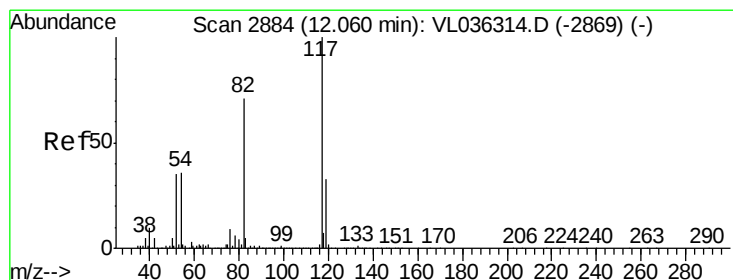
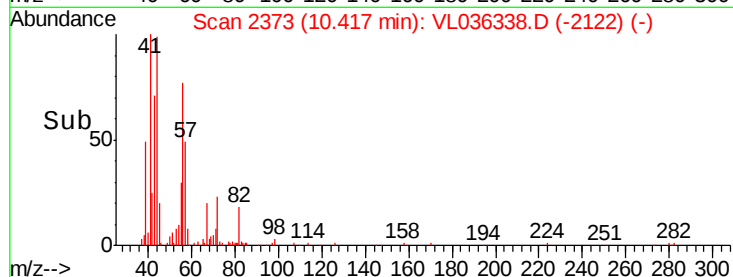
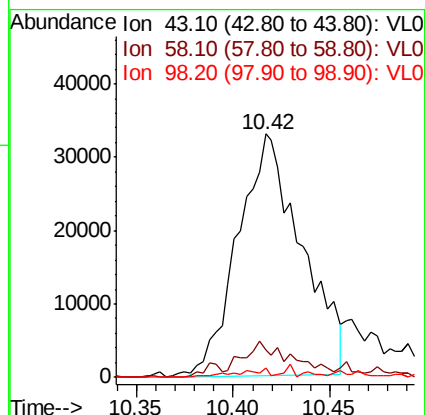
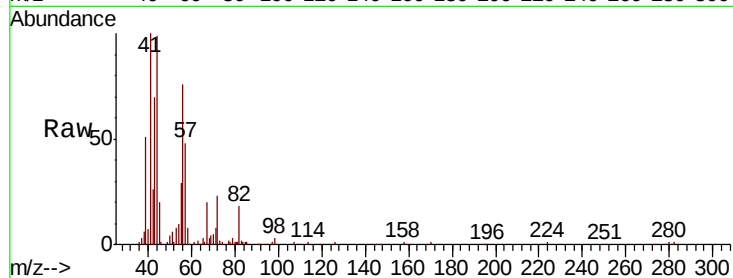




#51
2-Hexanone
Concen: 0.280 ppbv
RT: 10.42 min Scan# 2373
Delta R.T. 0.31 min
Lab File: VL036338.D
Acq: 11 Feb 2021 4:33

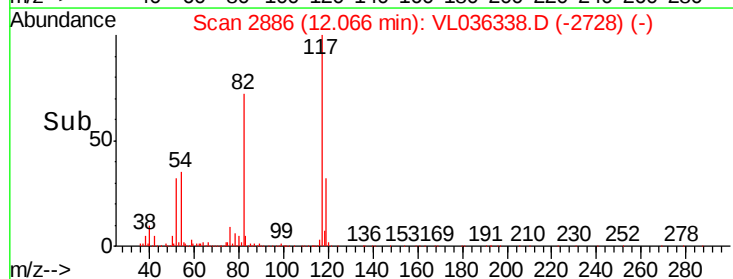
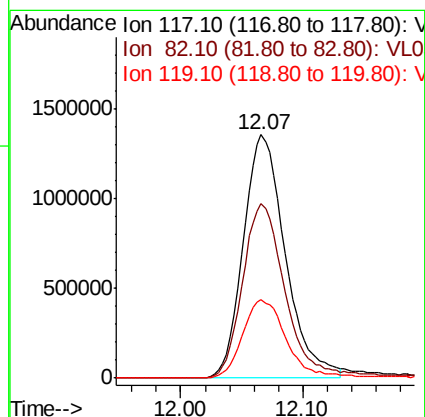
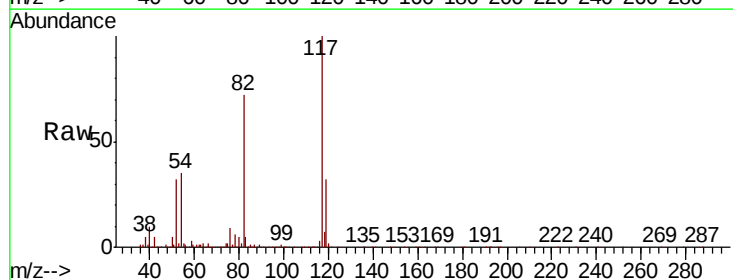
Instrument :
MSVOA_L
ClientSampleId :

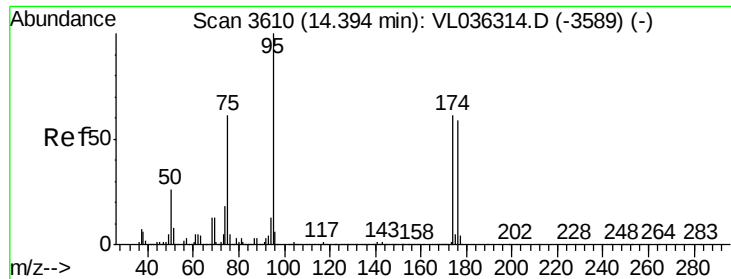
Tot Ion: 43 Resp: 75615
Ion Ratio Lower Upper
43 100
58 17.2 38.7 58.1#
98 2.5 0.4 0.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036338.D
Acq: 11 Feb 2021 4:33

Tgt Ion: 117 Resp: 3221416
Ion Ratio Lower Upper
117 100
82 75.9 59.1 88.7
119 34.4 46.3 69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.936 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL036338.D

Acq: 11 Feb 2021 4:33

Instrument :

MSVOA_L

ClientSampleId :

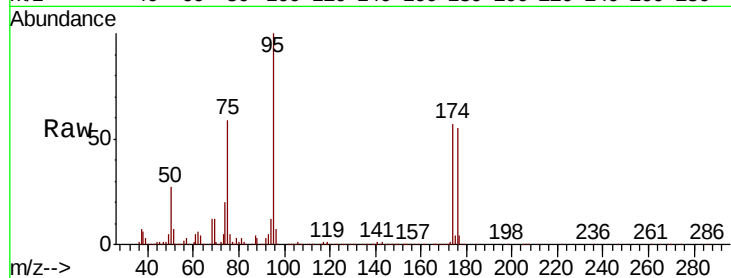
Tot Ion: 95 Resp: 2633556

Ion Ratio Lower Upper

95 100

174 64.8 49.8 74.6

175 4.7 3.7 5.5



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

